





# The Professional Audio

SourceBook

# Section 1c

## Computer Software

Ableton.....	1036-1038
Arturia .....	1039
Antares .....	1040-1044
Arkaos.....	1045
Bias .....	1046-1051
Bitheadz.....	1052-1059
Bomb Factory .....	1060-1063
Celemony .....	1064
Chicken Systems.....	1065
Eastwest/Quantum Leap .....	1066-1069
IK Multimedia .....	1070-1078
Mackie/UA.....	1079-1081
McDSP .....	1082-1085
Metric Halo.....	1086-1088
Native Instruments.....	1089-1103
Propellerhead .....	1104-1108
Prosoniq.....	1109-1111
Serato.....	1112-1113
Sonic Foundry .....	1114-1127
Spectrasonics .....	1128-1130
Syntrillium .....	1131
Tascam.....	1132-1147
TC Works .....	1148-1157
Ultimate Soundbank .....	1158-1159
Universal Audio .....	1160-1161
Wave Mechanics.....	1162-1165
Waves .....	1166-1185
Yellow Tools.....	1186-1187

# ABLETON

## LIVE 2

### *Audio Sequencer and Multi-Track Recorder*

*Live 2 is an audio sequencer that you can play like an instrument. Whether on its own or with other musicians or DJs, live on stage or when remixing in the studio, all you need is Live 2 and a Mac (OS 9.1 or OS X.1.5 or higher) or Windows PC (98/2000/XP). Live 2 allows you to bring together audio material from various sources. All the samples used are adjusted to the tempo of the song in real time and without changing the pitch. Even long pieces with tempo variations play in perfect sync. Samples can be played back and new ones can be recorded using the mouse, computer keyboard or MIDI notes. Drag-and-drop can be used to put together any sequences of effects for sound editing - all this while the music continues to play. Everything you do during the session is recorded and can be post-edited in detail, including all the automation of the mixer and effects.*



### FEATURES

#### *Truly Elastic Tempo and Pitch Manipulation*

- ◆ Record, import and arrange multiple audio loops into complete songs—all in real time—regardless of pitch or tempo.
- ◆ Synchronize loops and recordings of any length at any time.
- ◆ Time stretching can be applied to loops or to any audio material using time stretching algorithms optimized for rhythmic and melodic material.
- ◆ Live also allows key (pitch) changes independent of tempo throughout the production process — match the key of a bassline to a vocal without losing sync.
- ◆ Audio phrases, loops and performances can be quantized in real-time

#### *Linear Tape-style Recording*

- ◆ Live 2 offers a full blown multi-track recording and editing suite offering extensive real-time effects, dynamic parameter automation and unlimited undo.
- ◆ Unlooped, unstretched audio can be captured using linear tape-style recording in conjunction with loop-based manipulation and playback.
- ◆ Record unlimited takes of audio on an unlimited number of tracks directly into the Arranger or Session view.

#### *MIDI Control*

- ◆ Sample clips can be assigned to MIDI notes and controller messages using any of the four selectable clip launch modes: Trigger, Gate, Toggler or Repeat.
- ◆ The mixer and effect controls can be assigned arbitrary MIDI notes. Support is provided for the common standards for incremental controllers and MIDI devices with motorized faders.

#### *Audio Interfaces*

- ◆ Tracks can be individually routed to the outputs of any ASIO or CoreAudio compliant device and inputs can be routed to any Live track. DirectX for PCs and Sound Manager for Macs are also supported.

#### *Seamless ReWire Integration*

- ◆ As a ReWire client, you can route the outputs of Live into your DAW software (Logic, Cubase, Sonar, Digital Performer and Pro Tools).
- ◆ As a host, the outputs of programs such as Reason can be routed into Live's mixer.

#### *Tempo Control*

- ◆ You can set or tap the tempo of audio recordings completely independent of pitch at any time during recording, performance or playback.
- ◆ You can also record and edit tempo as a continuous curve.

#### *Must Have*

##### *Live Performance Features*

- ◆ Privately audition audio from disk while the main mix continues have already made Live as adept at live performance as it is in the studio.
- ◆ The ability to treat long audio files as elastic, combined with the DJ-style crossfader, make Live 2 an ideal tool for cutting-edge DJs as well as other performance artists.
- ◆ Refined MIDI and computer key mapping of loops and phrases for playing sessions.
- ◆ Assignable scene advance and track launch buttons help navigate large sets via a MIDI controller box. Transport and tempo controls can all be freely assigned to MIDI controllers.

##### *Elegant, Powerful and Simple*

- ◆ Combining audio from diverse sources is a simple matter of drag-and-drop and/or real-time recording.
- ◆ Full-screen mode allows you to take advantage of all available screen real estate.

##### *Synchronization*

- ◆ Slaves to MIDI clock or MIDI time-code. This means, when the drum machine slows down, Live also plays audio files slower. It does this without altering the pitch or the groove. Live can also be a MIDI clock source.

# ABLETON

## LIVE 2

COMPUTER SOFTWARE

1037

### SESSION VIEW

Start your loops and sessions at any tempo, then change tempo later – even as playback continues. The music never stops as you play, record, resample and process your music.

Tap Tempo to sync Live to musicians or the DJ.

Browse your hard drive for samples, Live's built-in effects and VST plug-ins.

Drag & Drop audio clips into your session while the music keeps playing – from short loops to complete songs. All audio automatically stretches to play in sync with the current song tempo. Audition clips from your hard disk via the private headphone send.

Real-time quantization insures that loops are always triggered in sync. Transpose and detune clips without affecting their tempo.

Choose among Live's real-time stretching modes for "clean" stretching of all types of audio.



Live captures your jam. Improvise with total freedom, then edit to perfection later.

Launch clips using the mouse, the keyboard or MIDI notes. Operate all effect and mixer parameters via any MIDI controller.

Each row of clips is a scene. Launch all clips in a scene at once or start them independently.

Control up to 4 effect send channels for each track.

Change the playback region of oneshots, loop position, length and downbeat of looping clips – all while the music keeps playing.

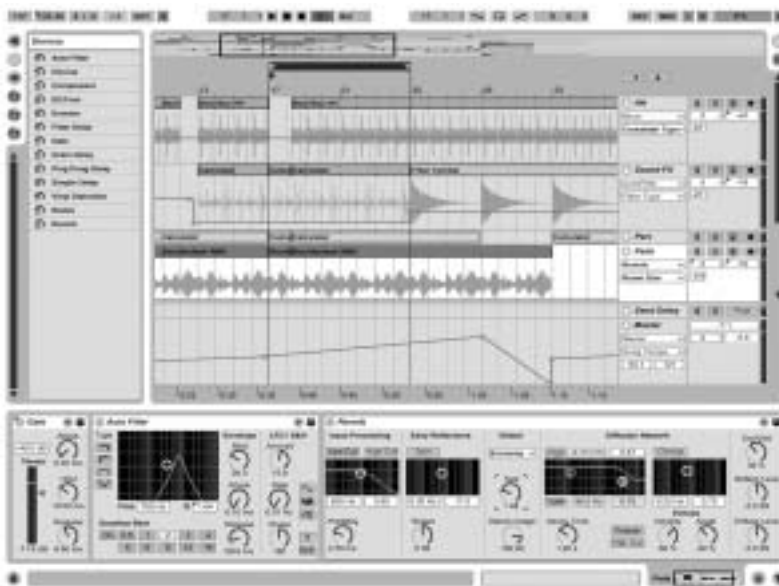
Use multiple inputs and outputs from your ASIO or CoreAudio interface to route audio to and from Live. Connect Live to ReWire master or slave programs to exchange audio and sync.

### ARRANGE VIEW

Set, tap or change tempo before, during or after recording. All clips automatically play in sync with the current project tempo.

Live comes with a range of high-impact effects such as: reverb, filter delay, ping pong delay, erosion, gate, grain delay, EQ and many more.

Drag & Drop internal and VST effects into chains for tracks, sends and master in real-time. All effect and mixer parameters are fully automated.



Your entire arrangement is displayed in an overview for quick navigation.

Live can capture every one of your actions in a timeline arranger. Record unlimited takes on unlimited tracks. Edit clips and breakpoint-envelopes, add and remove materials. Render your work after it's finished.

Scale tempo over time to conform scores to film and TV.

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com

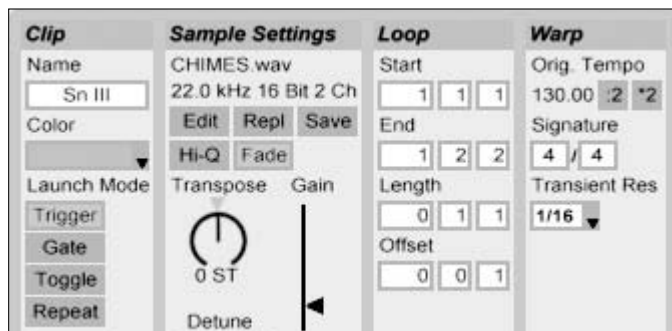


# ABLETON

## LIVE 2 *continued*

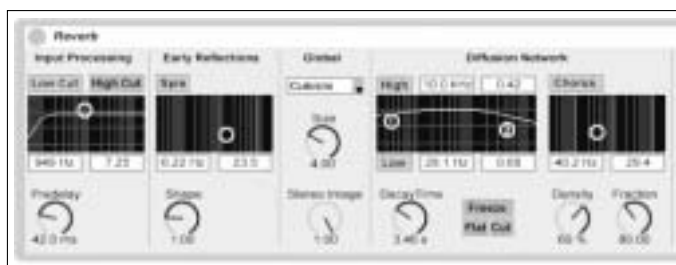
### *Playing and Recording Samples*

- ◆ Live 2 lets you compile live sets from any audio clips, ie: loops, phrases, entire tracks. All the clips play in-sync with each other, irrespective of the original tempo. You can “fire off” clips live, using the mouse, assignable computer keys, or MIDI Notes. Real-time quantization can be used to prevent rhythmical error. Any clip can play at any time - you are not constrained to a fixed arrangement.
- ◆ Since audio is played directly from disk, there is space enough even for large live sets.
- ◆ Recording new clips is as easy as playing existing ones: Play a MIDI note to start the recording; play the note again to jump to playback mode - without any interruption. This way, you can capture loops or phrases from external sources and directly work them into your performance, without stopping the music. Thanks to the real-time quantization, you will always get perfectly cut loops.
- ◆ Live can also use its own Master output as a signal source for recording, allowing you to resample your session while it's going on.



### *Effects*

- ◆ Every track, each of four send-channels and the master, can have a chain of effects. Any number of effects can be pasted in and moved around using drag-and-drop, while the music is playing.
- ◆ Live comes with a special range of high-impact effects, suitable for subtle and drastic manipulations. Live's effects are controlled by intuitive 2-D displays, which are ideal for live articulation.
- ◆ VST plug-ins are also supported. A VST plug-in can have its own editor window, but you can also use an integrated panel with a 2-D display to control the plug-in.
- ◆ Live's mixer and all of its effect parameters can be mapped to arbitrary MIDI controllers, and are fully automated - including every VST plug-in parameter.



### *Browsing Samples and Effects*

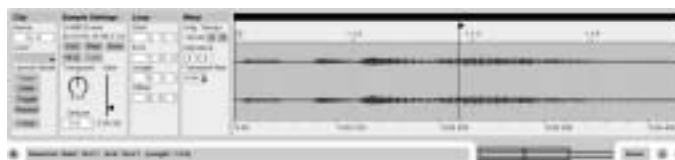
- ◆ Samples can be sought in Live's built-in browser, and privately auditioned by headphone, without the public or other musicians hearing them. There are three browsers for samples and Live Sets, one for the Live effects, and one for VST plug-ins.



### *Arranging Pieces*

- ◆ Every action carried out in a session can be recorded. The session's protocol is graphically displayed in Live's Arranger view and can be edited, down to the smallest detail. Every movement of the controls is displayed and edited as an envelope curve. Just click on a control to view and edit its automation.
- ◆ Editing audio is extremely fast. Snap to Grid does away with having to zoom in on wave patterns to find musical counting intervals.
- ◆ Live offers you the ability to improvise arrangements, and to develop improvisations into pieces later on. And should you decide the previous version was better after all, you can undo as many edit steps as you like.

### *Warping Time*



- ◆ Live's Time-Warping-Engine stretches and shrinks audio clips as they're being read from the hard disk. The pitch remains unaltered and can be adjusted independently. All clips are automatically synchronized to your session-tempo or to an external sync-source.
- ◆ The Time-Warping-Engine is controlled by “warp markers”, which can be positioned freely. A “warp-marker” attaches a position in a sample to a particular time in the song. During play-back, the Warping-Engine stretches and shrinks audio clips so that each marker is reached at a precise moment, irrespective of the song-tempo or whether Live is being driven by external synchronization.
- ◆ If you only use short loops you won't need warp markers. If, however, you want to work a ten-minute piece into a set, then just position a few markers to line-up the rhythms. The more tempo irregularities there are in the take, the more markers you'll need. With warp markers, you can get even the sloppiest recordings to jive perfectly.

## MOOG MODULAR V

### Emulation of the Moog Modular System 3C

Arturia's Modular system is based on a set of algorithms created by Arturia's sound engineers and gathered under the name TAE - True Analog Emulation. TAE avoids aliasing; it also emulates the typical instability of hardware oscillators and brings the warm sound of the vintage synths. In addition to the replication of all the functions of the original, the Arturia's Modular system comes loaded with more than 400 presets made by a selection of sound designers.

- ◆ Stereo synthesizer
- ◆ 9 oscillators (921 Mg series)
- ◆ 2 dedicated LFOs
- ◆ 3 filter slots can be chosen among classic Moog 904 series (low-pass 24 dB, high-pass 24 dB, filter coupler), and an additional 20 dB multimode filter (7 modes)
- ◆ 1 noise generator (white and pink — 923 Moog module)
- ◆ 6 ADSR auxiliary envelopes based on the 911 Moog module
- ◆ 2 VCAs each with their own envelopes, and a panorama knob for natural stereo effects
- ◆ 16 auxiliary VCAs with modulation inputs
- ◆ Sequencer based on the 960 Moog module with 3x8 steps
- ◆ One filter bank (14 bands with their own bandwidth)
- ◆ One stereo delay and one chorus
- ◆ Mono/polyphonic (up to 64 voices)
- ◆ 96 kHz sampling rate support



- ◆ Can be used stand-alone or as a virtual instrument in VST, DXi, MAS, RTAS (Windows, Mac OS 9/X), and HTDM (Mac OS 9/X) formats.

## STORM 2 Music Creation Software for Mac and Windows



Shadow: "analog"-sounding polyphonic synthesizer based on subtractive synthesis

Storm 2 is an all-in-on software package for music composition that accurately emulates the components of an entire recording studio. Storm 2 is comprised of a plethora of modular and realtime sequencers, synthesizers, sample players, drum machines, mixers and effects processors that can be selected and then incorporated into a studio right before your eyes. Once the studio has been

created, you can create musical pieces in a fast, easy and extremely efficient manner.

Storm permits the import and export of all popular music file formats including MP3, AIFF and WAV, and it supports MIDI.

### Composition

- ◆ Program up to 64 patterns for each module
- ◆ Songs can be up to 400 bars long
- ◆ Record automation moves using the onscreen knobs. Effects sends and returns can be automated.
- ◆ Real time synthesis and EFFECTS, a user-friendly interface and a fully automated studio provide you with an unprecedented comfort and facility of composition.
- ◆ Record output as a stereo .Wav, .Aif or MP3 files
- ◆ Import ACIDized WAV files
- ◆ Unlimited undo for all functions
- ◆ The COMPOSITION WIZARD helps you quickly understand the general use of the program and the different sides of creating a song. Storm can even help you learn how to compose in different music styles.

### Customize Your Studio

- ◆ Choose from 13 virtual instruments: Arsenic, Bass52, Equinoxe, EZTrack, H3O+, Hork, Meteor, Orpheus, Psion, Puma, Scratch, Shadow and Tsunami
- ◆ 10 different effects modules including: Chorus, Compressor, Distortion, Dual Delays, Flanger, LPFilter, Reverb, Ring Mod, Seq Filter and Vocoder
- ◆ Storm 2 allows you to select the specific virtual instruments and effects you wish to use
- ◆ Simply drag and drop modules and in a few seconds your studio is ready

### The Hall: Share The Experience

The HALL is a set of interactive tools that allows on-line collaboration with others. The Hall offers file sharing and downloading, chat rooms, newswires, tips and tutorials.

# ANTARES

## MICROPHONE MODELER

Using Antares' patented Spectral Shaping Tool technology, the Microphone Modeler can create precise digital models of a wide variety of classic and modern microphones. Simply tell it what microphone you are actually using and what microphone you'd like it to sound like. The models not only reproduce the sonic characteristics of each microphone but also gives you control of each mic's specific options including Low Cut Filter settings, windscreen on or off and proximity effect. Available as a plug-in for VST, MAS and RTAS on the Mac, DirectX for PC and TDM.

- ◆ Proprietary DSP-based acoustic modeling transforms any reasonable quality mic to sound like any of a ever-growing list of desirable mics
- ◆ Mic Models even reproduce the effect of each mic's specific options - windscreen (on/off), Low-Cut Filters, polar pattern and proximity effects
- ◆ Create hybrid mics that combine the bass response of one mic with the treble response of another
- ◆ Variable classic tube saturation distortion control
- ◆ Completely automatable when used with compatible host applications
- ◆ Use during mixdown to change the mic on an already recorded track
- ◆ Not to be underestimated are the limitless creative possibilities made available - select a Source Mic that doesn't match your physical mic, overdrive the Tube Saturation, over-emphasize proximity effect, etc...
- ◆ Incredibly simple to use - simply select the mic you're using and the mic you want it to sound like
- ◆ An extensive collection of digital models of are included and additional models can be downloaded from Antares' web site



### Signal Flow Of Mic Modeler

- ◆ The Input Gain fader and Level Meter are used for setting the input level of the audio to be processed
- ◆ The Source Mic section lets you select the mic that was actually used to record the audio (with or without windscreen) as well as the state of its various parameters — Low Cut Filter, Polar Pattern and Proximity
- ◆ The Modeled Mic section allows you to select the mic whose sound you would like to model (with or without windscreen) as well as the state of its various parameters — Low Cut Filter, Polar Pattern and Proximity
- ◆ The Preserve Source controls let you create hybrid mics that combine the bass characteristics of one mic and the treble characteristics of another. Incoming audio is split into its bass and treble ranges, one of the two frequency ranges can then be assigned to the Source Mic while the other can be assigned to any of the available mic models
- ◆ Tube Saturation adds a model of analog tube saturation (distortion) often found in high-quality tube mic preamps
- ◆ The Output Gain fader allows you to attenuate the output signal if necessary

### ANTARES MICROPHONE MODELER

<b>VST/MAS</b> (for MAC).....	<b>RTAS</b> (for PC/MAC) ..	<b>TDM</b> (for MAC).....
<b>259.95</b>	<b>274.95</b>	<b>399.95</b>



### Tube Classic Analog Tube Modeling Plug-in

Antares Tube is an affordable multi-format plug-in designed to model a wide range of analog tube effects, based on technology from Antares' multi-award-winning Microphone Modeler plug-in. Tube is designed to be extremely easy to use and is so DSP efficient that even a modest native system will support dozens of instances. Tube provides two basic tube models. The **blue tube** adds the warmth of a classic tube preamp to vocals, acoustic guitar, horns, strings, synth pads, in fact pretty much anything. The **orange tube** provides the deep, warm distortion of an overdriven tube amplifier. It can be used in moderation to impart a subtle effect to almost any track, or cranked up on electric guitar, bass, synths, even voice for more dramatic distortion effects. Tube also includes a

unique **OmniTube** function that inserts a compressor into the signal path before the tube model. This compressor is set to compress the signal and then apply sufficient makeup gain to ensure that Tube's Drive control can drive the entire signal above the clipping level. After the tube effect is applied to the entire signal, an inverse gain function restores the signal's original dynamics.

Available for RTAS (Mac OS 9 and OS X and PC), VST (Mac OS 9 and OS X and PC), DirectX and MAS (Mac OS 9 and OS X).



# ANTARES

## AUTO-TUNE

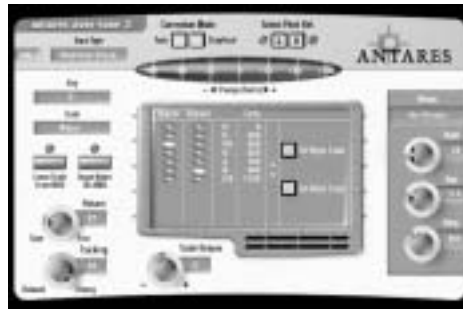
### Intonation Correcting Plug-In

*Auto-Tune is the multi-platform pitch detection and correction plug-in for Mac and PC considered to be the "Holy Grail of recording" by Recording magazine. Auto-Tune allows you to correct pitch and intonation problems on voice and solo instruments without distortion or artifacts. Auto-Tune is 88.2/96kHz compatible and works not only on mono sound files but also provides phase-coherent processing of stereo files. Two modes of operation include Automatic where pitch is continuously compared to a user selected scale and Graphical mode offering more precise control allows you to draw specific target pitches. Available for TDM/AudioSuite, VST, MAS, RTAS or as a stand alone application on the Mac and DirectX on the PC.*

- ✦ In Automatic Mode the input pitch is continuously compared to a user-selected Scale and then corrected to the Scale note closest to the detected input pitch
- ✦ Graphical Mode displays the pitch envelope of the audio to be corrected along with a selection of graphical tools that allow precise manipulation of the performance's pitch
- ✦ An Input Type control allows you to choose an appropriate input source algorithm: Soprano Voice, Alto/Tenor Voice, Baritone/Bass Voice, Instrument, and Bass Instrument, ensuring the fastest and most accurate pitch detection and correction
- ✦ Bass Mode allows pitch detection/correction down to 25Hz to accommodate low frequency instruments such as fretless bass

#### Automatic Mode

- ◆ Select any key and scale - minor, major or chromatic as well as 26 historical and microtonal scales
- ◆ The Retune knob controls how rapidly (in milliseconds) the pitch correction is applied to the incoming sound
- ◆ The Tracking knob controls how much variation in the incoming waveform is allowed — useful with difficult to track sounds, such as a breathy or growling voice
- ◆ Individual notes can be removed from a scale or bypassed. Bypassed notes passed along without correction. You can apply pitch correction to a single note in a scale by bypassing all of the notes in the scale except for the problem note



- ◆ Scales can be de-tuned to any desired pitch
- ◆ The Vibrato section allows you to control the depth, rate and onset delay of a performance
- ◆ The Change meter shows how much the pitch is being changed, measured in cents (100 cents = one semitone)
- ◆ The Target Noted Via MIDI button allows Auto-Tune to track pitch in real-time via a MIDI keyboard or sequencer track
- ◆ The Learn Scale From MIDI function allows you to play a line from a MIDI keyboard or sequencer and let Auto-Tune 3 construct a custom scale containing only those notes that appear in the line

#### Graphical Mode

- ◆ Graphic mode begins with Tracking mode where an amplitude waveform overview and a pitch graph referenced to the scale selected in Automatic Mode are created across a timeline delegated by the length of the sound file. Once tracking is completed and Tracking mode is disengaged, an amplitude waveform and a detected pitch are displayed
- ◆ The next step is Correct Pitch mode which provides a number of graphic tools that allow you to actually draw your target pitches across the zoomable timeline. After editing, play the sound file and Auto-Tune will recognize the changes



- ◆ Horizontal line and curve tools are provided as well as cut, copy, paste and undo functions
- ◆ Includes Retune and Tracking functions identical to that in Automatic mode
- ◆ A memory (RAM) buffer allows you to allocate the necessary amount of time to process the sound file in realtime
- ◆ Auto-Curve function creates an editable curve directly over the detected pitch curve. This allows very precise pitch correction without having to draw each line and curve freehand.

#### ANTARES AUTO TONE

<b>DIRECT X</b>	<b>RTAS</b>
for PC ..... <b>199.95</b>	for MAC ..... <b>274.95</b>
<b>VST/MAS</b>	<b>TDM/AudioSuite</b>
for MAC ..... <b>259.95</b>	for MAC ..... <b>399.95</b>

# ANTARES

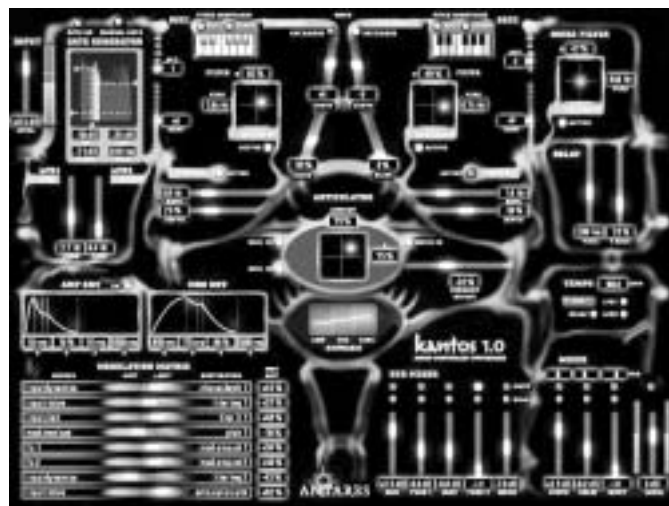
## KANTOS 1.0

COMPUTER SOFTWARE

1042

### Audio Controlled Synthesizer

From the company that revolutionized vocal intonation processing comes Kantos, a software-based synthesizer that liberates you from the tyranny of MIDI, keyboards, controllers, or anything that stands between you and the music you hear in your mind. Whether you are looking for an alternative to conventional controllers, or are looking to produce electronic music with a level of dynamic expression that wasn't possible till now, Kantos will literally change the way you make music. Designed to be patched as an insert plug-in within your digital audio software, Kantos uses the pitch, harmonic content and formant characteristics of an incoming audio signal—instead of using a MIDI keyboard to control synthesis.



### FEATURES

#### Audio Controlled Synthesis

- ◆ The pitch, dynamics, harmonic content and formant characteristics of the incoming audio is analyzed and then extracted – live and in real time
- ◆ This information is then used to control the sound engine in unique ways never before possible with a conventional MIDI synth
- ◆ For reliable pitch detection, a pitched monophonic audio source such as the human voice or a musical instrument should be used – unison sections can also be used
- ◆ A lot of interesting results can be had with polyphonic audio signals (particularly with rhythmic input) except that you won't get predictable pitches from unpitched input.
- ◆ You are able to generate harmonies with predictable pitch control by processing or instantiating the software for each individual note in the harmony

#### Sound Engine

- ◆ The sound engine includes a combination of traditional synthesizer functions as well as many unique functions to for controlling the audio including – Wavetable oscillators, Pitch constrain and quantization control, Noise source, Resonant multimode filter, Timbral articulator, Envelope generators, LFOs, Modulation matrix, Gate generator, Delay line and a Mixer.

#### Gate Generator

- ◆ The Gate Generator gives you control over the triggering and duration of the envelopes as well as (optionally) retriggering the oscillators' wavetables
- ◆ A real time display of the input signal's amplitude helps you set the independent Gate On and Gate Off levels as well the minimum Gate Hold time
- ◆ A variable-threshold noise gate is also provided to help clean up any unwanted noise in the control audio

#### Wavetables Oscillators

- ◆ 2 flexible wavetable oscillators are provided each with its own independent multimode resonant filter and chorus generator
- ◆ A pitch constrain keyboard, for each wavetable allows you to limit the notes that the oscillator can play
- ◆ Includes a variety of traditional - and not so traditional - wavetables (more can be downloaded). You can also create your own custom wavetables using an audio or sample editor

#### Delay and Tempo Control

- ◆ A delay line with variable feedback is included for generating rhythmic effects – delay time can be set in absolute time or, via the Tap Tempo function in BPM.

#### Articulator

- ◆ The heart of Kantos, the Articulator module, takes (with great precision) the harmonic content and formant information from the input signal, and dynamically applies it to the output of the oscillators and noise generator. In addition, you can warp and mutate the audio signal in a variety of ways:



- The X/Y-axis Amount and Q (resonance) controls defines the amount and character of the harmonic processing
- Formant Offset parameter shifts the inputs detected formants up or down in frequency
- The Emphasis section lets you tailor the sounds overall harmonic balance



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# ANTARES

## KANTOS 1.0

### Modulation Matrix

- ◆ A flexible modulation matrix provides an almost limitless variety of dynamic effects
- ◆ Any source can control multiple destinations and any destination can be controlled by multiple sources – Almost every variable parameter is available as a destination
- ◆ Two multi-waveform LFOs, with manual and Tap Tempo rate control, as well as two ADSR Envelope Generators are available as additional modulation sources.



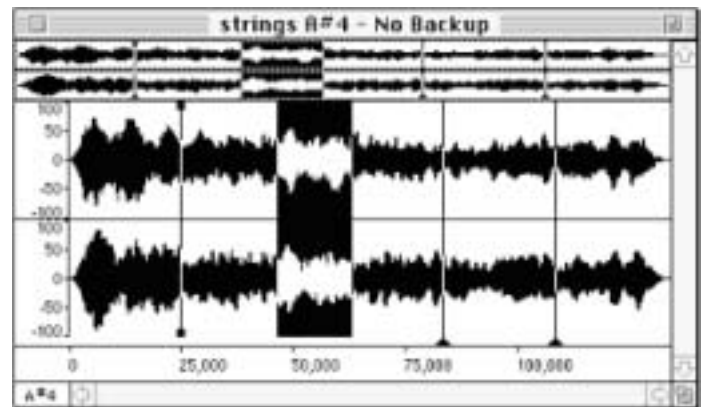
### Mixers

- ◆ A Submixer controls the internal sound sources. In addition to the wavetable oscillators and noise generator, two additional sine wave oscillators track the fundamental frequencies of their respective wavetable oscillators
- ◆ The Main Mixer offers control over the main synth output, the delay line return, as well as the original unprocessed input audio and if instantiated as a mono in/stereo out plug-in, each of the main mixer inputs also include a pan control

## INFINITY DSP Sample Looping Tools for Mac

Imagine taking a raw sample, and then, with just a few mouse clicks, creating a loop so perfect that you can't tell when it started or where it repeats. Imagine doing that with sounds that are impossible to loop smoothly using your current sample editor, like string orchestras, choirs, fat analog synths, chorused guitars, and so on. Infinity lets you do it, quickly and easily.

Infinity is a powerful Mac-based DSP tool kit designed to be used in conjunction with your current sample editor. It uses unique DSP technologies to automate and improve the looping process, taking sample editing to a new level of quality, speed, and simplicity. It allows you to loop everything from solo woodwinds to huge synth stacks with dramatic improvements in quality and speed. This means that you don't have to put up with rhythmic pulsing or life-



less sustains any longer. Infinity preserves the "liveness" of your samples because it has a looping tool appropriate for every type of sound. Using Infinity's unique DSP technologies, beginners can get results which are superior to professionals using normal sample editors. For professionals, Infinity provides a level of quality, speed, and simplicity far beyond what's possible with conventional sample editing tools.

- ◆ Full support for 24 bit files
- ◆ Support for 88.2 kHz and 96 kHz playback via the Sound Manager
- ◆ Full 32-bit floating point audio processing
- ◆ Edit functions: Cut, Copy, Paste, Clear Unselected, Clear, Mix, Invert, Reverse, Silence, Create/Delete Loop Points, Select Loop Points, Select All, Set MIDI Note, Auto Zero, Show Clipboard
- ◆ Unlimited Undo/Redo nesting
- ◆ Special Edit functions: Real Time Loop Adjust, Variable Edit Blend Time and Taper, Switchable Window Modes, Enable/Disable Clipboard, Enable/Disable Undo
- ◆ Real Time Loop Adjust lets you move the loop points during real-time playback, so you can locate the best loop points by ear.
- ◆ Support for the AIFC file format
- ◆ Rotated Sums Looper lets you randomly layer multiple copies of the loop data to "homogenize" the sound while preserving your original loop points. Perfect for improving those problem loops on CD-ROMs and for special effects.
- ◆ Crossfade Looper with Smart Auto-Scan is an enhanced crossfade tool with an intelligent loop point scanner that lets you find the best loop point automatically.
- ◆ SPR Looper automatically creates seamless loops in chorused and ensemble sounds while preserving the exact sound color and stereo image of your sample. The resulting loop data can be automatically merged with the attack portion of your sample.
- ◆ Synthesis Looper lets you control the frequency domain sidelobe energy of the loop, and selectively smooth out lumpy sounding frequencies in chorused and ensemble sounds. The new sound is more stable and loop repetitions are less noticeable.
- ◆ Freeze Looper creates perfect loops in sounds like winds, brass, and other solo sounds that have a clear harmonic series.

# ANTARES

## JVP • MDT

COMPUTER SOFTWARE

1044

### DSP Plug-In Processors For Pro Tools TDM

The JVP (Voice Processor) and MDT (Multiband Dynamics Tool) are high resolution DSP plug-in processors designed for music production, mastering, post production and broadcast applications within the Pro Tools TDM environment. JVP provides four essential processors for achieving the highest degree of sonic detail and richness from vocals and solo instruments, sound effects, stereo mixes — you name it. MDT can be used to emulate just about any existing dynamics processor and can also be customized to bring out unique sonic characteristics from your audio. The buttons, sliders and settings menus for both plug-ins are completely automatable under Pro Tools 4.0 or later and are compatible with all Pro Tools TDM hardware running on a Power PC computer.

### JVP

#### FOUR FUNCTION VOICE PROCESSOR

- ◆ 4 of the most useful signal processing functions in one easy to use plug-in running simultaneously on a single DSP chip — de-esser, compressor with a downward expanding gate, parametric EQ, and multi-tap delay
- ◆ Brings out detail and adds sparkle to vocals, instruments, sound effects, even entire mixes
- ◆ Processors can be used alone or together in any combination
- ◆ Simple to use single window interface with Bypass and Display toggle switches for each of the 4 processors
- ◆ High resolution In/Out level meters with 1 sample over clipping indicators
- ◆ 24-bit I/O and 56-bit internal accumulator processing resolution

#### De-Esser



- ◆ Gain reduction meter
- ◆ Threshold control with post-filter level meter
- ◆ Variable high pass filter
- ◆ Compressor with variable ratio, attack and release

#### Parametric EQ



- ◆ 3 fully parametric EQ points with selectable HP, BP, LP, shelving filters
- ◆ 10Hz to 20kHz frequency,  $\pm 24$  dB gain and .1 to 4.0 oct bandwidth controls
- ◆ 140 dB dynamic range

#### Compressor/Expander/Gate



- ◆ Gain Reduction meter
- ◆ Expander/Gate with variable threshold and ratio
- ◆ Compressor with variable threshold, ratio, attack release and hard to soft knee settings

#### Multi-Tap Delay

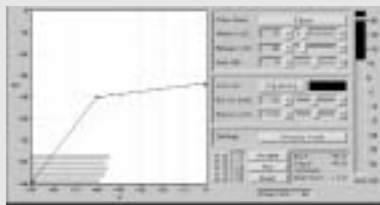


- ◆ Up to 6 delay taps with L-R pan control for each tap
- ◆ Dedicated delay and feedback gain control
- ◆ Variable low pass filter and FX/Dry mix
- ◆ DSP card dependent delay time and feedback

### MDT MULTIBAND DYNAMICS TOOLS

- Provides one, three or five individually adjustable spectral bands of dynamics
- Easy to use graphic interface
- Not only emulates a wide variety of existing compressors, limiters, expanders and gates including dynamic EQs, de-essers and spectral enhancers but also allows you to create your own unique single and multiband processors
- Clip Sentry is a high-speed digital limiter designed to reduce gain only when clipping is about to occur

- "Look ahead" peak averaging scans up to 1024 samples of audio data before it is processed, compares it to currently processed the data and then, uses both numbers to derive the final output



- In Multiband mode, Continuously Variable Offset updates the input levels for each spectral band continuously, ensuring that tonal balance will be achieved and that the same amount of gain reduction will be applied to each input
- 24-bit I/O and 56-bit internal processing resolution
- Greater than 144 dB dynamic range with imperceptible passband coloration



ONE HOUR FREE PARKING

AT 349 W. 34th STREET (with purchase of \$100 or more)

# ARKAOS

## VJ 2.2



### *The Visual Synthesizer for Musicians*

*If you're familiar with traditional multimedia think of ArKaos VJ as the first real-time multimedia program offering an innovative way to edit and manipulate a visual performance as it's running. If you're musically oriented think of ArKaos VJ as a 'synthesizer for pictures' – a program that brings to pictures and movies the same fresh attitude that samplers brought to audio.*

*Why just play music when you can immerse your audience in complete audio-visual experiences? ArKaos VJ does for images and video what samplers and synths do for music—and it does it in real time. That means that DJs, VJs, performing musicians and multimedia producers now have the ability to easily create and project dazzling interactive imagery to take live performances, dance events, videos and other media productions to new levels of creative expression.*

#### **Animate Your Presentations:**

Displaying, projecting and recording dazzling visuals to accompany your music is just the beginning. With ArKaos VJ you can play live video sessions, record your own visual performance files and synchronize digital imaging automatically. And VJ 2.2 takes the concept even farther enabling you to create multimedia presentations using slide-show images and QuickTime movies, triggered by notes that can play music or audio samples like voice-overs. Animation can be synced automatically to MIDI Time Clock or to audio via advanced beat-matching technology, or you simply press the appropriate keys on the keyboard and you can play any part of your creation at any time and in any order. Program your show in advance, run live or just let ArKaos VJ generate the whole visual show.

#### **FEATURES**

- ◆ Adds dimension to concerts, dance clubs, raves, music videos and more
- ◆ JPEG, BMP, PICT still image support
- ◆ QuickTime™, AVI and Flash SWF video and animation support
- ◆ More than 60 customizable real-time visual effects
- ◆ Visuals sync to audio via powerful automatic beat-matching technology
- ◆ Allows any MIDI keyboard or device to control imagery and effects
- ◆ Integrates with any MIDI sequencer
- ◆ Supports multi-layering and chaining of effects
- ◆ Built-in visual recorder to create videos and visual remixes
- ◆ Multiple keyboard mapping to trigger images and effects
- ◆ Enables full-screen and multiple screen usage for performance events
- ◆ Import QuickTime movies, flash animations and still images, or grab live video
- ◆ Drag and drop images, clips onto keys of the virtual computer and/or MIDI keyboard
- ◆ Free ArKaos Visualizer software brings visuals to MP3 players

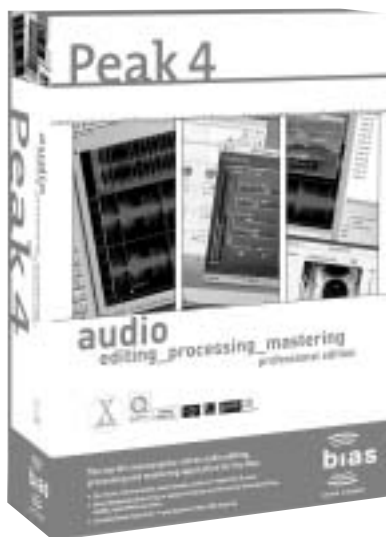
#### *Here's how it works...*

1. Import images, QuickTime movies or grab live signal.
2. Drag and drop the item onto the virtual computer or MIDI keyboard.
3. Select the required visual effects from the window.
4. Drag and drop the effect onto the keyboard
5. Record live performances, or let the beat matching artificial intelligence take care of it for you



# BIAS

## PEAK 4



### Audio Editing/Processing/Mastering Software for Mac OS X

*Peak 4 is an award-winning digital audio editing application that is fully “carbonized” (OS X native). Sporting a streamlined “Aquaified” user interface, and many other enhancements Peak 4 also runs just fine under Mac OS 8.6 through 9.2.*

*It takes full advantage of OS X’s advanced capabilities, including protected memory space for enhanced system stability; the ultra-streamlined, elegant “Aqua” user interface; and CoreAudio, the audio I/O component of OS X that supports multichannel, multi-client hardware, and beyond 24-bit/96kHz resolution.*

*Peak 4 supports your Mac’s built-in audio as well as a broad range of third-party hardware via Sound Manager or the powerful CoreAudio standard. (Translation: it works perfectly with all of the best-sounding audio hardware.)*

*Version 4.0 features include VXT plug-in management via a fully integrated version of BIAS vbox—the most advanced plug-in matrix control environment available. The*

*Cursor Palette with an integrated tempo calculator, plus the ability to sort markers by time or name in the expandable contents window. Also includes dozens of free plug-ins, including BIAS Freq—a mastering-quality 4-band parabolic EQ.*

#### FEATURES

- ◆ Fastest and most intuitive waveform editing available on any platform
- ◆ Displays multiple document windows simultaneously
- ◆ Unlimited Undo/Redo with graphic history
- ◆ User definable display size and color
- ◆ Record audio directly or import all QuickTime compatible audio formats
- ◆ Supports built-in Mac audio I/O, plus most ASIO-, Sound Manager- and CoreAudio-compatible audio hardware
- ◆ Full DSP toolset, including Fade In/Out, Normalize, Gain Envelope, Reverse, Invert, Rappify, ultra-accurate Pow-r dithering, Convolve, Reverse Boomerang, Change Sample Rate, Mix, Change Pitch, Panner, Amplitude Fit, Find Peak, & more
- ◆ Playlist with automated Redbook (Disk-at-once/DAO) CD burning
- ◆ Easily create, edit, read & write region, loop & reference markers
- ◆ Sophisticated playlist featuring advanced crossfades & DSP
- ◆ Advanced looping tools — including the highly acclaimed Loop Surfer, LoopTuner, Crossfade Loop, & Guess Tempo
- ◆ 32-bit; sample rates up to 10Mhz
- ◆ Realtime VST effects support
- ◆ Advanced VST effects routing matrix via integrated VBox support (includes VBox SE)
- ◆ Automated Repair Clicks & Remove DC Offset
- ◆ Convolve function - instantly apply recorded room ambiance to any audio document
- ◆ Read/writes multiple file formats — even MP3 (has exceptionally fast, high-quality, on-board MP3 encoding)
- ◆ Full featured batch processing options — including Export Regions & much more
- ◆ Change Duration DSP function allows high quality time compression/expansion without affecting pitch
- ◆ Threshold function automatically divides files into discrete regions based on amplitude
- ◆ Fully customizable toolbar and keyboard shortcuts
- ◆ Trigger playback and cueing of up to 10 audio documents using Mac keyboard
- ◆ Recording notepad and timer
- ◆ Advanced QuickTime movie and DV clip support features better-than-frame accurate synchronization of audio and movie playback, even during selection and scrubbing
- ◆ Supports all SMDI hardware samplers
- ◆ Supports DV standard (16-bit/48kHz) without additional hardware
- ◆ Includes BIAS Freq, a mastering-quality 4-band parabolic EQ that’s fully native for OS X (also OS 8.6 and up). BIAS Freq brings high-end audio equalization to Peak, with -18dB to +18dB gain values, 0.1 to 10 Q values, sweepable 20Hz to 20kHz frequency values, high- and low-cut filters, individual band bypass buttons, 24dB stereo input/output meters, and a super-fast Carbon Event driven interface. (For more demanding applications, plus more extensive filtering and bandwidth control options, the 10-band BIAS SuperFreq is an advanced VST plug-in, available as a download-only purchase from the BIAS Web site.
- ◆ Bundled with more than 25 VST plug-ins including Reverb, Compressor, Limiter, De-Esser, Dynamics, Distortion, Stereo Imager, Degradar, Overdrive, Resonant Filter, Stereo Simulator, Sub Bass Synthesizer, Delay, Leslie Simulator, Pitch Tracker and Vocoder
- ◆ Also bundled with Roxio Toast Lite—the industry-standard CD burning software, and Waves AudioTrack, a multi-processor plug-in with 4-band fully parabolic EQ, compressor/expander and gate.

# BIAS

## PEAK 4

COMPUTER SOFTWARE

1047

Customizable toolbar and user-definable key commands let you personalize Peak to work the way you want

Open an unlimited number of audio documents—with full cut and paste between documents, plus independent edit histories and waveform display options.

Reference markers let you locate pops, clicks, or other points simply by using the Tab key, or typing the first few letters of a marker's name. Region markers can designate areas, such as a discrete CD tracks or portions to export to a new document. Loop markers set loop begin/end points, and can be used with Peak's Guess Tempo & Loop Surfer to extract perfect loops instantly, with ease and precision.

Peak's DSP menu contains great features such as change pitch, change duration, convolve, repair clicks, change sample rate, fade-in/out, crossfade lop, normalize, mix, dither, reverse and much more.

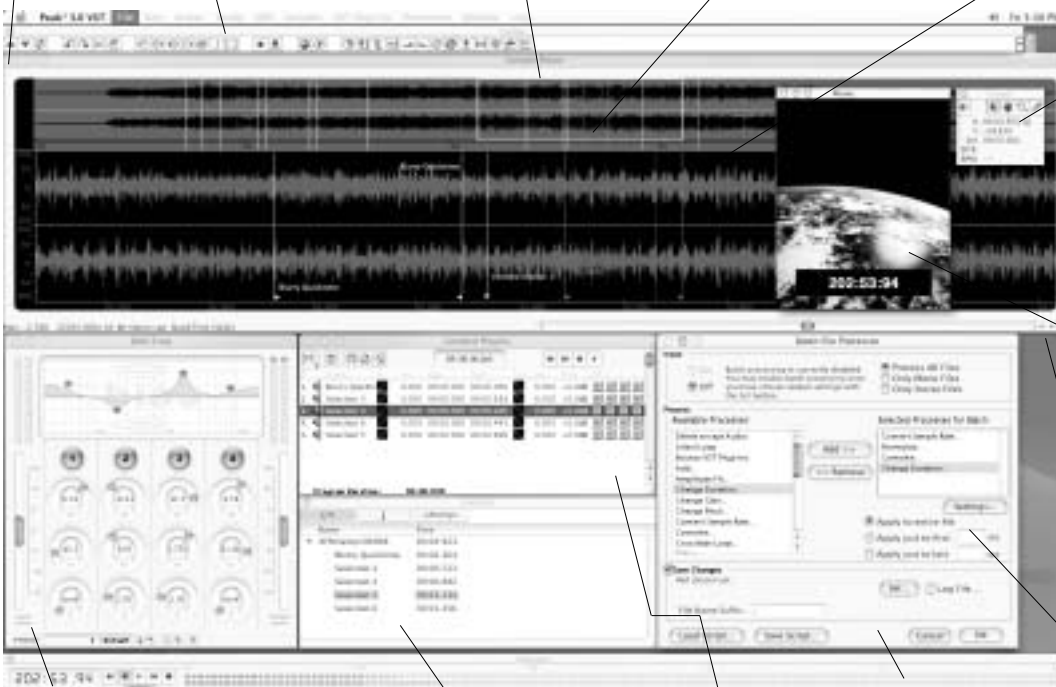
Overview window displays the entire audio document as well as the detail area you're working in. Or if you wish, disable it for maximum waveform views.

The cursor palette includes a selection cursor, pencil tool, magnifying glass, blend on/off. It also displays selection duration in seconds, SMPTE/EBU frames, bars/beats, etc. Shows X/Y coordinates, BPM and DTR (distance to nearest reference marker).

Import QuickTime movies and digital video (DV) clips for audio sweetening: Movies appear in a sizeable window, and if you wish, the movie's audio can open a standard Peak audio document. Peak maintains better-than-frame-accurate sync, letting you play the movie while making audio selections or while scrubbing the audio file.

Edit window can be sized so your monitor can accommodate many files at once—or zoomed to show enormous waveforms. Edit windows can be stacked, tiled, and custom-colored.

Save hours using Peak's batch processor to perform repetitive tasks in the background, while you do something else. Virtually any action, including plug-in signal processing, can be applied to dozens, hundreds, or even thousands of files with only a few mouse clicks.



Includes BIAS Freq—a mastering-quality 4-band parametric. Since Peak supports real-time VST plug-ins (like Freq), you can tweak and audition audio effects "live" without having to process files first.

Contents window is a quick summary of all regions, loops, and markers in all open audio documents. Use it to quickly access desired playlist elements.

Transport window with playback controls, as well as a location counter and super-responsive, high-precision VU meters.

Peak's playlist allows you to pull together regions from multiple audio documents — and then apply crossfades, plug-ins, gain changes, set gap times, apply DSP effects, and burn directly to CD, or bounce as a new audio document in a variety of formats (including a Roxio Jam Image).

### Also Available . . .

#### Peak LE:

Provides pro-caliber editing, processing and power at a price anyone can afford. Whether burning audio directly to CD-R, or encoding mp3 audio files for the Internet, Peak LE is a great way to discover Peak power basics. Has many of Peak's essential features including playlist direct CD burning, and real-time VST plug-in support. And when you're ready, you can upgrade to the full version of Peak.

#### Peak TDM:

Offering a powerful mastering environment for your TDM plug-ins, Peak TDM takes full advantage of the processing power of the Pro Tools system, lets you chain multiple TDM plug-ins together, adding countless effects in real-time to your stereo mix.

#### Peak DV:

This special edition of BIAS Peak is optimized for users of Final Cut Pro, iMovie, iDVD, Premiere, DVD Studio Pro, and other video or DVD authoring applications. Peak DV has everything you need to edit audio for your video projects, including lightning-fast audio editing and processing, support for 16-bit/48kHz files, VST plug-in support, QuickTime movie support with full chase lock - even during audio selection, advanced marker and region implementation, batch file processing, unlimited undo/redo with edit histories, built-in DSP processing including a high-quality time compress/expand algorithm, gain envelope, multiple simultaneous audio document display, and more! Peak DV also supports Core Audio, Sound Manger and ASIO.

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com



# BIAS

## DECK 3.5



### Advanced Digital Audio Workstation

Looking for a high-performance multitrack digital audio workstation? Nothing else touches Deck 3.5's combination of features, speed, compatibility, and value—it even supports Mac OS X and OMF file importing—making it more compelling than ever. Deck 3.5 has a huge feature set, with virtually everything you'd expect in a professional DAW, at a fraction of the cost. For less than you might spend on one competing system, you could equip an entire team with Deck 3.5 workstations — including hardware and computers — without sacrificing quality or capabilities.

Perfect for video editing, audio post-production, and DVD authoring studios, as well as radio stations, music studios, and sound designers. This makes it a great complement to Final Cut Pro, DVD Studio Pro, iDVD, Avid Express, Premiere, and other video editing or DVD authoring systems.

Deck 3.5 imports, exports, and accurately syncs to QuickTime movies. Scrubbing and spotting audio events is astoundingly easy and fast. Unlike budget versions of other audio tools, you get true timecode synchronization plus a SMPTE/EBU timescale display. Deck 3.5 is also fully surround-sound capable, with built-in 5.1 surround panning.

### FEATURES

- ◆ Record, mix, play back, & process up to 64 simultaneous tracks
- ◆ Up to 999 virtual tracks
- ◆ Realtime mixing console, with dedicated faders, pans, & other controls
- ◆ Automated level mixing with high-resolution moving faders
- ◆ “Rubberband-style” breakpoint automation
- ◆ Mixer states “snapshot-style” scene automation
- ◆ Clip-based automation: Copy, Paste, Drag & Drop automation envelopes follow audio regions as they are moved
- ◆ Advanced realtime signal processing with VST plug-in support
- ◆ Built-in realtime DSP effects including Chorus, EQ, Delay, & Multitap
- ◆ Super-fast spotting of audio clips to picture
- ◆ Supports up to 16-bit/48kHz audio (with compatible 48kHz hardware).
- ◆ SMPTE/EBU timecode-fluent for editing, spotting, external chase-lock synchronization
- ◆ Slaves with subframe accuracy to external video tape recorders & other transports — ideal for layback & other assembly
- ◆ Import QT movies & synchronize audio-to-picture with better-than-frame accuracy
- ◆ Scrub QT movie with full audio chase
- ◆ ADR (automated dialog replacement) capable
- ◆ Monitor previously recorded tracks while recording new tracks (optionally in sync to a QuickTime movie)
- ◆ Discontiguous clip selection
- ◆ Clip nudging & trimming — with better-than-subframe accuracy
- ◆ Master fader with stereo effects bus
- ◆ Sync to external MIDI sequencers (via third-party CoreMIDI drivers)
- ◆ Non-destructive punch-in & punch-out
- ◆ Supports most ASIO (OS 9), Sound Manager, and CoreAudio (OS X) compatible audio hardware
- ◆ Supports multiple file formats including AIFF, SDII, .WAV, .SND, & QuickTime
- ◆ Export sessions as QuickTime movie with multiple format options
- ◆ Allows external waveform editor such as Peak to be launched from session
- ◆ Library window keeps track of all the audio documents used in each session. Clean sessions of unused files, locate files on your hard drive, or view where files occur in session. Quickly and easily drag and drop files from the library into desired track/time in the tracks window.
- ◆ Master output offers a master stereo fader and precision metering. It also features eight mono (four left and four right) and four stereo effects inserts for applying mastering effects and other processors to an entire mix.
- ◆ Includes over 25 free VST audio effect plug-ins (same ones bundled with Peak), including Freq 4-band parabolic EQ, Vbox SE, Bias Peak LE and Roxio Toast Lite CD burning software.

### Deck LE

Very powerful with all of Deck's essential tools, Deck LE gives you everything you need for quick, easy, pro quality multitrack recording and editing, all at an incredibly affordable price. Record, edit, and play back up to 8 tracks of audio.

Deck LE supports ASIO-compatible audio cards, offering a greater choice of hardware options than any other competing product. Deck still offers direct support for the Korg 1212 I/O card, as well as any Sound Manager-compatible card. You can use Deck LE with your Mac's built-in audio connections, with no extra hardware needed. Deck LE also integrates with the Tascam US-428 DAW Controller, with full MIDI Map support.



# BIAS

## DECK 3.5

COMPUTER SOFTWARE

1049

Control allow you to zoom in or out, and adjust track height (with zoom memories). Location displays show current location, plus start, end, and duration of selections.

The tracks window is used for arranging and editing audio clips and crossfades, using up to 64 simultaneous tracks for recording and playback (or up to 999 virtual tracks). You can also individually mute, solo, name, and arm-for-record each track within this window, without having to use the mixer.

Import QuickTime movies and DV clips, then sync them to your session with better-than-frame accuracy. You can scrub frame-by-frame through a movie with full audio chase. Alternately, once you select and audio region, you can easily spot it to a picture by scrubbing the movie, releasing the mouse button, and you're done.

In addition to moving fader and mixer states automation, Deck has "rubberband style" breakpoint automation. Even better, it's clip based—so your automation levels follow any clips that you might choose to move.

Realtime mixer offers a fast and intuitive control surface, with individual channel faders, pans, mute, solo and record controls – plus user-definable input/output assignments and renamable track labels. You can expand or contract the mixer window to view as few or as many tracks as you like.



Transport window features location times plus tape deck-style button (Play, REC, FF, REW). Pitch control and scrub control sliders—as well as automated punch-in/punch-out, and looping controls—further your playback and recording options.

In addition to moving fader and breakpoint automation, Deck 3.5 offers "snapshot" Mixer State automation—for instant scene recall.

CPU meter keeps track of all system resources, including CPU, RAM and hard disk usage and availability.

Deck 3.5 gives you advanced moving fader automation—to store and recall all your moves with smooth-sounding precision. You can also update or overwrite automation on the fly, just by grabbing a fader (using your mouse or external control surface).

Deck 3.5 supports discontinuous clip selection – a real time-saving feature that lets you select individual regions in different tracks as a group.

Need to repeatedly paste a drum loop, room tone, or some other portion of audio? Don't bother pasting over and over—with Deck 3.5 you simply tell define how many times you'd like to drop the loop into a track and Deck takes care of the rest, automatically.

Each channel supports up to four VST effects inserts—or a virtually unlimited number of effects using Vbox SE (included).

### Advanced Audio-for-Picture Tool

Deck 3.5 is a must-have for film, video, video game, Web, and other media applications. In addition to import/export QuickTime movies, with better-than-frame-accurate synchronization, Deck 3.5 supports importing OMF sessions from video editing and authoring applications such as Final Cut Pro, Avid, and others. Sessions from OMF-capable DAWs—including Pro Tools, Digital Performer and Nuendo can also be imported. Deck is also ideal for spotting effects, editing dialogue, processing soundtracks, and recording ADR voiceovers.

### The Most Affordable Solution for 5.1 Surround Mixing

Deck 3.5 now offers built-in 5.1-channel surround mixing, making it the most affordable high-performance, surround-capable DAW on the market. While this will have most obvious appeal to audio-for-picture professionals, Deck 3.5 is also perfect for music producers - whether they're repurposing stereo media for surround mixes, or crafting multichannel audio mixes from the ground up.

The surround interface includes a 360-degree surround mixer, a "virtual joystick" with a choice of three optional panning algorithms: Radius, Variable-Width, and Room Ambiance. Each channel in the mixer displays its own 360-degree panning window - and just like Deck's conventional stereo channels, each also supports up to four simultaneous VST signal-processing plug-ins. The master output window features a smooth fader for all of the six surround outputs (including the subwoofer/LFE channel), plus individual meters. Additionally, the interface offers complete control over output assignments for each of the six channels (requires ASIO or CoreAudio audio hardware with at least 6 output channels, and drivers).

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com



# BIAS

## VBOX

COMPUTER SOFTWARE

1050



### Multi-effects Control Environment for VST Plug-ins (Mac OS 9/OS X or Windows)

*Plug-ins changed signal processing forever, bringing advanced effects to the desktop. Now, Vbox is changing plug-ins as you know them, bringing unprecedented creative command over all your signal processing options — and unleashing a universe of yet-to-be discovered sounds. Vbox is the ultimate multi-effects control environment for VST plug-ins, operating under Mac OS 9/X or Windows. It works either free-standing or integrated into any VST host program — including BIAS Peak and Deck, Steinberg Cubase, Emagic Logic, and others — where you can process and save any audio file or even record, process, and save a live feed. Unique effects matrix lets you combine, route, and mix up to hundreds of plug-ins per channel. The result is literally millions of sonic combinations — and unrivaled creative potential.*

#### FEATURES

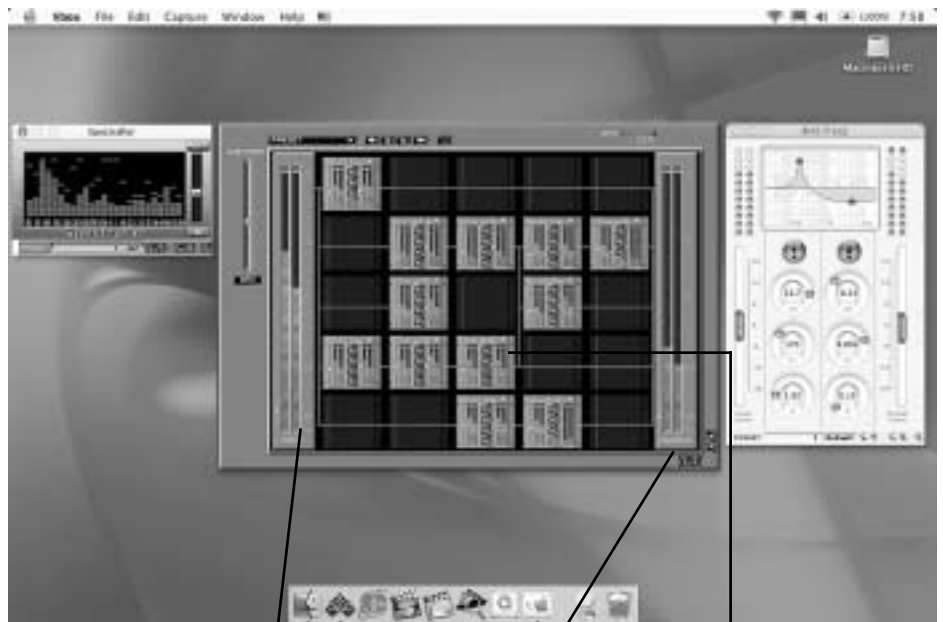
- ◆ Create, manage, store & recall a virtually unlimited number of VST plug-ins — all in a fast, intuitive, fun workspace
- ◆ Unique effects matrix lets you combine, route & mix multiple individual effects, in parallel, series, & series-parallel combinations — for millions of sonic permutations
- ◆ Hot-swap plug-ins instantly
- ◆ Comes with dozens of free VST plug-ins and works with the hundreds of VST 1.x compatible plug-ins already on the market
- ◆ Integrates seamlessly into VST host apps
- ◆ Use it as a stand-alone signal processor for AIFF, SDII, & .WAV audio files
- ◆ Process & record live feeds or CD playback — perfect for DJ's & live performance
- ◆ Easy muting, soloing, & bypassing of any individual plug-in — plus full control of input & output gain of each plug-in — directly in the vbox environment
- ◆ Accurate stereo metering at each stage
- ◆ Works with Sound Manager, ASIO (OS 9), & CoreAudio (OS X), compatible hardware
- ◆ Plug-in parameters for any plug-in in the Vbox matrix can be accessed by clicking the edit button on each active plug-in module—instantly revealing all the standard parameter controls and user interface of each individual plug-in.
- ◆ Parameters for multiple plug-ins can be opened simultaneously (only one plug-in at a time with Vbox SE.) All parameters can be adjusted and auditioned in real-time without stopping audio playback.

*Master wet/dry mix control adjusts the relative balance between processed and unprocessed signals.*

*Toggle back and forth between settings with the A/B compare switch—a great decision-making tool. You can also store and recall a virtually unlimited number of effects combinations or individual effects settings.*

*Each plug-in assigned in the effects matrix has its own independent input/output faders, precision meters, Solo/Mute/Bypass/Edit buttons, and a signal flow indicator. You have unparalleled control over your sound.*

*Keep an eye on your computer's CPU usage with the CPU meter—so you'll always know how many plug-ins may be assigned.*



*Convenient master input and output faders - plus high-precision meters at both input and output stages - gives you complete control over master levels.*

*Vbox's unique effects matrix lets you assign and arrange a virtually unlimited number of VST plug-ins. The matrix default size is 5 x 5, but you can custom-size it to suit your liking.*



**ONE HOUR FREE PARKING**

AT 349 W. 34th STREET (with purchase of \$100 or more)

## BIAS Studio Software Bundles

BIAS Studio takes your project from concept to completion with recording, mixing, editing, and processing in one awesome bundle. The ultimate desktop solution for your studio, BIAS Studio includes Peak, Deck, and Vbox for a fraction of the price that they cost separately. Also available in an LE version.

For those who want studio power together with laptop flexibility for field and live performance recordings, the Powerbook editions of BIAS Studio include the Digigram VXpocket PCMCIA card—the most portable, professional laptop audio I/O card available— to provide completely mobile audio workstations. The VXpocket gives you two 24-bit analog converters, S/PDIF I/O SMPTE/EBU timecode input, plus I/O breakout cable and supports sample rates up to 48kHz.

**BIAS Studio LE:** Includes Peak LE, Deck LE, Roxio Toast Lite and Waves Audio Track

**BIAS Studio:** Includes Peak 4, Deck 3.5, Vbox, and Roxio Toast Lite and Waves Audio Track

**BIAS Studio LE Powerbook Edition:** Same as above plus Digigram VXpocket PCMCIA audio I/O card

**BIAS Studio Powerbook Edition:** Same as above plus Digigram VXpocket PCMCIA audio I/O card

## SOUND SOAP *Audio Cleaning Software*

*Sound Soap is an easy-to-use, professional-quality noise reduction software designed for videographers, multimedia & web developers, music & audio enthusiasts & others. By simply adjusting just two knobs, anyone can remove unwanted hiss, room noise, rumble, electrical hum, and other background noise from almost any digital media file. These include digital video (DV), PowerPoint, Flash and digital audio workstation tracks, as well as cassette or other analog tape recordings that have been transferred to a computer.*



*Sound Soap works by removing "broadband" noise (such as room noise, tape hiss, road noise from a moving vehicle, or noise from air conditioners). It also removes low-frequency rumble, as well as hum - the 50 and 60Hz electrical "buzzing" sound common in many audio recordings. It can even learn the difference between the noise and the desired audio - achieving amazingly effective results. With moderate or subtle noise problems, Sound Soap can make the difference between a project that sounds amateurish and one that sounds professional. Sound Soap can even salvage otherwise unusable audio files.*

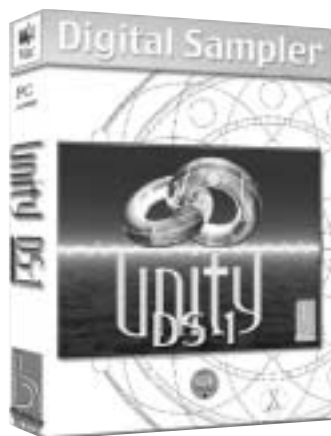
- ◆ Use as a standalone application—works with any QuickTime compatible audio or video file (AVI, DV, .WAV, SDII, AIFF, MP3, MP4 & many more) or as a fully integrated plug-in with any compatible DirectX or VST host program — including BIAS Peak, Vegas Video, Cubase & others.
- ◆ One-step Learn Noise button automatically reduces noise (in under three seconds, SoundSoap will profile any noise in your signal and adjust the Noise Tuner and Noise Reduction knobs to their ideal settings), or fine tune the intuitive controls for even more professional results — in just seconds.
- ◆ Preserve voice button helps remove noise (and other audio) outside of the range of the human voice.
- ◆ Noise Only mode lets you listen only to the noise being removed — and is ideal for fine-tuning SoundSoap's controls.
- ◆ Remove hiss, hum & buzzing, rumble & most other noise — without harming the audio you want to preserve. Hum removal is optimized for 50 or 60Hz
- ◆ Wash Window lets you listen and watch. The left side of the display shows the unprocessed signal, while the right side shows it after it's been cleaned.
- ◆ Noise Tuner control helps you "tune in" the hiss and other background noise you want to remove — rather like tuning in a radio station (but one you don't want to hear).

# BITHEADZ

## UNITY DS-1

COMPUTER SOFTWARE

1052



### Digital Sampler

With the Unity DS-1 you can turn your computer into a full featured digital sampler, allowing you to recreate the sounds of acoustic instruments or any other audio source. All of the features of dedicated hardware samplers are here— 16 part multi-timbrality, 64 voice polyphony, a complete synth engine and the ability to create layers and splits—all with full MIDI control. Compatible with Akai, SampleCell, .WAV and .AIFF and CD audio files that can all be edited using the integrated audio editor.

Import more of your sample libraries and load them faster than anything else. Unity DS-1 was the first on the scene with the G4 and Dual Processor support for an unequaled 256 possible stereo voices. No other sampler even comes close. An on-board digital audio editor, two stereo effects processors, and the ability to play huge samples from RAM or stream from disk within Performer, ProTools, Logic, or Cubase give you flexibility for all your gigs.

### FEATURES

#### General

- ◆ Sampling synthesizer in software, no additional hardware required
- ◆ Outstanding 32-bit/96kHz sound quality
- ◆ Up to 256 note polyphony
- ◆ Stereo signal path throughout
- ◆ FreeMIDI, PC300, OMS, & CoreMIDI compatible
- ◆ MAS, VST, RTAS, DirectConnect, & ReWire support, ProTools HD compatible
- ◆ Over 1GB of content included

#### User Interface

- ◆ 100 percent programmable
- ◆ Drag and drop sample importing, exporting & keypad placement
- ◆ Selectable graphic or slider views for envelope modulators
- ◆ Parameter values displayed in hertz, db, or milliseconds where appropriate

#### Sampling

- ◆ Imports 24-bit Sound Designer I & II, AIFF, CD-Audio, and WAVE files
- ◆ Imports and maps SampleCell II instruments, DLS, and SoundFont 2.0 automatically
- ◆ Option to automatically split samples
- ◆ Selectable interpolation: Linear, Quadratic, Lagrange or none
- ◆ Built-in digital audio editor includes stereo record function with level controls
- ◆ DSP functions include Normalize, Gain, Fade, Reverse, Crossfade Loop, EQ & more

#### Multisamples

- ◆ Up to 128 samples per MIDI note selectable via velocity or controller cross-switching
- ◆ Per-sample volume, tune, pan, sample start, FX send, envelope and mute grouping

#### Effects

- ◆ Two stereo insert effects processors per program
- ◆ Two additional stereo global (parallel) effects processors
- ◆ Parametric and shelf equalizers
- ◆ Multiple stereo reverb and reflection algorithms
- ◆ Stereo delays, chorus, phaser, and flange
- ◆ Overdrive, distortion, and degrade effects
- ◆ Delay times can be synced to MIDI clock

#### MIDI

- ◆ Control of layers, splits, and arpeggiator
- ◆ 16 simultaneous MIDI channel multitimbral
- ◆ Real-time control of all parameters simultaneously via NRPN's
- ◆ On-screen keyboard, no MIDI controller required
- ◆ Full simultaneous MIDI application compatibility
- ◆ Mac version includes QuickTime, OMS, FreeMIDI drivers, & native Logic support

#### Output

- ◆ Supports output directly to digital audio file on disk in 8, 16, or 24-bit format
- ◆ Audio output: SoundManager, Direct Sound, MAS 2.0, ASIO, & Digidesign DirectConnect & Direct I/O (Mac only)

Unity DS-1 was designed by musicians, for musicians. That's why it gives you layers, splits, and full MIDI continuous control. It also gives you speed, with lightning fast note - on response time and the ability to load huge samples in seconds instead of minutes. So whether you use Unity DS-1 as a multitimbral sound module with your favorite MIDI application or a live performance synthesizer, it has power to spare. Because Unity DS-1 has the heart of a full blown analog synthesizer, your sampled instruments can be performed with a high degree of expression and/or manipulated beyond recognition to create new sounds of your own. Use the OscillatorStretch to adjust your loops to the perfect tempo. Then you can even write the sampler's complete multitimbral stereo output to disk as an audio file for use in your favorite digital audio applications.



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

## UNITY AS-1

### Digital Software Synthesizer

The moment you hear the warm, fat analog sounds of Unity AS-1 you'll know that this is no ordinary analog synthesizer. With over 1,500 different sounds that range from deep bass to deep space, Unity AS-1 blends the very best features of vintage analog analog synthesis and the latest computer DSP algorithms. Practically unlimited modulation routings and LFO's make it easy to bring vintage patches back to life. It's easier than ever to create amazing new soundscapes of your own with stunning 32-bit, 96kHz sound quality.

Play the Unity AS-1 "live", just like any other synthesizer with layers, splits and full MIDI continuous control, or use it as a multitimbral synth running alongside your favorite MIDI application. Extensive MIDI implementation allows real-time control of almost every parameter and easy integration into existing MIDI setups. The Unity AS-1 comes with over 100 editable parameters, 3 oscillators, 2 filters, 2 insert and 2 global effects, ring modulator, plus dozens of LFO's and envelopes. You can even record your performances as audio files for use in your favorite digital audio applications. Play AS-1 with just a laptop, or plug it into Performer, ProTools, Logic and Cubase.



### FEATURES

#### General Features

- ◆ Compatible with Mac OS 8.6 through 9.2 and 10.1 or higher
- ◆ No additional hardware required
- ◆ Outstanding 32-bit/96kHz sound quality
- ◆ Up to 128 note polyphony (CPU dependent)
- ◆ True phased locked stereo signal path throughout
- ◆ Realtime MIDI input/performance
- ◆ Includes over 1500 classic analog sounds
- ◆ Record and save performances as AIFF or WAV
- ◆ FreeMIDI, PC300, OMS, & CoreMIDI compatible
- ◆ MAS, VST, RTAS, DirectConnect, & ReWire support, ProTools HD compatible
- ◆ Graphical editing of configuration

#### MIDI Plug-Ins

- ◆ Arpeggiator Chord, Arpeggiator Played, Channelize, Chord, Key & Transpose
- ◆ Full control of layers, splits and arpeggiator
- ◆ 128 simultaneous MIDI channel multitimbral
- ◆ Tempo control and note division
- ◆ Programmable note input & chords listing

#### Effects Plug-Ins

- ◆ Two insert (serial) effect processors per voice
- ◆ Two additional stereo global (parallel) effects processors
- ◆ Delay times can be synchronized to MIDI clock
- ◆ Full parametric and shelf EQs
- ◆ Effect algorithms include: Chorus, Compressor, Degrade, Dual Chorus, Dual Delay, Dynamic Filter, Flange, Overdrive, Parametric EQ, Phaser, Pitch Bend, Pitch Shift, Quad Delay, Reflection, Reverb, Shelf EQ, Single Delay, Stereo Chorus, Stereo Compressor, Stereo Delay, Stereo Flange, Stereo Phaser & Stereo Pitch Shift

#### Synthesis

- ◆ 3 stereo oscillators per voice
- ◆ 2 stereo filters per voice
- ◆ 8-octave range per oscillator
- ◆ Random pitch per oscillator
- ◆ Frequency modulation from any oscillator or filter
- ◆ Ring modulator (input from oscillators, external audio, filters input and output; output to filters)

### AS-1 & DS-1 BOTH FEATURE

#### Modulation

- ◆ Modulators and routings limited only by CPU power
- ◆ Most parameters available as a modulation source and/or destination
- ◆ 6-stage envelope modulators (delay, attack, decay, sustain, sustain decay, release)
- ◆ Selectable linear or exponential curves for envelopes
- ◆ Six low frequency oscillator ("LFO") waveform shapes
- ◆ LFO's can be synchronized to MIDI clock
- ◆ Four continuous MIDI controller modulation sources are available simultaneously

#### Filters

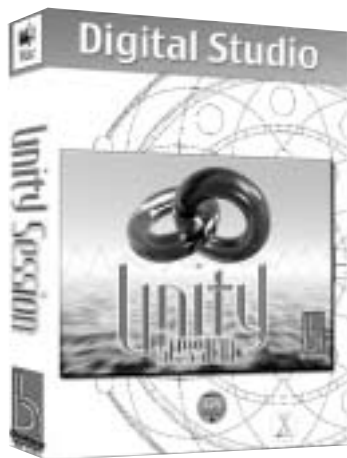
- ◆ Two assignable stereo filters per voice
- ◆ 13 filter types, including 4-pole resonant lowpass, highpass, bandpass, allpass, notch & state-variable
- ◆ Multiple inputs allow parallel and/or serial filtering
- ◆ Per-filter cutoff, resonance, cutoff modulation source/amount and overdrive controls

# BITHEADZ

## UNITY SESSION

COMPUTER SOFTWARE

1054



### *Sampler, Synthesizer and Physical Modeling with Integrated Mixer*

*Unity Session combines the functionality of hardware samplers, analog synthesizers, and physically modeled instruments into one fully integrated environment. The program brings together Unity DS-1 and Unity AS-1 by allowing both programs to be supported within the same mixer and editor applications.*

*All of the libraries, banks and programs are now selected and assigned within the same mixer application. The Unity Editor will allow the user to create and/or edit DS-1 and AS-1 banks, as well as opening and converting GigaSampler, Unity 2, Retro 2, Sound Font 2.0, Sample Cell II and DLS files. In addition to the sample formats available for editing through the mixer, Akai S-1000/S-3000 and Roland S-760/S-770 formatted samples can easily be converted and brought into Unity Session.*

*Also included in Unity Session, is a module for physical modeling. There are four physical models including Clarinet, Flute, Hammered String and Bowed String. The user can go in and physically modify the characteristics of the instrument. Finally, all of the components of the program can be combined to create an instrument. The newly created instruments are then saved in a standard bank and can be selected within an application just like any program.*

### FEATURES

#### General Features

- ◆ Compatible with Mac OS 8.6 through 9.2 and 10.1 or higher
- ◆ Outstanding 32-bit, 96 Khz sound quality
- ◆ Up to 256 note polyphony (CPU dependent)
- ◆ FreeMIDI, PC300, OMS, & OSX CoreMIDI compatible
- ◆ MAS, VST, RTAS, DirectConnect, & ReWire support, Pro Tools HD compatible

#### Unity Mixer

- ◆ Assign 2 MIDI and 2 Audio FX per channel
- ◆ Assign 2 Send FX and 2 Global FX on Master outs



#### Synthesis

- ◆ 3 stereo oscillators per voice
- ◆ 2 stereo filters per voice
- ◆ 8-octave range per oscillator
- ◆ Frequency modulation from any oscillator to filter

#### Physical Models

- ◆ Clarinet, Flute, Hammered String and Bowed String

#### Sampling

- ◆ True stereo signal path
- ◆ Selectable interpolation: Linear, Quadratic and Lagrange
- ◆ Option to automatically split samples (for Audio CD's)
- ◆ Built-in sample editor which includes stereo record function with level controls
- ◆ DSP functions include Normalize, Gain, EQ and more

#### Multisamples

- ◆ Up to 128 samples per MIDI note selectable via velocity or controller cross-switching
- ◆ Per-sample volume, tune, pan, sample start, FX send, envelope and mute grouping

#### Effects

- ◆ 2 assignable MIDI effects per program
- ◆ 2 assignable Audio effects per program

#### Instruments

- ◆ Play samplers, synthesizers and physical models at the same time in user defined 'Splits & Layers'

#### Content Included

- ◆ Over 2GBs of content including Black & Whites pianos, Pop Drums, and new Orchestral Strings library, 1500 analog synth patches, and Osmosis for converting Roland and AKAI libraries.

#### Filters

- ◆ 2 assignable stereo filters per voice
- ◆ 13 filter types, including 4-pole resonant lowpass, highpass, bandpass, allpass, notch & state-variable

#### FileTypes

- ◆ Plays 24-bit GigaSampler, Retro AS-1, Unity DS-1, Sound Designer II, AIFF, SampleCell II, DLS, SoundFont 2.0 and WAVE files



EQUIPMENT LEASING AVAILABLE

# BITHEADZ

## UNITY-BASED SOUND MODULES

Each of the Unity sample libraries include their own sample playback engine based on DS-1 software sampler technology. Each library has a user interface, features and controller capabilities customized for that library. For example, Unity Discrete Drums allows you to mix the wet/dry mix for the samples using a MIDI sequencer or your keyboard's mod wheel, while Temper Tantrum employs Oscillator Stretch which allows you to instantly match any loop to your songs tempo.

### Ultimate Acoustics Gibson Guitars

Ultimate Acoustics is a collection of vintage acoustic guitar and bass samples performed by Bryan Blumer and produced by David Das. All samples were sampled in 24-bit, 44.1 kHz resolution, some in mono and some in stereo, to give you full fidelity. Each guitars folder contains a few different playing styles including the following:

Singles banks contain samples of single notes, picked or plucked. Open and fretted notes are mapped across the keyboard to simulate how a real guitar would sound.

Chords banks contain samples of strummed major and minor chords plus several alterations. Each program is mapped out from C3 to B4 and broken down into a down-strum and an up-strum for a realistic sounding rhythm guitar. Extras banks contain useful extra samples such as mutes, harmonics, and harmonic chords for each guitar.



### Unity Topaz Kits Drum Kits

Unity Topaz Kits is a collection of multisampled drums based on the SonicEmulations Gigasampler format title, Topaz Studio Kits. Each of the drum kits included was sampled while played with various types of sticks and brushes, providing more variety and realism. The kits were created by well known session drummer Zach Danziger using both Yamaha and Gretsch acoustic drum sets. The result is a spectacular collection of high quality drum samples that you can use standalone with the Unity Player engine included, or within your favorite sequencer.

### Unity Discrete Drums Studio Drum Kits

The drum samples in the Unity Discrete Drums library were taken from the Discrete Drums Series One Multitrack 12 CD set. All of the samples are 24-bit audio. The CD allows the users to control the level of the Room tracks, just as in the Discrete Drums libraries. However, in instead of using individual audio tracks, the Unity version utilizes Unity banks.

Each drum set contains three banks - Dry (natural drum set), Room (just the room tracks) and Mix (links to the other two banks and has several preset mixes of the room level).



### Black & Whites Software Piano Module

Black & Whites is a software piano module for your Mac or PC. It brings the legendary 7' and 9' Steinway Pianos to your computer. Based on technology developed for the award winning Unity DS-1 Sampler, Black & Whites uses the same playback engine to reproduce the professional quality sound found in Unity DS-1. Over 330 MB of samples are included, with instrument sizes ranging from 3 MB

to 44 MB in size. Over 1400 individual programs cover everything from sonic purity to pure insanity.

Black & Whites was sampled in stereo and many of the models utilize 4 velocity layers. There are also Rhodes Electric Piano samples with many variations. So if you've been waiting for sampled pianos that can stand on their own three legs, listen to Black & Whites.



### Tempo Tantrum Breakbeats Loop Module

Tempo Tantrum delivers over 240 MB of breakbeats, drum loops, and bass lines straight to your computer. Creative freedom is yours with complete control over the bpm of each loop. Using amazing Unity DS-1 Oscillator Stretch technology, you can instantly adjust the tempo and feel of these breakbeats. You can even change the tempo in realtime with almost any MIDI controller.

With Tempo Tantrum, any drum loop or bass line can be instantly matched with any other loop in the collection. This flexibility allows you to get the most out of this sample library, since you can easily create new combinations of loops, tempos, and effects as needed.

# BITHEADZ

## UNITY-BASED SOUND MODULES

COMPUTER SOFTWARE

1056

### Pop Drums Vol. 1 *Contemporary Drum Loops*



Pop Drums Vol. 1 is the answer to any musician out there looking for a wide range of quality sounding drum loops and bass lines. With over 270 MB of content, you'll be sure to find just what you are looking for from Latin and Soul to Rock and the Blues. Over 270 MB of drum loops and bass lines that can be sped up or slowed down in realtime without changing pitch. Several different programs per bank for different tempos, effects, and pitch-shifting. You can also use the Pop Drums content in Phrazer.

### Harry Sharpe Guitars *Guitar Loop Module*

This collection contains over 420 MB of multisampled and multilayered Fender Telecaster libraries & loops to choose from including Rock, Funk, Blues, and even a few Country styles. Add studio recorded rhythms, leads, and riffs to your songs without ever setting up an amplifier. Three different pick-up settings give you distorted, clean, and licks in between. Several different programs per bank for different tempos, effects, and pitch-shifting. Loops are also compatible with Phrazer.



### Unity Synth Expander 1

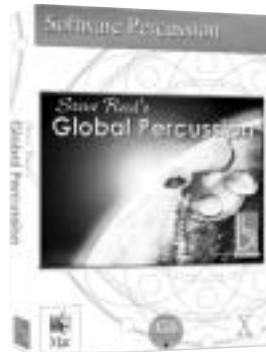
Comprised of six plug-ins, Unity Synth Expander 1 contains 500 sounds that can be used in the as a plug-in or in stand-alone mode. The synthesis package can be brought into Unity Session, Unity DS-1, Unity AS-1, or other sequencers. Includes full editing capabilities as well as plug-in support for Pro Tools, Digital Performer, Cubase and Logic.



Unity Expander 1 includes the following:

- FM-1:** 8 operator FM synthesis
- BR-1:** Brass physical model
- EP-1:** Electric Piano physical model
- GL-1:** Glottal/Vocal physical model
- VS-1:** Vector synth
- WS-1:** Wave sequencer synth

### Steve Reid's Global Percussion *Percussion Module*



World-renowned percussionist, Steve Reid, combines the high-quality samples of his vast percussion instrument collection with the powerful Unity DS-1 Digital Sampler Engine.

Steve Reid's Global Percussion contains pristine samples of exotic percussion instruments from all over the world. No additional hardware is required to play these sounds. The instruments are sampled in the Unity DS-1 format, as well as in Voodoo format.

### Miroslav Vitous MINI *Symphonic Orchestral Samples*

The Miroslav Mini is a collection of world class symphonic orchestra samples in native Unity DS-1 format. The library is a compilation of orchestral instruments and ensembles from the larger Miroslav Master Set. The Mini Library comes complete with over 25 individual instruments representing the strings, brass, and woodwinds families. The realism and expression of these instruments is unparalleled among orchestral sample libraries, and recreates the symphonic experience with stunning clarity and depth.



### Tubes, Tines & Transistors *Vintage Keyboard Module*



"Tubes, Tines & Transistors" is a dynamic collection of organ, electric piano, analog synthesizer, and related keyboard instrument sounds that can be played directly from your Mac or PC.s

Using amazing Unity DS-1 sampling technology, you get instant access to over 110 banks and 3,500 instrument programs! The sounds of actual vintage organs and classic analog synths such as Arps, Moogs, Sequentials, and Oberheims have been digitally captured and brought to your desktop.



## RETRO AS-1

### Software Synthesizer

Using DSP technology, Retro AS-1 is a full-featured software synthesizer which can recreate the sounds of many of the classic analog synthesizers of the past, or create amazing new soundscapes from scratch, with full programmability. Retro AS-1 is fully polyphonic and multi-timbral, with fast response time. Extensive MIDI implementation allows real-time control of all parameters and easy integration into existing MIDI setups. Sounds can be played live just like any other musical instrument with layers, splits, and full MIDI continuous control. Or used as a multi-timbral sound module running behind another MIDI application (such as a sequencer) on the same computer. A full-featured arpeggiator can generate analog-style sequences. Additionally, you can have Retro AS-1 write the synthesizer's complete multi-timbral stereo output to disk, and stored as an audio file for use in another digital audio application.



- ◆ 24-bit, 96 kHz sound quality
- ◆ 9 waveform: Saw, Pulse, Triangle, Sine, Sine squared, Glottal, Noise (white, pink, red)
- ◆ 13 filter types: Includes 4-pole resonant lowpass, highpass, bandpass, allpass, notch, and state-variable
- ◆ Up to 3 oscillators per voice not including low frequency oscillators
- ◆ 8-octave range per oscillator
- ◆ Syncs any oscillator to any other oscillator or filter
- ◆ Multiple inputs allow parallel and/or serial filtering and filters can be modulated by oscillators ("poly mod")
- ◆ Frequency modulation from any oscillator or filter
- ◆ Over 100 parameters per program
- ◆ On-screen keyboard
- ◆ No MIDI controller needed to trigger sound
- ◆ Supports output directly to digital audio file on disk in 8,16, or 24-bit format
- ◆ Automatic publishing of OMS and FreeMIDI names



### VOODOO Digital Drum Machine

Voodoo turns your computer into a programmable "beat box" that plays samples and standard MIDI files. It contains over 20 different "Themes" so you can customize the program to your liking. All functionality is accomplished within one window where you can drag the samples you want from your hard disk onto the drum pads. By clicking on the drum pad you can then view its individual control parameters and its sample waveform. When your finished making the adjustments that you want, exporting the samples is as simple as dragging to your hard disk. So when you're ready to lock down a groove, Voodoo gives you both the simplicity and flexibility to do what's most important: Make music.

- ◆ Outstanding 24-bit, 96 kHz sound quality
- ◆ Up to 64 note polyphony (CPU dependent)
- ◆ Drag and drop sample importing and Standard MIDI file importing
- ◆ On-screen keyboard
- ◆ Parameter values displayed in hertz or ms
- ◆ Use standalone or play Voodoo from your MIDI sequencer

#### Sampling

- ◆ Imports AIFF, Unity DS-1 and SDII files.
- ◆ DSP functions include Gain, Shelf EQ, Parametric EQ, Reverse, Flange and Delay
- ◆ Up to 4 samples per "pad" selectable via velocity or controller switching
- ◆ Per-sample volume, tune, pan, sample start, FX send, envelope and mute grouping

#### Oscillators

- ◆ Single stereo oscillator per pad
- ◆ 8-octave range per oscillator
- ◆ Course and fine tuning

#### Filters, Effects & LFO

- ◆ Single filters per pad with variable cutoff, resonance, and Overdrive controls
- ◆ Filter types: lowpass, highpass, and bandpass
- ◆ Envelope and velocity control of filter cutoff
- ◆ Effects: Delay, Reverb, Reflection
- ◆ The LFO is routable to pitch, filter, or amplitude and has access to four waveforms, as well as delay, ramp, and speed controls

#### Patterns

- ◆ Event list editing, quantize, shift, pad note, velocity and length edit functions.
- ◆ Each pattern has # repeats, tempo, pan, volume and FX 1/2 offsets
- ◆ Import and arrange multiple patterns

#### Output

- ◆ Supports output directly to digital audio file on disk in 8,16, or 24-bit format
- ◆ ReWire support for Cubase, Digidesign Direct I/O, ASIO and MAS support

#### MIDI

- ◆ Real-time control of all parameters via MIDI
- ◆ OMS, FreeMIDI, Logic & serial port support
- ◆ Sync to MIDI clock

# BITHEADZ

## PHRAZER

COMPUTER SOFTWARE

1058



### Loop Composition Software

Take loop composition to the next level. Powerful pitch and tempo matching algorithms, built-in sample editing, mixing, and on-board digital effects provide total control of your sound. Integrate the power of multi-track digital audio and MIDI into one of the most comprehensive and easy to use loop-based production systems ever.

Phrazer is a powerful loop-based music production studio that makes it easy to take audio loops of different tempo and pitch and combine them to easily create music.

Phrazer includes built in effects and an audio waveform editor. It imports Acid loops and songs, as well as WAV, AIFF

and MP3 files with the ability to automatically detect the "hit points" or transients in the waveform and insert markers at those points which allow for Phrazer's tempo adjustments. Phrazer also has real-time MIDI performance features - you can assign a MIDI note number to each of the Phrazer audio tracks and then gate that track on or off using the MIDI keyboard. You can also assign QWERTY keys to each of the tracks for the true portable DJ set-up!



### FEATURES

- ◆ Over 900 MB loops included
- ◆ Ability to create a master project folder that contains not only the sequence, but duplicates all samples used
- ◆ Compatible with most standard sequencers including ProTools, Digital Performer, Logic and Cubase
- ◆ Powerful pitch and tempo matching algorithms easily match up different audio loops
- ◆ Built-in sample editor with DSP for fine tuning audio files and customizing loops for changing tempo without changing pitch
- ◆ Roland PC 300 MIDI keyboard support
- ◆ Multitrack audio editing and playback
- ◆ Import MP3's, ACID I and II files, Unity DS-1 samples, AIFF, Sound Designer II, WAV files and CD-Audio
- ◆ Tempo calculation to set tempo based on sample length
- ◆ Assign multiple loops and DSP effects to each track. This makes it easy to keep track of your song since you can have all of your drum loops on one track, all of your bass loops on another track etc. Then you can drop insert effects right onto your track and automate them along with pan, volume and more.
- ◆ One shot tracks retrigger a sample each time a key is pressed for stuttering or scratch effects.
- ◆ Optimization for Apple's G4 for maximum performance
- ◆ Stream audio from hard disk or load audio into RAM
- ◆ Use ASIO, DirectConnect, Direct I/O, MAS 2.0, ReWire or Sound Manager for output
- ◆ Sync to MIDI clock for integration with studio hardware and software
- ◆ Unlimited tracks available (CPU and RAM dependent)
- ◆ QuickTime movie support
- ◆ Two send effects available per track including: Phrase, Flange, Chorus, Degrade, Distortion, Filter, Dynamic filter, Compressor, Delay with MIDI sync, Shelf/Parametric EQ and Reverb
- ◆ Hide editor view in main window
- ◆ Plug-in effects processor
- ◆ 24-bit support for sequencer rendering and record to disk

Phrazer LE

An alternative to Phrazer, the LE version is perfect for a beginner, or for those who don't need all of the features that come with the full version. Users have the ability to create a soundtrack to a home movie, use it live as part of your rig or make full songs using built-in FX, advanced editing features and the 500 MB of loops included! Three primary differences between the LE and full version:

- Amount of content (500 MB vs. 900 MB with full version)
- Sequencer support only in full version • LE version is limited to 8 tracks





### Phrazer Discrete Drums *Studio Drum Loops*

This content CD contains 280 MB of Phrazerized drum loops taken from the Discrete Drums Pro Series Rock/Alternative collection. Phrazer Discrete Drums provides both 16-bit stereo and 24-bit mono loops.

The stereo loops contain the entire drum kit for those of you don't want to fuss with balancing the individual mics. The

result is 24 Phrazer Discrete Drums songs broken down into Verse, Chorus, Fills, etc. But if you want to break it down even further, the other half of the content CD provides the 24-bit mono loops. Here in the Phrazer Discrete Drums "Parts folder", you can adjust the amount of Overhead and Room to your liking.

### AfroCuban Percussion *Tropical Rhythm Module*

AfroCuban Percussion contains 130 MB of quality sounding Caribbean-style instruments and rhythms. You will find Mambo, Merengue, and many other loops in this tropical library. The loops are "Phrazerized" so all you have to do is bring them into Phrazer and your on your way to a creating a fantastic island beat.



### Underground Beatz Vol. 1

The library is a "best of" collection of the Cologne Cyclez I and II and the Hamburg Loopz 2 libraries from Wizoo. A must-have for those into the techno, electronic sounds of the European underground, Cologne Cyclez provides classic 133 bpm loops—perfect for the electronic DJ. The Hamburg Loopz 2 content contain many unusual and experimental patterns shaped by effects, distortion and analog synths.

### Underground Beatz Vol. 2

Over 300 MB of quality sounding loop staken from Wizoo's Rude Loopz and Lofi Junkiez 2 content titles. Lofi Junkiez presents you with electronic cologne funk, Trip hop, Hip hop & Breakbeat drum loops from the European underground scene. You will surely be inspired by the loops brought to you by Cologne underground DJ's, with special guest, Craig Anderton.

The Rude Loopz content features a drummer recorded live to analog tape using vintage tube and solid state equipment. All of the loops in this folder have two 2-bar loops, each played and processed differently.



## Phrazer Smart Loops

### *AfroCuban Percussion*

These three Phrazer titles come to you courtesy of Smart Loops. All of the original loops were created specifically for use as loops, which allows you to mix and match them up freely. The three "phrazerized" titles based on the Smart Loops versions including Bass Guitars, Drums & Percussion, and Electric Guitars. You can mix and match the three titles as needed and bring them into Phrazer, Phrazer LE, Unity DS-1, Unity Session, or any of your favorite sequencers! No additional hardware required. Free demo version of Unity Session included with each title.

#### *Bass Guitars*

- ◆ Over 950 "phrazerized" loops
- ◆ A variety of styles including Rock, Pop, Funk, Blues and Heavy Rock
- ◆ Includes 4-string finger and pick, 4-string slap, 5-string with finger, 5-string slap and Fretless Bass
- ◆ Most bass loops recorded without any effects, giving you complete flexibility

#### *Drums & Percussion*

- ◆ 670 "phrazerized" loops in a variety of styles including Afro Cuban, Latin, Rock, Pop, Funk, Blues and Heavy Rock
- ◆ Create your own unique 2 and 4 bar riffs
- ◆ Instruments including Congas, Bongos, Triangles, Wood blocks, and many more
- ◆ Most loops recorded without any effects, giving you complete flexibility

#### *Electric Guitars*

- ◆ Over 950 "phrazerized" Loops
- ◆ A variety of styles including Rock, Pop, Funk, Blues and Heavy Rock
- ◆ Includes Guitar (clean), Guitar (Wah pedal) and Guitar (Heavy distortion)
- ◆ Most loops recorded without any effects, so you can easily add your own



# BOMB FACTORY

## 'CLASSIC' PLUG-INS

COMPUTER SOFTWARE

1060

*Bomb Factory makes photo-realistic plug-ins modeled after analog devices built by other manufacturers. One look at Bomb Factory's software and you'll see the difference. There aren't any little sliders to click on. And no long columns of numbers to type in. Instead you get photorealistic representations of professional studio equipment.*

*The plug-ins are developed with the cooperation and direct involvement of these manufacturers and other recording engineers to ensure the plug-ins are true to the original devices. For instance, Bob Moog was involved in creating the Moogerfooger Lowpass Filter and Ring Modulator plug-ins. (They even have his signature).*

### Classic Compressors

Bomb Factory's Classic Compressors look, sound, and work just like the real thing. Whether you're just learning to use compression or a seasoned pro polishing a final mix, you'll love these time proven designs.

#### Teletronics LA-2A



*The LA-2A tube compressor's delivers more than just "warmth" – it also has charm.*

#### Teletronics LA-2A / Urei 1176

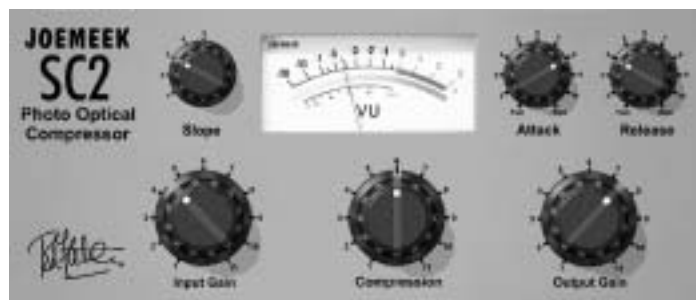
Meticulously crafted digital versions of the Teletronics LA-2A tube compressor/limiter and the Urei 1176—the most popular vintage compressors used in top pro studios—Bomb Factory's proprietary modeling technology captures every tube, transformer and transistor of the originals! Plus the software adds sidechain support and perfect stereo tracking—two features not available in the "vintage" domain.

#### Urei 1176



*The 1176's classic compression action works magic on any voice or instrument.*

#### JOEMEEK Compressor



*Add a little magic to your mixes with the JOEMEEK SC2 Compressor.*

#### JOEMEEK SC2 Compressor

Legendary producer Joe Meek used to say: "If it sounds right, it is right." Nowhere is this more apparent than in Joe Meek's masterful use of non-linear, sometimes severe compression in his productions. Designed purely as an effects compressor, the JOEMEEK SC2 change the way the ear perceives sound. It changes the clarity, balance and even rhythmic feel of music. And by offering sounds no other compressor would dare, give your tracks an undeniable edge. In use by top producers the world over, JOEMEEK Compression is the secret weapon that gives your sound the character and excitement it deserves.

#### JOEMEEK Meequalizer



*The JOEMEEK Meequalizer offers simple controls and incredibly warm, musical results.*

#### JOEMEEK VC5 Meequalizer

Picture this: drums in the spare bedroom. Microphones, cables, and recording gear strewn about the living room. A familiar scene, especially to legendary producer Joe Meek in 1962 as he prepared to record yet another chart-topping hit. Among countless other achievements, Joe Meek built custom gear to get the sounds in his head onto tape. Once device was a treble and bass circuit with a sweepable mid control.

The JOEMEEK Meequalizer re-creates the exact circuit used by Joe Meek. A great-sounding, easy to use equalizer. Try it on mono or stereo tracks! Don't forget, it was designed by a studio legend.



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# BOMB FACTORY

## 'CLASSIC' PLUG-INS

### moogerfooger

*Authentic analog designs from electronic music legend Bob Moog, built with amazing Bomb Factory digital technology! Moogerfoogers combine the best features of audio effects and vintage synth modules, opening new frontiers for sonic exploration. All are available separately, or together in a specially-priced bundle.*

#### Lowpass Filter

The moogerfooger Lowpass Filter features a 2-pole/4-pole variable resonance filter with envelope follower. Use it to achieve classic '60s and '70s sounds on bass and electric guitar, or dial in warm, fat analog resonance on any instrument.

#### Analog Delay

The moogerfooger Analog Delay is simply the coolest (and warmest sounding) delay in the digital domain. Due to component shortages, fewer than 1,000 "real world" units will be made. Bomb Factory snagged serial #1 and meticulously modeled every detail of Dr. Moog's classic analog design. Wait until you hear it!

#### Ring Modulator

The moogerfooger Ring Modulator provides a wide-range carrier oscillator and dual sine/square waveform LFO. Add motion to rhythm tracks and achieve radical lo-fidelity textures — you set the limits!

#### 12-Stage Phaser

The moogerfooger 12-Stage Phaser combines a switchable 6- or 12-stage phaser with a wide-ranging variable LFO. Start with subtle tremolo or radical modulation effects, then crank the distortion and resonant filters for unbelievable new tones — all featuring classic MOOG sound.

#### Lowpass Filter



#### Analog Delay



#### Ring Modulator



#### 12-Stage Phaser



### Who is Bomb Factory?

*Assemble a team with a proven history of developing award-winning, legendary audio products. More than 100 years combined experience designing real-world equipment. Add in a range of recording studio experience. People who've produced, engineered, and performed on countless recordings. The result?*

*Digital audio tools that don't sound like they limped out of some computer programmer's cubicle. Analog meters with proper ballistics. Faders with correct logarithmic tapers. Filters that sweep, resonate and oscillate. And knobs that actually turn in the direction you want them to go. Combine that core competence with some of the best creative thinking in the industry. Computer models which incorporate physical simulations of motors and pulleys. Distortion that growls the right way when you crank it up. On-screen control with scratches and dents, casting shadows that move as you turn the knob. Bomb Factory doesn't make "plug-ins". They make tools that let you get the job done. They sound great, look great, and work the way you'd expect a professional piece of gear to behave.*

# BOMB FACTORY

## 'CLASSIC' PLUG-INS

COMPUTER SOFTWARE

1062



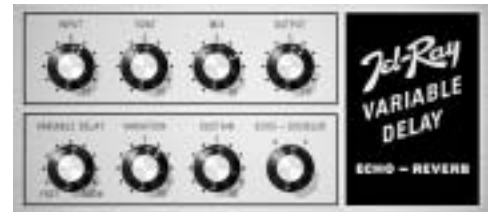
### SansAmp PSA-1

The SansAmp PSA-1 provides the widest range of amplifier, harmonic generation, cabinet simulation and equalization tone shaping options available. It appears on literally thousands of recordings, used on everything from guitar and bass to drums and harmonica!

All 49 original SansAmp presets — featuring Marshall, Mesa Boogie, Hiwatt, Fender Lead, Rhythm and Bass; and Ampeg SVT sounds — are faithfully and authentically recreated. Explore dozens of new presets contributed by well-known artists and producers, then create your own unique tone!

### Tel-Ray Variable Delay

In the 1960s, a small company experimented with electronics and technology. When they came up with something great, they would Tell Ray (the boss). One invention involved a tuna can, a motor, and a few tablespoons of cancer-causing oil. A technology, they were sure, that would be of great interest to companies like IBM and NASA. Though it never made it to the moon, the killer technology that gives Tel-Ray its unique sound was licensed by most every major guitar amp manufacturer! Ad-N-Echo to any voice or instrument using the Tel-Ray Variable Delay. It provides lush delay, amazing echo, and warms up your tracks and mixes.



### Voce Spin

From Voce, classic effects that sound great on any instrument. Voce Spin provides the most accurate simulation of the well-loved rotating speaker. It's a favorite of producers, guitarists, and, of course, organ players. Fifteen classic recording setups feature different speaker cabinets, varying microphone placement — even the "Memphis" sound with the lower drum's slow motor unplugged! No belts to tighten, not tubes to wear out—just choose a preset and get the sound of a professionally-miked rotating speaker; instantly. Or customize exactly the sound you want using over a dozen fully automatic parameters.

Voce Chorus/Vibrato recreates the B-3 Organ's mechanical scanner vibrato. Three settings of Chorus and three settings of Vibrato on one cool knob. Fun and easy to use, it's a classic effect used for over sixty years. Talk about vintage!

### Fairchild 660 Compressor

Designed in the early 1950s, the Fairchild 660 is a variable-mu tube limiter. It features an unusual form of vacuum tube that is capable of changing its gain dynamically. The result? In addition to featuring a tube audio stage like an LA-2A, the Fairchild actually achieves gain reduction through the use of tubes! Bomb Factory's no-compromise replica captures every detail of this legendary piece of studio gear. But unlike the original, Bomb Factory's version is affordable enough that real musicians can afford to own one. Run a dozen or more at once — even in stereo — using any Pro Tools or MOTU system.



### Pultec EQP-1A Equalizer

The Pultec EQP-1A provides smooth, sweet EQ and an extremely high-quality tube audio signal path.

And like most studio classics, it's incredibly easy to use. Grab a knob, give it a twist, and it just sounds great. Every time.

Bomb Factory's award-winning digital modeling expertise — combined with pro studio engineering chops — delivers the sounds you know and love. Use it anywhere you'd use the original: on individual tracks, critical vocals, or even across a stereo mix for mastering applications.



EQUIPMENT LEASING AVAILABLE

# BOMB FACTORY

## 'CLASSIC' PLUG-INS

### BF Essentials

A full suite of time-saving, trouble-solving studio essentials— for under \$100.

#### BF Meter Bridge

The BF Essential Meter Bridge provides Bomb Factory's best-of-breed analog metering on any channel, using minimal DSP resources. Avoid flickering green lines and blinky fake LEDs, and enjoy the ease of use afforded by a needle, a big meter, and the only company that bothers to pay attention to the decades-old standard for meter ballistics. Select RMS or Peak metering, and calibrate instantly for useful viewing at any signal level, just like a pro tape machine.



#### BF Essential Tuner

Until now, plug-ins could emulate every guitar amp and speaker cabinet known to man, but couldn't tune a guitar. Problem solved with the BF Essential Tuner.

The BF Essential Tuner uses the power of TDM and modern host CPU's to track better and tune faster than any of those battery-eating handheld gizmos. It works great on bass, electric guitar, vintage synthesizers— you name it.

#### BF Clip Remover

The BF Essential Clip Remover repairs clipped audio recordings. That red light no longer means a lost take! You'll be amazed how quickly this essential tool can repair clipped recordings. Best of all, it's way faster and more accurate than using the pencil tool. Set your levels very carefully. But when you blow it... try the BF Essential Clip Remover.

#### BF Essential Correlation Meter



Solve tracking and mix problems, and troubleshoot phase coherency using the BF Essential

Correlation Meter. It works on stereo tracks or stereo submixes. Stop phase problems before they start!

#### BF Essential Noise Meter

The BF Essential Noise Meter is three meters in one!

- Set to "A" it's an A-weighted noise meter
- Set to "R-D" it's a Robinson-Dadson equal-loudness meter
- Set to "None" it's a VU meter with 100dB of visual range!
- ◆ Mono and stereo versions included.

#### Funk Logic Mastererizer



A mastering tool of unprecedented quality for MOTU Digital Performer, Digi 001, Pro Tools MIX, and Pro Tools HD users. Developed in partnership with Funk Logic, the Mastererizer high-quality potentiometers — constant impedance audiophile-grade components produce no crackles or noise. Hard knee or soft knee? It's a tough question to answer. The Funk Logic Mastererizer solves the problem by not having a compression section at all. It's fully automatic and simply "does the right thing."

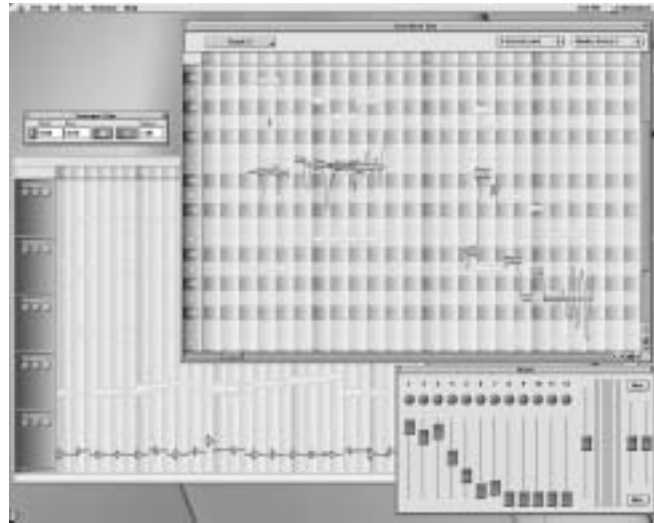
- ◆ The Mastererizer delivers Bass Authority, which allows it to go from subsonic woofer-shaking to bass tones without adjustments in gain on the track.
- ◆ Mastering-quality UV Meters: Superfast slew rates offer the benefit of Peak Metering with the convenience of RMS math. Plus you can calibrate -12, -18, or -24 equal to -0dBSPF.
- ◆ Hundreds of presets for every type of music: Finding the sound you want is easy, as nearly every possible combination of knob settings has been replicated in the preset menu.

# CELEMONY

## MELODYNE

### *New Dimension in Audio Recording*

*Melodyne offers a completely new approach to the handling of audio material. It analyzes the pitch and time of monophonic audio files (for example, from, singers, wind or string instruments) and offers the opportunity to change whole melodies in a way only previously possible at MIDI-Level. Melodyne is able to change the musical parameters of voices or instruments without any actual influence on the character of the recording. Melodyne extracts the pitch and the rhythm, and provides an area in which to play with the audio material. Any change in this material is interpreted by the software in a musically intelligent manner and the result will always sound natural. Working with Melodyne is as easy as editing notes with MIDI.*



### FEATURES

- ◆ Melodyne detects the melody of any mono audio recording and extracts its notes. The tempo, pitch, formant, quantization and time position of these notes, can all be edited as easily as if it were MIDI data.
- ◆ Pitch Shifting and Time Stretching are automatically treated as completely independent parameters
- ◆ Detected notes can be moved arbitrarily with the mouse in pitch or time, or can snap to any musical scale.
- ◆ The tempo of an arrangement can be changed arbitrarily while playing, in a tempo range of  $\pm 50\%$  changes without any noticeable artifacts.
- ◆ You can create new melodies and correct intonation problems with a mouse click — Pitch shifting and formant correction by more than an octave can be achieved without affecting sound character and velocity.
- ◆ Control over formant (resonance volume) allows you to transform a trombone into a trumpet or a tenor into a soprano voice — important for preserving the quality of an audio file that is being pitch-shifted.
- ◆ Copy and paste a melody numerous times to create lush harmonies and use formant correction to give each harmony the appropriate timber for its range.
- ◆ A new melody can be derived from single notes or a new arrangement can be created from single tracks via copy and paste. Differences in beat will be corrected automatically.
- ◆ Variations in intonation can be achieved by an increase or decrease in phrasing or vibrato.
- ◆ The rhythm of an audio file is recognized, as each given note “knows” its place within a beat. Notes can be quantified automatically, and they can also be synchronized to a reference melody with a mouse click.
- ◆ When applying pitch changes to notes, even with extreme pitch changes, the internal phrasing of a note, e.g. vibrato, and the transition between notes will retain its musical musically intact. So between the notes of a melody it will hardly be perceived that the melody was not played that way originally. Melodies can be rearranged by copying and pasting notes, or multiple voicings can be realized by copying a melody to new tracks.
- ◆ Flexible time-stretching allows acceleration and deceleration of a single note or of a whole arrangement through the concept of local sound. There are no limits to deceleration, and a standing sound will be the ultimate result when velocity is zero.
- ◆ Supports up to 24 tracks in real time.
- ◆ Single tracks can be recorded within Melodyne, or can be imported from other recording programs.
- ◆ VST2 and Audio Unit plug-ins can be loaded, plus single tracks can be routed to an external mixer via ASIO or Core Audio.
- ◆ The mixer section features an EQ section with support for submixing-groups.
- ◆ MIDI integration allows you to use a MIDI keyboard or controller to edit and mix.
- ◆ Audio can be routed to your DAW software via ReWire or you can save tracks as single audio files for processing in other recording programs.
- ◆ The detected melodies can be exported as a MIDI-File to be viewed in a notation program or to be used in a sequencer software.

#### System Requirements:

- ◆ PowerMac, Mac OS 9 or X and 128 MB free RAM (256 or more recommended)
- ◆ Windows 98, ME, 2000 and XP with PIII400 class processor and 128 MB of free RAM (1GHz and 256 MB recommended).
- ◆ Supports DirectX, SoundManager, ASIO2, and CoreAudio for sound I/O and many audio formats (WAV, AIFF, SD2, SND, AU).



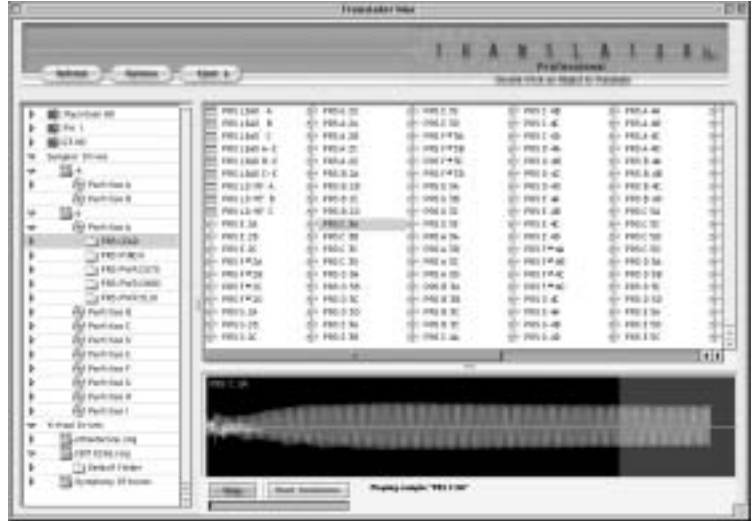
For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# CHICKEN SYSTEMS

## TRANSLATOR

### Universal Sample Convertor For Mac and PC

Translator is an easy to use sample format convertor that will take almost any major professional disk and file formats and allow you to translate between them. That means reading, interpreting, and writing between different systems. Translator uses an intuitive "Windows Explorer-style" interface and conventional drag and drop methods to translate between just about every professional sampler format available. A wave player allows you to audition individual samples. Translator converts samples and their associated programs quickly and accurately with a minimum of fuss. You can even create disk images, based on proprietary sample formats, and burn them to CD using your CD burning software. Whether you are working in multiple sampler formats or migrating from a hardware to software based sampling, Translator offers you a flexible and hassle-free solution.



COMPUTER SOFTWARE

1065

### FEATURES

#### Reads and Writes ALL Popular Sample Formats

- ◆ Convert one Sample, one Preset, one Bank, or an entire CD-ROM from any professional format into any other.
- ◆ Translator allows your computer to mount your sampler's proprietary formatted ATAPI, SCSI and USB drives, including fixed, CD-ROM and removable drives.
- ◆ Program parameter information is translated as well as the samples and structure - wavedata, keymaps, looping, effects etc...
- ◆ Supports 8-bit, 12-bit, 13-bit, 16-bit, 24-bit, and 32-bit files

#### Unique Two-Way Interface

- ◆ Translator's exclusive "Windows Explorer-style" Two-Way Interface makes sample conversion simple: Select what you want to translate on the right; Drag it over to the left; Decide what you want to translate to and you're done (In fact, you can pre-select the destination format.
- ◆ You can drag and drop any level of file - a single sample; a program, instrument, or preset; banks, volumes, or whole directories; or even entire disks.

#### Wave Player

- ◆ The built-in Wave Player allows you to audition individual samples from within Translator. This works on samples from any format and any disk.
- ◆ The full sample is displayed along with the loop area (if there is one).

#### Translation Compatibility

Akai	read/write
Roland	read/write
Emu	read/write
Kurzweil	read only
Ensoniq	read/write
EXS-24	read/write
Giga	read/write
HALion	write only
SampleCell	read/write
SampleTank	write only
Reaktor	read/write
WAV/AIFF/SND/KSF/S	read/write
Pulsar	read/write
MESA	read/write
Triton	write only
XV-5080	write only
ASR-X	write only
SoundFont	read/write

#### Virtual Drives

- ◆ Translator allows you to make Virtual Drives, which are essentially large single files, or data images, that appear as SCSI-ATAPI Drives formatted with whatever proprietary format you want (Akai, Roland, Ensoniq, Emu).
- ◆ You can use a Virtual Drive to compile a disc image in any proprietary format and then burn it onto a CD-ROM, using any CD Burning program that will recognize raw disc images (most do).

#### Translation Special Editions

- ◆ If you only need to translate samples and programs into only one specific format, you might want to consider the Special Edition of Translator, which will translate from all available sources to one specific destination.
- ◆ Special Editions currently available are the Translator EXS-24 Edition, HALion Edition, SampleTank Edition, and SampleCell Edition.
- ◆ Each Special Edition version is dual-platform - for one price you can use the program either on Windows or Mac.

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com



# EASTWEST/QUANTUM LEAP

## SYMPHONIC ORCHESTRA

COMPUTER SOFTWARE

1066



*Symphonic Orchestra was recorded where orchestral instruments sound their best - in a concert hall. Listen to the beauty of the critically-acclaimed Symphonic Orchestra and state-of-the-art \$125 million concert hall that were captured, using custom built recording equipment, by audio legend - Prof. Keith O. Johnson - recipient of two Grammys, plus eight additional Grammy nominations for his 90-plus classical recordings.*

*Available in four versions (Strings, Woodwinds, Brass and Percussion, or as a complete collection), these are the first 24-bit orchestral sample libraries to include three simultaneous stereo mic setups (close, stage and hall), so users can mix together any combination of mic positions to control tonality and ambience. A major benefit of this recording philosophy is the tonal control the three simultaneous stereo tracks provide. Users can literally alter the tone and ambience of any instrument or section by incrementally moving out from the close mics, to the stage mics, to the hall mics (an audio zoom) in real-time!*

### FEATURES

- ◆ The “Virtual repositioning of the listener” in a concert hall environment offers a surprising amount of tonal control, virtually eliminating the need for EQ; and the ambient control, using any combination of the three stereo tracks (the close, stage and hall mic setups), eliminates the need for artificial reverb— which usually sounds artificial.
- ◆ Create the sound “you” want. With other orchestral libraries, you get what they give you, and apart from adding reverb and EQ, you have virtually no control over the sound of the instruments. The control of tonality and ambience in the Symphonic Orchestras enable each user to “design” the sound of the orchestra to suit the work that is being created— no other collection offers this!
- ◆ Say goodbye to lifeless, dry studio recordings. Use the stage mics for a typical big Hollywood sound; boost certain instruments by adding a hint of the close mics; add in the hall surround mics to create a surround sound mix, or to add natural hall reverb.
- ◆ In addition to this unprecedented control of tonality and ambience; the real ambience of the hall, combined with the automatic sample switching of up and down strokes that is built into the Native Instruments audio engine and interface (supplied with each volume of the library), eliminates the “machine gun” effect when playing fast repetitions.

*Each volume comes as a virtual instrument which includes a high-performance Native Instruments interface powered by the efficient Kontakt audio engine (including Direct-from-Disk streaming) for Mac and PC.*



- ◆ All of the players were recorded in position. All of the instruments and sections were chromatically sampled, with multiple dynamics, with extremely dynamic and expressive articulations, and although the library is huge, it has been programmed to be “extremely easy to use”.
- ◆ Each virtual instrument combines intuitive handling with excellent sound quality, and functions as a plug-in instrument, without the need for a sampler, in hosts such as Cubase VST, Digital Performer, Logic, Nuendo, Pro-Tools, Sonar etc.
- ◆ Many sound shaping tools are built in to the interface. Powerful multi-mode filters, envelopes, and LFOs give a wealth of creative possibilities. Integrated high-quality reverb, chorus, and delay effects are also provided.
- ◆ Direct from Disk playback easily handles large samples beyond available RAM (which is assignable).
- ◆ Professional sound quality with advanced 32-bit processing; eight-part multitimbrality and 256 voice polyphony allow for lush arrangements. The clean and intuitive interface never lets the technology get in the way of your creativity. All important instrument parameters can be immediately adjusted without the need to page, scroll, or fumble through a manual.
- ◆ Supports VST 2.0, DXi, Soundmanager, ASIO, FreeMIDI, OMS, Audio Units, Core Audio, RTAS. Sound libraries can also be loaded into other Native Instruments samplers and KONTAKT (v1.3 and up) for more flexibility and more options for working with the material.



# EASTWEST/QUANTUM LEAP

## STORMDRUM



*Stormdrum features 4 world-class percussionists and a lunatic producer with enough taiko drums to fill an 18 wheeler. Recorded at the Record Plant, Studio A, this library contains an amazing 4.5 GBs of loops and multi-samples. There are 1000's of completely original, evolving drum beds, featuring some of the largest and most impressive drums on the planet. Multi-sampled drum kits and percussion with up to 20-way velocity-switching, organic tech percussion, metal shop, big hits.*

- ◆ Stormdrum includes intense multi-sampled acoustic drumkits. Each drum has up to 24-way velocity switching, with left and right hand samples. There are subtle ambient versions and huge sounding versions as well.
- ◆ There are 18 snares. These have left and right hand samples from the inside and outside of the drum, as well as rimshots. A typical hi-hat contains 200 samples. There are 20 kick drums, 10 cymbals and 8 tom sets.
- ◆ Includes amazing new tech drums based on acoustic samples that have been manipulated and programmed with 8-way velocity switching for an organic-tech feel. There are also 100 metal shop samples and a large collection of monstrous hits.
- ◆ Also includes a breathtaking set of action toms for film work.
- ◆ Has an impressive collection of multi-sampled percussion. Typically, one drum is comprised of over 100 samples. The drums are, taikos, turkish bass drums, chilean bass drum, darubuka with rattle, cuban bongos, large african djembe, lion drum, belly drum, 2 talking drums, large bodhran, dumbek, shakers, talking coconut, chun-mo and frog.

### Stormdrum Loops

*As an example: Centrifuse contains 15 different 4 bar loops, including an intro, ending and remix.*

#### Action Beds

Centrifuse, Chain Reaction, Daredevils, Grand Theft, Kingpin, Manhunt, Prowler, Speed Freak, The Getaway, Violence

#### Big Beats

Basilica, Big Trouble, Bigshot, Conquest, Coot in the Shoot, Martyred Revolutionary, Red Leppelin, Righteous Hombre, Skywalker, Slippery Sam, Sloppy Jose, Spin It, Thrillsport, Up River

#### Ethnic Chase

Bazaar Chase, Camel Racing, Caravan, Carnival, Dark Towers, Horses, Imperial Alajah, Kvrumpaniil, Meca, Ongo Bongo, Opium Market, Panaang, Turbo Turban

#### Fastbreaks

Blackjack, Diamond Dog, Digital Bandito, Dingo, Dr. Schwarzbaum, Fasttrack, Gauntlet, Gravy Train, H763, Harry Nipfuls, Hornet, Knobby, Marge Da Barge, Momentum, Thorazine, Through the Ringer

#### Film Tech

Aang Djun, Admiral Synapse, Avalanche, Breeders, Countdown, Dark Ringer, Footsteps, Gobstopper, Graveyard Saviour, Green Goblin, Leppelin Island, Machine Chant, Magic Descent, Mean Machine, Mogaete, Petraglyph, Smack, Wall People

#### Thunderous

12 Shooter, Ape City, Around the Island, Assassins, Black Horse, Chariots, Clone Army, Deep Space, Dragon Beat, Min City, No Way Out, Pharoah, Pit of Fire, Re-entry, Sandstorm, Scottish War Drums, Seismic Cannon, Stormfront, Warhammer, Witness

### No Sampler Required!

Like the Symphonic Orchestra (previous page) the Stormdrum library includes NI's (Native Instruments') stunning state-of-the-art plug-in audio engine/interface specifically designed for rhythmic loop playback, manipulation, and mayhem.

The convenient one-screen interface is based on (and provides all the sound manipulation tools of) NI's INTAKT sampler, and features tremendous sound shaping abilities without disrupting the creative flow, including a first-class multimode filter, an envelope follower, two LFOs, effects, and more.

The loops have been set up so that they can be automatically synced to tempo, either via the Beat Machine or the Time Machine.

The Beat Machine has loops divided into their individual hits (slices) which means they can be played at a wide range of tempos without any change in pitch. It also allows the user to give each hit individual settings for pitch, playback direction, pitch envelope, amp envelope, distortion, delay, and more; a MIDI file of each loop can be easily exported so that groove, accent, and feel can be manipulated in any host sequencer. Time Machine time-stretches or compresses loops in real time.

Not only can you sync, stretch, and pitch the loops, but also filter, effect and modulate them as well! A powerful sound-shaping filter, flexible envelopes, syncable LFOs, and distortion, syncable delay, and lo-fi effects can inject even more energy and individuality into the loops.

Supports VST 2.0, DXi, Soundmanager, ASIO, FreeMIDI, OMS, Audio Units, Core Audio, RTAS. Sound libraries can also be loaded into other Native Instruments samplers and KONTAKT (v1.3 and up) for more flexibility and more options for working with the material.

# EASTWEST/QUANTUM LEAP

## AFROLATIN SLAM

COMPUTER SOFTWARE

1068



*This library is a "must have" for sound designers, music producers, musicians and DJs, who would like to inject an authentic Afrolatin feel into their projects. Over a period of two years, Francis and Makende, together with some very special friends, have put together this eclectic selection of rhythms, loops and hits. Most of the rhythms were recorded at Sultan Sound studio in London, but some were recorded in the field, in Africa and South America, preserving the original local ambience.*

*Instruments included are : Djembes, Congas, Bongos, Tam Tam, Dondo (talking drum) Timba, Surdo, Rebolo, Cuica, Pandeiro, Berimbau, Timbales, Tongue Drum, Sanza, Cavaquinho, Repico, Tamborim, bells, Shakers and many other more obscure instruments.*

- ◆ Over 300 loops and samples, comprising more than 600 MBs of sounds. The rhythm loops range from frenetic West African Kpalogo, to pulsating Afro-latin grooves.
- ◆ All loops are classified by region, tempo in BPM and key, if a melodic instrument. Most of the 'studio' loops start with a full versions of the loop and are then broken down into individual elements or 'construction kits'.

### CONTENTS:

#### **African Section:**

Sounds from the Congo, Côte D'Ivoire, Ghana, Nigeria and more, including Afrobeat, Afrofunk, Juju, Afrolatin Fusion, Afrobossa and more.

#### **South American Section:**

Batucada, Berimbau, Caxixi, Candomblé, Chôro, Forró, Frevo, Makumba, Maracatu, Pandeiro, Salsa, Samba, Carribean soca.

#### **Instruments & Individual Hits Section:**

African Percussion, Balafon, Brazilian Percussion, Kalimba, Molo, Toy Percussion.

#### **Misc Loops & Hits Section:**

Classic Break Beats, Funky Dread Drums, Vintage Breakbeat, Funky Jazz Breaks, Garage beats, Dark Drum'n Bass, Vintage Drum n' Bass, and more!

## NU JOINTS

*Nu Jointz is the long awaited sample library by Vinnie Zummo who created the multi-key award-winning NY Cutz series. This New York City joint is filled with 64 thumpin' construction kitz, over 200 drum loopz in every tip including tiny-fi, mid-fi, lo-fi & hi-fi akoustik drumz, strait ahead hip hop MPC groovez, slammin' R&B, funk, & strait and wak drum machine loopz.*



There are hundreds of new funky buttah loopz including fuzz bass, akoustik bass, stank piano, frequency loopz, old recordz, lounge recordz, over 60 introz & breakz, over 90 individual drum samplez, over 90 skank guitar lix, over 60 fonky trombone lix, muted trumpet lix, a brand new tip, the totally madd Bass In Da' Room Next Door (just what it soundz like!) plus lotz more insanity in that bitin' NY Cutz flavah than we have room to mention here. Over 150 minutez of new flavah. If you're tired of those lame ass kokonut loopz that are out there and want your trax to be keepin' it tite, check out Nu Jointz. and bring some NYC stylin' to your next track.

## KONCEPT & FUNCTION

*Koncept & Funktion is an underground drum & bass sample library produced by David & Nic Higham in the UK. It features over 500 MB of brand new D+B material including 20 construction kits, plus a huge selection of driving Beats & Loops, Bass Loops, Drum Kit Sounds, Dark FX, Hits FX, Industrial FX, Loop FX, Noise FX, Space FX, Sweep FX, Liquid Funk Loops, Organ Loops, Pads, Pad Loops, Pad Sweeps, Synth Loops, Female Vocals, Spoken Vocals, and Vocal FX.*



You'll feel like you've died and gone to heaven when you get your hands on this creative and highly useable drum & Bass toolkit, which provides everything you'll need to start exploring the genre. You will find yourself creating great tracks after loading only a few patches and you'll be hard pressed to tear yourself away from your sampler at all! Even if you're not interested in drum & bass, there's enough variety and flexibility to make this collection worth investigating for all kinds of music. D & B producers will find plenty to keep them happy and the interface is so user-friendly and powerful and gives so much scope for experimentation that you're likely to find themselves conjuring up a masterpiece before you know it.



**ONE HOUR FREE PARKING**

AT 349 W. 34th STREET (with purchase of \$100 or more)

# EASTWEST/QUANTUM LEAP

## THE OPERATING TABLE



*A stunning and amazingly flexible library of breaks with irresistible feel and compelling usability, from Emre Ramazanoglu (Return To The Planet OF The Breaks). All the breaks derive their feel and sonic basis from live drumming technique (though some are creatively processed), and were performed by one of four featured drummers (Emre Ramazanoglu or Dave Westlake, with contributions from Jack Yglesias and Steve Ashmore). The recordings were made in London at Metropolis, Padded Cell, Walworth Cage, Triangle, and Line of Flight.*

'The Operating Table' was conceived as an alternative to genre-based sample CD's, offering sample-accurate live drum loops with an equal emphasis on diversity of sound and quality of performance. The emphasis has been on creating unique-sounding breaks through extremely creative processing techniques, but with the real feel of a performance to them.

The performances range from four bars to extremely long, and each changes and evolves, providing multiple loop variations. Real kits are the foundation of the sound of each break, although some incorporate additional live triggered analog drum machines or software triggered sounds. Each bar of each break has been designed to loop perfectly as a 1 bar break (sample accurate BPM), or as part of the whole evolving sequence.

## PERCUSSIVE ADVENTURES 2

*Producers Kurt Wortman and Tony Humecke have gone all out to offer the maximum flexibility. For example, multiple alternate mixes of each loop are presented to enable users to customize the loops to work with their track, or use as building-blocks for new compositions. Includes 5.3 GBs of multi-layered percussion compositions for multi-media productions. Large percussive soundscapes are included covering most styles of music.*



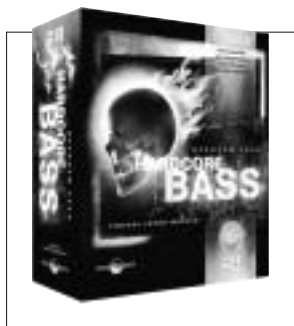
## WIRED

*Wired is a massive and exclusive sound archive from Zero-G that provides every constituent you need to make the perfect trance track. This huge collection includes just about every 4/4 percussion combination that you can imagine. There are also great acid lines, full of energy and vibe, and easy to edit. The pads, pad loops, synth lines and bass loops will help you muster your last ounce of euphoria. There are also loads of effect stabs and snare rolls plus a huge selection of vital drumkit sounds.*



COMPUTER SOFTWARE

1069



## HARDCORE BASS

*From Quantum Leap producers Nick Phoenix and Pierre Martin, Hardcore BASS includes 2.2 GBs of mix dominating, teeth shattering, hardcore electric bass recorded through massive ampeg bass rigs with the volume turned up to 11! All samples are taken from musicman stingray & lakland 5594 5 string basses using different pick-up and amp settings. Every conceivable articulation of picked and fingered, muted, open, scraped, and mutilated bass - 6,600 multi-samples!*

- ◆ Advanced programming includes keyswitching, release samples, automatic alternation of up and down picking, chromatic slides, legatos, effects and staccato stopping.
- ◆ No sampler required. Includes a custom high-performance Native Instruments audio engine and interface for Mac and PC
- ◆ The audio engine functions as a plug-in instrument, without the need for a sampler, in Cubase, Digital Performer, Logic, Nuendo, Pro-Tools, Sonar etc.
- ◆ Powerful multi-mode filters, envelopes, and LFOs give a wealth of creative possibilities. Integrated high-quality reverb, chorus, and delay effects are also provided.
- ◆ Direct from Disk playback easily handles large samples beyond available RAM (which is assignable).
- ◆ Advanced 32-bit processing; eight-part multitimbrality and 256 voice polyphony allow for lush arrangements. Parameters can be immediately adjusted without having to page, scroll, or fumble through a manual.

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • [www.bhphotovideo.com](http://www.bhphotovideo.com)



# IK MULTIMEDIA

## AMPLITUBE

COMPUTER SOFTWARE

1070



### Physically Modeled Guitar Array

*AmpliTube is a guitar amp modeling plug-in for VST and Pro Tools (RTAS and HTDM) users (Mac or Windows). AmpliTube comprises three separate modules — an Amp module, a Stomp Boxes module and a Post FX module. The Amp module offers you numerous models of both modern and vintage PreAmps, EQs, power amps and speaker cabinets as well as mic emulation to produce a whopping 1260 amp combinations. The Stomp Box module features models of five of the most popular effects including Wah-Wah, Delay, Flanger, Chorus and Overdrive. Post FX include a 3-band parametric EQ, stereo reverb and stereo delay. AmpliTube's highly innovative approach to amp modeling and the availability of all the guitar chain effects, makes it the ultimate software for any guitarist who needs the widest range of guitar sounds from clean to heavily distorted, from dry to fully effected, from rock to jazz.*

#### Amplifier Module

- ◆ The heart of the software, the Amp module has been designed using sophisticated modeling techniques, based on vintage and modern must-have amps including Marshall, Fender, Vox, Mesa/Boogie and many more. Its 32-bit floating point processing ensures for the most accurate amp emulations and offers an incredible realism ranging from solid state to true tube amps modeling. Mic modeling (condenser/dynamic), position and distance, as well as Tremolo and Spring Reverb are also included.
- ◆ AmpliTube comes with 200 presets for all the classic amp and guitarist sounds you've ever wanted. Fully editable. Craft your sound, save it and get it back with a single click! No more hours wasted trying to remember how you created that once-in-a-lifetime sound!
- ◆ Play it live! Using low latency card AmpliTube can be played live with the same feeling of having a big stack one foot away!
- ◆ AmpliTube offers the best sounds of and hardware or software amp simulator on the market. A-B comparisons show a realism and a dynamic which cannot be found anywhere else - plus an unmatched frequency response. It will be just like recording the real thing!
- ◆ Play AmpliTube live with full MIDI control (on Windows-ASIO cards). Simply download the free RT Player LE (by DSOUND) and you'll be able open AmpliTube VST and control it using a standard MIDI foot controller, including the possibility of switching presets!



Freely combine the 7 different preamp models, 5 EQs, 4 power amps, 9 cabinets and 2 mic models in order to craft amp sounds ranging from the emulation of the most acclaimed modern and vintage amps plus being able to build completely new configurations. The combination of these settings offers a total of 1,260 different amp configurations.

#### Pre-amp Models:

Solid state clean, Vintage clean, Tube clean, British crunch, Modern hi-gain, Solid state lead, Fuzz

#### EQ Models:

Tube american, Tube american 2, British class A, Tube british, Tube british 2

#### Power Amp Models:

Solid state 30W, Solid state 100W, Tube 100W, Tube 50W

#### Cabinet Models:

- Small combo  
- Open back 1x12"  
- Open back 1x12" II  
- Vintage open 4x10"  
- Modern closed 4x10"  
- Vintage closed 4x12"  
- Modern closed 4x12"  
- British 2x12"  
- No speaker

#### Post FX Module

The Post FX module includes 3 stereo post-effects with 3-band parametric EQ, Stereo Delay and Stereo Reverb, bringing to 10 the number of different effects included in AmpliTube.



#### Stomp Box Module

The Stomp-box module offers the emulation of 5 effects including Wah-Wah, Delay, Chorus, Flanger and Overdrive modeled after some of the great classic guitar effects.



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# IK MULTIMEDIA

## T-RACKS



### All-in-One Analog Modeled Plug-in Dedicated to Mastering

If you record music with digital gear, you know how challenging it can be to get that warm, broad, analog sound. T-RackS has everything you need to create superb, tube-toned masters on your desktop. Its rich, warm sound starts with algorithms based on true analog circuitry. Its familiar interface makes it easy to control five powerful processors: a state-of-the-art EQ, a classic tube modeled compressor, a multi-band master limiter, soft-clipping output stage, and a complete mastering suite. Enhances mix frequencies, stereo images, dynamic range and gives your audio a seamless, top notch sound. With separate processors, astonishing warmth and ease-of-use, you'll be putting a polish on your tracks you may have never thought possible. All this, while adding the beautiful warmth and space of the tube devices it emulates. No other plug-in offers this kind of dedicated environment. Also available as a standalone mastering suite (T-RackS 24).

#### FEATURES

4 sound processors: with its great sounding, analog-modeled EQ Compressor, Limiter and the Soft-clipping output stage, T-RackS includes everything you need to create final masters. And not only does it sound analog, it acts analog! T-RackS is so easy to use because its interface resembles a typical rack of hardware with analog controls.

##### Equalizer

- ◆ State-of-the-art six band parametric EQ modeled on classic top quality analog gear
- ◆ 4th order parametric, High and Low pass filters
- ◆ Parametric Low-shelving control
- ◆ Parametric Lo-mid control with Low or High "Q"
- ◆ Parametric Hi-mid control with Low or High "Q"
- ◆ Parametric High-shelving control

##### Limiter

- ◆ Multiband master stereo limiter
- ◆ Ultra fast peak detection
- ◆ Overload for accurate control of limiting and saturation
- ◆ Soft clipping feature for warm analog emulation
- ◆ Comprehensive gain reduction VU
- ◆ Very accurate peak LED indicators at the outputs

##### Compressor

- ◆ Classic tube stereo compressor/leveler designed for mastering
- ◆ Vintage-style compression unit
- ◆ Classic warm "in-your-face" sound of old tube mastering levelers
- ◆ Very-soft knee compression with no threshold point
- ◆ Stereo-image width control
- ◆ Mastering-oriented variable time constants
- ◆ Comprehensive and accurate gain-reduction VU
- ◆ Ratio control

##### Soft-Clipping Stage

- ◆ Astoundingly musical and smooth performance
- ◆ Variable clipping shape (from hard clip to ultra-soft) for complete control and precision
- ◆ Easily increase gain with no compression or limiting artifacts
- ◆ Create warm, saturated mastering effects

##### Professional Metering and Monitoring

- ◆ Responsive analog VU's
- ◆ "Over" LED precisely shows when the master has "overs"
- ◆ Ultra-fast and accurate pop-up digital peak meter with hardware-like performance
- ◆ Mono, stereo and difference monitoring to check the master for mono-compatibility and stereo image coherence, like in high-end consoles
- ◆ x10 switch on the peak meter makes very easy to evaluate the level in the "critical zone"

##### Additional Features

- ◆ High quality real time preview and processing
- ◆ Supports 24-bit AIFF, Wav and SDII files for importing and exporting.
- ◆ High Order 32-bit internal resolution: with 32-Bit floating point resolution, T-RackS uses the best possible method to physically model analog components, resulting in an amazingly real tube sound. Only without the noise!
- ◆ 32-bit floating point internal processing for amazing audio resolution and true analog simulation
- ◆ Analog modeled animated interface
- ◆ Time-line markers to facilitate the immediate recall/play of mixes
- ◆ Control snapshots to recall entire set-ups with just one click
- ◆ Graphical built-in help, extensive manual and tutorial
- ◆ Presets included
- ◆ Drag-and-drop text parameter list can easily change the default architecture of T-RackS to achieve the finest special settings
- ◆ Compatible with all popular audio cards
- ◆ 8 amazing "vintage" skins
- ◆ Fade-in/fade out, loop and scrollable preview

# IK MULTIMEDIA

## GROOVEMAKER

COMPUTER SOFTWARE

1072



Everything you do in GrooveMaker is done in real-time, without ever having to stop the music. It's like working with a real instrument! You can add, remove, and replace single or multiple loops as you listen, so there's no stopping your creative flow. Remixing is a breeze and a totally new experience. This make the composition as easy as drag and drop always with immediate editing possibilities. It puts you at the controls of the music. It's your mix, and it all happens in real-time. Just pick a drum groove. Layer on some loops. Change the tempo while the music never stops. Then save it all as a new remix!

### Loop Remixing Software

*GrooveMaker is revolutionary music software for creating hypnotic, non-stop electronic dance tracks, in real-time, with professional results. With GrooveMaker you have access to a completely new way of making music with loops. And "random mix generator" technology lets you automatically remix the included loops in virtually limitless ways.*

Import and match any audio file instantaneously (including WAV, AIFF, MP3) and export your mix using many different audio formats ranging from hi-quality CD to internet publishing, including MP3!

GrooveMaker comes with hundreds of professional drum grooves, synth pads, sound effects and ambient loops that keep the music going all night. Experiment with million possible groove combinations in every style. Whatever style turns you on (Techno, Jungle, Progressive, Dub, Acid, Ambient, Eurohouse, Drum 'n' Bass, etc.) it's all possible with thanks to the huge range of add-on professional loop CDs available.

### Virtual Synth Arpeggiator

A virtual synth arpeggiator is included to give your performance that rave impact! With 128 arpeggio presets and 150 expandable synth sounds and "smart note" indicators, it's the easiest way to play along GrooveMaker grooves. Up to 99 arpeggios can be marked and recalled on-the-fly with a single click.

### V-MIX

GrooveMaker also contains a virtual DJ offering the quickest way to produce not only a groove but a complete remix album with just one click!

V-MIX instantly assembles 4 random mixes with a simple click -that's it! Every time you click, another random song set is generated. Get hours and hours of instant remixes and never hear the same thing twice. When you hear something you particularly like, save and edit it in the GrooveMaker - or just let it groove all night long.

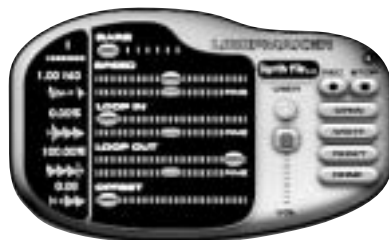
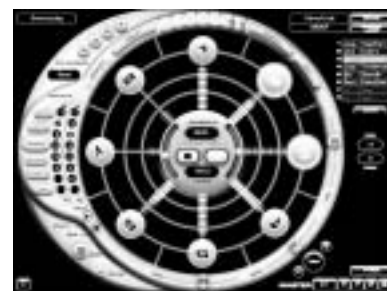
### GrooveMaker

GrooveMaker makes it simple to create instant high-quality dance music. You can play, mix and randomize your own grooves on the fly, with instantaneous control over 8 stereo loop tracks. Manipulate the instrumental loops in real-time! Separate volume, pan, solo and mute controls are at your disposal, giving you an intuitive environment to create stunning grooves.

You can even add your own samples! Shift the tempos (+/-40%) just like a DJ spinning live. With the randomization feature, you'll discover endless loop combinations and keep your sound fresh.

Every combination you hear can be saved on the fly, or marked for instant recall.

Assemble your marked grooves in the GrooveSequencer to create full-length remixes! Compose visually thanks to the visual pattern-based composition system integrated within GrooveMaker. This make the composition as easy as drag and drop always with immediate editing possibilities.



### LoopMaker

With LoopMaker you can load and resync virtually any audio file (including WAV, AIFF, MP3, QDesign,  $\mu$ Law, aLaw) with full control over duration, speed, loop-in/loop-out point and offset.

Everything is made in real time and modification are immediately applied while the music is playing in order to immediately resync any loop. It's even easier importing loop from sampling CDs! Make professional remixes in a snap or exchange audio material within different library styles to produce astonishing

hybrid mixes adding your personal touch. An unlimited number of loops can now be imported within each of GrooveMaker song putting no limits to your creativity. You can also record loops directly into your computer's audio input using your microphone or any other external devices. Recorded loops can be manipulated the same way of imported loops having them immediately playing within your groove session.



# IK MULTIMEDIA

## GROOVEMAKER

### TRANCE GRID

*Trance Loop Library*

Trance Grid pushes serious groovemaking to the limit. 2 mega-songs, of more than 120 loops each and with separate loops elements (BDs, snares and hi-hats), are able to produce a zillion numbers of trance grooves with the most complex and intricate rhythmic joints. The right fuel for your lead track.



### STREET VOICES

*Hip-Hop/Rap/R'n'B/Soul Loop Library*

Maximum vocals, hip-hop and rap. An explosive collection dedicated to the voices of the street. Groove to the interaction of extremes, from the ultimate urban styles to the smoothest R'n'B. These loud and luscious sounds combine in an explosion of 250 key and tempo-tuned, mixable loops, pre-grouped into 4 songs.



### HOUSE PARTY

*House Loop Library*

Pure house of the latest trend that will shake your speakers. Dynamite sounds and exploding drum loops to explore the latest dance floor contamination. Over 250 loops, pre-grouped in 4 songs. Bases, BDs, Effects, Loops, Synth Lines, Pads and Percussion all made with massive state-of-the-art gear. BPM range 120-127.



### AXE'

*Brazilian Percussion Loop Library*

Capture the allure and mystique of Brazilian rhythms with this special library of all the "batucada" instruments, mixable in millions of complex, pure carioca rhythmic textures. Over 250 loops, totally recombinable. 10 percussion banks. BPM range 120.



### TEKNOSTORM

*Techno Loop Library*

The raw energy of early techno, the monobeats of yore with a touch of eerie cyberfunk. It will hypnotize you. Over 250 loops, pre-grouped in 4 songs. Bases, BDs, Effects, Loops, Synth Lines, Pads and Percussion, all made with massive state-of-the-art gear. BPM range 140-180.



### DRUMBASSTIC

*Drum 'N' Bass Loop Library*

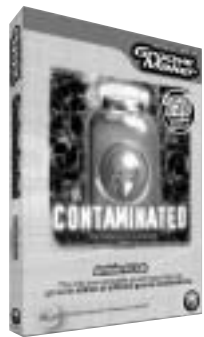
Nocturnal and soulful psycho-trance, enormous environments and irresistible tribal grooves. Incredible collection of radical soundscapes. Over 250 loops, pre-grouped in 4 songs. Bases, BDs, Effects, Loops, Synth Lines, Pads and Percussion, made with state-of-the-art gear. BPM range 70-180.



### CONTAMINATED

*Ambient/Dub Loop Library*

Metal dub, cool and aggressive uptempo beats. Features weird and chemically altered sounds. It's an enormous collection of phreaked out bass lines and alien noises. Over 250 loops, pre-grouped in 4 songs. Bases, BDs, Effects, Loops, Synth Lines, Pads and Percussion, all made with massive state-of-the-art gear. BPM range 85-135.



### EARTH BEAT

*Percussion Loops*

Percussive loops from around the world. African, asian and latin percussions tempo-matched and fully recombinable.



### STUN (Ilio Entertainments)

*Hardcore/Techno Loop Library*

A collection of dangerous, in-your-face technophobia. Tons of noise, super fast beats and other assorted chaos from world's sound best name ILIO Entertainments. Over 250 loops, pre-grouped in 4 songs. Bases, BDs, Effects, Loops, Synth Lines, Pads and Percussion, made with massive state-of-the-art gear. BPM range 80-150.



# IK MULTIMEDIA

## SAMPLETANK 2

COMPUTER SOFTWARE

1074



### Professional Plug-in Sound Module

A professional software sound module plug-in that integrates seamlessly into your favorite VST, RTAS or MAS compatible host application, SampleTank 2 combines a powerful sample-based synth engine with hundreds of top-class multi-sampled instruments. SampleTank 2 offers near-instant access to entire instruments each with up to four realtime effects and four sound shaping tools specifically tailored to enhance each instrument. Each instance of the plug-in is capable of producing 16 multitimbral parts and multiple instances of the plug-in can be loaded into your sequencer. Additional features include the ability to convert AKAI sound libraries as well as access to an ever growing range of Sampletank sound libraries. A unique search engine ensures that you'll find the sounds you're looking for quickly and easily while the RAM doubling capability allows you to load twice as many samples into memory than other hardware or software based samplers. Sampletank 2 is available in two versions:

SampleTank 2 XL with more than 650 top-quality sounds on six CDs and SampleTank 2 L with 200 sounds on 2 CDs.

### FEATURES

- ◆ 32-bit floating point processing with an ultra-accurate resampling algorithm make SampleTank 2 the best sounding sample-based module ever.
- ◆ Perfect integration within your sequencing environment with sample accurate timing, one-click project recall and digital track bounce—no hardware or driver problems and need to have an extra application running simultaneously.
- ◆ Uncomparable sound organization and super-fast sound loading lets you surf hundreds of high-quality sounds and play them in a fraction of the usual time. The intuitive layout of the sounds in categorized, alphabetical folders (which reflects the folder organization you have on your HD) lets you get the sound you want instantly.
- ◆ Each module (instance of the plug-in) allows you to access up to 16 multitimbral parts with up to 128 note polyphony and 4 stereo (8 mono) outputs
- ◆ Compatible with the AKAI S1000/S3000 sound library—the world's biggest. Using the included converter with full sound-program conversion and parameters link SampleTank 2 can easily import those sounds.
- ◆ Multiple SampleTank 2 modules can be instantiated per session, with support for a total of 64 separate outputs, limited only to your host software application's capacity and available CPU resources.
- ◆ 4 specifically tailored dynamic sound parameters and 4 effects with up to 5 parameters per effect, are automatically loaded with each instrument.
- ◆ Multi-effects include:  
Compressor, Equalizer, Reverb, Ambience, Reverb Delay, Delay, Filter, Wah-Wah, Chorus, Flanger, Autopan, Tremolo, Rotary Speaker, Lo-Fi, Distortion, Phonograph, Slicer, AM and FM modulation.

### RAM Doubling

- ◆ SampleTank 2 uses an exclusive method called 2Pack, which allows the playing of huge sample banks using only half the amount of RAM normally required. The result is huge sound capacity. You will hear more realistic sounds, programmed using more notes and full natural decays.

### Sounds

- ◆ They include an extra-large, ready to play collection of sounds, comparable to top-class sound libraries. Superb acoustic grand pianos, guitars, basses, strings, vocals, orchestral sounds, brass sections, woods, winds, drums, percussions and loops, etc. - all made with the finest samples and accurately programmed.

### Sequencer Compatibility

- ◆ Cubase VST (PC version 3.7.2 or Mac version 4.1.1 or later)
- ◆ Logic Audio (PC and Mac version 4.5 or later)
- ◆ MOTU Digital Performer 3.01 or later with MOTU Audio System 2.33 or later
- ◆ Cakewalk SONAR (using VST-DX Adapter from) plus any other sequencer (including n-Track, Orion, FruityLoops) compatible with VST/MAS instruments

4 years of work and hundreds of superb musicians and instruments were required to produce the astonishing sounds included in SampleTank 2. Recordings have been made around the world: russian strings, perfectly tuned german grand-pianos, Italian cathedral organs, tons of vintage electric instruments including electric pianos and organs, rare guitars, basses and drums. Accurately edited, programmed and digitally crafted in thousands of studio hours to obtain a realism and playability you thought it was not possible. Plus, a variety you won't find in any comparable product.



EQUIPMENT LEASING AVAILABLE

# IK MULTIMEDIA


## SAMPLETANK 2

### Conveniences

- ◆ Many times after playing a riff, you stop and look for another sound. Maybe similar to the one you started with, but different. You might even come back to the original in the end. But trying out new sounds is something that you do every single song, every single track. Many times. With Sampletank's Search Function, you can type in "lead" and a list appears before you of all lead sounds in the module. Synths, guitars, orchestral instruments. Every lead sound you have. Cruise through different palettes with one click.
- ◆ Each instrument in Sampletank automatically brings the tools you will need for it to you. You don't have to go through endless menus trying to find a way to shape your sound. Sampletank knows what you will need and intelligently gathers them for you. A synth lead has a certain set of tools needed. Acoustic orchestras need other tools. It's not just easier, it's faster.

### SampleTank 2 XL Include:

- 22 acoustic and electric basses
- 25 brasses including sax, trombon, trumpet, brass solo and section
- 53 drum kits, acoustic and electronic
- 39 acoustic and electric guitar
- 10 ethnic instruments
- 24 loop banks of D'n'B, House, Techno, Trance in construction kits with more than 500 loops
- 20 full orchestra sounds including string sections
- 15 acoustic and electric organs including B3, church, cathedral
- 29 percussion kits including Brazilian, Latin, African, Asian
- 20 pianos including concert grand, electric, electronic
- 148 synth sounds including bass, drums, lead, pad, percussions
- 31 strings including violins, violas, cellos, basses solo and sections
- 13 vocals including male and female choirs
- 4 woodwinds including bassoon, clarinet, flute, oboe
- Expand your sound arsenal with an additional 15 Sampletank native libraries



**Intuitive sound organization and super-fast sound loading**  
- Surf hundreds of high-quality sounds, categorized by user defined folders, with a few mouse clicks and play them in a fraction of the usual time.

**Search Function**  
Simply type in "lead" and a list appears before you of all lead sounds in the module, synths, guitars, orchestral instruments - every lead sound you have

The name of the current instrument along with a description of the four associated realtime control parameters

The four most important parameters for each instrument are automatically loaded to these controller knobs when an instrument is loaded. Each knob is controllable in realtime and automatable via MIDI.

16 part multitimbrality and 4 stereo (8 mono) outputs per module

- 4 realtime effects slots with a choice of 28 high quality DSP effects including rich reverbs and beat matched delays, filter, wah-wah, chorus, AM and FM modulation, flanger, autopan, tremolo, rotary speaker, lo-fi, distortion, phonograph and slicer.

- Up to five realtime parameters are provided for each effect. These parameters can also be controlled in realtime and automated via MIDI

- Compression and EQ are permanently assigned to the first slot.

- Instruments come ready to play with inspiring realtime effects tailored to that particular instrument - just like a hardware sound module.

### STRETCH Virtual Synth Engine

The advanced STRETCH Synth Engine allows you to instantly sync any loop to your sessions tempo or trigger complex harmonies from a single sampled vocal phrase or horn line, and each note will play in time.

- ◆ STRETCH is a new technology that uses a technique called Time Resynthesis to play adjacent samples in tune without changing the tempo. This provides full control over the tempo and pitch of the samples.
- ◆ Traditional samplers or sample-based sound modules produce adjacent notes by "resampling" the sample contained in the key note. To stay in tune, this old-style technology plays samples faster or slower, which is the reason many natural instruments lose their realism when played by a sampler or a sample-based sound module.
- ◆ Plus STRETCH expands sonic capabilities with full-control of an instrument's basic frequency distribution to tailor tone and push the limits of creative sound designing to an entire new level.
- ◆ Sync any loop tempo to a sequencer's tempo with one click. Full control over the loop's tempo and pitch make it easy to create the ultimate groove.
- ◆ Create rich harmonic parts and soaring choirs in a snap from a single looped phrase or drop in a sample of your singer and instantly turn it into a choir part.

# IK MULTIMEDIA

## SAMPLETANK 2

COMPUTER SOFTWARE

1076

### Plug-in Sound Modules

The range of SampleTank 2 sound modules combines a stadium full of world-class samples from the finest soundware houses, with SampleTank LE software for easy, affordable access to the world's most powerful virtual sound modules. A fully working SampleTank with 4-part multitimbral (instead of 16), 4 effects per voice selectable among 20 DSP effects and single stereo output, SampleTank LE works both as plug-in for VST/MAS/RTAS or SampleTank add-on sounds.



#### Loop Soup!

##### Multisamples

The ultimate dance loop library, this double CD set contains the loops from 'Skip To My Loops' by Norman Cook, 'Remix!' by Megabass, 'Kleptomania!' by Coldcut, and 'Pascal Gabriel's Dance Samples' plus all the loops from Now 1 and Now 2 by loads of the other AMG producers. All loops are tempo-grouped for easy sampling. Ideal set for anyone getting into sampling for the first time.



#### Terminal Head

##### Dance Sample and Loops

The world's first futurefunk sample CD. There are no rules. There are no BPMs. There are no keys. There is only the need for PuSHing the boundaries of people's perception into ways of creating music for tomorrow that fully embraces all technologies and forges solid bonds with all that is known to funk and groove. Totally unique, this CD has material born out of some very serious experimentation.

#### Brit Horns

##### Multisamples

Chromatically sampled Horn Sections and solo instruments from the legendary Thoms, Barnacle & Brooks brass section! This horn CD features trumpet, sax, and trombone - full sections in different combinations plus solos - all performed by three of England's finest horn players.



#### Earth Beat

##### Ethnic Percussion Loops

Percussive loops from around the world. African, Asian and Latin percussions tempo-matched and fully recombina-ble.



#### Trance Grid

##### Dance Loops

A very energetic trance loops library in construction kits with separate rhythmic elements which can be played as single instruments, including Bases, BDs, Snares, Hi-Hats, Effects, Synth lines and many more, or combined together. With 8 different sound and loop banks (over 250MB of samples), it generates zillion of trance grooves with the most intricate rhythmic combinations.



#### Tony Mason Drum Loops



Specially recorded 'black' grooves with attitude recorded in the UK and Caribbean. Tony Mason has produced a CD full of freshly recorded dance grooves with a classic feel. Many of the loops are presented in a number of variations for more flexibility when sampling. The whole CD was made using classic analog processing and recording equipment.

Features all the grooves sampled for easy loading plus 'chopped up' versions that come with associated MIDI Files and allow easy editing of tempos and patterns, switching sounds, editing

beats, or removing elements. In all there are 382 associated MIDI files. (A MIDI File disk is available in DOS or Mac format free with purchase.)

#### AXE' Brazilian Percussion Loops



With over 550 MB of sounds and loops, AXE' captures the allure and mystique of typical Brazilian rhythms and sound, containing all the instruments of the Batucada set such as Surdo, Tamborim, Pandeiro, Berimbau, Repinique, Guiro, Agogo and many others.

AXE' is available in construction kits, a powerful tool to combine all sounds and loops, share the same tempo among them, and create in real time thousands of different grooves. Recycled files are included for maximum control and easy editing,

giving you the ability to change tempo without pitch variation, or to quantize the resulting grooves, achieving a huge amount of different possibilities for every requirement.



[www.bhphotovideo.com](http://www.bhphotovideo.com)

# IK MULTIMEDIA

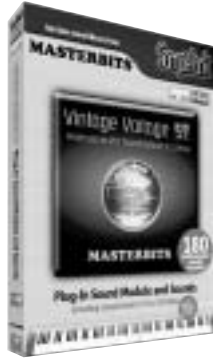
## SAMPLETANK 2

COMPUTER SOFTWARE

1077

### Masterbits Vintage Voltage ST

A great collection of analog synth sounds, 180 ready to play ST sound sets including Leads, Bases, Pads, SFX etc. taken from famous vintage synthesizers. Includes accurately sampled sounds from Roland Jupiter 8, Roland MKS 70, Planet S, Oberheim Xpander, Studio Electronics SE 1, Roland Juno 60 and 106, Oscar, Deep Base Nine, Moog Prodigy, Yamaha CS 15, Teisco 60F, Roland SH 101, Wasp, Roland MKS 80, Oberheim Matrix 12, Korg Polysix, Monopoly, Korg Delta, Kawai SX 350.



### Masterbits MelloZone ST

This collection of Mellotron sounds, is based on over 800 carefully selected single recordings in half tone steps, produced by Mellotron specialist Klaus Hoffmann-Hook. Just like the original, the 26 "FRAMES" were converted into ready to play Sampletank sets. Each frame set contains 23/35 multi samples, which means one sample per loop to completely avoid unwanted side effects and to secure an absolutely authentic Mellotron sound. The center are the legendary choir sounds with 10 ST-Instruments and the well known string sounds that have reappeared as hits in the charts. Includes classics like various flute & brass sound sets as well.



### Guitar Collection

A fantastic selection of both acoustic & electric guitars including nylon & steel string acoustics, 12 string and Dobros as well as Pedal Steel, Ebowed Guitars, Clean and Distorted Electric Guitars, Overdriven & Rotary Guitars plus many others. Perfect for a wide variety of musical styles from Rock to Jazz to Country & Blues, the Guitar Collection is a must for anyone looking to play realistic multisampled guitar tones!



### Piano Collection

A fine selection of Sonic Reality's acoustic and electric pianos featuring both Yamaha and Steinway concert grands as well as uprights and baby grands too.

With acoustic pianos ranging from 32 to over 90 megs in size, the Piano Collection's value is hard to beat. In addition, there are extremely realistic classic Rhodes and Wurly EPs as well as FM pianos, Clav D6 and more.

### Phil Gould on Drums

This massive collection of fresh beats includes a vast range of feels and styles - from recordings made as far back as 1984 right up to the present day! Ex-Level 42 drummer Phil Gould includes hundreds of specially recorded loops and excellent D&B loops. Loops range from 70 bpm right up to 165 bpm plus there's a selection of high quality single hits too.



### Symphony Strings

Ideal for classical music and film soundtracks, as well as pop, rock, jazz and dance. Its organic quality makes it possible to add depth and realism for MIDI orchestration. Since it is made up of playable instruments only (no phrases or loops) it is a library that can be used over and over in unlimited musical situations. A Euphonix board and special outboard gear along with Neuman mics were used to capture the silky sound of strings in a medium ambient room. The engineers worked with artists such as David Bowie and Elton John to name a few.



### Sample Messiah

This rapturous collection of dance samples in the classic format has everything you need for House, Electro, Detroit, Experimental, Techno, Trance and many more dance genres! DJ Harsh, The Notzel Brothers, Ars Larsen & Lars Boske pool their vast sample resources to create the ultimate, modern Euro dance sample CD. Capturing the essence of the classic dance sample collections with the sounds of today - this collection is a unique resource for anyone making modern music.

### Special Collection! Sound Modules Series

A complete collection of 9 titles from the best soundware houses at a killer price. Includes AMG's Brit Horns and Loop Soup, IK's AXE' and Trance Grid, Masterbits Mellozone and Vintage Voltage, Sonic Reality Piano Collection, Symphony Strings, and OmniSynth



ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com



# IK MULTIMEDIA

## SONIC SYNTH by SONIC REALITY

COMPUTER SOFTWARE

1078



*Designed for a wide variety of musicians from beginners to professional keyboard players, Sonic Synth is a workstation-like sound module packed with one of the most diverse collections of high-quality playable instruments available anywhere, at any price. A unique tool, Sonic Synth offers a huge range of immediate playable instruments, suitable for many musical styles such as rock, pop, jazz, classical, dance, R&B, hip hop, country, film soundtracks and more.*

*Sonic Synth features stunning acoustic and electric pianos and other staple sounds for songwriting and producing. For moody pads, vocal textures and orchestral soundscapes Sonic Synth also provides a vast selection of inspirational content.*

*Whether you mainly play pianos and organs or do full orchestrations, funky guitar, bass and drum tracks or ambient music with the need for a touch of the ethereal, Sonic Synth has a great selection of inspiring sound content to choose from FAST!*

- ◆ Sonic Synth excels in depth and realism. These virtual instruments were designed to easily sit in the mix without the need for much external processing. Very convincing virtual band tracks can be made using the deep basses, punchy drums, liquid guitars and classic keyboards with loads of character.
- ◆ A patch in Sonic Synth could have it's origins from Three Dog Night's Oberheim 4 voice, Larry Carlton's Arp Quadra or Joni Mitchell's Mellotron Mk 5, the Beach Boy's B3 organ (with a white Leslie 122 cabinet), Pink Floyd's Prophet 10 with patches that were used for The Wall, Mellotrons and Chamberlins that belong to Tom Waits, Neil Finn/Crowded House, Tom Petty and more.
- ◆ The combination of great studio rooms, experienced engineers, top notch recording gear and select choice instruments makes Sonic Synth a unique product packed with highly usable sounds.
- ◆ And, more importantly, all Sonic Synth ST content was programmed in native Sampletank format and designed to take advantage of all of Sampletank's special features from scratch, including internal effects programming, knob assignments, search functions and the loads of great internal synth programming and processing. This gives the Sampletank user a lot more expression over just importing basic multi-samples from AKAI format CD ROMS.
- ◆ Sonic Synth's sound set is over 2GBs which allows for less compromises in workstation-type sounds such as pianos, strings, organs, guitars and drums.
- ◆ Sonic Synth includes 532 sounds organized by 13 categories in 3 CDs:
  - SR Pianos 22
  - SR Chromatic 22
  - SR Organs 34
  - SR Bass 21
  - SR Synths Pads 119
  - SR Brass-Winds 40
  - SR Synths Leads & Bases 54
  - SR Synths Misc Keys & FX 76
  - SR Guitars 34
  - SR Strings 20
  - SR Voices 5
  - SR Drums 50
  - SR Ethnic 35



### Acoustic Drum

Sonic Reality's I-Map acoustic drum kits were recorded in some of LA's best studios. Featuring multisampled hits from Ludwig, Gretsch, Yamaha, DW and Pearl Kits, this collection will add the depth and realism of live studio drums to your sequences!

### Bass Collection

Sonic Reality's Bass Collection features Fender P and Jazz Bases, Rickenbacker 4001 Bass, Hofner Beatle Bass, Lakeland Fretless Bass, Upright and Acoustic Bases and more. All multisampled playable instruments with finger, picked, harmonics, slaps, pulls, taps, slides and more!



Coming in 3rd Quarter 2003. . .

### The eXXential Series

*The eXXential Series is a new collection of SampleTank 2 sounds from IK Multimedia. These top-quality libraries offer instrument-dedicated series, which enter into the deep and distinctive characteristics of each instrument with a huge collection of sounds.*

**eXXential Drums**— A powerful kit of both vintage and modern drums recorded at 24-bit/96kHz with a pure, unprocessed amazing ambience

**eXXential Pianos**— A collection of chromatically sampled Steinway and Fender Rhodes offer incredible realism and playability

**eXXential Bass**— One of the best and most complete collections of electric bass around. Sampled at 24-bit/96kHz with tons of variations

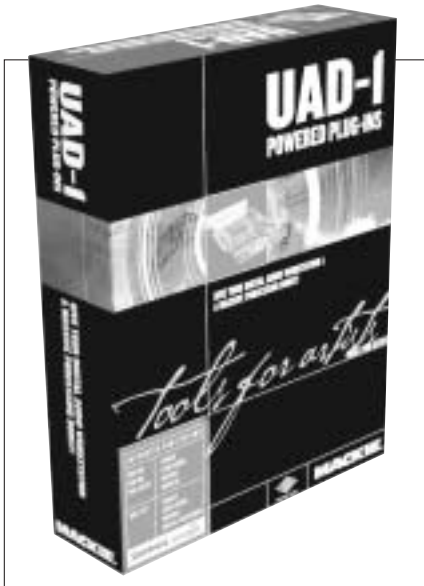
**eXXential Strings**— A pristine collection of 16 violins, 8 violas, 4 cellos and 4 basses in ensemble and solo, with multiple variations including pizzicato, staccato, vibrato chromatically sampled. Performed with passion by the Moscow Session Orchestra.



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# MACKIE/UA

## UAD-1 POWERED PLUG-INS



### *Powered Plug-Ins For Your Native DAW*

*Powered Plug-Ins are a suite of professional, DSP-intensive plug-ins "powered" by the UAD-1 — a revolutionary PCI card that brings ultra-high computational processing to host-based systems utilizing a single proprietary high-speed DSP processor. The end result is a quantum leap in performance giving native workstation users the experience of using professional quality plug-ins with multiple instances unencumbered by the limitations of the host processor. The Powered Plug-Ins bundle feature Universal Audio's high quality stereo reverbs, Dreamverb and RealVerb Pro; the CS-1 Channel Strip which includes the EX-1 EQ/Compressor, DM-1 modulated delay module, and RS-1 Room Simulator as well as dead-on emulations of the legendary 1176LN and LA-2A Vintage Compressors and Pultec EQP-1A EQ. Also included is Nigel — a powerful amp/cabinet modeler and multi-effect guitar processor.*

COMPUTER SOFTWARE

### FEATURES

- ◆ The UAD-1 Powered Plug-Ins package includes the UAD-1 DSP card and a comprehensive package of ultra high quality plug-ins, including RealVerb Pro, the 1176LN and Teletronix LA-2A Vintage Compressors, the Nigel Guitar Processor, and the CS-1 Channel Strip.
- ◆ Compatible with your native DAW system using VST, MAS, Direct X architectures — combine the advantages of Powered Plug-ins with using the dedicated UAD-1 DSP card while continuing to use your favorite native plug-ins.
- ◆ Supports up to 32-bit / 192kHz audio
- ◆ Running intensive processors such as reverb and compression on the UAD-1 provides your host processor with additional capacity for more tracks and more instances of your favorite native plug-ins
- ◆ UltraDither (proprietary hardware dithering process) provides maximum signal quality at every step with no impact on processing capacity
- ◆ Artifact free smoothing allows you to adjust parameters in real-time with no zipper noise, pops, or clicks.
- ◆ Every parameter of every plug-in can be automated.
- ◆ Multi-card support allows you to use multiple UAD-1 cards in your system.

- ◆ 32-bit floating point processor matches the data format of the host application for a distortion free, ultra high-resolution signal path with maximum efficiency

- ◆ Non-partitioned DSP chip gives each plug-in the total capacity of the system when needed, giving the plug-ins a quality and complexity not available on native systems.

### CS-1 Channel Strip

- ◆ Provides all the tools needed for recording and mixing in one simple plug-in or, you can load each plug-in separately
- ◆ Unique smoothing algorithm for all controls and DSP conserving bypass switches



### Plug-in Modules

#### EX-1 EQ/Compressor:

- Five parametric bands with individual bypass switch, Hi/Lo shelving, peak/notch or high/low pass settings.
- Ultra-smooth compression with variable ratio, threshold, attack and release controls as well as gain reduction metering.

#### ◆ DM-1 Delay Modulator (mono or stereo):

- Up to 300ms maximum delay per channel
- Selectable modulation waveforms with adjustable phase, including quadrature, in-phase and out of phase
- Mode selector providing popular forms of Chorus, Flanging, and Echo in one plug-in

#### ◆ DM-1L: Same as DM-1 plus up to 2400ms delay and link button for enhanced control

#### ◆ RS-1 Reflection Engine:

- Multiple room shapes
- Adjustable room size from 1 to 99 meters
- Forward and reverse gates
- Echo, ping-pong, and multi-tap delay

1079

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com



# MACKIE/UA

## UAD-1 POWERED PLUG-INS

COMPUTER SOFTWARE

1080

### The Teletronix LA-2A Leveling Amplifier

- ◆ A digital copy of the original opto-electrical attenuator circuit responsible for the incredibly rich and magic sound found on countless classic recordings
- ◆ Upholds all the classic, analog characteristics of the original with unprecedented clarity and sound quality – including how each and every component interacts under a full range of studio conditions
- ◆ Identical look, controls, and operation of its analog cousin
- ◆ Lag-free, distortion-free optical attenuator emulation



- ◆ Frequency-dependent compression behavior
- ◆ Input gain and peak reduction adjustment knobs
- ◆ Limit/Compress function switch
- ◆ +4, -10, or gain reduction metering
- ◆ Mono or stereo operation

### The 1176LN Limiting Amplifier



- ◆ The classic analog processor originally designed and built during the 1960's is now available as a plug-in for your DAW
- ◆ The first processor to use a field effect transistor (FET) as a voltage controlled variable resistor – the key to the processor's unique "warm" character
- ◆ Ultra-fast attack time
- ◆ Supports the popular "All Buttons Mode", just like the original
- ◆ Input & output gain adjustment knobs with adjustable attack and release settings
- ◆ Adjustable program-dependent compression behavior
- ◆ Custom output transformer emulation design
- ◆ Mono or stereo operation
- ◆ Flexible VU metering modes
- ◆ Detailed, precise screen shot provides a realistic analog look and feel

### Legendary Pultec EQ

The Pultec EQP-1A Program Equalizer plug-in is a faithful electronic reproduction of the classic hardware equalizer. The Pultec EQ has long been a choice of recording and mastering engineers for its ability

to bring out individual frequency ranges without significantly altering other frequencies. In addition, the Pultec is one of those magical pieces of gear that makes audio sound better - just by passing through it. The sophisticated modeling technology used in the Pultec EQP-1A plug-in captures both of these key characteristics.



- ◆ Legendary Pultec Program EQ
- ◆ Unique simultaneous boost and cut
- ◆ Smooth, sweet top end
- ◆ Dial in dangerous amounts of boost with incredibly musical results
- ◆ Modeled after a highly prized "golden" Pultec
- ◆ Models accurate to within unit-to-unit variation

### Nigel— Guitar Effects

- ◆ The latest generation of guitar processing technology integrated into a complete multi-effects plug-in
- ◆ Uses an exclusive component modeling technology and intuitive design to deliver a complete pallet of guitar tones along with most every effect a guitar player might need, all with minimal latency and no load on your host computer's CPU



- ◆ The Preflex advanced guitar amp modeling technology delivers a wide range of highly playable classic amp tones from the "Clean & Warm" California tube sound to more metal soaked "British" tones as well as a number of original timbres not possible on any other guitar system
- ◆ PreFlex modeling also offers continuously variable morphing between any two amp presets bringing creative guitar processing to an even higher level
- ◆ Gate/Compressor for noise and dynamics control
- ◆ Phasor capable of modern and classic sounds such as those produced by the Mutron Bi-Phase, Small Stone and MXR series of phasers
- ◆ Mod Filter capable of wah, auto-wah, and envelope follower effects, modeled after the Mutron III and other popular filters
- ◆ Tremolo with Classic, Shimmer, VariTrem, and Fade modes
- ◆ Fade-in for swells and reverse tape effects
- ◆ Modulated Delay capable of chorus, flange and vibrato
- ◆ Echo Delay up to 1200ms
- ◆ Unlimited presets for total recall
- ◆ 24-bit, 96kHz support
- ◆ Each of Nigel's component plug-ins can be loaded individually



EQUIPMENT LEASING AVAILABLE

# MACKIE/UA

## UAD-1 POWERED PLUG-INS

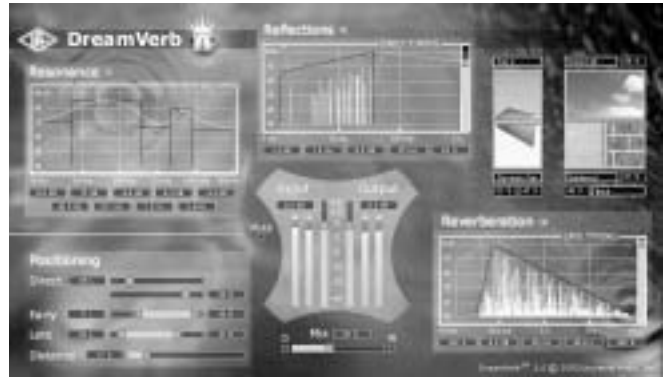
### RealVerb Pro



- ◆ Unique set of algorithms let you design the perfect room just as you hear it with graphic menu of room shapes, and adjustable settings for wall material as well.
- ◆ Provides the trademark, distortion-free, smoothing diffusion control and ultra-long reverb tail
- ◆ Morph between different presets

- ◆ Adjust relative thickness of materials
- ◆ Blend between room shapes and sizes in realtime
- ◆ Adjust room size from 1-99 meters
- ◆ Run eight instances simultaneously using a single UAD-1 card
- ◆ Control intensity and timing of early reflections and late-field reverberation
- ◆ Comprehensive interface for in-depth parameters editing

### Dreamverb – Flagship Stereo Reverb



- ◆ Drawing on the flexibility of RealVerb Pro, its intuitive and powerful interface allows you to create an acoustic space from an extensive list of different materials and room shapes. These acoustic spaces can be customized to great detail by blending or "morphing" different room shapes and surface materials, adjusting the effect of the room materials on the sound space, and even varying the density of the air to simulate different ambient situations.
- ◆ Dreamverb also features a flexible 5-band active EQ and unique level ramping for the early and late reflections for sounds ranging from ultra-realistic dynamic room simulations to lush reverb effects.

*UAD version 3.0 supports the use of up to four UAD-1 cards inside a single PC, so you can purchase an additional card and add I/O capabilities at the same time.*

### Cambridge EQ (Available Separately)



The Cambridge EQ features five bands of fully parametric EQ, as well as high and low cut filters with a wide variety of filter types and curves, and switchable shelving filters for each EQ band.

- ◆ Complex lattice filters and a special algorithm deliver a warm analog sound without oversampling.
- ◆ A/B function allows for quick comparison of two different settings.
- ◆ A graphic display of the EQ curve provides "edit handles" for click and drag control of the EQ parameters, plus editable text displays for parameter values.

## NEW! UAD-8 I/O

UAD-1 Card with ADAT I/O

*Combining the dedicated DSP capabilities of the UAD-1 card with an ADAT optical I/O, the UAD-8 allows you to interface directly with external devices which support ADAT I/O without the need to purchase a separate PCI card for your PC.*

- ◆ Supports sample rates ranging from 44.1kHz to 192kHz.
- ◆ A stand-alone host application is included which allows you to access all the Universal Audio plug-ins without using a third party VST host application. This allows you to turn an ordinary PC into a standalone digital effects processor, capable of 192kHz sampling rates and able to run ultra-low latency effects for any digital interface using the ADAT optical interface.

# McDSP

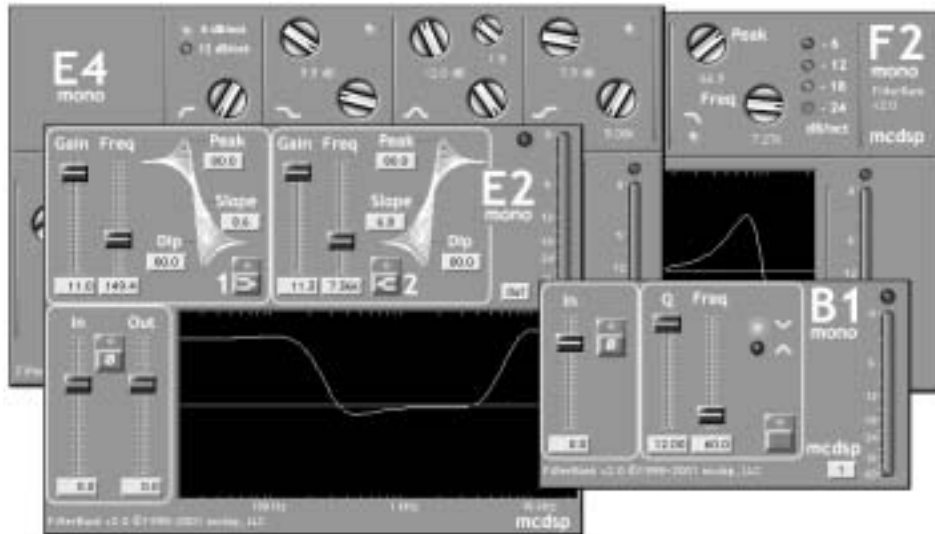
## FILTERBANK

COMPUTER SOFTWARE

1082

### High-End EQ/Filter Plug-in

*FilterBank is high-end EQ/Filter plug-in designed to emulate the sound of vintage and modern equalizers/filters. But FilterBank isn't just another great sounding EQ - it's every EQ ever made in one plug-in. FilterBank does this through its unique design philosophy: give the user maximum control. All critical equalizer and filter design parameters are totally user adjustable. FilterBank can emulate any EQ: tube driven or solid-state, vintage or modern, fat or thin. Or create a distinct custom EQ.*



*FilterBank is 20 plug-ins consisting of 2, 4, and 6 band configurations of EQs and filters, in mono and stereo versions.*

### FEATURES

#### Total Control Over All Critical EQ and Filter Design Parameters

- ◆ High and Low Shelving EQ: Independent control of frequency, gain, peak, slope, and dip. No other EQ gives you so much control and flexibility of shelving equalization.
- ◆ Parametric EQ: Frequency control range that covers nearly the entire audible spectrum (20 - 21000 Hz). The parametric bell is up to 5 octaves wide! Gain is +/- 12 dB. Constant-Q technology closely models analog parametric responses.
- ◆ Low and High Pass Filters: Adjustable slope and resonant peak greater than 24 dB.
- ◆ Band Pass and Band Reject Filters: Frequency control range that covers nearly the entire audible spectrum (20Hz-21kHz). The Q range is 0.2 - 12.0.

#### Additional Features

- ◆ Double precision arithmetic keeps the noise floor at the -138 dB level one would expect from the 24-bit TDM bus.
- ◆ Analog saturation modeling is provided in each EQ/filter band to prevent digital clipping.

- ◆ Performance: Up to 54 EQ/filter bands per HD dsp. Up to 48 EQ/filter bands per MIX dsp. FilterBank runs on any MIX system dsp type (SRAM, DRAM, no RAM). d|24 systems run up to 24 EQ/filter bands per dsp.
- ◆ ProControl, Control 24, and HUI compliant; control automation (PT 4.0 or higher); TDM, AudioSuite, and RTAS versions; supports d|24, MIX, HD, and host-based ProTools systems.
- ◆ FilterBank can emulate any EQ: tube driven or solid state, vintage or modern. Or FilterBank can be used to create a distinct custom EQ. And unlike the high-end outboard gear it emulates, FilterBank runs up to 48 bands of EQ/filters per MIX dsp chip, vs. to 4 to 6 bands per hardware box.

#### P-S-D (Peak-Slope-Dip) Control

P-S-D control allows you to adjust the critical response characteristics of low and high shelving EQ. These parameters replicate the sound of nearly every shelving EQ ever made.

**Peak:** The peak control adjusts the amount of added punch in the shelved portion of the response. The peak in the shelved portion of the response gives the shelving equalizer additional brightness or emphasis near the shelved band frequency. The effective gain at the shelved band frequency can exceed the range of the gain control when used at its maximum setting. Peak and dip controls are interactive - as the peak control is increased, the overall dip in the shelved response is decreased, and vice versa.

**Slope:** The slope control adjusts the gradient (slope) of the shelved response. The more gentle the transition between the shelved and non-shelved bands, the smoother the equalizer sounds. Steeper slopes can give the shelving equalizer more definition and clarity.

**Dip:** Adjusts the amount of warmth added in the non-shelved portion of the response. The dip in the non-shelved response reduces the amplitude of signals whose frequencies are just outside of the shelved portion of the response. Dip and peak controls are interactive

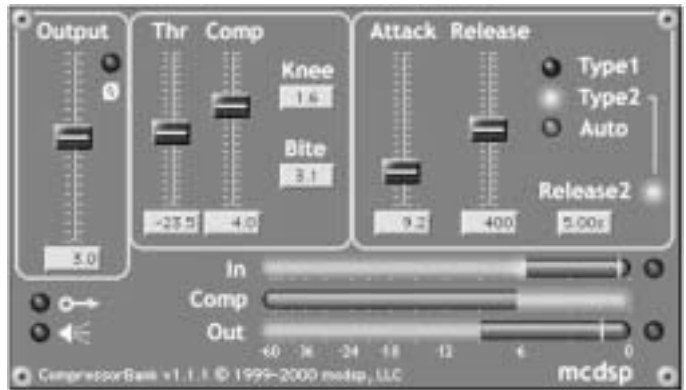


For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

## COMPRESSORBANK

### The Complete Compressor

*CompressorBank gives the user complete control of dynamic compression. Common controls such as Output (make-up gain), Threshold, Compression (Ratio), Attack, and Release are provided. Non-standard Knee and Bite controls allow unique and unprecedented articulation of compression characteristics. Multiple peak detection circuit types provide flexibility only previously achieved by owning different compression units. Side chain support, side chain or in-line pre-filtering, and a static/dynamic EQ section (post compression) round out the signal processing capabilities of an already very capable compressor. CompressorBank is 8 plug-Ins: basic compression (CB1), compression with pre-filtering (CB2), and compression with pre-filtering and static/dynamic EQ (CB3), and modeled compression (CB4) - all in mono and stereo versions.*



#### Side Chain Support

Provided in all CompressorBank configurations. Side chain pre-filtering (high/ low pass, and band pass, and parametric EQ) is also available. The pre-filter can also be placed in-line and applied to the compressed signal.

#### Compression Curve Modeling

In addition to the standard Threshold and Compression (Ratio) controls, the actual shape and response of the compression curve can be adjusted with the Knee and Bite controls. Knee softens the compression curve, creating a smoother response. Bite gives the compressor the ability to allow signal transients to pass uncompressed, while the overall compression response is unchanged. These controls allow the user to emulate responses of their favorite vintage gear.

#### Processing Specifications:

- ◆ Double precision arithmetic for 48-bit processing at side chain pre-filter, compression and active EQ stages
- ◆ Analog saturation modeling on each band prevents digital clipping.

#### Dynamic EQ

Using the same technology as FilterBank (including analog saturation modeling), this static/dynamic parametric EQ section can be applied to the compressor output, making possible effects such as signal enhancement, noise reduction, and harmonic distortion.

#### Multiple Peak Detection Circuits

Every compressor uses a model to detect and track signal peaks and then apply dynamic compression. Variation of basic models are available in CompressorBank:

- Type1: pure peak detection
- Type2: pure peak detection combined with adaptive release times, plus a secondary release control
- Auto: signal levels are automatically tracked

#### Compatibility

ProControl, Control 24, and HUI compliant; control automation (PT 4.0 or higher); TDM, AudioSuite, and RTAS versions; supports d|24, MIX, HD, and host-based ProTools systems.

#### The Classics

McDSP has developed emulations of the Teletronix LA2A, the dbx 165, the Neve 2254E/33609, the UREI 1176LN (blackface, including the '44' setting), and other classic high-end compressors and limiters.

#### Performance:

Up to 18 mono (or 14 stereo) channels of compression on a single HD dsp. Up to 15 mono (or 12 stereo) channels of compression on a MIX dsp (any type - SRAM, DRAM, no RAM). d|24 systems can run up to 8 mono (or 5 stereo) channels of compression on a single dsp.

## MC2000

### The Complete Multi-band Compressor

*The MC2000 gives the user complete control of multi-band dynamic compression. Common controls such as Output (make-up gain), Threshold, Compression (Ratio), Attack, and Release are provided. Non-standard Knee and Bite controls allow unique and unprecedented articulation of compression characteristics. Multiple peak detection circuit types provide flexibility only previously achieved by owning different compression units. Steep 24 dB/oct crossover filters, taken from the award-winning FilterBank plug-in, minimize signal leakage into adjacent compression bands.*

# McDSP

## ANALOG CHANNEL

### The Complete Analog Experience

When the sound of digital won't cut it, Analog Channel transforms mixes into analog heaven. The most sought after high-end tape machines and analog consoles on the planet are an insert away. Analog Channel comes with several settings files based on a variety of tape machines and consoles, including emulations of the most popular playback heads used on the best analog 'reproducers' in the world. Plus, you can create your own distinct custom analog system. Analog Channel includes two devices: the AC1 for emulating analog mixing console channels, and the AC2, which emulates tape and tape machines.

#### AC1- Analog Console Emulation

Pure digital tracks can suffer from harsh digital clipping. AC1 acts as a 'digital pre-amp' allowing even excessive amounts of gain without digital distortion. A drive control determines where the audio 'sits' in the saturation/compression region, and even the attack and release times of the distortion character are adjustable. And AC1 is the most efficient McDSP plug-in ever - up to 24 mono channels or 16 stereo channels on a single MIX dsp chip. Place it across the entire mix to create a custom analog console.

#### AC1- Analog Tape Machine Emulation

Includes standard tape deck parameters such as bias, playback speed, and IEC1/2 equalization, plus controls that are well beyond the limits of 'reel-world' devices, like adjustable low frequency roll off and head bump - independent of playback speed. Select from several playback head types, and even control the rate at which tape saturation is disengaged. Modern and vintage tape formulations are available. And instead of frequency sweeps and test tones, the playback head and tape saturation responses are displayed in realtime - updated with every change.

### FEATURES

#### Power and Flexibility

Four different configurations are available - Analog Channel Emulation (mono and stereo), and Analog Tape Emulation (mono and stereo). AC1 - control drive, attack, and release of amplifier characteristics; AC2 - control every aspect of analog tape 'reproducers', as well as parameters not found in the original devices.

#### Performance

- ◆ **AC1:** Up to 28 mono (17 stereo) channels on a single HD dsp. Up to 24 mono (15 stereo) channels on a single MIX dsp chip.
- ◆ **AC2:** Up to 9 mono (4 stereo) on a single HD dsp. Up to 8 mono (4 stereo) on a single MIX dsp chip.
- ◆ Analog Channel can run on any MIX system dsp type (SRAM, DRAM, no RAM).

#### AC1 - ANALOG CONSOLE EMULATION

- Input: +/- 24 dB, with phase control
- Drive: +/- 12 dB
- Adjustable saturation region
- Attack: 0.01 msec to 10 msec
- Release: 10.0 msec to 1000 msec
- Output: +/- 24 dB
- Auto Output Control, L/R Input and Output link
- Simultaneous input/output metering

#### Additional Features

- ◆ Double Precision Arithmetic keeps the noise floor at the -138 dB level one would expect from the 24-bit TDM bus.
- ◆ Analog Saturation Modeling: at playback head and tape saturation stages in the AC2

#### Compatibility

ProControl, Control 24, and HUI compliant; control automation (PT 4.0 or higher); TDM, AudioSuite, and RTAS versions; supports d/24, MIX, HD, and host-based ProTools systems.

The AC1 plug-in allows the user to design channel amplifiers such as those found on 'classic' analog mixing consoles. Parameters can be saved in a preset or as part of a session, and are completely automatable.



Instead of frequency sweeps and test tones, the setup of the AC2 playback head response and tape response are updated with every control change. Time consuming calibration and maintenance are no longer required.

#### AC2 - ANALOG TAPE MACHINE EMULATION

- Input: +/- 24 dB, w/ phase control
- Roll Off Frequency: 20 - 100 Hz
- Bass Bump: 0 - 100 % (up to 6 dB maximum)
- Selectable playback head types
- Bias: +/- 12 dB
- Release: 10.0 msec to 1000 msec
- Output: +/- 24 dB
- Vintage and Modern tape formulation modes
- Auto Output Control, L/R Input and Output link
- Simultaneous input/output metering
- Playback head and tape saturation response display



## SYNTHESIZER ONE

### High-end Software Synth

*Synthesizer One combines many sound creation techniques into a single software plug-in including wavetable, FM, AM, Ring modulation, additive and subtractive synthesis methods. External audio can be processed and combined with synthesized sounds. Oscillator, filter, LFO, and envelope signals can be routed to multiple modulation targets. Two wavetable oscillators (three waves per voice) allow unprecedented manipulation of waveform data.*

*Two multi-mode filters simultaneously output high pass, low pass, band pass, and band stop filtered signals. Three LFOs per voice with dedicated multi-mode ASR envelopes. The LFOs can use the same waves as the OSCs for the ultimate modulations. The LFOs can be synced to MIDI beat clock or internal clock. Multiple LFO loop modes are available, as well as key tracking. Three ADSTAR envelopes can be used as a source for any modulation target. The second attack (post key up) can be enabled or disabled. Effects include wave shaping, EQ (high pass, low shelf, high shelf), and a modulatable delay line capable of chorus, flange, vibrato, pitch warping, doubling, and echo effects.*



### FEATURES

#### Wave Editing

- ◆ The vast Synthesizer One sound palette starts with its editable wavetables. This allows you to create unique waveforms. The waveform editing facilities are built into the Synthesizer One interface and Wave Edit control page. Several waveform functions, filters and edit modes catalyze the creative process. Mouse drawn waveforms and functions can be created. Up to 8 edited wavetables can be saved per setting file for an unlimited range of sounds.
- ◆ A modular design allows oscillator, filter, LFO, envelope, and audio signals to be routed to a variety of modulation targets. Many synthesis parameters have a dedicated menu of modulation sources on each control page for optimal editing speed. A 4-point modulation matrix is provided for additional modulation routing.
- ◆ A set of Quick Pages gives access to basic parameters, while the complete set of controls are available on the Synth Pages. MIDI controller assignment is programmable and saved as a preference inside the Synthesizer One. 4-point MIDI controller modulation matrix is available per patch.

#### Two Wavetable Oscillators

- ◆ 3 wave sources with independent waveform, level, phase, octave, PW and PWM control (note PWM available for ANY waveform - the only synth on the planet to offer this feature)
- ◆ Many preset waveforms and up to 8 editable waves are available per wave source
- ◆ FM and FM velocity controls for each oscillator
- ◆ Separate Ring Oscillator with selectable inputs (OSC, LFO, ADSTAR envelopes, etc.)
- ◆ Separate noise source

#### 2 Multi-mode Filters

- ◆ High Pass, Low Pass, Band Pass, Band Stop with frequency and resonance control, 12 dB/oct per filter
- ◆ 2 frequency and 1 resonance modulation source per filter
- ◆ Simultaneous output of all filter types
- ◆ Filters operate in series, parallel, and other routing configurations

#### 3 Low Frequency Oscillators

- ◆ Use same waves as available to oscillators
- ◆ Syncable to MIDI beat clock
- ◆ Multi-mode ASR envelope per LFO

#### Additional Features

- ◆ 3 ADSTAR Envelopes: Attack, Decay, Sustain, Time, Attack2, Release
- ◆ Every modulation target (PWM, VCF FM, etc.) can select from a popup menu of available modulation sources (LFO, ADSTAR envelope, OSC, etc.)
- ◆ User definable arpeggiations and sequences saved per preset
- ◆ Audio can be mixed, processed, and used as modulation source
- ◆ Double precision arithmetic for 48-bit processing
- ◆ Analog saturation modeling
- ◆ Requires MIX or HD TDM system
- ◆ Page table support for ProControl, Control 24, and other control surfaces

# METRIC HALO

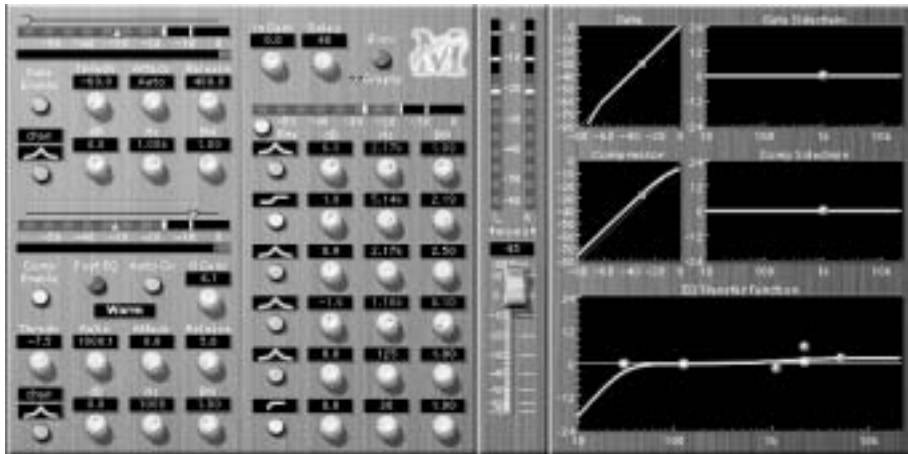
## CHANNELSTRIP

COMPUTER SOFTWARE

1086

### World-Class Audio Engineering Tools

As the name implies, ChannelStrip replicates the audio processing section of a digital console – powerful dynamics and EQ integrated in a single, fully automatable plug-in for ProTools and MAS audio environments. Developed as a way to marry the sound and feel of a world-class mixing console with the flexibility of digital audio workstations, it offers exceptional audio quality, along with incredible DSP and CPU efficiency. The comprehensive user interface allows you to work with your



DAW as efficiently and interactively as you would with a dedicated mixing console.

Also available with the same high-resolution algorithms but with a slightly scaled-down feature set. This means that ChannelStrip|SP will use less DSP and run more efficiently.

### FEATURES

Transform your digital audio workstation into a world class mixing console. ChannelStrip provides all of the critical channel processing features you would expect to find on a top-of-the-line mixing console in a single mono or stereo plug-in. Processing functions include:

- ◆ Input level control
- ◆ Expander/Gate with filtered sidechain
- ◆ Compressor with filtered sidechain
- ◆ 6 band Parametric EQ
- ◆ Phase Invert
- ◆ Channel delay
- ◆ Advanced metering

Filter Type	Frequency Range	Boost/Cut	Bandwidth
Peaking/Parametric	20Hz-22kHz	±24dB / ±12dB (SP)	0.1-2.5 oct
High Cut	20Hz-22kHz	12dB/octave w/3dB	
Low Cut	20Hz-22kHz	12dB/octave w/3dB	
Low Shelf	determined by BW	+12dB/-24dB ±12dB (SP)	
High Shelf	determined by BW	+12dB/-24dB ±12dB (SP)	
Bandpass (CS only)	20Hz-22kHz	6dB/octave	0.1-2.5 oct

- ChannelStrip TDM, RTAS and AS (includes ChannelStrip|SP).....599.00
- ChannelStrip MAS, RTAS and AS (includes ChannelStrip|SP) .....299.00
- ChannelStrip|SP TDM, RTAS and AS .....299.00
- ChannelStrip|SP MAS, RTAS and AS.....159.00

	ChannelStrip	ChannelStrip SP
<b>EQ Section</b>		
Total Bands	8 (2 on sidechain)	4
Selectable Filter Types	6	5
<b>Compressor Section</b>		
Detector Level Meter	Y	N
Character	smooth, warm, fast	warm
Ratio Control	1:1 - 1000:1	1:1-8:1
Attack Control	0-500ms	0-500ms
Release Control	5ms-5sec	5ms-5sec
Post EQ option	Y	N
Sidechain	2 bands EQ	N
Delay section	255 samples	N
Phase Invert	Y	Y
Peak Meter (.9 sec/20dB) w/ Clip Indicator	Y	Y
Dynamics Metering on Gate Knee	Y	N
Dynamics Metering on Compressor	Y	N
Gain Reduction Meter (0-60dB dynamic range)	Y	Y
Peak, RMS, VU Output Meter (IEEE standard 300ms RMS level)	Y	Y
Automation	Y	Y
Input Gain	+24dB	+24dB
<b>Gate/Expander Section</b>		
Detector Level Meter	Y	N
Threshold Control	Y	Y
Attack Control	max 100ms	N
Release Control	5ms-5sec	80, 400 or 1200 ms



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# METRIC HALO

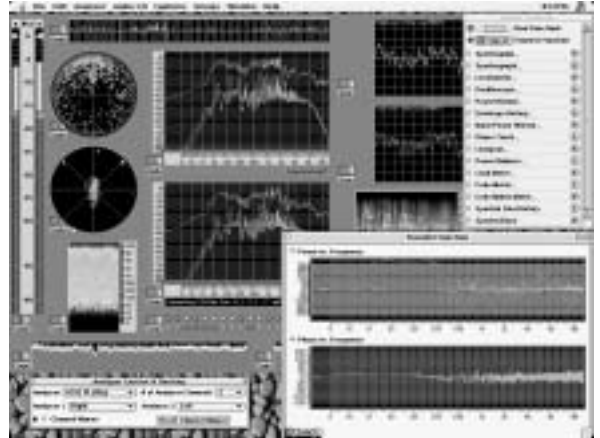
## SPECTRAFOO • SPECTRAFOO COMPLETE

### Visual Audio Monitoring System

*SpectraFoo provides standards-based level metering, high-speed, high-resolution spectral analysis, the unique Phase Torch, correlation metering, triggerable waveform display, power balancing and a variety of power, envelope and spectral histories and phase analysis on any number of input or output channels. Create as many copies of each type of instrument as you like. Every copy is independently assignable, movable, sizeable and configurable. This allows you to create the exact metering set (or sets) you need.*

*Both absolutely essential for broadcast and critical mixing & mastering, the SpectraFoo Complete steps up with a Transfer function, signal generator, 24-bit audio capture function and three sample code metering tools (a bit-range meter, bit-matrix meter and bit-scope) to the fundamental set of software-based metering and analysis instruments.*

*SpectraFoo Complete*



COMPUTER SOFTWARE

1087

### FEATURES

- ◆ The software automatically maintains a snapshot of the current system state, so every time you start working with the system it is configured exactly as you left it. It also provides a variety of sophisticated configuration management features to maximize your effectiveness while minimizing the time you spend tweaking the controls.
- ◆ Provides a complete parameter storage and retrieval library mechanism for all instruments in the system.
- ◆ Create named configurations for each of the various instruments and instantly recall them with a single mouse click
- ◆ Modifications of parameter libraries can be saved over the originals or cloned to create new libraries
- ◆ Comprehensive set of instrument presets
- ◆ Create a complete snapshot (meter positions, visibility, configuration, channel routing, etc.) of the entire state of the system and save it as a preset document. Or assign it to a hot key for instant one-key access to various metering configurations
- ◆ Flexible linking system lets you keep all of the parameters associated with a group of instruments linked. Use to link the setting on a stereo pair (or surround group) of instruments as well as synchronizing the settings of different types of meters that are all on the same channel.

### SpectraFoo

- Lissajous phase scopes (X-Y, vectorscope and stereo field display modes)
- Full featured audio frequency oscilloscopes
- Power balance meters
- Full featured level meters with physical unit calibration
- Full featured audio spectrum analyzers
- Spectrogram spectral history meters
- Correlation meters
- Correlation history meters
- Phase Torch frequency-sensitive phase meters
- Envelope history meters
- Band Limited history meters

### SpectraFoo Complete— Step-up Features

If your only use of the software is for metering your mix, then SpectraFoo will give what you need. However, if you want to be able to measure your acoustic environment or verify the behavior of your external digital devices, then you need SpectraFoo Complete.

#### More Instruments:

- ◆ Three different kinds of bit meters for monitoring the low level audio bitstreams

#### Transfer Function Measurement System

- ◆ Allows direct measurement of both acoustic and equipment transfer functions (both frequency and phase)
- ◆ Use for equipment verification and test
- ◆ Can be used to “shoot” your control room for acoustic and electronic correction
- ◆ Provides full featured impulse and time-delay measurement tools for time aligning the transfer-function measurements
- ◆ Time-delay tools can be used for time aligning multiple audio tracks

#### World-class Signal Generator:

- ◆ Provides high resolution 24-bit distortion free signal generation
- ◆ Up to 9 simultaneous sine sweeps
- ◆ Pink and White noise generation
- ◆ Burst Generation
- ◆ FFT synchronized sine generation
- ◆ Direct generation to audio I/O, captures and files

#### Capture and Static Analysis system

- ◆ Allows you to record directly into SpectraFoo
- ◆ Provides loop playback
- ◆ Allows you to open soundbites in SpectraFoo for detailed analysis

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com



# METRIC HALO

## MOBILE I/O 2882 • MOBILE I/O 2882+DSP

COMPUTER SOFTWARE

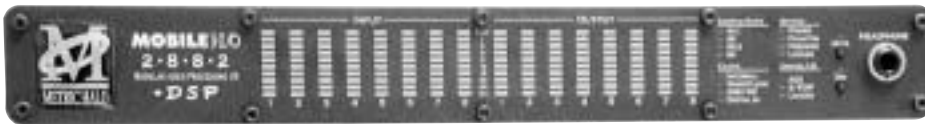
### Multi-Channel IEEE1394 Audio Interfaces



*Designed to fit under a laptop (or rackmounted) the Mobile I/O 2882 is an affordable, portable high-quality, multi-format audio I/O for professional and multimedia applications.*

*Connecting to your computer via IEEE1394 (Firewire), the Mobile I/O 2882 line has 8 channels of analog input and output, 8 channels of ADAT lightpipe I/O, as well as AES/EBU and S/PDIF digital I/O with SRC. It supports all of the standard professional and multimedia sound driver APIs for both Mac and Windows including ASIO, Sound Manager, and Wave Drivers. Each input channel has individual phantom power, and all are fully matrixable. Includes powerful multitrack recording and mixing software. Exactly the same, the Mobile I/O +DSP has an extra DSP chip onboard to capitalize on the additional processing power of Metric Halo software and third party plug-ins.*

1088



- ◆ Built in matrix/routing mixer for low-latency foldback, monitoring, and routing
- ◆ Full cross-point routing between any two channels on any number of boxes

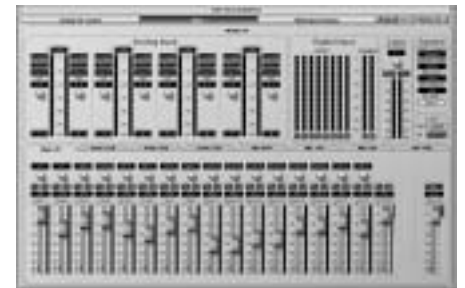
- ◆ Portable audio solution that provides studio quality audio interfacing to any computer with a FireWire port
- ◆ Small 1RU high form factor is compatible in size with portable computers and computer bags – rack ears are included
- ◆ Full 10 segment metering for all input and output channels
- ◆ Low-power design – can be directly powered by the FireWire bus when used with desktop computers, or via an external DC power source for portable computers, or with an external battery pack.
- ◆ Multiple boxes may be chained to make larger systems. Box types may be mixed and matched to provide user configurable I/O. All boxes include programmable logic and a fully field-upgradable audio engine implementation.
- ◆ Completely silent operation – NO FAN!

#### Analog I/O

- ◆ Eight balanced analog inputs with high quality 24-bit/96kHz converters:
  - Four XLR mic inputs with discrete mic preamps
  - Four 1/4" TRS line level inputs
- ◆ Eight 1/4" TRS analog outputs using high quality 24 bit/96kHz D-to-A converters
- ◆ High quality 24 bit/96kHz 1/4" stereo headphone/monitor output from DSP

#### Digital I/O

- ◆ 8 channels of ADAT optical I/O
- ◆ Stereo switchable AES/EBU (XLR) and S/PDIF (RCA) I/O with Sample Rate Conversion from 48 to 96 kHz on the fly.
- ◆ Word Clock I/O (2x BNC), switchable between 1x & 256x Clock, allows professional synchronization of multiple boxes to external studio clock.



#### Also Available ULN-2 Ultra Low Noise I/O

- ◆ The ULN-2 is a two channel interface that delivers the power, portability and sheer sound quality of Mobile I/O in an even smaller, lighter package.
- ◆ Mobile I/O ULN-2 supports simultaneous input and output of analog balanced & unbalanced (Mic, Line and Instrument), S/PDIF, AES, and IEEE 1394.
- ◆ Balanced analog inserts are also provided for each input.



- ◆ Mobile I/O 2882 and ULN-2 are both Macintosh OS 9 and X; ASIO and CoreAudio compatible.



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# NATIVE INSTRUMENTS

## FM7



*The lively and punchy FM sounds were a breakthrough in sound synthesis when they were first introduced in the early 80's. Today, their special aesthetics are still highly appreciated by musicians and producers worldwide. FM sounds complement the sounds of analog and virtual analog synthesizers very well.*

*The FM7 not only reproduces the sounds of these machines exactly-right down to the smallest detail, but takes the legendary sound of FM synthesis to a new level. The FM7 reads the complete sound library of the classic DX synths (DX7, DX7-II, DX11, TX81Z, DX21, DX27, DX100, TX802), plus adds distortion and filter operators, extensive modulation capabilities, a comprehensive effects section, audio input and much more to the traditional FM architecture. The user interface of the FM7 makes it comfortable and easy to explore the fascinating new possibilities of FM – Native style.*

### FEATURES

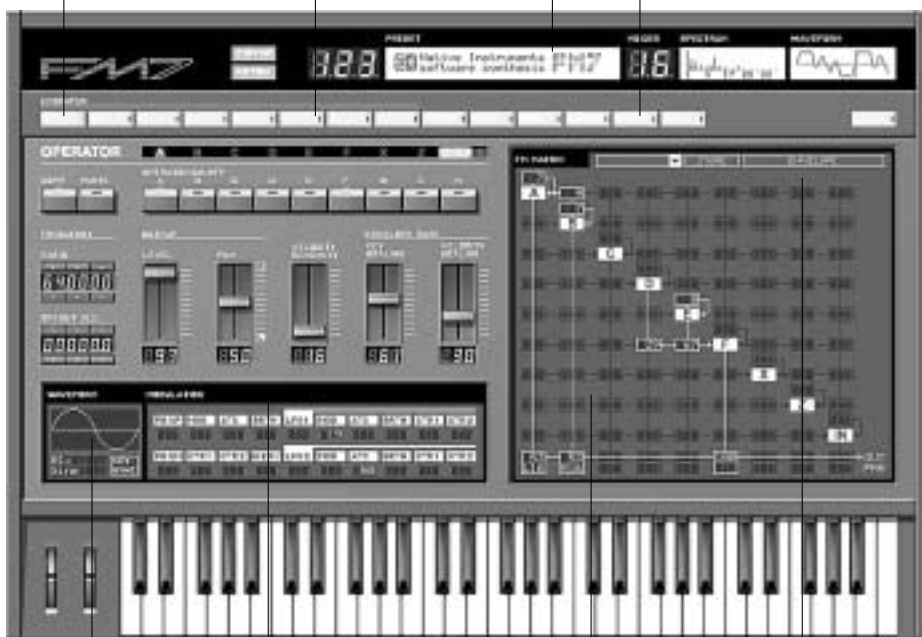
- ◆ The FM7 is more than an emulation. Enjoy the authenticity of the classic presets, and then transform them into something completely new. For example, each of the operators of the FM7 offers many waveforms besides sine.
- ◆ Additionally, a distortion operator with noise and an analog filter operator complement the waveform operators and increase the sonic range of the FM7, far beyond classic FM synthesis. Unlike the classic, FM routing can be set freely – you are not limited to preset algorithms. The effect section offers high quality stereo chorus, flanging and delay effects.
- ◆ Advanced graphical editors offer intuitive access to FM synthesis including a powerful analog-style Easy Edit page.
- ◆ While retaining compatibility to DX-Series instruments, it expands the sound repertoire and vastly improves the ease of use.
- ◆ With hardware synthesizers you have to choose between rackmount or keyboard version—now you get both plus a full graphical editor—at the press of a button.
- ◆ Includes a library of 256 top quality presets putting a wide selection of standard and unique new sounds at your fingertips. Go straight to making music without having to program any sounds.
- ◆ To make programming easier, FM7 has a page of dedicated analog-style controllers. Here, one knob can change the sound in drastic but intuitive ways, for example by turning up the Brightness, overall Decay Time, or Effect Depth.

*Six identical Waveform Operators (the basis of FM synthesis), each sensitive to velocity for highly expansive control over the sound. The Operator is controlled with 32-bit accuracy and its frequency can be set with 6 digit precision.*

*FM7 has two additional Operators. X Operator provides distortion and noise for adding grunge to the sounds. Z Operator contains analog style filters to make the sounds warm and fat as desired.*

*Includes a library of 256 top quality presets, putting a wide selection of standard and unique new sounds at your fingertips.*

*To make programming easier, the FM7 has a page of dedicated analog-style controllers. Here, one knob can change the sound in drastic ways*



*Each of the Operators can have a different digital waveform. There are 32 different waveforms including Square and Sawtooth, giving each Operator a huge sonic potential.*

*Has a huge modulation matrix where the two LFOs and the performance controllers can be routed to control all the operators and the pitch, for expressive playing.*

*In the FM Matrix, the signal flow between the Operators is displayed and edited. Each operator can have a different stereo position to give a lively, spacious sound.*

*Each operator has its own Envelope. The Envelopes are very powerful with up to 32 stages, an adjustable curvature in each stage and sustain looping. They can also be synchronized to the song tempo.*

# NATIVE INSTRUMENTS

## PRO-53

COMPUTER SOFTWARE

1090



*The Pro-53 is an incredibly faithful reproduction—in both sound and look—of one of the most popular analog synthesizers of the 80's. A virtual instrument fashioned after the Sequential Circuits Prophet -5, the Pro-53 combines the sonic properties of the unique originals with the practical requirements of the present day.*

*But the Pro-53 also adds 21st century technology to the immortal sound of the analog era—no fixed limit to the number of voices, many times more preset memories, velocity sensitivity, MIDI automation of all available parameters and the option to run several Pro-53's in parallel. And with the PRO-53, the third generation of the virtual analog classic is here. The synthesizer emulation has been vastly improved by a new oscillator technology that offers an even warmer and more brilliant sound. In addition the sonic possibilities have been expanded even further with new features like a high-pass filter mode and an invertible filter envelope. The control surface was also reworked and now shines in a whole new light.*

### FEATURES

- ◆ Complete analog voice architecture with comprehensive sound shaping facilities
- ◆ Accurately recreates the unique sound, panel design and synthesis architecture of the original:
  - 2 oscillators per voice
  - Choice of pulse, triangle and saw-tooth waveforms
  - Oscillator detune and synchronization
  - 24dB low-pass filter with resonance and self oscillation, plus high-pass filter mode
  - ADSR envelopes for amplitude and filter, invertible filter envelope
  - Low Frequency Oscillator with numerous modulation options, LFO-envelope retrigger function
- ◆ Almost 600 classic and modern analog sounds cover any eventuality., 64 of which were specially programmed by the legendary John Bowen, one of the creators of the Prophet-5 synthesizer.
- ◆ An optional 64 new sounds can be downloaded direct from NI for under \$20. The sound set was created by Peter Krischker and contains sequencer sounds, pads, sweeps, effects, basses and lead sounds. It is suitable for musical styles like Trance, Electro, Techno, Ambient and Pop.
- ◆ 512 preset memories are available where you can store your own sound creations. The Pro-52 displays a name for each of the presets, unlike the original which only displayed the preset number.



*Large knobs and switches provide easy, ergonomic operation and convenient editing*

- ◆ Has an audio input for processing external audio signals through its filters and effects.
- ◆ Adjust the amount of inaccuracy and detuning inherent in the sound circuitry
- ◆ Integrates perfectly into any computer-based virtual studio. Supports VST, DXi, MAS and DirectConnect interfaces. Can be used as a sequencer plug-in or as a stand-alone synthesizer.
- ◆ The Pro-53 can import Prophet-5 SysEx sound data, which means it can read and accurately reproduce all the existing sound libraries made for the original. The subtle deviations from perfect behavior which are typical of analog circuits and crucial to the sound, can now be fine-tuned.
- ◆ A built-in effects unit adds multi-echo and ultra-fat chorus and flanging effects. This makes the sound of the Pro-53 'complete' for both live performance and studio production. The included preset sounds make extensive use of the effects.
- ◆ Realtime control and automation of all parameters using MIDI controllers Plus the MIDI-implementation is much more versatile. With MIDI-learn the control elements can be operated by hand by assigning them to the desired controllers, for example the knobs and sliders on a MIDI controller box. The set-up connections can be saved in a controller-map. Several pre-configured controller-maps come with the software and can be loaded directly into the PRO-53.



[www.bhphotovideo.com](http://www.bhphotovideo.com)

# NATIVE INSTRUMENTS

## B4 ORGAN



*The B4 is a complete virtual tonewheel organ, capable of reproducing in authentic detail the sound of the legendary B3 organ and rotating speaker cabinet. A state-of-the-art MIDI-automable audio engine transparently operating behind the photo-realistic graphics, the B4 can be used as a stand alone application using ASIO or VST 2.0, MAS, Direct Connect or DXi plug-in.*

*The B4 also adds flexibility in sound generation and seamlessly integrates into the recording environment, making it possibly the best organ since the original. Native Instruments carried out a painstaking analysis of the electro-mechanical sound generation and tube circuitry of the best organ and speaker cabinet combinations. The resulting software model, based on the same NSP-technology as NI's award-winning Reaktor system, produces sound virtually indistinguishable from the original hardware.*

### FEATURES

- ◆ Unlike sample-based instruments, the B4 accurately models subtle details such as harmonic foldback, drawbar crosstalk and loudness robbing. The result is a warm and powerful sound over the entire range of the keyboard, complete with the subtle tonal shades that improve playability and musicality.
- ◆ Capable of all the variations one expects from this type of organ, and is suitable for any flavor of music, be it rock, jazz or house.
- ◆ A set of knobs on the "rear panel" gives access to numerous adjustment parameters, which allow the sound to be tailored for particular applications.
- ◆ You can even use the B4 to process other sounds. Just plug it in as a VST Insert Effect and apply any combination of Scanner Vibrato, Tube Overdrive and Rotating Speaker effect to your tracks.
- ◆ Full MIDI control and automation—each and every parameter is mapped to MIDI controllers so that all settings and their changes can be easily automated and manipulated in realtime.
- ◆ The B4 has two views, one of which shows the two manuals, the bass pedals and other knobs relevant for playing. The second view skips the manuals and pedals but gives access to extended settings.
- ◆ With the optional B4 Tonewheel Set Vintage Collection you can replace the B3-modelled tonewheels with those of a Vox Continental, a Farfisa Compact, or a Harmonium to give your B4 a totally new character. Theset also permits the master-tuning to be altered, and to "age" the sound in six different levels, from "well matured" to "far beyond repair."

*Patented Scanner Chorus/Vibrato effect can be switched on and off separately for the two manuals. The rotary switch chooses one of 10 Banks of Presets, containing the famous music sounds.*

*12 inverse colored keys are used to select presets not only for the Drawbars but to give total recall for all settings affecting the organ, amplifier and rotating speaker.*

*Nine drawbars per manual, another six drawbars for the bass pedal channel. The drawbars allow a huge number of different timbres to be selected.*



*Rotating speaker speeds can be realistically sped up and slowed down. The rotation speeds can be adjusted with complete flexibility on the virtual rear panel.*

*Percussion Circuit can be activated to amplify one of the Upper Drawer tones and lets it decay over time—essential for Jazz and other styles. Any of the nine drawbars can be selected for the effect, and speed of decay and percussion volume are adjustable.*

*The built-in Tube Amplifier can be operated in clean or overdrive mode. The rotating speaker simulation provides that lush, swirling spatial sound experience. The amount of both effects can be adjusted.*

# NATIVE INSTRUMENTS

## VOKATOR

### Vocoding in a New Dimension

*Vokator provides a revolutionary suite of vocoding tools with unrivalled flexibility and outstanding sound quality. Powered by an extremely high-resolution FFT spectral engine, Vokator sets the standard for vocoding transparency, detail, and smoothness. In addition to an exceptional vocoder, Vokator boasts a sophisticated synthesizer and a granular sampler: a virtual sound-fusion laboratory. With advanced features and multiple modes of operation, Vokator opens vast new worlds of sound-design possibilities. In addition to external audio sources, you can also use internally-generated signals from the synthesized/sampler and the audio file player. So Vokator places both an effects plug-in and a vocoder-based synthesizer at your disposal. Each input section has a delay unit, a dynamic processor and several special effects in the spectral domain.*

### FEATURES

- ◆ Vokator's FFT spectral engine is a milestone in vocoder development. Previous vocoders used eight, sixteen, twenty, or even thirty-two frequency bands – the more frequency bands, the smoother and creamier the effect. Unlike its predecessors, Vokator's advanced engine uses 1024 bands. In addition to its stunningly transparent, full-resolution operation, Vokator's bands can even be grouped together for a convincing vintage-vocoder emulation. To ensure optimal dynamic range across the frequency spectrum, an integrated frequency-domain compressor balances the levels of all bands.
- ◆ A pair of vocoding channels can either be spectrally combined or played independently. Channel A can be switched between an integrated file player or external input A, while Channel B can be set to a full featured synthesizer, a time-stretching granular sampler, or external input B. For a traditional vocoder effect, the frequency spectrum of the external input would be controlled by the synthesizer, but Vokator's capabilities are much more advanced.
- ◆ Vokator is both an effect plug-in and a vocoder-based synthesizer. Its synthesizer features an advanced dual-oscillator design with dynamic preset morphing controlled by the modulation wheel. Vokator's granular sampler can independently control a sample's pitch and time. A full range of modulators – step sequencers, envelope followers, LFOs, and more – can be easily routed to nearly any of Vokator's parameters.

*Each input section has a delay unit, a dynamic processor, and several special modulation effects in the spectral domain.*

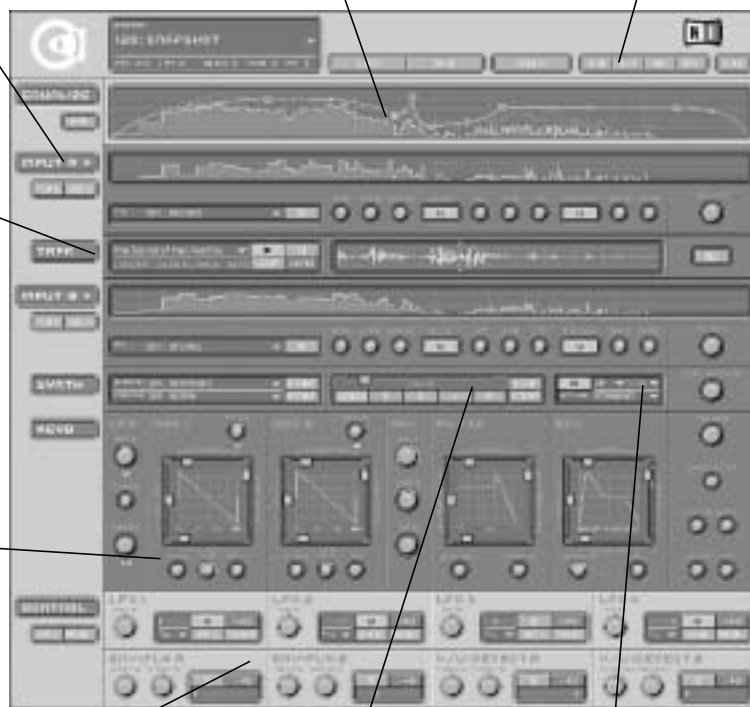
*A MIDI-controllable audio file player, with loop function and waveform display, can stream large audio files from the hard disk.*

*Editing is straightforward with graphic display of envelopes, and waveforms. The synth's two oscillators can be replaced with a re-synthesizing granular sampler which allows start, loop, pitch, and speed modulation.*

*LFOs, envelope followers, voiced/unvoiced detectors, and step sequencers can modulate nearly any parameters. The yellow ring around a knob indicates the value of the respective modulation.*

*The graphic displays show the spectral composition of the audio signals. The main display also serves as a graphic EQ for drawing in precise filter curves for the output signal.*

*Each of the two inputs can act as carrier or modulator. In mix mode, both inputs work as carrier and modulator.*



*The morph function opens a new sonic dimension by allowing smooth transitions between synthesizer presets. The morphing is controllable in realtime by the modulation wheel.*

*The integrated arpeggiator provides different styles, directions and articulations to trigger the synth section.*

# NATIVE INSTRUMENTS

## SPEKTRAL DELAY



### Effects Software

*Spektral Delay differs from other effects in that it uses real-time FFT (Fast Fourier Transformation) to split up each channel of a stereo signal in up to 160 separately modifiable frequency bands (even up to 1024 bands internally). The level, delay time and feedback amount for each of this bands can be set separately. Additionally, various modulation effects can be applied to the signal in the frequency domain, which allows for even further sound manipulation.*

*And while Spektral Delay offers exceptionally great possibilities for creative sound design—from subtle corrections and rich effects to the total alienation of the input signal—it is still easy to use since all parameters are controlled intuitively and comfortably from the graphical user interface. Stand-alone or as a plug-in, it offers professional sound quality and can be fully controlled by MIDI.*

### FEATURES

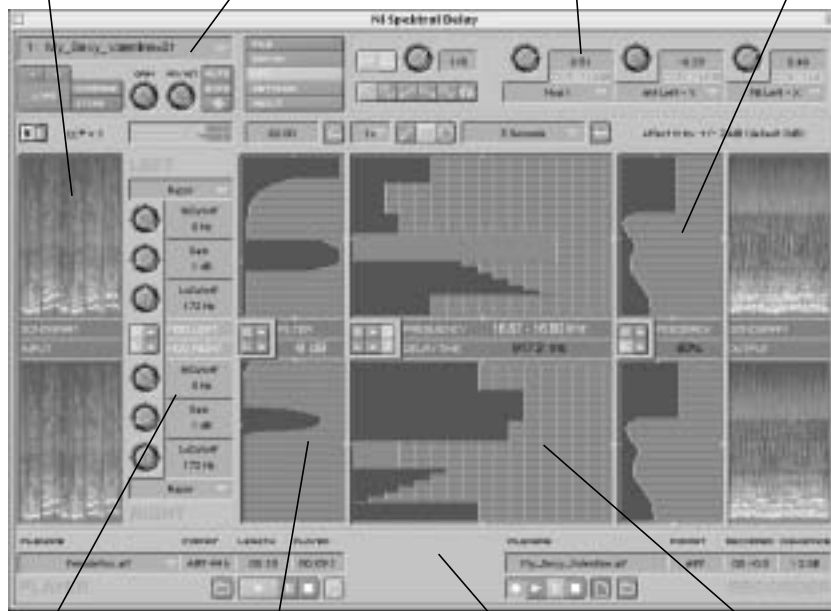
- ◆ Intuitive Edit Graphs let you design delay times and feedback levels for each frequency band: each of the up to 160 bands per side can be delayed and fed back separately.
- ◆ Delay times can be aligned with the rhythm via a selectable tempo grid. With up to 12-seconds delay, Spektral's range covers everything from subtle coloring to rhythmic flowing of the partial tones to dense, atmospheric sound textures.
- ◆ Modulation effects (expandable by plug-ins) are applied in the frequency domain of the signal and offer many unusual processing options – such as rotation of the frequency bands or reverb simulation by 'smearing' the amplitude courses of the bands—a big factor in Spektral's unique sound possibilities
- ◆ The amplitudes of the bands are also controlled intuitively by drawing in the Edit Graph with the mouse. Unlike conventional filters, the filter curves resulting from this can have any shape— design any filter response imaginable, from extreme settings to smooth sweeps. The filter curves can be drawn commonly or separately for the two channels of a stereo signal.
- ◆ All parameters such as filter, delay and feedback settings can be modulated with an integrated LFO or via MIDI. This makes it possible to create very organic and lively effects which can easily be played live.
- ◆ Includes many presets for different applications (e.g. guitar, vocals, drums, ambiences, reverberations, special effects). Runs stand-alone (Mac/Win) with MME, Direct Sound, Sound Manager and ASIO or as a plug-in with a VST- or DirectX-compatible host.

*Real-time sonograms display the spectra of the audio signal at both the input and output stages, allowing you to visualize the frequency content of the sound and to see exactly how the processing has effected your sound.*

*Master Control Panel gives you direct access to presets as well as controls for freezing the spectrum in the delay buffer, controlling the gain of the processed audio, and mixing between the wet and dry signals.*

*An LFO section with sine, triangle, square, random, saw up, and saw down waveforms can be routed to any of the six edit graphs for very creative modulation possibilities and can be synced to an external tempo*

*Feedback Matrix editor gives you the power to apply a different feedback ratio for each frequency range, allowing you to generate creative ambiences, echoes, flanges, and phasing effects.*



*Input Modulation modules offer a wide range of unique processing algorithms, such as Deterioration, Foam, Sponge, Imprint, Horse Tail, Jello Mold, Razor, and Smear.*

*Input Filter section is controlled by an easy to use edit graph. Simply draw a gesture into the filter matrix with the pencil tool and you immediately effect the input signal with these filters.*

*Stand-alone version offers an integrated sound file playback and record deck, letting you feed SPEKTRAL with sound files of your choice and record your processing directly to disk.*

*Delay Matrix allows up to 12 sec. of delay for each frequency band. Modulate the gesture with the LFO or the automation tool, and all movements can be recorded and controlled by MIDI.*

# NATIVE INSTRUMENTS

## REAKTOR 4

COMPUTER SOFTWARE

1094



### Generate the Future of Sound

*REAKTOR 4 is a complete sound design studio with almost endless possibilities for producing and performing music. Use it as a synthesizer, sampler, effects processor, groovebox, and much more. High quality signal processing algorithms and the 32-bit floating point precision of the audio engine guarantees sound quality that meets the highest demands. The steadily growing REAKTOR libraries contain hundreds of different instruments with thousands of presets for a wide range of sound generation and audio processing applications. All instruments can be modified freely, and even building your own instruments from scratch is possible. Runs stand-alone or as a plug-in for Windows and Mac with minimal latency and very precise MIDI timing.*

### FEATURES

#### The Library

REAKTOR 4 offers a huge and growing library with staggering instruments, music machines and effect tools. Explore analog modelled, additive, FM, and unique synthesizers. Groove with real-time time compression and expansion. Mix with compressors, EQs, pitch shifters, filtered delays, distortion, and up to sixteen channels of surround. Everything is immediately at your fingertips, from authentic emulations of classic gear to creations never heard before.

#### The REAKTOR Principle

REAKTOR 4 offers over 200 basic modules which are the source material for creating any sound generator or effect-processor you can think of: Numerous "analog" and sampling oscillators, various filters and envelopes, shapers, delays, sequencers and much more. You can interconnect all the modules freely in the structure window.

Macros are used as "shortcuts" to quickly recall a set of modules or structures and allows a more clear and organized layout to your designs. You can even have macros within macros. First-time users can be designing their own creations in no time.

Instruments are the next level up consisting mainly of macros, but also modules as well. It has its own MIDI parameters, program memory, and a separate panel window for the controllers. Several instruments can be combined together in a "multi-timbral" like environment giving you the power to create entire songs with REAKTOR 4.

#### Newest Modules

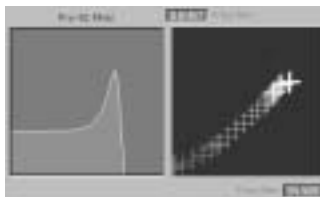
REAKTOR 4's latest modules cover everything from analog-modelled filters to innovative graphical control elements, from multi-tap delays to hard disk recorders and players, from granular synthesis to matrix mixers.

#### XY Control and Realtime Display

The multifaceted XY objects turn REAKTOR 4 into a powerhouse for musical and visual performance. Visualize your sound or plug in oscillators just to see what patterns emerge. The XY objects can be resized as big as you like. By moving the mouse within the XY control area, you can control two parameters at once, while an oscilloscope, waveform, or pattern is displayed underneath.

#### Audio- and Event-Array

Draw your own envelopes, sequences, waveforms, and more. The Audio Array can import any sound file and cycle through it at any frequency. Create oscillators out of audio files. The Event array can be used to draw in envelopes with an unlimited number of curves.



#### Analog Modelled Filters

Taken straight from the acclaimed Pro-52, the Pro-52 filter module gives you the warmest analog sound, but under complete control. The Ladder filter module is an authentic emulation of the classic Moog filter.

#### Grain-Cloud

The Grain Cloud module gives you the power of granular synthesis with the ease of use, sound quality, and control that REAKTOR is famous for. Built-in randomized jitter lets you create delicate clouds of sound or complete sample shredding. Coupled with the advanced control elements that REAKTOR 4 offers, this module is a monster.

#### Hard Disk-Recording and Playback

Record your inspiration directly to hard disk, or stream files of unlimited length through REAKTOR 4 with the tape deck modules.

#### 8-Tap-Delay and 8-Channel-Scanning-Mixer

The 8-Tap Delay module lets you create surround delays and reverb early reflections. In combination with the Scanning Mixer you can make effects like the classic Scanner Vibrato as used in the B4. The Scanning Mixer module takes a floating point input between 0 and 8 to route audio dynamically from its eight inputs with crossfading. The Multi Tap Delay lets you set eight individual delay times and send each delay tap out of its own output. It's possible to create surround reverbs and delays of incredible realism and complexity.



ONE HOUR FREE PARKING

AT 349 W. 34th STREET (with purchase of \$100 or more)

# NATIVE INSTRUMENTS

## REAKTOR 4

### User Interface

User interface features drag & drop functionality, professional metering, enhanced toolbar, the floating inspector, visual samplers and analog modelled filters. All knobs, sliders, buttons, and toolbar offer great clarity. REAKTOR 4 also lets you customize your environment by choosing any color for the Panel background and the Selection color.

### Drag & Drop

Drag & Drop functionality makes it easy to get audio files, instruments, and macros into REAKTOR 4. Download some new macros from the Internet, drag them into REAKTOR 4, then start to make music. You also have the ability to insert multiple audio files into a sampler module. Getting ready for a live performance? Drag 128 audio files into a Beat Loop module and you're ready to roll in seconds.

### Professional Metering

Level Meters have two resolution modes (coarse and fine) and are as accurate and as fast as any digital metering. All Level Meters can also have a value readout to accurately monitor your audio levels, or to act as numerical displays for any object.

### Enhanced Toolbar

Toolbar provides very accurate input and output metering, and can also be undocked and used as a floating palette. Toolbar lets you select sample rates up to 96 kHz, type in a tempo, and assign MIDI controllers to any panel element. It also displays CPU load, manages snapshots, polyphony, and more.

### Floating Inspector

All parameters in REAKTOR 4 are set with the floating Properties Inspector. You can modify several modules one after the other, even if they are not related.

### Visual Sampler and AKAI Import

All Sampler Modules can display their audio data in the Panel Window. Any compatible sound file can be dragged and dropped into the sampler's Property Inspector for instant use, and AKAI sample data can be imported from AKAI-formatted CDs.

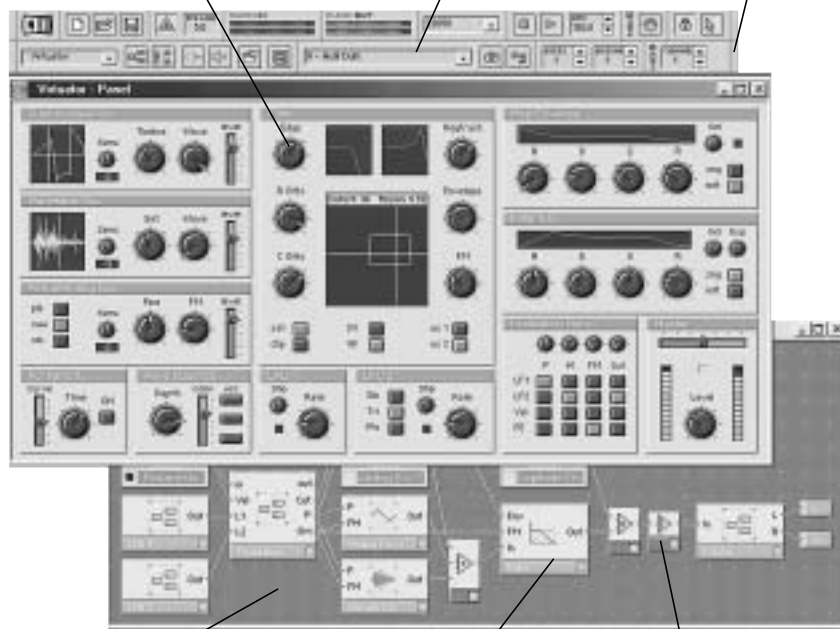
The main views of REAKTOR 4 are the panel and the property windows, and they are separated to make it easy to design, build, and perform. Convert your computer into a synthesizer, sampler, groovebox and effects processor. Build your own instruments and discover the treasures in the huge instrument libraries.

The panel is the user interface for an instrument. It can be freely designed. So it is possible to exchange knobs for faders, change the size and position of panel elements and add new buttons, knobs, lamps and more. All panel elements can be assigned to any MIDI controller. Property windows give access to the specific parameters of instruments, macros or panel control elements. A panel elements look, range of values, MIDI controller information and more can be set by double-clicking on the element.

Control elements such as faders, knobs, buttons, and switches are used to control the instruments. Filter curves, envelope displays, level meters and oscilloscopes show you what is going on.

Snapshots are saved settings. Since the positions of all parameters in an instrument are saved in a snapshot, it's possible to save a sound, an effect setting, or even a drum or sequence pattern.

Toolbars show the most important parameters of REAKTOR 4 and give access to frequently used functions (input/output levels, MIDI activity and CPU load are also monitored here). Snapshots can be stored, modified or recalled from the toolbars.



The structure shows the internal machinery of an instrument. Here, macro and modules—filters, oscillators, LFOs, envelopes, etc.—can be placed and connected together.

Macros encapsulate a combination of modules, their wiring and the associated panel controls. Macros make it possible to organize instruments in a hierarchical way. REAKTOR 4 offers a comprehensive library with premade macros to quickly build up new instruments.

Modules represent the elementary processing functions and panel elements. REAKTOR 4 comes with more than 200 modules: oscillators, samplers, filters, envelopes, shapers, delays, step sequencers and much more.

# NATIVE INSTRUMENTS

## REAKTOR SESSION

COMPUTER SOFTWARE

1096



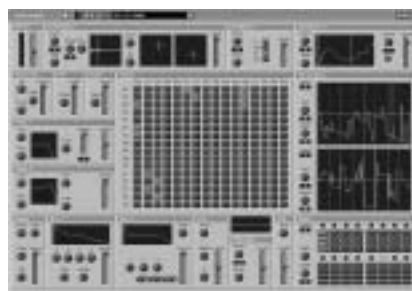
### *Access to the Future of Sound*

*REAKTOR SESSION is your key to a world of exceptional software instruments. A vast library of synthesizers and resynthesizers, samplers and beat-loopers, groove and drum machines, surround and innovative effects, and sequencers can be instantly integrated into your studio. Each instrument includes a wide range of preset sounds for instant use, while convenient patch management lets you create and save your own sounds.*

*REAKTOR SESSION lets you freely design your own studio from pre-built instruments. Multiple instruments can easily be connected together in the streamlined structure editor. Mix sequencers, synthesizers, samplers, and effects. It lets you effortlessly realize your studio ideas with its intuitive user interface. A built-in instrument/sample browser and convenient features such as prelisten, replace, and insert make the selection, and addition of instruments easy.*

### FEATURES

- ◆ The highly-optimized DSP algorithms of the 32-bit engine and up to 192 kHz sample rate support ensures unsurpassed sound quality with very little CPU usage.
- ◆ All user interface objects can be fully controlled over MIDI via the MIDI learn function. After the activation of MIDI learn for the desired parameter, move any hardware controller, such as a knob on a MIDI controller, and that hardware control will automatically be assigned to the desired parameter. Naturally, all MIDI settings are saved with the instrument.
- ◆ Runs on Mac and Windows with minimal latency and excellent timing, and smoothly integrates into the virtual studio as a VST 2.0 or DXi plug-in. Even the most complex REAKTOR creations appear as one plug-in under VST and DXi, and multiple instances can be opened simultaneously. As a stand-alone application, supports ASIO, DirectConnect, and MAS.



*Matrix Modular: One example out of several hundred instruments which can be easily loaded into SESSION*

### *REAKTOR Instruments in Your Studio*

In the Studio Panel you can control the instruments you have loaded. You can select, change, and create sounds, effects settings, and sequencer patterns. You can add and remove instruments, or simply rearrange their order. The instrument info display show MIDI activity and allows you to recall and save presets, mute and solo the instrument, select the MIDI channel, and choose general instrument settings.

### **SYNTHESIZERS**

The REAKTOR SESSION library offers a world-renowned collection of synthesizers from analog-modeling to FM, from wavetable to additive. Each synthesizer includes many presets for an astonishing range of sounds right out of the box. High quality oscillators, filters, and envelopes produce warmly authentic "analog" bass, lead, and string sounds. FM, ring-modulation, and hard-sync synthesizers produce a broad scope of organically complex and metallic sounds.

### **SAMPLERS AND TRANSFORMERS**

Included sampler and transformer machines enable everything from quick and convenient sampling to a full granular workout. Samples can even be used as waveforms, or as the basis of FM synthesis and waveshaping. Several resynthesis instruments in the library allow you to vary speed and pitch independent of another, and even to freeze the sound in time. Realtime timestretching and pitch shifting let you perform live intuitively and quickly. A built-in loop recorder lets you easily create new loops to use in your sequencer program, or to put back through REAKTOR SESSION's samplers and effects.

### **SEQUENCERS, DRUM & LOOP MACHINES**

Many instruments in the library combine synthesis and sampling with sequencing for a variety of sequenced synths, beat boxes, and loop manipulators. A global tempo control ensures that multiple sequencers and even loop playback will always run in sync. Graphical note editors and random pattern generators create inspired tools which can be used for the creation of new loops, or can be played live.

### **EFFECTS**

SESSION can be used as an extremely flexible effects processor. Process sounds in VST or DXi, from the audio inputs, or from the internal instruments. The effect library covers a full range of delay, reverb and modulation effects, filters, distortions, and dynamics processors, panning and surround effects, and granular pitch and vocoder effects. All effects can be combined for the creation of completely new real-time processing chains.

### **MIXER**

A comprehensive selection of mixers and routers allow you to mix the input signals and instruments together, and to combine insert and send effects into the signal flow.



# NATIVE INSTRUMENTS

## ABSYNTH



*The benchmark for soft-synths, the powerful semi-modular architecture and clean interface of ABSYNTH make it easy to sculpt everything from organic textures to rhythmic madness to vintage sounds. ABSYNTH's unique strengths lie in its multiple synthesis techniques combined with the most flexible envelope control ever. Forget everything you know about modulation - with ABSYNTH you can create everything from timbrally morphing percussive loops to physical modeling textures to time-evolving soundscapes. Any parameter adjusted in ABSYNTH is immediately heard without clicks or glitches. To taste ABSYNTH's power, draw the shape of your LFO with the mouse while twelve 68-point rhythmic envelopes twist your sound as you perform on a keyboard or MIDI sliderbox.*

### Patching and Waveforms

Flexible patching scheme makes it easy to combine subtractive, FM, AM, ring modulation, and waveshaping. Offers 6 oscillators, 4 filters, 3 ring modulators, a waveshaper and a delay processor per voice along with unprecedented graphical modulation capabilities. Start creating sounds immediately in the Patch Window - no need to create your own structures. Model your own waveforms. Draw waves directly or use the spectrum mode to trim individual harmonics. Mix, modulate, filter or fractalize waves and hear the results while you edit.

### Envelopes and LFOs

Over a dozen graphical envelopes with up to 68 breakpoints each. Create rhythmical envelopes with an integrated tempo-based function generator. Control almost any parameter with an envelope and edit multiple envelopes at the same time. LFOs can modulate pitch, amplitude, filter, FM depth, pan, and delay time.

### Effects, MIDI, and Recording

Modulated delay effects can be tightly integrated into each patch. Delay times can be as short as one sample and as long as 10 seconds. And nearly every parameter in ABSYNTH can be modulated by MIDI continuous controllers, after touch, velocity, and note number.

### Sounds

Comes with over 700 sounds - from classic resonances to acoustic emulations, from poignant pads to powerful percussion.

### Plug It In

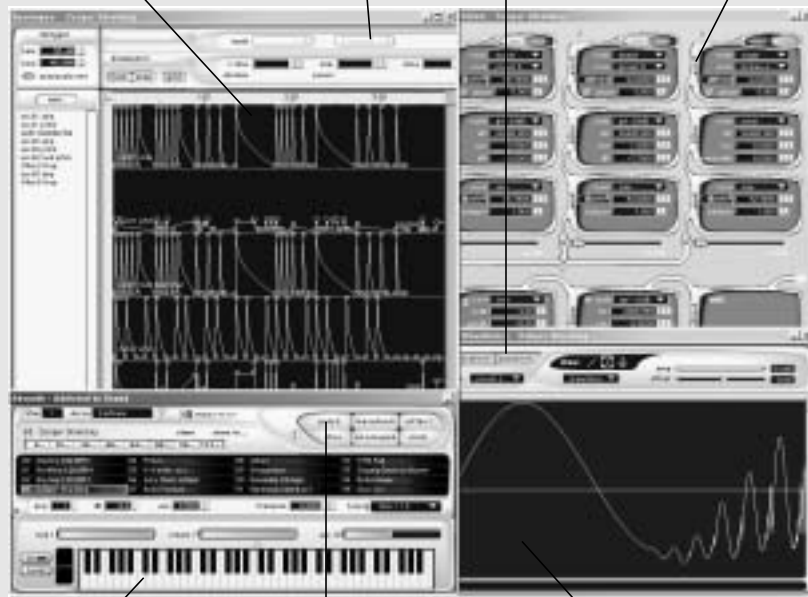
Run up to eight instances of ABSYNTH in any VST 2.0 compatible host. Create massive rhythm ensembles or ambient textures with hundreds of oscillators. ABSYNTH also supports MAS, ASIO and DirectConnect to fit into any system.

*With up to 68 breakpoints per envelope and four modes (loop, retrigger, sustain, release), you can sculpt how your sound evolves over time and view multiple envelopes at the same time.*

*Build rhythms using ABSYNTH's envelopes. Using the pulse function generator, you can specify a tempo to create percussive patterns. Control anything with the envelopes - from amplitude to pitch to FM parameters to filters.*

*Spectral Waveform Editor lets you specify the harmonics and ABSYNTH does the rest - in real-time. Hear how your waveform sounds as you make harmonic gestures, or tweak the spectral view to fine tune your shape.*

*Choose between different synthesis methods and construct your sound by adding a wide selection of filters, wave shapers, and effects. Create a patch with up to six oscillators, four filters, three ring modulators, a wave shaper and master effects.*



*Compact yet informative VST window gives you a clear overview of the most important parameters. By clicking on any of the edit buttons in the top right, you can instantly edit any ABSYNTH parameter.*

*Use any waveform (even ones you've drawn yourself) or a sample and hold function as an LFO. Type in the frequency with four-decimal-place precision for locked tempo synchronization. Control effects, filters, FM parameters, oscillators, or any combination.*

*Draw in your own waveform and hear the results in real-time. Convenient editing tools let you draw parabolic shapes or free gestures. The waveform you draw can be used as an oscillator, an LFO, or a wave shaping function.*

# NATIVE INSTRUMENTS

## BATTERY

COMPUTER SOFTWARE

1098



### Drum Sampler

*Breathe life into your drum samples. BATTERY boasts separate sound parameters for 54 instruments, powerful modulation capabilities and unbeatable ease of use. It fulfills even the highest demands regarding precision, sound quality and flexibility, plus it is fast, effective, intelligent and convenient. It has sample-accurate timing, internal 32-bit resolution, up to 128 velocity layers per instrument and can play samples at any pitch*

*BATTERY has access to all the biggest sound libraries because it is compatible with AKAI, SF2, LM4, AIFF, WAV and MAP formats. It also comes with 30 high quality soundsets.*

*BATTERY runs either stand-alone or as a VST plug-in on Mac and Windows. It can be played and modulated via MIDI, offers full VST automation and supports all other common interfaces as well. Up to 32 outputs are available which can be configured flexibly as mono or stereo outs.*

### FEATURES

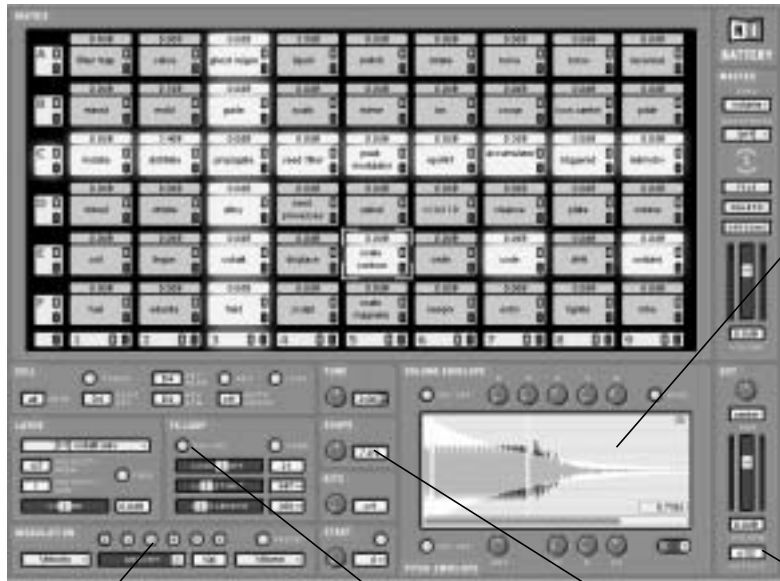
#### Instruments and Samples

- ◆ BATTERY can play 54 instruments at a time. The matrix and its intuitive drag & drop functionality are a big time saver when arranging samples. Sounds from different soundsets can be easily compared and combined into new soundsets without the hassle of readjusting any parameters.
- ◆ Each instrument offers a complete set of sound parameters and can use up to 128 velocity-switchable sample layers. Samples may be loaded into the matrix from the desktop or using a dialog box with automatic sample preview function. BATTERY accepts samples of any resolution from 8 to 32 bits, and reads AKAI, SF2, AIFF, WAV and MAP formats. Up to three banks in LM4 format can be imported and used at a time, AKAI sounds can be read directly from CD.

#### Sound Shaping

Each of the 54 instruments offers a volume envelope (AHDSR), a pitch envelope (DBD), a bit reduction effect and a shaper for controlling the dynamics. All parameter adjustments are calculated and visualized in the wave display in realtime. Each instrument receives MIDI data on a selected MIDI channel and the pitch can be transposed according to the MIDI notes if desired - useful for basses, for example. Every instrument boasts six modulation inputs for which many useful and drum-oriented settings have already been configured as presets.

*Samples can be selected either across rows and columns or independently. In addition, individual sounds can be grouped and controlled together. When grouped, all slot settings can be changed simultaneously.*



*All parameter adjustments, such as tuning, bit-reduction, waveshaping, volume envelope and pitch envelope are calculated in realtime and immediately shown in the wave display.*

*Every Cell can be routed to an individual output. Battery offers up to 32 outputs, to allow a studio-like workflow.*

*Every cell offers six modulators that can be routed to many parameters simultaneously. Twist a sample from mild to wild. The included presets give many examples of modulations that can be applied to a wide variety of sample material.*

*Each instrument has an FX Loop that can be activated to repeat a chosen area of the sample a given number of times. This is very useful for creating modern and innovative rhythmic sound effects, akin to extreme time stretching or granular synthesis. Create everything from repeated syncopation to machine-gun effects.*

*Tuning, shaping, quantizing will warp the sound to make it stick out from the mix or blend it in perfectly.*



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# NATIVE INSTRUMENTS

## KONTAKT



### Advanced Software Sampler

One of the most powerful samplers ever created, KONTAKT fuses an innovative design with an advanced sampling engine. The result is an inspiringly fast and intuitively flexible sampler with exceptional sound quality. In addition to supporting all the standard sample playback and manipulation abilities of its hardware and software predecessors, KONTAKT adds several technologies to give sampling a new dimension. Realtime time-stretching and resynthesis, graphical breakpoint envelopes, an integrated loop editor, analog-modelled filters, visually displayed modulation, and breathtaking efficiency create a sampler with the power to realize the most ingenious ideas. An outstanding sample library containing more than three gbs of sounds in various styles and categories is also included.

### FEATURES

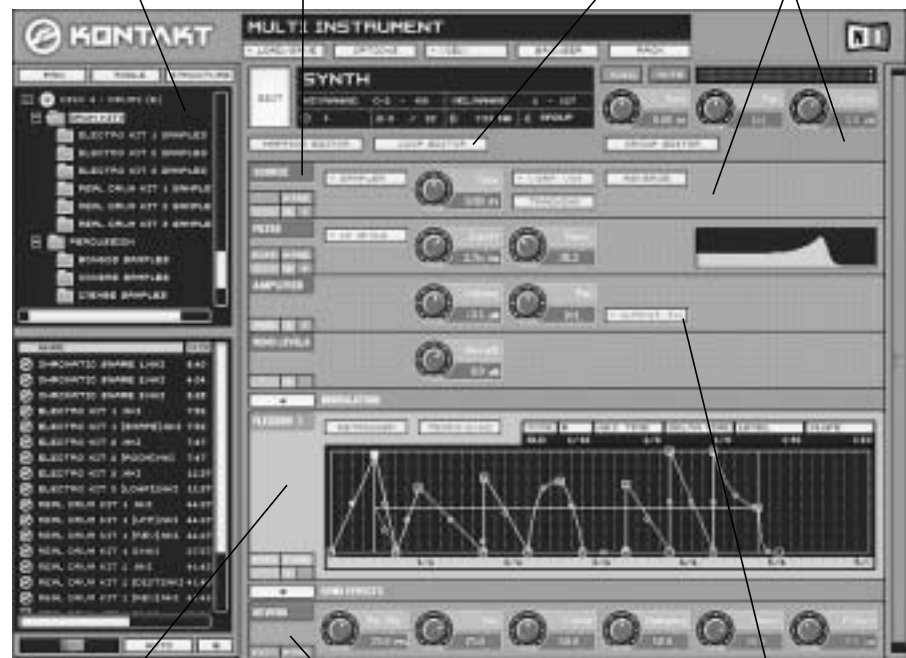
- ◆ Advanced design and dynamic resource allocation ensure that the audio engine always runs at optimal efficiency, for up to 256 stereo voices per instance on a standard computer. Filters, effects, and modulations can easily be added with one click.
- ◆ Has two special playback modes: Time-Machine mode allows for independent manipulation of length, pitch, and formant of each sample in realtime. Tone-Machine mode imprints a playable pitch onto the sample, regardless of the original pitch (or lack thereof).
- ◆ Offers 14 filters from analog lowpass and highpass to exotic sound design filters.
- ◆ A broad range of insert and send effects, including EQs, distortion, delays, and reverbs is also at your disposal.
- ◆ Nearly all parameters can be dynamically modulated by LFOs, breakpoint envelopes, step-modulators, or via MIDI. Time-based modulation can be synced to song tempo. Dynamic modulation means each parameter displays both current and set position.
- ◆ A drag and drop file-browser makes it quick to set up multisamples. Samples can be trimmed and looped within the main sampler window. The built-in graphical loop-editor features seamless looping.
- ◆ KONTAKT can import all popular sample formats, plus it comes with 3GB of top-quality samples, including percussion, acoustic pianos, basses, guitars and vintage instruments. The library makes extensive use of KONTAKT's dynamic modulation abilities for patches that sound truly alive.

Supporting drag and drop of multiple samples, the built-in file browser includes a Favorites function for quick access to commonly used folders.

Samples can be played back normally or with an advanced granular resynthesis algorithm for independent control over length, pitch, and formant.

Quickly and visually set sample start, end, and loop points with the integrated loop editor. The loop editor supports up to eight loop points for evolving sounds.

Filters, effects, and modulation are added as needed. Never juggle windows again, as each new element appears in a scrolling "rack" display.



Nearly all of KONTAKT's parameters can be modulated with LFOs, 32-stage breakpoint envelopes, step-modulators, envelope followers, and more. All time-based modulators can be synced to tempo.

In addition to the filter section, each sound can have an insert effect, including EQ, waveshaper, lowfi, stereo enhancer, distortion, or any of KONTAKT's seventeen filters. A variety of send effects are also available, including stereo chorus, delay, flanger, phaser, and reverb.

Each plug-in instance supports up to 32 outputs in supporting host applications, for a nearly limitless number of virtual outputs. The standalone version also supports up to 32 hardware outputs with an appropriate soundcard.

# NATIVE INSTRUMENTS

## INTAKT

### Shuffle the Groove

*Intakt is a state-of-the-art sampler specifically designed for rhythmic loop playback, manipulation, and mayhem. Intakt's convenient one-screen interface offers tremendous sound shaping abilities without disrupting the creative flow. Using multiple algorithms, Intakt automatically syncs to tempo, and an outstanding library of loops from Zero-G and East West provides ample source material for any musical style. Intakt also provides a wealth of sound shaping options, including a first-class multimode filter, an envelope follower, two LFOs, effects, and more.*



High-end filters and effects

COMPUTER SOFTWARE

1100

### FEATURES

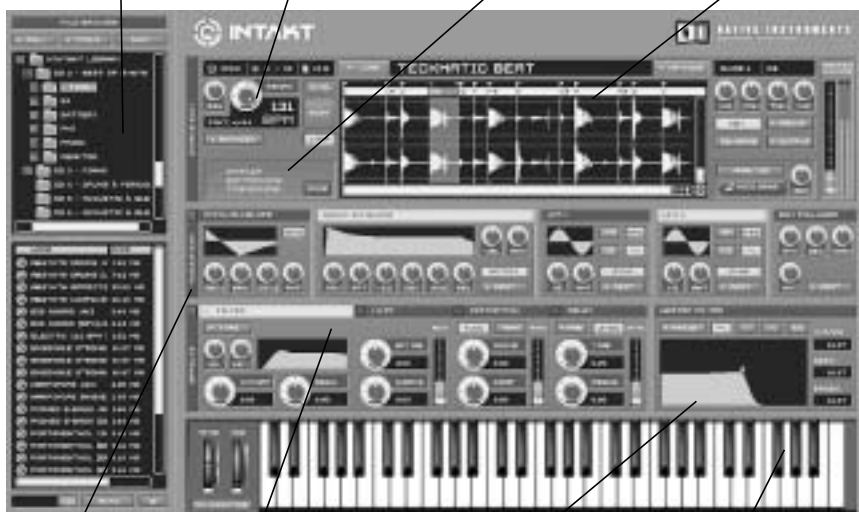
- ◆ Intakt features three sample playback algorithms to ensure maximum sound quality for a variety of source material.
- ◆ Using an advanced peak-detection algorithm, the Beat Machine divides the imported audio into individual hits. Each hit can have individual settings for pitch, playback direction, pitch envelope, amp envelope, distortion, delay, and more. A MIDI file can be easily exported so that groove, accent, and feel can be manipulated in any host sequencer. The Beat Machine can directly open REX files which already contain marker information.
- ◆ Time Machine stretches or compresses the sound in realtime. By first analyzing the source sound, Time Machine dynamically adapts itself to a wide variety of source sounds, from sustained vocals to polyphonic percussion.
- ◆ Sampler mode plays back the source sound like a standard sampler, by linking pitch with time. Intakt uses a sophisticated interpolation to ensure the highest sound quality, even with extreme pitch shifts.
- ◆ Intakt syncs, stretches, pitches, filters, effects and modulates as well. A powerful sound-shaping filter, flexible envelopes, syncable LFOs, and distortion, delay, and lo-fi effects inject energy and life into any loop.
- ◆ Even though Intakt ships with enough loops to produce hundreds of killer tracks, it also imports WAV, AIFF, REX1 and REX2 files, Gigasampler, AKAI, HALion, EXS, Battery, and Kontakt instruments.

*Supports Drag and Drop of samples, instruments. Also includes a Favorites function for quick access to commonly used folders.*

*Intakt easily syncs loops to any tempo. The groove can also be modified with a Shuffle/Swing function.*

*Beat Machine analyzes the audio and divides it into distinct hits. Time Machine dynamically time-stretches or compresses the sound, while Sampler links pitch and time.*

*The pitch, volume, pan, modulation, and effects setting of each slice can be adjusted independently.*



*Intakt features a comprehensive modulation section with a pitch envelope, AHDSR envelope, an envelope follower, and two LFOs with multiple waveforms.*

*A filter with 6 different types (2 pole LP, 4 pole LP, 6 pole LP, 2 pole HP, 2 pole band reject, and 2 pole BP), lo-fi, distortion and tempo-synced delay can be flexibly routed.*

*The Master Filter with lowpass, highpass, bandpass or 3-band EQ puts the finishing touches on the master output.*

*The keyboard displays the actual sample-mapping layout and makes it easy to audition sounds without a MIDI keyboard. The Input Quantize function ensures that live playing is always intakt.*

# NATIVE INSTRUMENTS

## KOMPAKT



### Affordable Software Sampler

*KOMPAKT is a streamlined, professional-quality sampler that provides access to literally thousands of sample-based instruments and libraries. Powered by the efficient KONTAKT engine, KOMPAKT combines intuitive handling and a capable architecture with excellent sound quality. The factory library contains hundreds of detailed and convincing pianos, basses, loops, drums, guitars, strings, and more from the outstanding East West and Zero-G libraries. KOMPAKT is the quickest way to build a production-ready instrument collection, and it can also import KONTAKT, GigaSampler, HALion, EXS, Akai, and other common formats.*

### FEATURES

#### Professional Sound Shaping

KOMPAKT makes no compromises playing and performing sample-based instruments. Powerful multi-mode filters, envelopes, and LFOs give a wealth of creative possibilities. Integrated high-quality reverb, chorus, and delay effects give each sample life and depth.

KOMPAKT offers professional details allowing for convincing realism of acoustic samples. Direct from Disk (with free downloadable extension) playback lets samples be as large as available hard drive space. Eight-part multitimbrality and 256 voice polyphony allow lush arrangements for top productions.

#### Outstanding Library

KOMPAKT features an exceptional selection of sounds. Shipping on three CDs, the 2GB library includes acoustic and electric pianos, basses, drums, loops, and guitars. A wide range of orchestral strings and solo instruments mix perfectly with choirs, brass, and percussion. Synths are covered with vintage leads, pads, basses, and much more.

#### Power and Simplicity

KOMPAKT's clean and intuitive interface doesn't let technology get in the way of creativity. An integrated browser with full drag and drop support makes it easy to find the perfect sound. All important instrument parameters can be immediately adjusted without the need to page, scroll, or fumble through a manual. KOMPAKT puts the world's finest sample-based instruments at your fingertips.

*Integrated file browser supports Drag and Drop loading of instruments, samples, multis and includes a Favorites function for quick access to commonly used folders*

*8 individual instruments with different MIDI, output, and voice settings are combined in a single multi.*

*Adjustable velocity response accommodates various playing styles and controllers. Microtuning presets tune each instrument to unconventional scales.*

*This filter has 6 different modes (2-pole LP, 4-pole LP, 6-pole LP, 2-pole HP, 2-pole band reject and 2-pole BP) that can be set individually for each group.*



*Comprehensive modulation section features three AHDSR envelopes and 4 LFOs (Volume, Pan, Tune, and Filter). All LFO's have a choice of 3 shapes.*

*Three different effects – chorus, reverb, and delay – offer individual settings for each instrument. The effects include presets for easy access to pre-programmed sounds.*

*The Master Filter features lowpass, highpass, bandpass or 3-band EQ to finalize the master output.*

*The keyboard displays the actual sample-mapping layout and makes it easy to audition sounds without a MIDI keyboard.*

# NATIVE INSTRUMENTS

## COMPARISON CHART

COMPUTER SOFTWARE

1102

	KONTAKT 1.2	KOMPAKT 1.0	INTAKT 1.0
Max. Polyphony/Stereo Voices	256	256	128
Multitimbrality	16 Instruments	8 Instruments	1 Instrument
Groups per Instrument	Up to 4096 (user defined/edited)	Up to 4096 (playback only)	Up to 4096 (playback only)
MIDI Channels	1-16	1-16	1-16
Individual Outputs in Standalone Mode	16	16	16
Individual Outputs in Plug-In Mode	32 mono/ 16 stereo	16 stereo	32 mono
Max. Sample Frequency (host dependent)	192 kHz	192 kHz	192 kHz
Sample Bitrate	8-32 Bit	8-32 Bit	8-32 Bit
Virtual Keyboard	No	Yes	Yes
MIDI Input Quantize	No	No	Yes
MIDI Latch	No	No	Yes
<b>Sampler Engine</b>			
Time Machine	Yes	No	Yes
Tone Machine	Yes	No	No
Beat Machine	No	No	Yes
Automatic Loop Synchronization	No	No	Yes
Direct From Disk Playback	Yes	Yes	No
Key Switch: Playback/Editing	Yes/Yes	Yes/No	Yes/No
Release Sample Support: Playback/Editing	Yes/Yes	Yes/No	Yes/No
Cycle-Round-Robin: Playback/Editing	Yes/Yes	Yes/No	Yes/No
Group Fading - Playback/Editing	Yes/Yes	Yes/No	Yes/No
Groups - Playback/Editing	Yes/Yes	Yes/Limited	Yes/Limited
<b>Sample Handling</b>			
Graphic Mapping Editor	Yes	No	No
Keyboard Mapping Editor	No	Yes	Yes
Graphic Loop Editor	Yes	No	Yes
Voice Groups (predefined)	Yes	Yes	Yes
<b>Sound Shaping</b>			
Modular Architecture	Yes	No	No
MIDI Learn	Yes	No	No
Individual MIDI Remote Controller per Group	Yes	No	No
Assignable External Controllers per Group	32	No	No
Internal Modulation	AHDSR Envelope, DBD Envelope 32-stage Envelope, Step-Modulator Envelope Follower, Glide, LFOs	Volume Envelope, Filter Envelope Free Envelope, Volume LFO Pan LFO, Tune LFO, Filter LFO	Pitch Envelope, Volume Envelope Free Envelope, 2 Free LFOs Envelope Follower
Max. Number of Internal Modulators	16 per Group	7 per Instrument	5 per Instrument
Tempo-Synchronizable Envelopes	Yes	No	No
Tempo-Synchronizable LFOs	Yes	Yes	Yes
Tempo-Synchronizable Step-Modulators	Yes	No	No
Multiple Targets for Internal Modulators (simultaneous)	Yes	No	No
Number of LFO Waveforms	6	3	3
Send Effects	Reverb, Delay, Chorus, Flanger, Phaser	Reverb, Delay, Chorus	Delay
Insert Effects	Distortion, Saturation, Lo-fi, Compressor, Stereo Enhancer, All 17 KONTAKT Filters, EQ	Filter	Lo-fi, Distortion, Filter
Number of Filter Types	17	6	6
Graphically Edited Master Filter	No	Yes	Yes
<b>Sample Content</b>			
Included Sample Library	> 3 GB/5 CDs	> 2 GB/3 CDs	> 1 GB/2 CDs



EQUIPMENT LEASING AVAILABLE

# NATIVE INSTRUMENTS

## DJ LINE



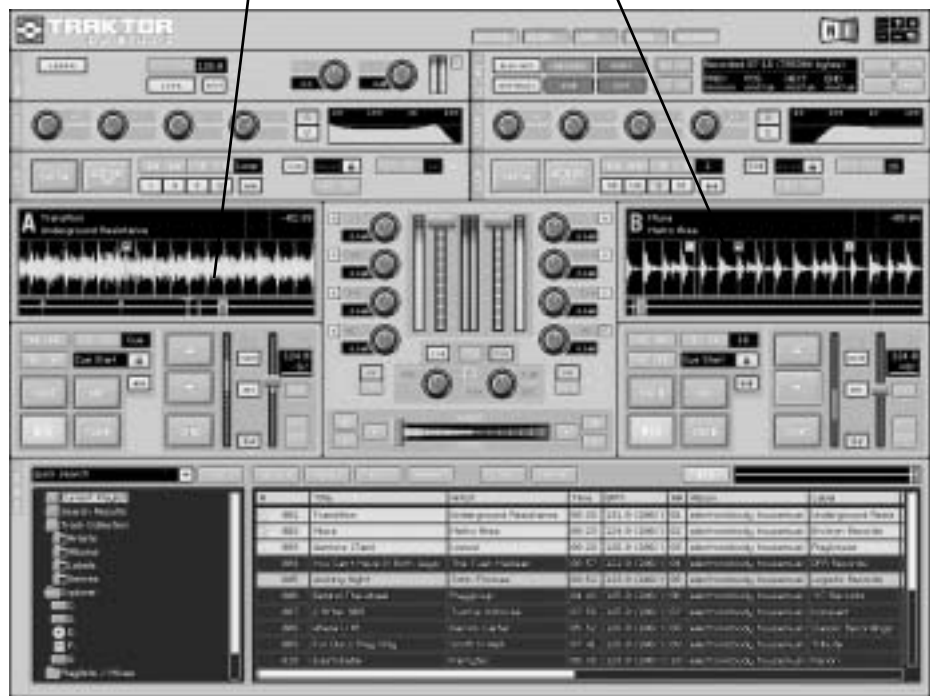
### TRAKTOR DJ Studio 2.0

*TRAKTOR DJ Studio 2.0 brings professional DJ mixing to the digital domain, unifying listening, interaction, mixing and composition. The modular concept of TRAKTOR DJ Studio 2.0 integrates two high-quality players with a convenient playlist section, DJ mixer, beat matcher, digital scratcher, cue section and filters. The innovative parametric control of the software makes it possible to record all control movements and export a mix in a dedicated file format. Five cue points for setting loops or triggering the next track can be set and saved for each audio file. The unique interactive waveform display, full MIDI control, mix automation and audio file export make TRAKTOR DJ Studio 2.0 a superior music player.*

### FEATURES

- ◆ All user interactions during a TRAKTOR session can be recorded with sample accurate precision. You can generate a mix as a pure control file without replicating the audio material. Interrupt and resume mixing at any point or edit parts of a mix in a second pass for additional effects. TRAKTOR files contain all information needed to identify the tracks used in the mix and reduce hours of performance to a size perfect for sharing mixes over the internet.
- ◆ Realtime waveform displays on both decks allow inspection of the audio ahead of time, graphically showing cue points and detected beat events. The waveform can be manually dragged with the mouse for precise positioning of cue points. For turntablists, TRAKTOR DJ STUDIO 2.0 offers scratching in a most realistic way.
- ◆ Up to 10 cue points per track, assignable to trigger special mixing actions
- ◆ Up to 10 loops per track including a wide variety of loop setting
- ◆ Over 400 TRAKTOR actions and functions can be assigned to keyboard shortcuts or controlled via MIDI
- ◆ Powerful database with fast search engine processing ten thousands of tracks in fractions of a second
- ◆ DJ STUDIO 2.0 boasts a unique beat recognition and aligning feature. Tempo and phase of two tracks can be automatically matched, allowing the DJ to focus on the artistic aspects of mixing. Phase shift is displayed for easy manual beat matching. Plus, the beat detector makes it possible to set tempo accurate loops on the fly.

*TRAKTOR DJ 2.0 is the first DJ player ever to display the running track's waveform showing two separate frequency bands in realtime, thus enabling the user to perceive beats, breaks and instrumentation ahead of time, regardless of whether an MP3-file, WAV-file or Audio-CD is being played. Saved loops and cue-points, as well as a beatgrids, are graphically displayed. The waveform can be moved and stopped to set cue points by dragging it with the mouse like a record.*



- ◆ Non-destructive automation file recording (Mixfile) with multiple undo function, fast export to WAV or AIFF
- ◆ Has a crossfader with selectable sensitivity and a convenient auto-fade feature as well as punch-in, boost and mute buttons.
- ◆ A 3-band EQ with 100% kill switches per band for each deck. There is a powerful 3-band limiter for the master signal.
- ◆ On top of that an awesome 8-pole bandpass/notch filter allows you to totally impose your own sound on the mix.

COMPUTER SOFTWARE

1103

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • [www.bhphotovideo.com](http://www.bhphotovideo.com)



# PROPELLERHEAD

## REASON

COMPUTER SOFTWARE

1104



### *Virtual Software Studio with Analog Synths, Samplers, Drum Machines, Sequencers and Effects*

*Finally a software synth that is harder than hardware. Reason is a complete studio package with synths, samplers, drum machines, loop players, a sequencer, mixing, effects and much much more. Reason is more than a program — it's a creative revolution. It's changing the way people approach modern computer-based music, blurring the boundaries between music genres. More than an infinitely expandable studio on a CD-ROM, more than analog synths, samplers, drum machines, loop players, effects, and pattern sequencers, Reason is the beginning of a new era of electronic music:*

*—A self-contained synth studio system, Reason provides an infinite number of great sounding devices with a fast and flexible sequencer.*

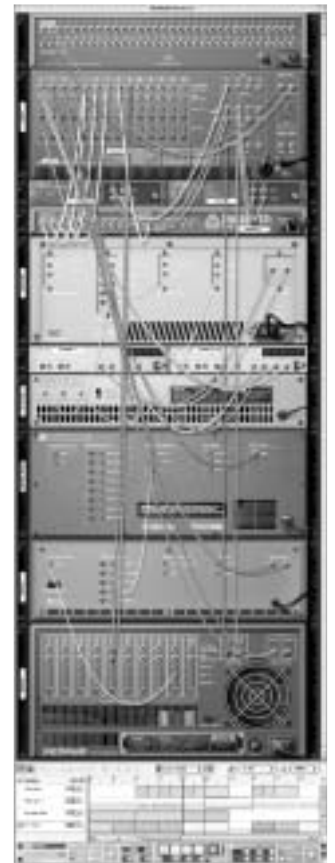
*—As a sub-system synced to your audio sequencer, you can process Reason's audio output with plug-in effects and mix it with your hard disk tracks.*

*—As a virtual synth rack with your MIDI sequencer, Reason's devices function exactly as their hardware counterparts. All of Reason's devices have the look and feel of the real thing, but more importantly they have the sound, performance and attitude to rival any hardware out there. Reason hooks up to your MIDI keyboard, giving you MIDI control of all devices, knobs, faders and parameters. So whether you're a producer or a bedroom DJ, a pro or a beginner, sounding this good has never been so easy. All the tools you need to create, edit and mix your music, all within the comfort of your computer.*

### FEATURES

- ◆ Reason is completely native. All sound is generated by your computer's CPU. No special hardware is needed, just an audio output. And ASIO, MME, DirectX and SoundManager support means that Reason is compatible with just about every sound card on the planet.
- ◆ AIFF and Wave export
- ◆ 32-bit floating point audio; 24-bit playback
- ◆ Sample rates up to 96kHz
- ◆ 64 audio outputs
- ◆ Each unit in Reason's virtual rack is edited from its own on-screen front panel. All the sliders, knobs, buttons and functions of the equivalent hardware are there.
- ◆ Choose what you need from the Create menu, and it appears in your rack, logically patched into the signal chain. If you ever wished you had eleven samplers, Reason is definitely for you. And if you run out of mixer channels, just create another mixer.
- ◆ When you save your music, your whole studio setup is stored with along with it. Include actual samples, loops and drum kits in the Reason file, for web publishing or e-mail distribution to other users.
- ◆ Comprehensive MIDI remote control
- ◆ Full synchronization with other MIDI equipment
- ◆ Full automation of all fader and control movements
- ◆ Zero latency when using Reason with a modern sound card with an effective ASIO driver
- ◆ 500MB of high quality samples, REX-files, kits and patches from e-Lab and Dunlab
- ◆ Included ReFill Packer utility lets you create your own ReFill sound banks including samples, kits and patches
- ◆ Includes a "database" for all types of files (samples, loops, drum kits, synth patches etc.), complete with its own Browser. Finding, auditioning, handling and organizing files has never been easier. A Reason Song file can contain all kinds of music files in a single chunk. Package sounds, loops and patches along with your music, publish the file on the web, and any Reason user in the world can enjoy your music exactly the way you intended it to sound.

A single keypress will turn Reason's rack around, and there you are, in patch cord heaven. Most audio connectors are made automatically. When a new device is created, it appears immediately below the currently selected device, and Reason patches it into the system in the most logical way. Repatch by dragging the patch cord plug to the desired connector, or just make a pop-up menu choice.



# PROPELLERHEAD

## REASON

### *.MIDI In Device/64-Channel Audio Interface*

The hardware interface routes the audio output channels either to your sound card, or to ReWire channels in another program like Cubase and Nuendo, Logic and Digital Performer. The MIDI in device routes 64 channels of incoming MIDI to Reason's devices. With ReWire, you can process Reason's output with plug-in effects and filters and use it exactly like a hardware synth rack.

### *Mixer*

Reason's mixer features 14 channels, each with four Aux sends. Insert effects are handled by patching the effect between the device's output and the mixer channel. If you're running out of channels, simply create another mixer. Chaining is more or less automatic, including sends. The equalizer is simple but effective. For more detail use the Parametric EQ effect.

### *Effects*

Reverb, Delay, Phaser, Chorus/Flanger, Compressor, Parametric EQ, Envelope Filter and Distortion. All are high quality processors with personality, attitude and great sound, featuring parameters that can be modulated via Control Voltage (CV) or MIDI.

### *Subtractor Polyphonic Synthesizer*

A two-oscillator analog synth in the classic mold, Subtractor matches the best hardware on the market. Phase modulation lets you replicate pulse width modulation effects as well as create all-new timbres. FM, ring modulation and two fat, resonant filters are included. Use the Gate and CV ins to connect it to the Matrix pattern sequencer for instant loop satisfaction, complex envelopes and cool LFO effects.

### *NN19 Digital Sampler*

Powerful and easy-to-use, the NN19 does the job fast with top-notch audio quality. Map your own multi-samples with point-and-click ease. Or use one of the multi-samples from Dublab. Includes over 250 different sampler patches, and powerful synth functions provide all you need for creative sound design.

### *Dr. Rex Rex Player*

Based on Propellerhead's groundbreaking ReCycle software, it allows you to do wondrous things to sampled loops. Change the tempo without transposing or timestretching. Pitch and pan individual samples or replace a single sound within a loop. Built-in filtering and modulation functions lets you turn any loop inside out and upside down.



### *Matrix Pattern Sequencer*

A classic monophonic pattern sequencer, just the thing for hypnotic synth loops. Just click in notes and gate levels in the front-panel window, and hit Play. The Gate and twin CV outs can be hooked up to most Reason devices, often in several ways. This, combined with the fact that you can use as many as your computer can run, makes Matrix the ultimate power tool for loop sequencing.

### *Redrum Drum Machine*

Redrum is a recreation of an old-school drum machine with 909-style step-time programming and classic features like shuffle, accent and flam. But there is more. Drum kits are included, but each sound can be replaced. Use Redrum as a passive sound module. Build basic patterns with Redrum's on-board programmer and fills with the Reason sequencer. Or convert Redrum patterns to sequencer data.

### *Rebirth Input Machine*

This device lets you stream 18 channels of audio from ReBirth, right into Reason's mixer and effects.

### *The Reason Sequencer*

Edit songs by drag and drop and copy and paste. You can even cut, copy and paste individual sequence events direct from the arrange view. The Group system lets you handle chunks of music graphically in a flexible, intuitive way. Select a track, and the rack will scroll to the relevant instrument. Move a knob on a device, and the movement will be recorded. Device-specific editors addresses every parameter by name. No need to keep track of anonymous controller numbers. All important features are there: quantize with swing and groove, REX-files as quantize templates, variable time signature, cycle recording, graphic editors, etc. And because Reason knows what instrument is played for each track, the correct editor is automatically selected when entering the edit view. Key, drum, rex, velocity and controller editors are all included, providing full control over every detail of your MIDI recordings. Change the note length by dragging, draw in controller data or cut, copy and delete. There is even an editor for pattern changes in Redrum and the Matrix sequencer. And all sequencing is done in real-time.

# PROPELLERHEAD

## RECYCLE

COMPUTER SOFTWARE

1106



### *The Ultimate Tool for Sampled Grooves*

*Loopists, groovists, samplists! A new world is about to open up before your very ears! ReCycle solves all your groove related problems – and lets you get truly creative in the process. Loops, grooves and breakbeats: Powerful sonic building blocks, and great inspirational triggers. No matter what style of music you're into, you can be sure there's a loop out there that can spice your track up a little, or lift it to completely new heights. But handling loops and grooves used to mean hard work. Hours of pitching and stretching just to get a loop to fit your song's tempo and timing. And if you need to change the key, you're in for even more work. In the end, your loops are controlling you. ReCycle changes all that. The ultimate tool for sampled grooves, ReCycle gives you full creative control over your looped material.*

### FEATURES

#### *What Does ReCycle Do?*

ReCycle does more than just solve groove problems and clean up loops – it's a highly creative tool that helps you make the most of your grooves. Simply, ReCycle lets you do with sampled loops what you can do with beats programmed from individual drum sounds – like alter the tempo, or replace sounds and process them individually.

#### *How is it Done?*

Start out with a regular audio file or a sample in your sampler, preferably one of a groovy nature. Load the groove into ReCycle, and the program will “look” at the groove, analyze it, and break it up into its rhythmic components. Each part is called a “slice”. The process itself is fully automated, but once the slices are there, they are yours to move, monitor or delete, using the on-screen tools and controls. Other tools allow you to set the length, attack and decay of the slices, and to change your grooves' overall tempo or pitch, without one affecting the other.

#### *Then What?*

Bring your improved groove into a song. Depending on your equipment and working method, you can either use ReCycle simply as a problem solver for loops (load a drum loop into ReCycle, set a new tempo or pitch, and save the results as a new file), or load up any groove, and use ReCycle's on-screen signal processors: Compressor, EQ and Transient Designer, to give it some punch and distinction. Anything you choose to do can be applied to your loop, and saved as a new file.

To use your loop directly in Propellerhead Reason, Cubase . Logic or other programs supporting REX 2 files, all you need to do is save your sliced-up loop as a REX 2 file and import it onto an Audio Track in your sequencer. The imported loop will play back like the original, but you can change the tempo freely, and you will have full control over the original slices! Silence, move or replace individual hits, change volume and panning – your loop has come to life!

If you're using a sampler (AKAI, SampleCell, EMU etc.), ReCycle creates a soundbank containing the samples/slices, and transmits it to your sampler. ReCycle then creates a MIDI file based on the timing of the original groove. Import the MIDI file into your sequencer, and it will trigger the slices in your sampler, playing back the groove you started out with. Only this time – you make the rules. Quantize it, change the tempo, retune or replace the sounds – total loop control!

### ReCycle Up Close

*Easy to access tools for manipulating slices*

*Envelope for controlling the attack, decay, and stretch of the slices*

*Transient Shaper. Gives your loop that extra edge*

*Real-time 4-band EQ*

*The slices represent the rhythmic components of the groove. Slices can be moved, locked or deleted.*

*Preview Toggle—switch between your new and improved groove and the unprocessed original*

*Preview Pitch. Retunes your loops in real-time*

*Preview Tempo. Set a new BPM, and hear the results right away.*

### REX 2: ReCycle Export Format

REX 2 is a file format that allows your audio sequencer to play and manipulate ReCycled audio files as if they were MIDI parts. All you need to do is save your sliced-up, imported groove as a REX 2 file and import it onto an audio track in your sequencer or the Dr. REX Player in Reason. Your groove will play back just like the original, but this time, you can change the tempo freely, rearrange the individual sounds, or apply realtime effects to any or all parts of the groove—couldn't be easier or more flexible.



ONE HOUR FREE PARKING

AT 349 W. 34th STREET (with purchase of \$100 or more)

# PROPELLERHEAD

## REBIRTH RB-338



### Bassline Synths and Drum Machines

*ReBirth is a stunningly accurate reproduction of the bare essentials of techno music making. Silver boxes, blinking LED's, a myriad of knobs - and a sound like nothing else on this planet. A software reincarnation of two analog bassline synths (TB-303), and two classic drum machines (TR-808 and the TR-909), ReBirth also offers a digital delay, a quad-input distortion unit, a compressor and an analog filter emulation unit, the PCF (Pattern Controlled Filter). All the quirks and subtle qualities of analog, combined with the convenience of modern computers (a minimum of cables, integration with your sequencer software, complete front panel automation, real-time audio streaming and much more).*

Here's how they did it: Instead of sampling the sound, they "sampled" the actual synth hardware. It was a question of analyzing the mysterious inner workings of the analog design, and then creating a mathematical model of it, incorporating practically every nuance. Then they converted this theoretical model into lightning fast computer code. So fast that it runs on the computer you already have. No customized cards, DSP chips or other expensive accessories are required.

Just as important as the sound, is the way the sequencer controls the sound. To get the unique character you need access to all programming functions of the analog original: Accent and Slide on the bass lines, Snappy, Decay and Tone on the drums. The subtle shift in character from beat to beat. ReBirth, integrates a vintage sequencer section and knob-loaded front panel into the machinery.

- ◆ All control work in realtime and in the same way as on the real machines
- ◆ Pattern and song editing functions like copy and paste, transpose, shift, random
- ◆ Export songs as AIFF or .WAV files
- ◆ MIDI clock sync to external hardware or sequencer software plus MIDI control of all front panel knobs
- ◆ User modifications for the program are your chance to get seriously creative: Dig right into the code and change the graphics, exchange the drum sounds— even create your personalized ReBirth.
- ◆ Total integration with Reason, Logic, Digital Performer and Cubase/Nuendo via ReWire. Full sync and realtime streaming of up to 18 individual audio channels for post-processing through effect plug-ins.

Two "303-type" bass line synthesizers

Fully automated, pattern-based sequencer with realtime and step-time recording

Song mode allow you to chain patterns together and record knob movements

Complete mixer section with stereo panning, individual channel levels and effect send switches

32 patterns, build songs in realtime

"808-type" drum machine with realtime controls like tune, tone, snappy and decay.

"909-type" drum machine with the original realtime controls

Delay with length, feedback and pan controls

Distortion with variable level and shape

Compression with threshold and ratio

COMPUTER SOFTWARE

1107



# PROPELLERHEAD

## PRO SESSIONS

COMPUTER SOFTWARE

1108

### Sound Library

*ProSessions is a fresh new collection of affordable top-quality samples created by some of today's top musicians, composers and producers.*

*The ProSessions library delivers inspiration across a wide variety of genres and styles including hip-hop, dance, pop, Latin, R&B, rap, drum & bass, techno, world beat and more. Designed with songwriters, producers and remixers in mind,*

*each ProSessions sample features a top-quality recording, meticulously edited by hand for rock-solid professional timing and easy integration into other grooves. Each CD delivers over 400MB of world-class samples in multiple formats for today's hottest Mac and PC software—AIFF, WAV, REX2 and Acidized WAV. The initial CD-ROM titles in the ProSessions Sound Library include:*



**Alex Tinsley Electro Crash:** Mixed blend of big-hair 80s attitude remixed with today's hot sounds

**Bobby Wilks Vector Field:** Dangerous synths meet melodic outcries, twisted nature and psychoacoustics

**Chris Falson Worldbeat Café:** Full- and partial-mix grooves drawing from popular Latin percussion styles

**Chris Falson These Drums Are Loud:** Natural pop/rock drums recorded and edited in sections with songwriting in mind

**Discrete Drums World Rock & Percussion:** Solid rock song sections from starmaker producers and engineers

**Discrete Drums R&B Drums & Percussion:** Great collection of laid-back funky grooves presented in song sections

**DJ Logickal Sounds Logickal:** A deviant library of raw, experimental abused synths and samples

**Diavola Mechanically Separated:** Reality is stranger than fiction with this edgy, moody industrial aberration

**James Galvez Latin Street:** Deep funky vibe packed out with pure Latin hip-hop and R&B nastiness

**James Galvez Latin Element:** Sizzling Latin loops of authentic instruments and rhythms

**Neldome St. Hydrosonix Disc 1:** Incredibly diverse CD featuring a progressive mix of hip-hop, trip-hop and R&B

**Neldome St. Hydrosonix Disc 2:** Dives even deeper into the world of trippin', hippin' and skippin'

**3RDedree Productions Hella Bumps Disc 1:** Fresh booty from the best of the hip-hop and rap skools

**3RDedree Productions Hella Bumps Disc 2:** Who says you can get too much of good thing?

### Strings Refills by Propellerhead



Strings is a high quality collection of live played strings turned into Dr Rex loops and NN19 sampler patches. This ReFill adds new flavors to the already powerful Reason program with both solo instruments and ensemble material. All string phrases have been edited in Propellerheads ReCycle program, which means that both tempo and pitch can be changed seamlessly for each loop. The ReCycle Rex file format also allows complete reorganization of the music phrases in Reasons Dr.Rex editor, all in total real-time. Materials include:

- 35 Orchestra Strings Dr.Rex Loops • 40 Full String Quartet Dr.Rex Loops • 80 Solo Violin Dr.Rex Loops
- 40 Solo Viola Dr.Rex Loops • 40 Solo Cello Dr.Rex Loops
- 48 Upright Bass Dr.Rex Loops • 5 Harp Dr.Rex Loops

Strings also contain patches for Reasons NN19 sampler featuring the following base samples

- Solo violin • Violin ensemble tremolo • Solo Violin Pizzicato • Violin Ensemble Pizzicato
- Solo viola • Viola ensemble tremolo • Solo Viola Pizzicato • Viola Ensemble Pizzicato
- Solo Cello • Cello ensemble tremolo • Solo Cello Pizzicato • Cello Ensemble Pizzicato
- ContraBass ensemble tremolo • ContraBass Pizzicato • ContraBass Ensemble Pizzicato
- Ensemble (Cello, Viola, Violin) • and finally some harp riffs



EQUIPMENT LEASING AVAILABLE

# PROSONIQ

## MAGENTA

### *Realtime Resynthesis/Sound Manipulation Plug-in (VST Mac)*

*Magenta is an audio effects plug that uses any VST track or the live input as basic waveform that can be tweaked using the incredible power of realtime resynthesis—the most versatile and powerful synthesis technology available. Prosoniq's proprietary Multikernel Spectrum Resynthesis Engine (MSRE) reproduces any sound by resynthesizing it in real time, giving you utmost control over all aspects of the recorded instrument or music track. Design your own sounds without the limitations of traditional sound synthesis techniques.*

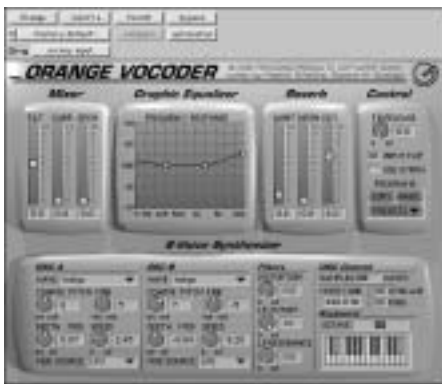
*Play and control multi-voiced musically monophonic and polyphonic instruments directly from any MIDI keyboard in real time while adding a wealth of spectral effects that are fully automatable and can be dynamically controlled. Produce vocal doubling, to create additional voices or melodic choruses from single vocal lines. Tweak sounds to create alien atmospheres, clusters or textures that have nothing in common with the original sound.*



COMPUTER SOFTWARE

1109

- ◆ Real time resynthesis for extensive sound processing
- ◆ Works on any input signal in real time
- ◆ Use as software synthesizer with live audio input
- ◆ Pitch shifting and versatile spectrum filtering capabilities
- ◆ LFO control over all important parameters
- ◆ 2D graphic control over filtering and spectral manipulations
- ◆ All key parameters can be controlled over definable MIDI controllers
- ◆ Formant preservation during pitch shift
- ◆ Over 10 spectral macro filters for all sound design situations
- ◆ Directly playable over MIDI keyboard
- ◆ Free pitch, pitch quantize and pitch lock capabilities to correct the input pitch or to create mouth tube or vocoder fx
- ◆ Built-in reverb effect
- ◆ Create vocal accompaniments by playing harmonies on your MIDI keyboard
- ◆ Change the timbre of any sound
- ◆ Create mouth tube and vocoder fx
- ◆ Pitch shift musically monophonic and polyphonic sounds
- ◆ Create yet unheard effects by tweaking the harmonic developments of sounds
- ◆ Use any VST track as oscillator for an incredibly versatile synthesizer!



## ORANGE VOCODER

### *Realtime Vocoder (VST Mac and PC)*

*Perhaps the fastest, most flexible and most transparent sounding simulation of an analog vocoder effect as a VST plug-in. Following the long tradition of German Vocoder manufacturers, Prosoniq offers you an all-digital simulation of a realistic analog vocoder effect that is fully customizable and comes with an 8-voice virtual analog synthesizer unit, Freeform EQ and Filterbank Reverb, all in one plug in.*

- ◆ Realtime Vocoder effect usable in either the Master or Track Effect Racks
- ◆ Uses either any input source/VST audio track or the built in oscillator as carrier signal, and any VST audio track as modulator
- ◆ Full MIDI controllable through the VST standard
- ◆ Post-Vocoder Filterbank Reverb Effect with Mix, Decay and Density
- ◆ Fully customizable Freeform EQ with max. 12 nodes, ranging from 20Hz to 20kHz and resolving from +30 to -30 dB FS
- ◆ Input Channel flip exchanges carrier and modulator signals without re-routing tracks
- ◆ Integrated 8-voice virtual analog synthesizer with 2 oscillators per voice featuring 10 basic waveforms and 7 sampled sounds, voice detune, pitch LFO, 4-pole Lowpass filter with cutoff and resonance, oscillator hard sync and ring modulator.

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • [www.bhphotovideo.com](http://www.bhphotovideo.com)



# PROSONIQ

## TIMEFACTORY

COMPUTER SOFTWARE

1110

### Time Stretching/Pitch Shifting Software

*TimeFactory is a powerful tool dedicated to performing high quality, near-lossless time and pitch shifting on your final mix or other audio material. Using the latest in DSP technology, TimeFactory achieves time scaling amounts of up to one third the original length, corresponding to a time stretching factor of 133% and more (or pitch scaling of up to 5 semitones) without audible loss in quality. This is as much as slowing down a complete music piece from 120 BPM to 90 BPM, or vice-versa. Conventional methods used in other software either suffer from unpleasant harmonic distortion, timing inconsistencies and echoes even at small time scaling ratios, or introduce severe smearing or reverberation that makes the results unacceptable for professional audio purposes when applied to complete musical pieces. With TimeFactory, you are free to choose the tempo of your recording at a result that is indistinguishable from the original within a large range of scaling ratios, without endlessly tweaking dozens of parameters. Whether you wish to time scale individual sound files of a recording session or the final mixdown, whether you are processing classical or 'drum & bass' style music, TimeFactory is a simple click-and-go application for Mac and PC with straightforward user interface and easy to use batch processing capabilities.*



- ◆ Accepts sound files in AIFF, SDII (Mac only) and WAVE file formats of any word length and sample rate, even 24-bit/96kHz or split stereo files are no problem.
- ◆ Works with any material of any genre, be it classic, pop, rock, techno or other
- ◆ Proprietary timbre Wizard algorithm allows for natural pitch shifts
- ◆ No more worrying about the outcome of time consuming parameter tweaking sessions, just set the desired time scaling ratio and click to process your audio files within minutes.
- ◆ No timing inconsistencies
- ◆ Input speed in new length, BPM or %
- ◆ Double click to edit any soundfile in your favorite editing program
- ◆ Transcribe Mode for crystal clear 200% time scaling of complete songs
- ◆ Pitch Shifting including formant correction
- ◆ Batch Processing
- ◆ High quality resampling with anti-aliasing for pitch shifting
- ◆ No sound coloration, no phasing with stereo files
- ◆ MPEX Time Scaling technology for best results at the first mouse click

- ◆ Mac and PC version in a single box - no worrying about switching platforms. Also includes SonicWORX Essential audio editing software (for Mac).

## PROSONIQ VST BUNDLE



*The Prosoniq VST plug-in bundle combines many advanced sound design tools with professional plug in products for mastering and post production, all in one package. Whether you are processing individual tracks like vocals, guitar or synth or are looking for professional tools to improve your final mix, the Prosoniq VST plug-in bundle leaves nothing to desire. In fact, once you've used it, none of your tracks will ever go unprocessed!*

- ◆ Ambisone places your tracks in virtual 3D sound space without requiring costly encoders or playback equipment.
- ◆ VoxCiter adds the warmth and clarity of an analog recording to your vocal or instrumental tracks.
- ◆ Includes Roomulator, a powerful reverb toolkit with 5 distinct reverb algorithms well suited for all studio application
- ◆ Dynasone with its powerful Maximizer/Multiband Compressor gives your mix that final touch and turns any music track into a CD-ready master.
- ◆ PiWarp is an indispensable tool if you're after special effects that are both unique and make your tracks easily recognizable.



# PROSONIQ

## PROSONIQ VST BUNDLE, *continued*

### *Ambisone: 3D Positioning*

Mix your VST tracks in full 3D stereo. This includes placing sound sources outside or above the speakers to provide your mix with a previously unthinkable width and depth. And Prosoniq's Virtual Scenery Modeling approach allows for 3D placement when monitoring the mix through headphones as well as through speakers.



Includes modulation sources to automate 3D placement allowing for sound sources that rotate around your head on a single mouse click. The flexible and intuitive interface lets you adjust the different parameters while monitoring both position and elevation in real time.

### *Roomulator: Reverb Kit*

Optimized for different size ambiances, the Roomulator toolkit provides highly flexible, natural sounding reverb which meets the highest requirements of today's studio standard. Dense Hall reverb with canyon-like decay times as well as simulating narrow spaces or closeup situations in utmost quality and brilliance are provided to all your recordings with this all-in-one reverb effects kit. The intuitive 2D manipulation capabilities let you easily adjust the overall room timbre while listening to the results in real time. No matter whether you are recording guitar, acoustic instruments or voice, this powerful tool will place your instruments to pleasantly integrate in a clear and brilliant mixdown.



### *VoxCiter: Vocal/Single Instrument Track Toolkit*

Add natural brilliance to vocal recordings, refreshing and even restoring the quality and fidelity of any kind of instrumental or vocal material. It is great for finalizing vocal recordings or any instrumental track and will bring old recordings back to life again.

Use it to add that 'pro' sound to your vocal recordings and give your audio tracks a touch of life that got lost during the process of sampling and intense post processing.

- ◆ Flexible Noise Gate with Attack, Hold and Release
- ◆ Dual Vocal parametric EQ (Low Pass, High Pass, Band Pass and Band Reject selectable)
- ◆ Realtime Neural Automatic de-esser circuitry
- ◆ Vocal Compressor/Expander with Attack/Release/Auto features
- ◆ Independently equalizable Sidechain feed for Compressor/Expander
- ◆ Vocal Refresh



- ◆ Vocal Saturation (simulates tube distortion to add warmth)
- ◆ On-board Bypass switch for instant comparison without having to switch windows

### *PiWarp: Frequency Warping*

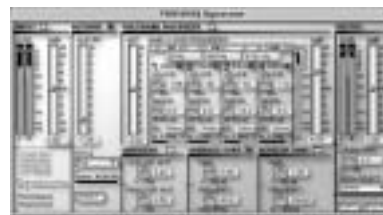


Create interesting special effects and atmospheres. Used with strings and sustained sounds it creates dense ambient atmospheres reminiscent of alien worlds or space ship ambiances that let you create sonic landscapes for film or TV in an instant. Used with dry vocal and drum sounds it creates interesting counter-melodies and alien voice effects that are unique and

useful for a wide variety of experimental and contemporary music.

- Warp Factor parameter sets the frequency warping amount
- Tune Factor sets the basic pitch of the output
- Filter parameter filters the output with a 6dB/Oct. Low Pass Filter
- Reverb Amount and Room Size parameters included
- True stereo processing

### *Dynasone: Mastering/Post Production Tools*



Powerful processing functions provide your final mixdown with that special 'pro' sound. Neural Automix function adjusts the overall sound of your mix to sound both transparent and have an

optimal frequency response. Dynasone analyzes your work and proposes a setting for optimum results.

Different templates let you adjust your overall sound to match any desired musical style, from Classic to Dancefloor. What's more, you can even choose an optimization scheme for your final release medium. Select 'Vinyl', 'Tape', 'CD' or 'Linear'. Multiband maximizer and peakstop limiting functions optimize the loudness of your mix to match any desired dynamic range and for optimum punch and brilliance. Subsonic and Refresh functions add new spectral contents allowing for restoring and optimizing older recordings.

# SERATO

## PITCH 'N TIME<sub>2</sub>

COMPUTER SOFTWARE

1112

### *Time Stretching and Pitch Shifting*

*Pitch 'n Time 2 is a high quality time stretching and pitch-shifting AudioSuite software plug-in that will work with all versions of Pro Tools on the Mac and PC, from Pro Tools free to Pro Tools HD.*

*Traditionally pitch/time manipulating application used math to either remove or add samples, or change sample rates to achieve the desired result. Some program material would respond well, while others had artifacts introduced— rendering the processed files useless. Serato's decided that the output of the process must sound the same as the input, just faster or slower. In other words the problem isn't about waveforms or kilohertz - it's all about hearing. So Serato developed a sophisticated model of the human auditory system that "listens" to the music, performing a sophisticated auditory scene analysis and deciding how best to treat the source material. The ranges of transformation within Pitch 'n Time 2 are 50% to 200% for time compression / expansion, and  $\pm 12$  semitones for pitch shifting. Both functions each have three interchangeable panels, ranging from simple fixed ratios to complex tempo and pitch alterations that vary over time.*



### FEATURES

- ◆ Modify tempo from 50% to 200% of original and simultaneously pitch shift by  $\pm 12$  semitones:
  - Time stretch by tempo change, length change, target length, or target BPM
  - Pitch shift by frequency change or semitone shift.
  - Preview changes in real time
- ◆ Integrates perfectly with Pro Tools (Mac and Windows) as well as other DAWs and applications that support AudioSuite.
- ◆ Works with all bit depths, and sample rates and audio file formats available within an AudioSuite compatible application — can even be used to change the sample rate of your sample without losing quality.
- ◆ Preserves sample accurate timing while at the same time maintaining sonic integrity
- ◆ Works as well on solo instruments and drums as it does on a complete mix.
- ◆ Process stereo tracks without phasing
- ◆ Multi-Channel Mode - allows you to process up to 48 tracks together while maintaining their original phase coherency.
- ◆ Time-Morph allows you to drop a marker at an event and move it anywhere; the audio flexes before and after to allow you to stretch out a single note, or even change the timing of a loop.

Draw the tempo map you require directly on the screen

Quickly set a tempo change numerically, with the slider or using the BPM calculator

Drop a marker at an event, and move it anywhere; the audio flexes before and after, letting you stretch out a single note, or even change the timing of a loop.

Classic pitch panel for when you need straight, high quality transposition

Pitch-correct individual notes, remove or create pitch slides, even make a realistic record scratch sound

Whatever the tempo does, the pitch follows. Create an accurate tape stop, or even use it as the best resampler around.

Vanspeed Mode  
Pitch is controlled by tempo settings

- ◆ Variable Pitch Mapping lets you pitch-correct individual notes, remove or create pitch slides, or even make a realistic record scratch sound.
- ◆ Variable Tempo Mapping gives you the power to create variable tempo maps and changes over the length of your sample.
- ◆ Waveform Overview means you can actually see the effects of your tempo map as it is applied directly to the waveform.
- ◆ Supports all SMPTE time code formats: 30 fps, 29.97 fps (Drop/Non-Drop Frame), 25 fps (EBU) and 24 fp. Just select your desired end time position time code, and it calculates the required time stretch.
- ◆ Time Stretching from one Time Code frame rate to another.
- ◆ A quick and easy BPM calculator for loops determines the tempo of a selection against the number of bars and beats selected



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# SERATO

## SCRATCH – STUDIO EDITION

*Serato Scratch - studio edition RTAS & HTDM Scratch any digital sample or sound file in Pro Tools using your existing turntables or mouse as the controller. Serato Scratch is a software plug-in from the company that brought you the multi award winning plug-in, Serato Pitch 'n Time. Serato Scratch - studio edition brings DJ scratching directly into your studio like never before. Scratch allows you to scratch any digital sample or sound file on your computer using your existing turntables or mouse as the controller. Special vinyl included with Scratch contains a control signal that allows your computer to track the motion of the record, simulating the same movement within the digital sample. The result is a feel and sound that is indistinguishable from scratching vinyl. No more record burn and no more dub plates!*



COMPUTER SOFTWARE

- ◆ Scratch any digital sample or sound file on your computer using your existing turntables or mouse as the controller
- ◆ Record mic input and scratch on the fly
- ◆ A full compliment of standard turntable controls are provided including reverse play and pitch control

- ◆ Available as a MAS plug-in on the Mac and as RTAS and HTDM plug-ins for Pro Tools TDM including HD, and Pro Tools LE - Mac OS & Windows

### How It Works

- ◆ A special vinyl record included with Scratch contains a control signal that allows your computer to track the motion of the record, simulating the same movement within the digital sample
- ◆ The control signal output from the turntables are routed into the software by plugging them directly into your audio interface
- ◆ The selected audio sample is then routed to the DJ mixer for cross fading, cutting etc
- ◆ Audio from the DJ mixer then goes to your speakers, or back to the computer for recording
- ◆ Feels and sounds just as though you are scratching a real record – latency is limited primarily by your I/O hardware's buffer size, converter latency, and session sample rate. For example, a Pro Tools system configured with a 128 sample buffer results in a total latency of 9ms when operating at a 44.1 kHz sample rate
- ◆ The package includes two vinyl control records and the software CD.
- ◆ Replacement records are available for \$10

1113

## SCRATCH – Live



*Serato Scratch Live is a stand alone version of the ground-breaking software plug-in Scratch SE that allows you to scratch and mix your mp3's and digital sound files using your existing turntables and mixer as the controller.*

- ◆ A stand alone version of Scratch SE for Mac OS 9 & X and Windows XP.
- ◆ Requires a Mac or PC computer, up to two turntables and a DJ mixer
- ◆ The package includes two vinyl control records, software CD and a USB interface to connect your turntables to your computer.
- ◆ Scratch and mix mp3, aif, wav, ogg and CD sound files using your existing turntables and mixer as the controller.
- ◆ A 'feel' and sound that is virtually indistinguishable from scratching vinyl.
- ◆ The package includes two vinyl control records, a compact portable USB interface for 2 turntables and a microphone input.
- ◆ Record mic input and scratch live audio on the fly.
- ◆ Mix multiple tracks live from the same CD.
- ◆ Needle dropping - cue the way you are used to.

# SONIC FOUNDRY

## SOUND FORGE 6.0

COMPUTER SOFTWARE



### *Professional Digital Audio Recording, Editing and Mastering Software for Windows*

*The industry-standard for audio recording, editing, effects processing and streaming media creation, Sound Forge is used worldwide for production in leading recording studios, post-production houses, broadcast facilities, radio stations and home studios. It includes over 35 realtime audio effects and processes with more than 200 presets for manipulating audio, and supports a wide range of audio and video file formats, including Windows Media, RealMedia, QuickTime and MPEG 1&2. Version 6.0 expands on a decade of leadership by adding features that make it faster and more powerful than ever.*

*From non-destructive editing to new formats for import and rendering, Sound Forge 6.0 provides the most intuitive and efficient digital audio editing environment available for media professionals worldwide. Features include realtime non-destructive editing, modeless audio plug-in chainer, multitask background rendering, 32-bit/64-bit float/192kHz file support, enhanced time zoom, fully customizable tool bars, tabbed docking windows and DirectX plug-in manager.*

### FEATURES

#### *Fast, Powerful Audio Editing*

Sound Forge provides the power and flexibility you need to create a clean, professional final product—cut, paste, and delete audio with extreme speed and accuracy — down to the sample level. Sound Forge 6.0 combines fast and powerful non-destructive editing with simple drag and drop operation, allowing you to focus on your project and not time. And a fully customizable interface allows you to build projects the way you want. Also supports standard Windows keyboard commands and mouse shortcuts.

- ◆ Edit, record, process, and encode audio on your PC
- ◆ Cut, paste, move, mix, delete, mute, reverse, fade, and cross fade audio
- ◆ Drop markers during playback or while editing. Create custom marker names and use them for creating regions and loops.
- ◆ Edit files down to the sample level. Sound Forge has a 24:1 zoom ratio, allowing you to perform more precise, sample accurate editing. View, select, edit, and snap to sample selections. You have more control over your audio editing than ever before.
- ◆ Import and save 32-bit files (record them if your hardware supports 32-bit recording)
- ◆ Multitask background rendering lets you work on one file while Sound Forge processes another—saving you valuable production time. Open, play, preview, cut, copy, paste, and delete files while other project files render in the background.
- ◆ Customize your toolbars to create the interface you want for quick access to commonly used functions.
- ◆ Dock floating windows, including, regions list, playlist, keyboard, play meters, and time display, individually or on top of each other.
- ◆ Customize your toolbars to create the interface you want for quick access to commonly used functions.
- ◆ Use an unlimited number of undos/redos to restore a file to any previously edited state.
- ◆ Synchronize audio and video, frame by frame for streaming media productions and multimedia presentations.
- ◆ Create and edit ACID loops. Permanently assign root notes, number of beats, and tempo to ACIDize new loops.
- ◆ Trigger audio playback via MIDI commands from any MIDI software or hardware device.
- ◆ Use the Spectrum Analysis tool to analyze waveforms by frequency and help identify noise problems.
- ◆ Use the Preset Manager to back up, transfer, and organize your favorite presets (even ACID presets). Save time in accessing most commonly used settings.

#### *Audio Effects and Processing*

- ◆ Choose from 35 audio effects (including Amplitude Modulation, Chorus, Dynamics, Delay/Echo, Flange/Wah-Wah, Distortion, Envelopes, Gapper/Snipper, Noise Gate, Pitch Bend/Shift, Reverb, Vibrato and more) and processes with over 200 presets, including 18 DirectXAudio Plug-Ins from Sonic Foundry's XFX1, 2 and 3 series.
- ◆ Use the Audio Plug-In Chainer to chain multiple plug-ins together and hear the results immediately.
- ◆ Use the DirectX Plug-In Manager to customize folders and rename audio plug-ins.
- ◆ Apply acoustic responses of real environments such as concert halls, caves and stairways with the Acoustic Mirror plug-in.
- ◆ Wave Hammer mastering tool limits dynamic range, adds punch to recordings, and boosts signal levels without clipping
- ◆ Audition effects before applying them and make "before and after" comparisons
- ◆ Use Time Compress/Expand to easily turn 33 seconds of narration into a 30-second spot without altering the pitch.
- ◆ Use the Spectrum Analysis tool to perform precise FFT analysis, and display resulting data in two graphical formats. Use the Spectral Graph to monitor input or playback in real-time.



EQUIPMENT LEASING AVAILABLE

1114

# SONIC FOUNDRY

## SOUND FORGE 6.0

### Protected Work Environment

Sound Forge includes crash recovery tools, which allow you to recover lost work after a power failure or system crash. Also includes a powerful undo/redo history feature, which allows you to see your entire work history at a glance and undo edits.

### Powerful Encoding Tools

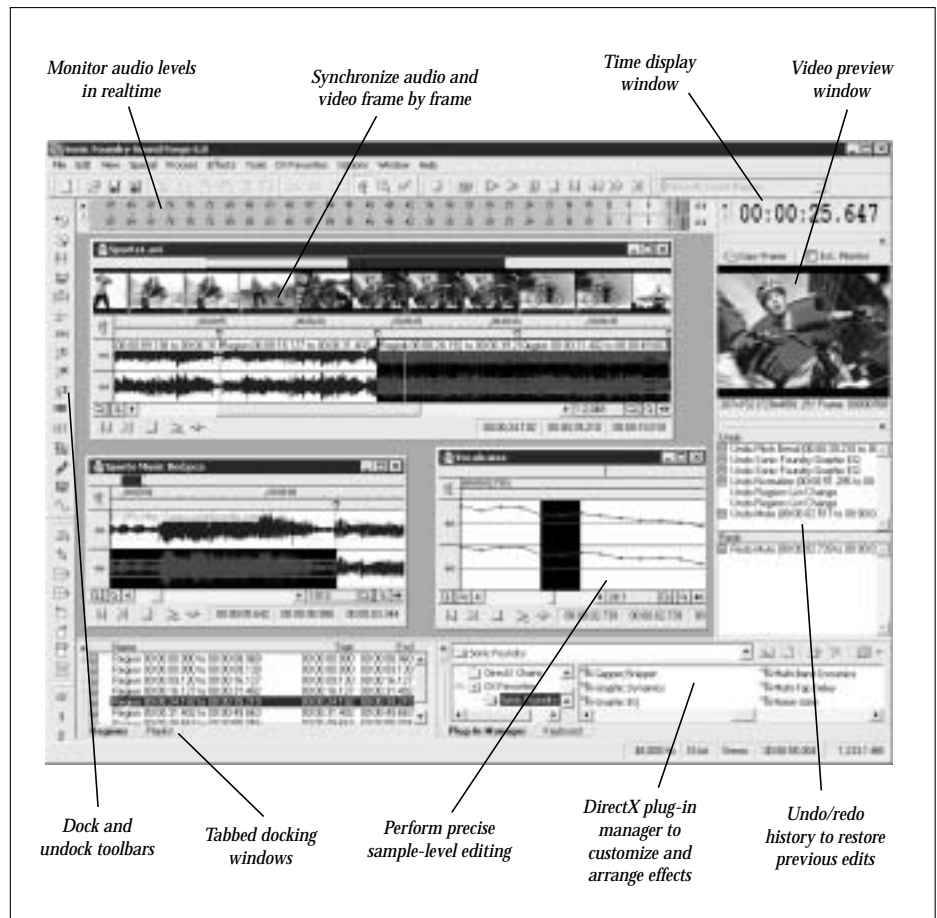
- ◆ Encode your audio files for the Internet in RealAudio, Windows Media, and MP3 formats. You can even encode video, insert metadata command markers, launch web sites, display captions, and embed URL flips into your audio and video streams.
- ◆ Render audio to just about any file format including WAV, ASF, RM, MP3, WMA, and AVI, eliminating the need for another program to perform file conversions.
- ◆ Sonic Foundry's Batch Converter 5.0 utility allows you to apply the same process across multiple files automatically

### CD Features

- ◆ Rip audio from CDs, transferring music to your hard drive, and save files in MP3, WAV, and WMA formats.
- ◆ Create your own audio CDs. Sound Forge includes track-at-once CD burning, allowing you to take your audio projects with you and share them with the world.

### Video Features

- ◆ Video render options include fast video resizing, source video resampling, and video stretching.
- ◆ Sync audio with video at sub-frame accuracy. With external monitor previewing through IEEE1394 devices and more render options than ever, Sound Forge is the perfect companion to your video editor.
- ◆ If you're new to the world of digital video, Sonic Foundry's bundled Vegas Video LE 3.x provides the perfect introduction to professional DV and audio production.
- ◆ A professional digital video and audio multitrack editor, Vegas Video LE 3.x lets you add up to eight tracks of video, apply effects and transitions, and time-stretch audio and video. Perform edits in real-time and hear the results immediately.



### Sound Forge Studio

Incorporating much of the award-winning technology found in Sound Forge, this streamlined version makes it easy to record, edit, and process audio using your PC. Record from a CD, microphone, LP, cassette, or musical instrument, and then edit your recording using a wide range of tools and effects. Listen up presentations, recordings, and music using over 30 digital audio effects and processes, including 1001 Sound Effects. Create your own "Best Of" audio CDs using track-at-once CD burning.

- ◆ Edit files in real-time and hear the changes immediately. Sound Forge Studio includes dozens of editing tools including: cut, paste, move, delete, mute, reverse, crossfade, trim, normalize, fade, resample, pan, enhance, insert silence, and more.
- ◆ Studio supports many popular audio and web formats, including WAV, Windows Media Audio and Video, QuickTime, RealAudio, and MP3. It is perfect for creating streaming media for the web.
- ◆ Sound Forge Studio includes a 10-band EQ, reverb, delay, distortion, mute, reverse, fades, crossfade, pan, volume, normalize, and more.
- ◆ Free sound effects library lets you enhance your audio with over 1,000 professional-quality sound clips - from explosions and flying saucers to animals and spooky noises. This royalty-free library is perfect for presentations, PowerPoint productions, and web sites.

# SONIC FOUNDRY

## ACID PRO 4.0



### *Loop-Based Music Creation Tool for Windows*

*ACID PRO is the often-imitated original loop-based music creation tool for the PC. This powerful award-winning tool allows you to create and produce royalty-free music for audio production, multimedia projects, broadcast music beds, Web sites, Flash animations and DV scoring. Bundled with over 600 music loops, you'll be creating royalty-free music in minutes. Though incredibly easy to use, ACID PRO takes no shortcuts when it comes to providing the depth that advanced users require. From unlimited tracks of audio and MIDI events, DirectX plug-in support, CD ripping/burning, streaming media creation, and support for 10 popular audio formats, no program is better than ACID at matching the tempos and keys of ACIDized WAV files and songs for loop-based music construction.*

### FEATURES

#### *Editing*

Create original, royalty-free music in minutes. Easy to use, you just pick the loops you like, paint them on a track, play your results and enjoy the music. Work with hundreds of multi-genre loops. Use unlimited tracks of audio. Import audio samples and complete songs, even MP3s. Audition loops before you add them to your project, automatically matching up tempo and pitch in real-time. And ACID automatically saves your work so can recover your work after a crash.

- ◆ Record music and vocals. Import audio tracks from CDs and control the volume, panning, and effects for each track.
- ◆ Use as many loops and MIDI tracks as you like with unlimited tracks.
- ◆ Restore projects to any previous state using unlimited undo / redo history
- ◆ Edit multiple tracks at once with ripple editing
- ◆ Perform tempo and key mapping
- ◆ Make tempo and key changes over time
- ◆ Insert volume and pan envelopes
- ◆ Mix several tracks into a new one (track bouncing)
- ◆ Create custom remixes of your favorite songs using the Beatmapper. A remixer's dream, Beatmapper helps you add tempo information to song-length files so you create your own remixes and combine music loops with songs. It's simple. Just import a song, add some beats and give it a powerful new edge. You can even change the tempo of your song without affecting the pitch.
- ◆ Time stretch and pitch shift Beatmapped tracks more efficiently with minimal echo or artifacts. ACID PRO 4.0 improves the playback of your time-stretched tracks with less stuttering, and provides you with much more detail in your Beatmapped projects.
- ◆ Drop markers in real-time along the timeline
- ◆ Modify volume, effects, and panning at the sub-group level using the new bus tracks in ACID PRO 4.0. Use these new bus envelopes to set track effect parameters, volume, and panning for your entire ACID project.
- ◆ Produce amazing drum fills, stutters, and DJ-style effects with the Chopper. This amazing tool allows you to select a portion of an audio loop and place it on a track as an event. Simply create a "chopped" event, place it on the timeline, and let your imagination run wild. All "chopped" events play in sync with your music.
- ◆ Score original music alongside your video to create the ultimate video production. With ACID's seamless ability to match pitch and tempo, scoring video has never been easier.
- ◆ Synchronize audio and video files at the frame level
- ◆ Select time signatures anywhere from 2/4 to 9/8, or customize your own settings anywhere from 1/1 to 99/32. Set tempo, key, and time signature markers in your projects, and make adjustments to the beat ruler during playback. Use the included odd-timed loops or create your own. Explore and expand syncopated beats and odd times used in Jazz, Latin, and other music styles.

#### *Effects Processing*

Add finishing touches to your projects with 20 DirectX Audio plug-ins from Sonic Foundry's XFX 1, XFX 2 and XFX 3. Alter effects over time using volume and track envelopes. Apply fades and transitions. Even apply effects on tracks, busses or in assignable effects chains.

- ◆ DirectX Audio plug-ins include Amplitude Modulation, Chorus, Delay, Distortion, Flange, Noise Gate, Reverb and more.
- ◆ ACID PRO 4.0 also includes three EQs—Graphic, Parametric, and Paragraphic and supports third party DirectX plug-ins.
- ◆ Create resonant sweeps, dramatic fades, and EQ changes using automation parameters and envelope control.
- ◆ Audition effects in real-time and tweak the results during playback
- ◆ Apply effects on tracks, busses, or as assignable effects chains

#### *5.1 Surround Mixing and Panning Automation*

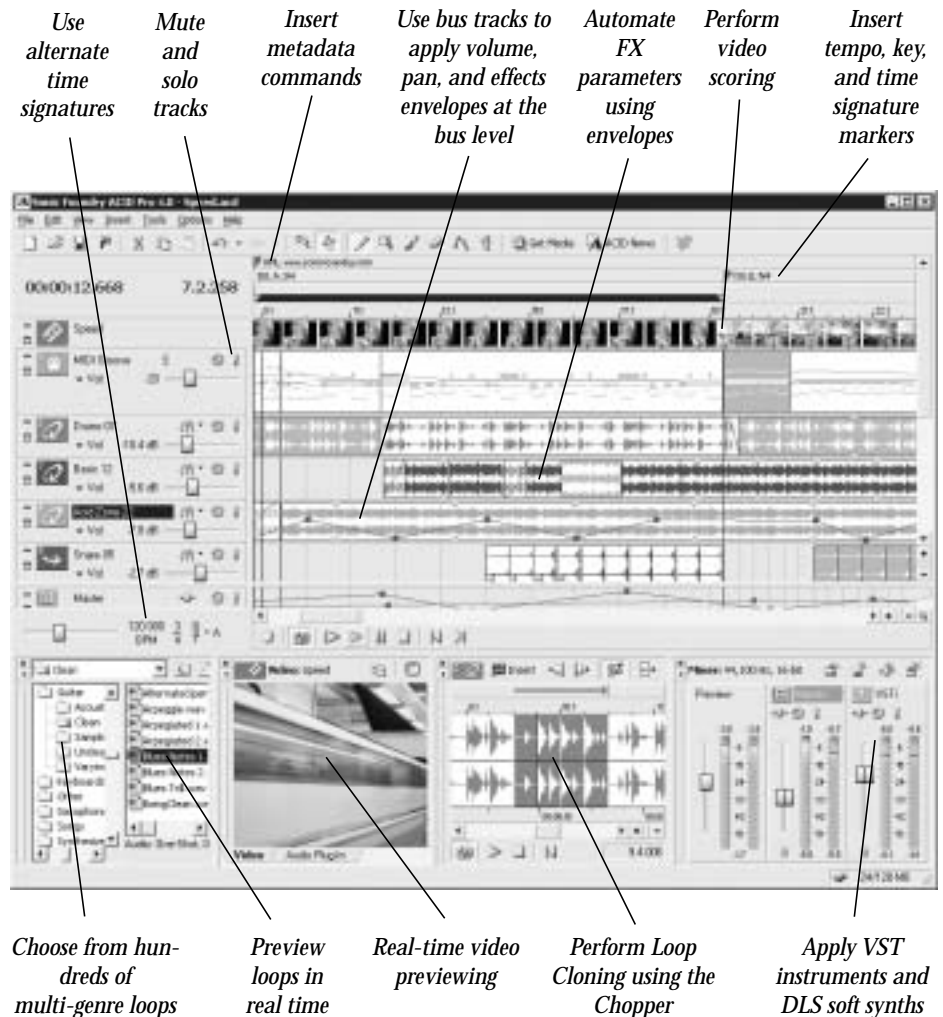
- ◆ ACID PRO 4.0 makes it easy to set up and mix 5.1-channel surround project files for audio and DVD productions. Use the new Surround Panner dialog to easily set channel positions. Automate your surround mix using fully keyframable panning.
- ◆ After creating your mix, export your project files and render output using any supported third-party 5.1 encoding software to provide your audience with the ultimate surround experience.

# SONIC FOUNDRY

## ACID PRO 4.0

### MIDI

- ◆ Perform MIDI recording, editing, and playback
- ◆ Use unlimited tracks of MIDI
- ◆ Record MIDI tracks directly into ACID using a MIDI controller
- ◆ Combine MIDI tracks with audio tracks
- ◆ Generate MIDI Time Code and synchronize with external devices
- ◆ Play MIDI files using external or internal MIDI sound sources
- ◆ Time stretch MIDI tracks
- ◆ Quickly view, filter, and edit MIDI events using ACID PRO's new MIDI list editor. Edit, add, or delete MIDI parameters including velocity, duration, and pitch.
- ◆ Align MIDI notes with beats using quantizing. Each MIDI command is listed in a sequence, allowing you to see exactly what notes and parameters are being changed at each point in your mix.
- ◆ Use step recording to add events to your project without having to use an external MIDI controller. Gain complete control all of the MIDI parameters you use including interval, duration, attacks, and release.
- ◆ Create and edit MIDI tracks in a piano roll format, just like a sequencer. The MIDI piano roll editor allows you to draw new notes, and makes it easier to graphically edit MIDI parameters.
- ◆ Use MIDI Quantizing to align your notes with beats based on the parameters you specify, including start times, and note durations. Select any quantize resolution between whole notes and 64th notes.
- ◆ Supports a wide variety VSTi plug-ins. VST instruments allow you play back your MIDI tracks through virtual synthesizers, filters, and effects. Software Instruments can be played live or in the studio in real-time via MIDI keyboards and other MIDI controllers.
- ◆ Use VST instruments and DLS soft synths. Now you can route any track to a new soft synth bus in the mixer window. Each bus controls its own DLS set, rather than being tied to individual tracks. The soft synth works as a Sound Module that allows you to choose which DLS set or VSTi you want to use with your MIDI tracks.



COMPUTER SOFTWARE

1117

### Video and CD Features

- ◆ Open and use WMA or WMV files in your projects along with loops, one-shots, and MIDI tracks. Its easy to render out your mix and create streaming media for the web.
- ◆ Two options for rendering projects containing video: Stretch to fill frame and Fast video resizing. The video preview window has an option to display square pixels.
- ◆ Rip audio tracks from CDs directly into ACID for immediate remixing. Burn audio projects to CD with track-at-once CD burning.
- ◆ Customizable track lets you specify default settings when adding new audio and video tracks. Set volume, pan type, height, and track effects to default values.

### Bundled Software

ACID PRO 4.0 comes bundled with Sonic Foundry's XFX 1, XFX 2 and XFX 3, Sound Forge XP Studio and VegasAudio LE. Also includes a music content CD containing more than 600 music loops and dozens of projects from Sonic Foundry's Loops for ACID collection. This huge assortment will get you on your way to creating royalty-free music in minutes. Genres include: Dance, Hip-Hop, Techno, Industrial, Pop, Rock, Jazz, Ambient, Orchestral and more.

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com



# SONIC FOUNDRY

## LOOPS FOR ACID

COMPUTER SOFTWARE

1118



### ACID DJ Expander Pack

A complete construction kit that delivers more of the same kinds of beats, basses, scratches and synths

that make ACID DJ 3.0 the ultimate loops-and-software combination package for Breakbeat, Downtempo, Jungle, Hard House, and Tech House tracks. For the best in modern dance music from Europe to Detroit. 586 (450MB) original loops.

**SOLADJEP.....38.95**

### George Pendergast: alt.rockdrums

Forty years of rock has seen drummers come and go, and the backbeats still rule. This assortment of unique grooves comes with all the right breaks and fills you need to make complete tracks. Each groove comes in two variations: clean and dry, and also with full-on production. 662 (498MB) original, loops.



**SOLAGPARD.....38.95**



### ACID Techno Expander Pack

Companion kit to ACID Techno 3.0. It gives you more materials in the exact proportions needed to make stunning elec-

tronica with superb sonic balance and fidelity. Make your tracks today, play them at the club tonight, and then publish your slammin', royalty-free, license-free mix tomorrow. The best value in adrenalin-pumping dance loops. 575 (460MB) original loops.

**SOLATEP.....38.95**

### Ambient Realms

Create innovative audio atmospheres and explore new musical environments with this collection of high-quality sound loops. You'll work with a broad spectrum of highly unusual textures, effects, noises, and beds, organized in easy-to-reference categories. Take an out-of-the-box approach to your next multimedia project or original composition. 121 (234MB) original loops.



**SOLAAR.....38.95**



### ACID Rock

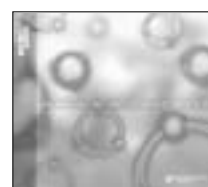
More than 800 loops from a variety of great players, including drummers Soggi Baldursson and Dave Abbruzzese, killer guitar

loops from blues master Paul Black and industrial shredder William Tucker. The collection is rounded out with a fine assortment of even more acoustic and electric guitar loops, plus bass, piano, clavinet, synth, and sax loops. 877 (498MB) original loops.

**SOLAR.....38.95**

### Aaron Mellinger, Aural E: Eclectic Electronica

An eclectic standalone music construction kit, Aural E is also ideal for multimedia developers who need positive, high-impact music and sounds of any duration. Aural E taps and unifies several music genres under rubrics of fidelity, immediacy, pop culture aesthetics, a little bit of kitsch, and the knowledge of what useful sample libraries provide.



**SOLAAEEE.....38.95**



### The Bill Laswell Collection

The first four loop libraries in the Bill Laswell Collection. Laswell supplies fuel for ACID users who are redefining music just as Laswell does — with total disregard for genre boundary restrictions and obsolete conventions in making, listening to, even conceptualizing, modern music and sound. Includes three libraries, plus a bonus library only available in the box set — Covert Diaspora, a 2 CD collection with superior 24-Bit sound.

**SOLABLC.....149.95**

#### The Bill Laswell Collection

### Volume I: False Encryptions

Bill Laswell reveals secret codes from the underground. Break them and reformulate it into new transmissions for broadcast within your own music communication networks. 664 (451MB) original loops.

**SOLABLIFE.....38.95**

#### The Bill Laswell Collection

### Volume II: Undocument

Realizations achieved in Bill Laswell's domain are decontextualized and prepared for the world of chaos and chance. Source materials are freely co-opted by end-users who incorporate ACID smear tactics in their tireless campaigns against conventional music. 675 (450MB) original loops.

**SOLABL2U.....38.95**

#### The Bill Laswell Collection

### Volume III: Letter of Law

The basic principals of Bill Laswell's production genius are delivered intact, but those with the most musical intelligence will now redefine their interpretation. 662 (450MB) original loops.

**SOLABL3LL.....38.95**

#### The Bill Laswell Collection

### Volume IV: Covert Diaspora

Dissemination of five strains of music virus via CD-ROM. There is currently no vaccine available. Develop mutations and upload them — we believe in your ability to infect and eliminate generic music forms. Retain your anonymity if desired. Join the flow. 656 (683MB) original, license-free loops.

**SOLABLAL.....38.95**



### Alex Spurkel: Electro-World Percussion

Traditional Middle Eastern rhythms in a series of performances that are energetic, technically accurate, and well-recorded. Addresses every major rhythm with traditional instruments such as doumbek, djembe, rik, frame drum, bendir, and wide assortment of hand percussion. Also includes programmed rhythmic counterparts for electronica—ideal for trance, jungle, and drum 'n' bass tracks.

**SOLAASEWP.....38.95**



### American Piano

Doug Colosio's (performance credits with Willie Nelson, Merle Haggard, Charlie Pride, Jewel, and many others), American Piano offers

solo piano phrases that breathe pure American spirit. From traditional country blues, swing, and stride riffing, to country rock and ballad figures that are edited to perfection, enjoy the sounds of smooth, natural, hand-played piano performances in ACID.

**SOLAAP.....38.95**



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# SONIC FOUNDRY

## LOOPS FOR ACID

### BASS-X

A collection of floor shakin' bass loops by Groove Addicts, the world-renowned L.A. music production and sound design house. A



collection of intros, choruses, bridges, plucks, clicks, muffs, and song patterns. BASS-X gives up the big bottom you need to anchor your rock, pop, alternative, dance, hip-hop and rap tracks. 686 (419MB) original loops.

**SOLABA.....38.95**

### Ambient Grooves: Bill Laswell's Sample Material

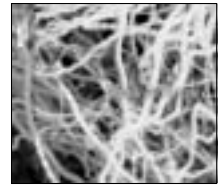
This stunning array of loop-based tracks ranges from the world of techno to the beat of the street and features many exotic instruments from different continents. Blend or destroy musical boundaries with a new level of experimentation and expression, using some of the most compelling music on the planet, from a truly original artist.



**SOLABLS.....38.95**

### Bradley Fish Unstrung

Outrageous blend of riffs and licks, produced with an assortment of instruments. Seven-string metal, blues-based rock, and sweet acoustic riffs mix it up with Chinese zithers, banjos, sitars, and more. Ever hear a mountain dulcimer shredded by a full Marshall stack, Banjo licks strained through a Morley wah? All this and more, with classic chops and a playful spirit.



**SOLABFU.....38.95**

### Classic Drum Machines: Syntonic Generator

An eclectic array of high-quality sounds for the ultra-discriminating

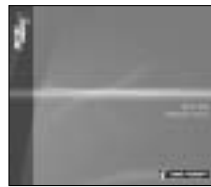


loop user. This disc includes hundreds of cutting-edge drum and synth loops for killer mixes—house, techno, dance, jungle, and industrial. 191 (267MB) original loops. Classic Drum Machines — the gear you need to mix.

**SOLASG.....38.95**

### Brian Daly: Metarock Visions

Metarock Visions is the brainchild of Brian Daly, one of the world's most accomplished loop library producers.



Here is a perfectly-proportioned modern rock construction kit with a collection of guitars, basses, drums, and synths. Brian's massive experience in every aspect of loop library creation culminates here. 765 (546MB) original, license-free loops.

**SOLABDMV.....38.95**

### Classic Country

A grab bag that will add some twang to your next audio project. If you want to capture that Nashville sound, you'll find



everything you need in this grab bag of musical loops: bluegrass, drum fills, guitar licks, and bass riffs. Add the whine of a pedal steel guitar or the jangle of a mandolin. Played with top-notch studio musicianship. 410 (261MB) original loops.

**SOLACC.....38.95**

### DJ Puzzle: Scratch Tactics

The DJ rules on Scratch Tactics, the first Loops for ACID library to give it up completely to the decks. This collection is proof that the turntable is a 'legit' musical instrument in a class by itself, and can supply nearly all the beats, breaks, riffs, and FX you need to make grooving, fully-produced tracks. Includes folders full of basses and textures. 515 (457MB) original loops.



**SOLADPST.....38.95**

### Bunker 8: Nu Groove Pop

Made-to-order dance tracks are minutes away with this collection of beatbox rhythms, tight bass lines, simple melody loops, and compact instrumental motifs. Plenty of infectious song starters are included, ready for your pop vocal track or video drop. Instant access to indelible, royalty-free hooks for making quality tracks with minimum effort and maximum chart potential.



**SOLAB8EAB.....38.95**

### Cinematix Volumes 1 and 2

The award-winning Groove Addicts team is all about music for media, and they understand the power of ACID. The Cinematix series contain high-energy, high-impact instrument loops, stingers, staggers, instant music beds in many styles, and great sound effects too.

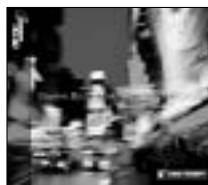


**Vol. 1** 300 (450MB) loops **SOLAC1.....38.95**

**Vol. 2** 285 (452MB) loops **SOLAC2.....38.95**

### Crimson, Blue & Fabulous: Horncraft for R&B

Known as 'the greatest horn section in the world', Birch 'Crimson



Slide' Johnson (trombone), Lou 'Blue Lou' Marini (tenor saxophone), and Alan 'Mr. Fabulous' Rubin (trumpet) offer blistering riffs, solos, and sections, presented in several keys for maximum flexibility and fidelity. 544 (532MB) original loops.

**SOLACBFHRB.....38.95**

### Downtempo Beats

Italian sound designer Leo Cavallo checks in with a collection of beats and grooves on the slower tip. This col-



lection contains a whole year's supply of fresh beats, trading tips on jazz, funk, hip-hop, electronica, and dance music. These slow groove exhibitions emit the inescapable vibe of the downtempo scene, converging styles. 427 (454MB) original loops.

**LLDB1000.....50.95**

### Drum Components: RADS

Build customized beat patterns with ease, unmatched flexibility and a user-friendly



structure. You get a vast assortment of kick, snare, hi-hat, and ride cymbal patterns, along with dozens of drum fills and cymbal samples. Create your own intricate, infectious drum loops in an incredible range of styles. 974 (235MB) original loops.

**SOLARDC.....38.95**

# SONIC FOUNDRY

## LOOPS FOR ACID

COMPUTER SOFTWARE

1120

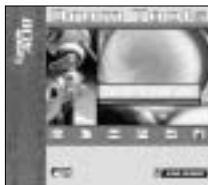
### *Pandora's Toolbox*

Add a degree of strange to your production with the dark side of sampling — Dark Ambient Soundscapes.



This collection comes from the mind of David Torn and was created for the soul who requires unusual sounds—creepy, kooky, edgy, and weird loops. Make your next project a little twisted with this collection of textural mayhem. 54 (308MB) original loops.

**SOLAPT.....38.95**



### *Drum Tools*

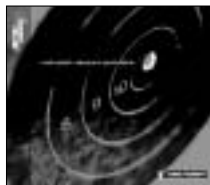
Percussion-based loops that will make your next musical project a snap, a kick, and a ride you won't forget. All tracks were recorded live

with the creative team from Roxette, the Swedish Top 40 group. Includes hundreds of infectious and irresistible percussion loops in a variety of styles. A must-have musical resource for pop and rock enthusiasts. 1215 (519MB) original loops.

**SOLADT.....38.95**

### *electronic point-blank*

Presented by Mark Pistel, founder of Consolidated, this unparalleled construction kit is aimed squarely at the underground techno / dance music scene. A solid construction kit of synths, drums, and FX — to make your remix shine, or come on with fully-produced tracks — license-free and royalty-free in ACID. 494 (452MB) original loops.



**SOLAMPEPB.....38.95**



### *Ethnicity*

Imagine a tabla from India or an Indonesian anklung in your musical palette. With Ethnicity, imagination becomes reality. Add soulful, global

sounds with hundreds of traditional rhythms. Explore new sounds and create audio experiences that have a unique cultural feel, using ready-to-use loops of percussion instruments from around the world. 324 (233MB) original loops.

**SOLAEN.....38.95**

### *David Torn's SPLaTTeRCeLL:*

#### **Textures for Electronica and Film Music**

Master guitarist and sound sculptor, David Torn, delivers a brilliant library of abstract guitar performances and studio effects to generate massive soundscapes and twisted sonic implants. Depend on this rich collection to provide the sounds that have made Torn famous for his originality. 173 (545MB) original loops.



**SOLADTS.....38.95**



### *Discrete Drums Volume 2*

Meticulously crafted and affordable beat crafting tools. Customizable rock/pop acoustic kit drum and percussion

grooves. At the macro level, each volume contains three fully-mixed foundation beats, with all the fills and variations for creating complete, seamless drum tracks instantly. At the micro level, get everything, from multitrack session files to isolated one shots.

**SOLADD2.....38.95**

### *Eletronica Grooves: Cyclotronic Resonator*

House, dance, techno, electronica, pop, acid, noise, and many other styles, all with the composer and producer in mind. DJs to radio producers can easily create thumpin' funk'n' tracks. Every loop resonates with creativity and flexibility for the ease-of-use of the composer/producer. 258 (261MB) original loops.



**SOLACR.....38.95**



### *Euro Techno: Ground Loops*

A collection of rave-ready beats, percussion, synths, pads, and arpeggios that reflect the energy and intensity of today's

European dance scene. Create an unlimited supply of richly textured, distinctive tracks that will capture the club vibe—from bleepy experiments to raging, four-on-the-floor techno excursions. 600 (460MB) original loops.

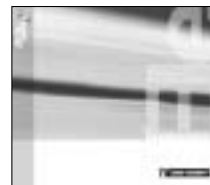
**SOLAET.....38.95**

### *designer.dance.tools: ddt*

Peace/Love Production's Jason Donnelly is as skilled as they come, and D.D.T. proves it with a perfect balance of beats, basses, synths, decks, and FX — all the must-haves for making techno, house, tech-house, progressive, trance, jungle, breakbeat, hip-hop, and downtempo tracks. 596 (501MB) original loops.



**SOLADDT.....38.95**



### *Electrocution Big Beat / Darkside Construction Kit*

The best of electro-hop, darkside, big beat and intelligent industrial music. Aaron Mellinger

delivers a generous supply of all the sonic elements you need. Beats range from slamming to ethereal, and an excellent assortment of basses, synths and textures roll from grooving to disquieting. 462 (507MB) original loops.

**SOLAE.....38.95**

### *Essential Sounds II*

Pick up where the ACID PRO 2.0 (Essential Sounds I) leave off. With Essential Sounds II, you receive even more "bread



and butter" loops. Essential Sounds II features a huge variety of instrument types and styles—from super-funky electric bass to tasty sax licks and everything in between. Get every sound you need to make great music! 630 (459MB) original loops.

**SOLAES2.....Call**



### *Electro Hip-Hop: Mac Money*

Deliver the sounds of the hottest Top 40 hip-hop and R&B tracks on the charts. The complete package of beats,

basses, keys, guitars, and more, including the sweetest vocal harmonies, speech, and scratchin' you've ever heard. Whether you're an experienced producer or just getting started with ACID, these are hit-making sounds. 421 (475MB) original loops.

**SOLAMMHH.....38.95**



EQUIPMENT LEASING AVAILABLE

# SONIC FOUNDRY

## LOOPS FOR ACID

COMPUTER SOFTWARE

1121

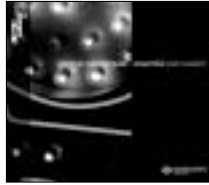


### Extremely Abrasive Beats

Extremely Abrasive Beats (EAB) is an unrelentingly harsh collection of fried beats and severe accents made for launching multiple rhythmic sorties on every industrial, postrock, crunchy downtempo, abstract hip-hop, and sheer noise frontier on the map. Pain-inducing, speaker-shredding, and highly toxic, EAB transforms ACID into a piece of sonic ordnance that will effortlessly incapacitate the enemy and render it harmless. Use it without mercy.

**OLAEB** ..... **38.95**

### George Pendergast: Essential Percussion



Packed with inspiring patterns played on custom kits, and a wide variety of hand percussion, including congas, bongos, djembe, doumbek, slit drums, timbales, bells, cymbals, shakers, tambourines, and more. In addition to patterns, an included extensive one shot collection allows you to customize your tracks and achieve unique results.

**SOLAGPARD** ..... **38.95**

### Essential Sounds III



All the sound-building components needed to complete a variety of projects. In the music department, you'll find acoustic and electronic drum grooves, wicked guitar and keyboard loops, funky bass grooves, and more. Elsewhere on the disc, you'll find game-sound elements and sound effects, Foley effects, sound-scapes, menu wipes, and more! An invaluable tool for composers, producers, and sound designers alike.

**SOLAES3** ..... **38.95**

### Fluid Dynamics: Computational Drum 'n' Bass



Complicated packets of rhythmic information can be painted across your screen to create smooth, high bpm rhythm beds which can be edited at the microscopic level to achieve all precarious twists and turns that make drum 'n' bass exciting.

**SOLARMFD** ..... **38.95**

### Futurist Drum 'n' Bass



Create one of the most versatile and exciting styles of music happening today—fast tempos and fractured

breaks that resonate throughout the worlds of rock, pop, jazz, and hip-hop. Futurist Drum 'n' Bass delivers perfect beats and takes the tedium out of editing and matching difficult rhythms. 800 (400MB) original loops.

**SOLAFDB** ..... **38.95**

### Fast Breaks



Fast Breaks delivers speedy drum 'n' bass grooves on a budget. With all the beats and basses on this disc, you'll take a permanent vacation from long hours of recycling and editing loops. With

Fast Breaks, you will enjoy the fun process and creative satisfaction of working with beats and basses. 328 (224MB) original loops ..... **Call**

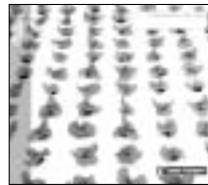
### Headstrong Grooves



Contains most current beats and basslines. Paint your grooves into ACID and then adorn them with grungy synth leads, futuristic analog effects, filter sweeps, scratches, and more. Has everything you need to make dance music in the garage and 2-step styles. Add an MC or some diva samples, and achieve complete control. 634 (527MB) original loops.

**SOLAHG** ..... **38.95**

### Hydroponic Hip-Hop



There's some super phat hip-hop hydro budding in Brian Daly's digital hothouse, and it's all bumpin' to the beat. Brian's hydro is the best, and Hydroponic Hip-Hop is one killer harvest of mad blunted Loops for ACID. Get your mic under control, open your ACID, put the hydro on the tray, and click-slide on the perfect grooves. 428 (534MB) original loops.

**SOLABDHHH** ..... **38.95**

### Industrial Toolkit:



*Methods of Mayhem*  
Create sonic disturbances with this organized catalog of strange and deranged loops. Space vibes, metal on metal hits, and short synth stabs are just the beginning. The disc also includes hundreds of aggressive samples, from twisted guitar riffs and distorted synth loops to feedback rhythms and mouthbox beats. 1090 (554MB) original loops.

**SOLAMOM** ..... **38.95**

### Intelligent Dance Music: Twine Components



Intelligent Dance Music is an exclusive view of electronica from the stratosphere of sound

design. Create harsh, twisted beats or lush ambience using an assortment of electronic rhythms, melodies, bass lines, electro-acoustic treatments, digital breakdowns, and evocative sonic environments. 350 (449MB) original loops.

**SOLAIDM** ..... **38.95**

### Junkyard Rhythms

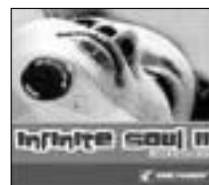


Superstar percussionist Joe Vitale and producer Joe Vitale Jr. spent countless hours

pounding away at a junkyard, in search of metallic objects that would yield maximum klang. What they found will amaze you! So, if you need some percussion that'll make people say, "What was that?!" look no further than Junkyard Percussion. 868 (470MB) original loops.

**SOLAJYR** ..... **38.95**

### Infinite Soul Volumes 1 and 2



The best in R&B construction kits. Both Infinite Soul volumes are perfect for variety, balance, and fidelity and

provide an unbeatable rhythm section for holding down your lyrics, raps, and jams. They also contain complementary ACID starter projects made by the MAC MONEY team.

**Vol. 1** 300 (369MB) loops. **Vol. 2** 296 (266MB) loops.  
**SOLSKIS1** ..... **18.95** **SOLSKIS2** ..... **18.95**

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com



# SONIC FOUNDRY

## LOOPS FOR ACID

COMPUTER SOFTWARE

1122



**Orchestral Series**  
The Orchestral series is a four volume collection of **Classical, Modern, Cinematic** and **Rock & Pop** loops and compositions. An international team of gifted composers and producers produces this astounding variety of authentic original music, presented as inspiring collections of royalty-free sounds. Precisely edited to provide you with the loops you need to conduct your own virtual symphony. 2334 (2169MB) original loops.  
**SOLAOLP** .....**149.95**



**Orchestral Series 1: Classical**

Composers and musicians steeped in the history of European music pay tribute to the most beloved Baroque and Romantic period composers. Create a genuine and complete orchestral experience. 589 (536MB) original loops.  
**SOLA1C**.....**38.95**



**Orchestral Series 2: Modern**

An astounding collection of harmonically rich and impressionistic spaces, as well as the propulsive, kinetic energy of formal minimalism. 720 (544MB) original loops.  
**SOLA2MO** .....**38.95**



**Orchestral Series 3: Cinematic**

Evoke a sense of time and place, or underscore mood and atmosphere. Complete orchestral pieces provide instant soundtracks. Includes individual instrument and solo section loops. 412 (529MB) original loops.  
**SOLA3C**.....**38.95**

**Orchestral Series 4: Rock & Pop**

String, brass, woodwind, and percussion loops edited to provide intros and transitions, follow chord changes, and add more sparkle to your tracks. 635 (561MB) original loops.  
**SOLA4RP**.....**38.95**



**Jazz Solos and Sections**  
**Vince Andrews Horns & Woodwinds**

Traditional and effected sounds including silky and sparkling brass and woodwind riffs as well as counterpart files created by Sonic Foundry's sound design crew. Make a solo statement on your jazz track, or add a blue note or a blaring distress call to your next composition with these 529 essential jazz loops. (409MB).  
**SOLA1VASS**.....**38.95**



**On the Jazz Tip**

Bring in the swing, the sting, and genuine jazz thing with this virtual band-in-a-box that contains an assortment of red hot-'n'-blue horn licks, beat crazy drum fills, hot electric piano licks, and much more. You'll get hundreds of drum sounds and instrumental tracks, including sax squeals and bass grooves. Juice up your musical palette with On the Jazz Tip. 1010 (557MB) original loops.  
**SOLA1010**.....**38.95**

**James Johnson: Slow Silhouette**

A double disc collection of long, sparse music segments designed for sustained, non-looping musical passages. Used alone, each segment exists in a single, simple, highly refined sound space. Layering these sounds will allow you to create an infinite number of stunning buildups, transitions, or even complete long form pieces of flowing, seamlessly composed music.....**38.95**



**Knutrix Drum 'n' Bass**

The beats and textures that define drum 'n' bass are sophisticated and positive. Integrating with virtually every genre, flexible drum 'n' bass soundbeds permeate clubs, TV commercials, and multimedia presentations. Drum 'n' Bass is an articulated, super-smooth construction kit that provides all the instrumentation needed for creating complete compositions.  
**SOLA1KDB**.....**38.95**



**Ilona! Universal Female Vocals:**



Take three full octaves of 'oooh' and 'aah' vocal samples, with long and short durations provided for every note. Then, add the production candy: separate, stereo Lexicon 480

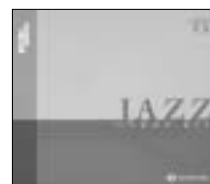
reverb tracks, with your choice of decay times - for each and every note. Create a conventional mix, or experiment with unique combinations of sung notes and reverbs for startling vocal effects. Includes an assortment of royalty-free diva samples.  
**SOLA1UFVTK** .....**38.95**

**Jade Hill: Rock/Pop Guitars**

A beautifully crafted collection of guitar loops designed specifically as tools for chartbound singers and songwriters. Choose from a variety of jangly, bluesy, funky, and hard rock chord structures, and modify these in ACID to suit your arrangements. Then, personalize your creations with guitar solos that range from clean and melodic to chunky and shredded. Over 600 loops.  
**SOLA1HRPG** .....**38.95**



**Sound Genius Studios: Jazz Trap Kit**



Get ready to enjoy a rainbow of styles: swing, smooth, 3/4, 5/4, sambas, waltzes, marches, and more! Customize your jazz rhythm beds with brushwork, isolated hi-hat and cymbal patterns, rolls and licks, and a comprehensive selection of one shots. Includes some bongo, conga, and dumbek patterns to add some extra cool to your mix .....**Call**

**Latin Percussion**

Latin Percussion is a collection of sizzling Latin rhythms from straightforward to exotic. Whether it's a simple shaker, hypnotic clave, driving conga, or intense ensemble, these meticulously tight and dynamic performances will lend movement and energy to any track. Turn up the heat on your next audio masterpiece. 600 (452MB) original loops.  
**SOLA1P**.....**38.95**



# SONIC FOUNDRY

## LOOPS FOR ACID

COMPUTER SOFTWARE

1123



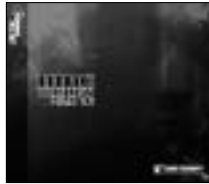
### Leo Cavallo's Bass Taster

A superbly played and produced collection of bass loops that'll have you well covered for funky downtempo grooves,

chilled out low end pulsations, and articulated post prog sonic tapestries. Inspired performances on fine instruments, smart processing, and Leo Cavallo's evolved loop library creation aesthetics are all present and accounted for here. Bonus folder full of drum loops, synth riffs, and special FX.

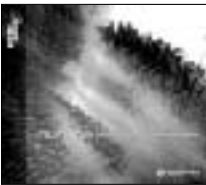
**SOLALCBT.....38.95**

### Mac Money R&B 101



A stunning crash course in building superb R&B tracks. This impeccable construction kit contains a wealth of loops conceived and executed in classic Mac Money style - killer beats, super phat basses, funky keyboards and guitars, and all the other ear candy it takes to round out a one-disc hit factory of infinite possibilities. 561 (498MB) original loops..

**SOLAMMRB101.....38.95**



### Numina:

Numina synthesist / composer Jesse Sola delivers startlingly pure sounds that reference common emotions and cinematic events with

the kind of flair that will make your listeners feel as if they're having a completely new experience. This construction kit contains a range of flexible, useful elements including beats, beds, melodies, and effects, that share an obvious, universal appeal.

**SOLANRRQ.....38.95**

### New York Dance I & II

New York Dance I is one of two original, exclusive construction sets created by Doug Beck, one of the Big Apple's best-known remix artists. It contains your most requested styles including big beat, house, electro, jungle, and more.



**Vol. 1** 301 (252MB) loops. **Vol. 2** 303 (239MB) loops.  
**SOQLNYD1.....19.95** **SOQLNYD2.....19.95**



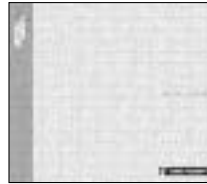
### Leo Cavallo: The Songwriter's Acoustic Guitar Companion

Browse through these sounds and you'll be endlessly entertained and

amazed as you try to name all the smash hit singles born with just an acoustic guitar, a timeless lyric, and chord progressions just like these! Your amazement will turn into pure inspiration as new songs emerge from your desktop studio one after another.

**SOLALCAGC.....38.95**

### Machine Language



This comprehensive hard techno construction kit by creator Jon Drukman delivers intense dance floor

action — no polite, standard fare here, just five hundred maximum techno loops created by a well-established pro, all imbued with the special bits that'll make 'em fly in ACID — the ultimate dance music creation engine. 500 (487MB) original loops.

**SOLAML.....38.95**

### New Roots Reggae



New Roots Reggae boasts a brilliant abundance of roots, dub, and dancehall reggae grooves and instrumentation — presented with a modern electronic

slant. It's an exotic island collection that will appeal to roots rockers and dub scientists alike. 425 (450MB) original loops.

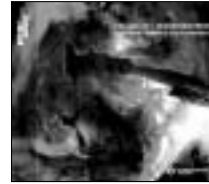
**SOLANRR.....38.95**

### Phat Trax XXL



Put some real backbone under your rhymes with this all-in-one Hip-Hop workshop. Phat beats and basses, solid instrument riffs, turntable scratches, a folder full of MC announcements, and everything else you need to compete. 301 (182MB) original loops.

**SOQLPTXXL.....19.95**



### Ma Ja Lé: Chromosphere

Intense percussion loops, disintegrating analog instruments, forbidden Theremin transmissions, solarized electric guitars, and more are presented

with the awesome fidelity and advanced production techniques that define the current state of the Ma Ja Le' sound. An extremely effective one-stop scoring tool, as well as a great resource for sweetening tracks in almost any modern music genre.

**SOLAC.....38.95**

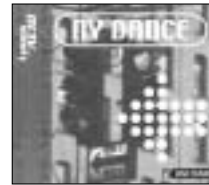
### Mick Fleetwood: Total Drumming



Fleetwood Mac's Mick Fleetwood is the living history of rock. Total Drumming reveals the shining core of the Fleetwood style, and showcases all the beats and rhythms that literally

changed the course of modern music. Let the power of rock history propel you into the future.

**SOLAMFTD.....38.95**



### New York Dance

New York Dance is a dance music construction kit produced by Doug Beck, one of NYC's hottest young producers and remix

artists. A perfect blend of contemporary styles including big beat, house, deep house, electro, jungle, and more. Combine the sounds in New York Dance to create your own glittering opus. 604 (491MB) original loops.

**SOLANYDP.....38.95**

### Prototechno: Techno Foundations

A complete construction kit for making pure, fully developed techno tracks. Created using vintage modular synths and digital modeling instruments, this is a collection of very stern



techno, with no intrusive signal processing added to interfere with the massive crunch and klang of the authentic instruments. 532 (490MB) original loops.

**SOLAPTF.....38.95**

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com

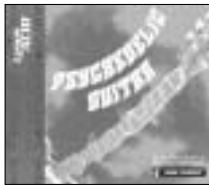


# SONIC FOUNDRY

## LOOPS FOR ACID

COMPUTER SOFTWARE

1124



### Psychedelic Guitar

*The Serpentine Magic of Harvey Mandel*

Harvey Mandel is one of the pioneers of psychedelic music, with a style

that changed the world of rock guitar. Psychedelic Guitar includes his signature soaring leads saturated with effects, supple rock rhythms, special effects, and mountains of tone and sustain—with the feel of an improvised live performance. 269 (405MB) loops. **SOLAPG.....38.95**

### Rapoon: Sci-Fi Tribal

The spaces between Robin Storey's mesmerizing loop points are filled with strange combinations of ethnic instruments, assorted noisemakers, found objects, obscure sound



bites, and severe processing. Sci-Fi Tribal is a gateway to moods and atmospheres that will make lasting impressions. 462 (510MB) original loops.

**SOLARSFT.....38.95**

### Stylus Pressure



Apply the Pressure and enjoy the strange fruits of years spent diligently cataloging and preparing fine soundz, distilled by Stylus Pressure down to thirty-seven construction kits that effuse pure

urban magik - trippin' grooves and freaky sonic collages that flow into ACID as quickly as you can act and react with the paintbrush tool.

**SOLASP.....38.95**

### Sounds of Asia: Opium

Capture the spirit of the Orient in a collection of truly original audio loops. Opium contains unique tracks that



encompass a variety of traditional Asian instruments. Weave mesmerizing musical spells from the Far East, add instruments like the dizu flute, the pip, and the yangchin. Give your next musical composition a touch of the exotic. 241 (229MB) original loops.

**SOLAO.....38.95**



### R&B Drums: Groove Spectrum

R&B Drums: Groove Spectrum is the funk drum groove encyclopedia. This is a virtual his-

tory of R&B, from its cold sweat beginnings to the machine-driven grooves of today's smoothest R&B hits. R&B Drums includes classic acoustic kit drums, congas, and one-shots as well as modern machine grooves. 588 (410MB) original loops.

**SOLARBD.....38.95**

### Robin Storey's Rapoon

*Textures & Soundscapes*

Robin Storey is a founding member of the music ensemble zoviet-france: and the genius behind many critically-acclaimed solo releases. Immerse yourself in Rapoon—a neo-primitive depiction of a post-industrial dreamtime. Create unsettling and serene sonic images. 590 (486MB) original loops.



**SOLARSR.....38.95**



### Ma Ja Le':

*Saturn & Elsewhere  
Ethereal Textures and  
Psychotropic Rhythms*

Space Music features intricate soundscapes, and lush, high fidelity sound. Enjoy the pulsating

rhythms and swirling textures of Saturn and Elsewhere - a group of tribal ambient sounds. Utilized as a stand-alone kit, or a source of rhythms and atmospheres for electronica, experimental music, and film scores. 277 (479MB) original loops **Call**

### Spektral Minimalism

Sonic Foundry together with ambient minimalist composer James Johnson present a Loops for ACID library filled with shifting, amorphous atmospheres, long drifting soundscapes, elegant piano passages, and textures that span the entire aural spectrum. Here is a collection of sounds made to dance in and out of the listener's consciousness 123 (526MB) original loops.



**SOLAJSM.....38.95**



### Ambient Atmospheres & Rhythms

*Robert Rich's  
Liquid Planet*

An organic and synthetic world filled with

compelling sounds. Populate your songs with a generous array of rhythms, melodies, and atmospheres. Choose from flutes, drones, and textured soundscapes, and impart to your music hypnotic, nuanced minimalism. 482 (569MB) original loops.

**SOLARRLP.....38.95**

### Rudy Sarzo: Workingman's Bass

Rudy Sarzo's rock sold bass has worked like a charm for metal bands.



For Sonic Foundry, the ACID-savvy bassman stamped out big pallets full of thick, round-wound bottom fasteners, trimmed for optimum treble and bite, perfectly looped, and ready for delivery to your local ACID assembly plant. 1582 (436MB) original loops.

**SOLAWB.....38.95**

### Siggi Baldursson's Drumsugar High-Carb Acoustic Drum Grooves



Loose, funky, rockin', and sophisticated, this generous array of beats, breaks and made-to order drum tracks will meet your creative demands.

Recorded at Butch Vig's Smart Studios by veteran library producer Brian Daly, Siggi creates an atmosphere that is musical and inspiring. 780 (555MB) original loops.

**SOLASBDS.....38.95**

### Street Beats

Offering incredibly funky drum loops, this practical disc delivers everything from hard-core hip-hop, jungle, and house to traditional R&B



and soul beats. Authentic raw sounds, live, studio, and even true street sounds - recorded all over the world - are included. Street Beats delivers the real deal... beats that you want to use, sounds that you want to hear. 147 (34MB) original loops.

**SOLASB.....38.95**



EQUIPMENT LEASING AVAILABLE

# SONIC FOUNDRY

## LOOPS FOR ACID

COMPUTER SOFTWARE

1125



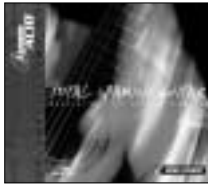
### Synthetic Sound Effects: Twisted Reality

Take a trip through warped worlds, fantastic futurescapes, and unidentifiable ethereal

realms. Synthetic Sound Effects is a collection of sounds that defy imagination and categorization, from vocal weirdness to vintage FX noises. Let your creativity explore strange, uncharted territory with Synthetic Sound Effects. 269 (221MB) original loops. **SOLATR.....38.95**

### Total Spanish Guitar

A collection of traditional and modern acoustic guitar performances rendered in a comprehensive range of flavors and feels. From lightening-fast picado leads to rasgueado rhythms and beautifully played soft ballads, all of the loops in this collection are imbued with stylistic authenticity, real musicality, and breathtaking performance and engineering skill. 928 (774MB) loops.



**SOLAPBG.....38.95**

### Trance NRG



The veteran PLP sound designers are proud to present Trance NRG, a balanced set of do-it-yourself beats, crisp arpeggios, long sweeps, saturated leads, clean basses, and club style

scratches. Pick loops with complex, full-bodied structures for making quick tracks on demand, or dive in and start from scratch with minimal beat component loops and their one shot counterparts. **SOLATNRG.....38.95**

### Vir Unis: Infusion

Fractalized Grooves and Atmospheres

Vir Unis has proven time and again his mastery of blending beats and atmospheres into compelling electronic biorhythms and psychedelic landscapes. Infusion delivers morphing and shapeshifting electronica loops, electro-tribal beats, industrial noisescapes, and deep space atmospheres. 257 (454MB) original loops.



**SOLAVU.....38.95**



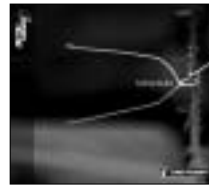
### Techno Club Grooves 1: Funky xtreams I

TOKYO-originated grooves that take the lead for the new club scene. All the percussive

rhythms for the latest in techno, hip-hop, trip-hop, and more. Add hard-core techno beats, machine beat loops, cool vintage rhythm box patterns, and stylized grooves, or create your own grooves with kick bass, hi-hat, and tom loops. 211 (298MB) original loops. **SOLAFX1.....38.95**

### Twine: Build

Electronica duo Twine provides access to some of the most evolved sounds in electronica, in a self-contained music construction kit of beats and textures derived



from Twine's world of deeply-processed audio. Experience an alchemical fusion of electronic and acoustic elements that constitute a truly unique perspective of music and sound. 341 (534MB) loops. **SOLATB.....38.95**

### Universal Groove Elements



A multitude of musical genres boiled down to the core essentials. These tracks are all the building blocks you need to construct fully-realized pieces of exquisite, cutting-edge music.

From hip-hop to techno, basslines to beats, this disc has it all—the definitive collection of all that moves and grooves. 886 (536MB) original loops. **SOLAUGE.....38.95**

### Voices of Native America

Douglas Spotted Eagle, Grammy Award winner, takes you into the soul of North American indigenous music with soul-stirring sounds from exquisite solo



vocals and flute passages to a variety of thrilling drum sounds. Sounds of the earth, the sky, the wind, and the rain—indigenous music at its best. 133 (173MB) original loops. **SOLAVNA.....38.95**



### Techno Club Grooves 2: Funky xtreams II

Get hip, vintage loops from the KORG Rhythm55 preset rhythm box. These rare sounds

are essential for any serious vintage rhythm machine user. For a refreshing departure from other rhythm machines, add sounds like the "Disco" or "Bossa-Nova" presets, which sound great even to this day. 186 (115MB) original loops. **SOLAFX2.....38.95**

### Techno Synth Loops Volume 2

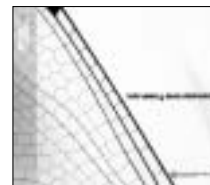
The essence you need to create music for dancing all night. Create wicked techno, drum 'n' bass, ambient, and house grooves. This collection



of funky dance sounds was created on the greatest synthesizers - Korg MS20, Minimoog, Prophet-5, Roland Jupiter6 and Jupiter8, and Yamaha DX7. 193 (109MB) loops. **SOLAS2.....38.95**

### Vir Unis: Bug Report

A complete construction kit that extends the Vir Unis lexicon of bionic grooves and deep soundscapes to incorporate



elements of contemporary minimal electronica. The tight integration of organic and synthetic structures allows even the most static forms and heavily quantized passages the ability to breathe with the dynamism of real life.

**SOLABR.....38.95**

### Voices from the Blackbox

Hip-Hop/R&B Vocals: Mac Money Voices from the Blackbox is your source for male and female vocals built on rap, soul, hip-hop, and R&B.



Filled with solos, harmonies, and scat phrases, the Mac Money team delivers the sounds you need to add professional vocals to your latest mix. 784 (474MB) original loops.

**SOLAMMV.....38.95**

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com



# SONIC FOUNDRY

## LOOPS FOR ACID

COMPUTER SOFTWARE

1126



### Ugly Remnants Vol. 1 & 2

The original Ugly Remnants collection was celebrated as "...massive... scary... twisted... ghostly... weird... wonderful... an excellent body of work." (EM Magazine). Now updated over two volumes, each one a complete kit containing an enormous variety of music and sound.

**Volume 1: SOLAURI**.....**38.95**  
**Volume 2: SOLAUR2**.....**38.95**

### World Percussion:

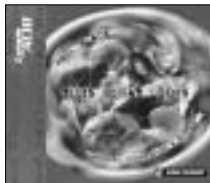
#### Marc Anderson's Dragon Dance

Marc Anderson, a student of African percussion, understands ancient sounds and modern technologies, and World Percussion marries them both. This library contains sounds that range from essential single solo instruments and performances to blistering walls of tribal thunder. 586 (465MB) original loops.



**SOLAMADD** .....**38.95**

### Blues Guitar: Paul Black's Whiskey, Cigarettes & Gumbo



A gold mine of authentic, traditional blues: deep delta stylings and scorching urban riffs, rich with tone and character. Artists, engineers, and editors unite in a synergy to capture this mash of tasty licks. Add the essence of Paul Black's slide and fingerstyle work to your own musical creations. 660 (611MB) original loops.

**SOLAPBG** .....**38.95**

### Steve Tibbetts: Friendly Fire

Steve Tibbetts' releases have received five star reviews in publications ranging from Rolling Stone to Downbeat to Guitar Player. This collection explores the full spectrum of Steve's



unique approach to music and sound, from the trademark psychedelic rainbows of distorted guitar, to the impossibly delicate and meticulously produced acoustic work that never fails to leave you transfixed. **SOLASTFF** .....**38.95**

### Underground Soundlab: Hip-Hop Construction Kit



Allows you blend straight rhythm section instruments with skillful vinyl resourcing and advanced production techniques to create hip-hop with unmatched levels of

sophistication and fidelity. Sound is open and spacious, lush, detailed, and extremely elastic and phat. Saturated with classic funk / R&B references.

**SOLAUS** .....**38.95**

### World Pop

In World Pop, producer Richard Michos blends music genres with world influences. This kit offers many styles and textures, including



rhythm sections, percussion loops, electric guitar washes, and Pakistani and East Indian vocal flourishes — melded to produce shimmering, exotic results. World Pop will enhance the musical landscape of your next composition. 389 (451MB) original loops.

**SOLAWP** .....**38.95**



### Vintage Analog Synths: Vortexual Amplitude

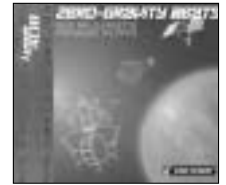
The ultimate analog loop sampling disc. Hundreds of loops from great synthesizers such as the

ARP 2500, Odyssey, EML Electrocomp 101, CAT SRM, Roland SH-1, Sequential Circuits Pro One, MultiMoog, and Memory Moog. Great for analog heads, DJs, radio producers, or anyone wanting to add classic synth sound. 119 (131MB) original loops.

**SOLAVA** .....**38.95**

### Processed Drumkits: Zero-Gravity Beats

Futuristic, processed drum loops from Soggi Baldursson using a range of unusual and slightly outrageous recording techniques and effects processing. Intense creative drumming adds flair and builds rhythmic foundations for trip-hop, jungle, dub, techno, space rock, trance, and other ultra-modern musical styles. 765 (543MB) original loops.



**SOLAZGB** .....**38.95**

## CD Architect 5.0

### Professional Red Book Audio CD Mastering

Produce professional audio CDs to Red Book specification with *CD Architect 5.0*— the most precise audio CD mastering and burning tools available. Arrange your *CD Architect* project using simple drag-and-drop operations. Produce complex crossfades and DJ-style megamixes. Generate multiple takes of a song to use in your project before burning. Create live-style CDs with audio in the time between tracks, apply volume envelopes and event ASR envelopes — even create hidden tracks. Perform full PQ code editing, trim events from full-length media and add as new tracks, import regions from *Sound Forge* as tracks, master audio by applying over 20 real-time DirectX effects to events and the master output, and perform disc-at-once CD burning.



- ◆ 32-bit, 192kHz source audio support
- ◆ High-quality resampling and dithering
- ◆ Trimmer window
- ◆ Undo/redo history list
- ◆ Multiple file format support
- ◆ Media file previewing
- ◆ Tabbed/docking windows
- ◆ Greater than 1:1 zoom
- ◆ Ripple editing
- ◆ Audio layering to create complex cross-fades
- ◆ Real-time pitch shift/time stretch
- ◆ Unlimited volume envelope points
- ◆ Expanded drive support including USB and FireWire devices



# SONIC FOUNDRY

## ACID LOOP BUNDLES

### Drum Pack

Drummers fear this bundle. An infinite number of potential hit singles are hidden in this amazing collection of killer kit drum and percussion loops. 4142 (2159MB) original, license-free loops.

**Kit contains:**

- ◆ Drum Tools is the arbiter of clean, simple rock and pop beats, and the 'Laidback' section has the drum loops you need for your slow songs and ballads.
- ◆ R&B Drums: Groove Spectrum is a drum groove timeline that documents decades of the genre, while Drum Components: RADS allows you to go in and build great drum tracks from the kick drum on up.
- ◆ Latin Percussion is the work of megahit percussionist Joe Vitale, and Processed Drumkits: Zero-Gravity Beats is there when you need something a bit more on the startling side.

### Guitar Pack

Two pure guitar libraries and three guitar-heavy construction kits comprise this genre-spanning bundle. 3059 (2290MB) original loops.

**Kit contains:**

- ◆ Psychedelic Guitar
- ◆ Blues Guitar:  
Paul Black's Whiskey, Cigarettes & Gumbo
- ◆ Industrial Toolkit: Methods of Mayhem
- ◆ Classic Country
- ◆ Essential Sounds II

### Urban Pack

Your hip-hop and R&B dreams will become a reality when you add these five smooth libraries full of funky stuff to your toolbox. 3332 (2325MB) original loops.

**Kit contains:**

- ◆ On the Jazz Tip is a perennial favorite that features real players and a warm, old-school feel.
- ◆ Electro Hip-Hop: Mac Money gives up some serious machine grooves and big bottom in a construction kit that speaks hi-fi on every loop.
- ◆ The R&B Drums: Groove Spectrum is an exceptional R&B drum loop library that works anywhere in the R&B timeline.
- ◆ Last but certainly not least, Hip-Hop/R&B Vocals: Mac Money Voices from the Blackbox will give your tracks all the vocal candy they need to make your music truly unique.
- ◆ Urban Pack also includes contemporary, essential sounds from Jazz Solos and Sections: Vince Andrews Horns & Woodwinds.

### Dance Pack

Make your own club scene with this brilliant mix of Electronica and Techno loop libraries. 2499 (1863MB) original loops.

**Kit contains:**

- ◆ New York Dance supplies the basic materials needed to create music that spans House, Electro, Jungle and more.
- ◆ Futurist Drum 'n' Bass gives you even more fine beats and synth elements.
- ◆ Techno Club Grooves 1: Funky xstreams I and Vintage Analog Synths: Vortexual Amplitude add character by giving you access to rare and vintage gear.
- ◆ Processed Drumkits: Zero-Gravity Beats adds something completely unique and original - acoustic drum performances by former Sugarcube Siggi Baldursson, tweaked and processed into pulverizing grooves, made to order for intense dance music.

### Producer's Pack

This bundle supplies you with Sonic Foundry's finest assortment of textural elements for creating atmospheres and sound-tracks. 2468 (2276MB) original loops.

**Kit contains:**

- ◆ Universal Groove Elements and World Pop provide a generous assortment of beats and rhythmic elements.
- ◆ Textures & Soundscapes: Robin Storey's Rapoon, Ambient Atmospheres & Rhythms: Robert Rich's Liquid Planet, and Ambient Realms serve up the atmospheres and textural details you need to create musical narratives that will leave a lasting impression.

### World Pack

Travel the globe and beyond with a group of libraries that explores traditional world music and cross-cultural musical hybrids. 2386 (1937MB) original loops.

**Kit contains:**

- ◆ Sounds of Asia: Opium and Ethnicity are full of Asian treasures performed on ancient instruments.
- ◆ Latin Percussion features the driving rhythms of session star Joe Vitale.
- ◆ World Pop combines Indian and pop elements into something completely contemporary
- ◆ Ambient Grooves: Bill Laswell's Sample Material is a large sample of the genius that defines Laswell as the most significant catalyst of world music working today.

### Ambient Pack

Explore new dimensions in sound with this carefully constructed pack. Each library brings something different to your ambient creations. A sonic adventure through uncharted musical frontiers. 1510 (2522MB) original, license-free loops.

**Kit contains:**

- ◆ Master guitarist and sound sculptor David Torn delivers a wide range of abstract sounds in SPLaTTeRCeLL: Textures for Electronica and Film Music.
- ◆ Robin Storey's Rapoon: Sci-Fi Tribal offers found sounds and other objects de musique concrete.
- ◆ Journey through space music with Ma Ja Le: Saturn and Elsewhere.
- ◆ Manipulate the latest in electronica from Twine: Build.
- ◆ Vir Unis: Infusion provides shapeshifting loops and noisescapes that will ensure your music remains unique.

### Scoring Pack

ACID is fast becoming filmmakers' scoring tool of choice, and this pack shows why. Creating and composing an original score for your production has never been easier. 1460 (2588MB) original, license-free loops.

**Kit contains:**

- ◆ Emotional Peak Sounds provides tension, stabs, and other sonic devices.
- ◆ Create soundscapes and moods with Spektral Minimalism.
- ◆ Robert Rich's Liquid Planet supplies atmospheric rhythms and melodies.
- ◆ Put a symphony to work on your score with Orchestral Series 3: Cinematic.
- ◆ Drop in stingers, staggers, and music beds from Cinematix 1.

### Scoring Pack II: The Sequel

Scoring Pack was a hit, so Sonic Foundry followed Hollywood tradition by releasing a sequel!

**Kit contains:**

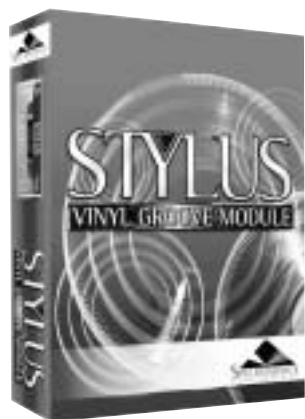
- ◆ Cinematix Volume II provides film-grade stingers, effects and more.
- ◆ Orchestral Series Volume II: Modern brings 20th Century composition to your mix.
- ◆ Ugly Remnants, Volume II adds unique, otherworldly sonic elements.
- ◆ Aural E: Eclectic Electronica injects processed sounds and manipulated media.
- ◆ Finally, ILONA! Universal Female Vocal Toolkit offers three octaves of female vocal samples to bring a human touch to your score.

# SPECTRASONICS

## STYLUS -VINYL GROOVE MODULE

COMPUTER SOFTWARE

1128



### World's First Groove Control Instrument

*Stylus is an innovative software plug-in instrument that integrates a massive core library of thousands of cutting-edge groove elements, loops and samples, with a powerful user interface for creating your own grooves. Stylus can be used as a native plug-in instrument in hosts like Logic, Digital Performer, Cubase, Nuendo and Pro Tools— no sampler is necessary!*

*The huge 3 GB core library of Stylus includes over 1000 brand-new loops, featuring insane new breakbeat remix loops with a cutting-edge vinyl attitude, from award-winning producer Eric Persing. The grooves are inspiration generators for application in a huge variety of remix genres including R&B, 2-step, Trip-Hop, Chemical, Epic House, Underground Hip-Hop, UK Garage, Downtempo Dub, Nu-skoool, Acid Jazz, Trance, Funk, Alternative, Progressive, Rap, Abstract, Urban Neo-Soul, Big Beat, Slo-Jamz, Drum 'N Bass, and many others.*

*Each groove is presented in the widely-acclaimed Groove Control activated versions which allow you to change the pitch, tempo, feel and pattern independently ...without using any DSP! Since every groove can be mixed and matched at any tempo or feel, there are literally endless combination possibilities. You can also program your own grooves from scratch with thousands of edgy drum samples. In addition, the inspiring Groove Menus let you remix loops in real-time at every tempo from 50-180 BPM in both straight and swing feels. It's as simple as selecting a patch and playing your keyboard!*



*Includes over a thousand wild turntable FX and DJ tricks as well as a killer live percussion loop section including congas, bongos, djembes, shakers, triangles, agogos and tambourines, all of which can be mixed into any groove separately! But it is its powerful interface and synthesis engine that make Stylus a monster creative tool. Perform techniques with Groove Control like randomizing the accents of a loop, turning a conga loop into a melodic part, radical filter sequencing, tweaking the tuning of just the snare, or filtering just the kicks, panning each slice in a different part of the stereo field, each all inside the loop! This is possible because the Stylus custom interface goes way beyond any of the current conventional samplers - each sample and slice has its own adjustable synth parameters, and selecting the samples is as simple as playing the sample from your keyboard. The possibilities for creative manipulation are truly amazing... and yet it is so easy to use.*

- ◆ Massive 3 GB core library
- ◆ Insane new remix grooves and samples by Eric Persing
- ◆ Over a thousand turntable tricks, skips, stops, beat-juggling and scratch FX
- ◆ Killer live percussion loops can be added to any groove
- ◆ Elastic Tempo, Pitch, Pattern and Feel with Groove Control
- ◆ Built-in Groove auditioning system
- ◆ Real-time groove jamming at any tempo with Groove Menus
- ◆ Lightning-fast load times
- ◆ 1000 Kicks, 1000 Snares, 500 Hi-hats for creating your own grooves
- ◆ Built-in patch management system
- ◆ Sample-accurate timing
- ◆ Fully programmable
- ◆ Total recall with your sequence
- ◆ Multimode resonant Filters for each sample, plus Master Filters
- ◆ Three envelopes for Pitch, Filter and Amplitude
- ◆ Matrix-style modulation routing, two LFOs
- ◆ Unique interface allows independent parameter control of each sample, and Groove control automation.
- ◆ Powered by custom 32-bit UVI Engine
- ◆ Cross platform, plug-in compatibility



**ONE HOUR FREE PARKING**

AT 349 W. 34th STREET (with purchase of \$100 or more)

# SPECTRASONICS

## ATMOSPHERE - DREAM SYNTH MODULE

### *World's Most Massive Synth*

*Atmosphere is a software plug-in instrument that integrates a massive 3GB core library of more than one thousand unique sounds and layer elements, with a powerful and intuitive interface for shaping new textures. Atmosphere works as a native plug-in instrument in hosts like Logic, Digital Performer, Cubase, Nuendo and ProTools. Designed from the ground up by acclaimed synthesist Eric Persing (famous for his sound design of classic Roland synthesizers and award-winning sample libraries) and his team of sound designers, Atmosphere's core library was developed using over a hundred sound design devices and nearly every conceivable synthesis method including Granular, Additive, Wavescanning, Grintable, Neural Processing, Vintage Analog, Vector, Virtual Analog, FM, Plug-In manipulations, and unusual Acoustic sources as well. It is the custom core library that gives*

*Atmosphere its unprecedented variety of tonal textures, especially when compared to standard soft-synths.*

*The range of sounds this instrument is capable of is astonishing, from lush ethereal pads, to powerful leads, crystalline glass swells to dark brooding atonal clouds, unusual synth basses, evocative ambiences, deep drones, complex textures, vintage analog sounds, disturbing noise FX, europhasers, gorgeous ambient string ensembles, thick trance/techno sounds, wavetable sweeps, vocoded choirs, dense vocal washes, transparent evolutions, and shimmering prisms of harmonic convergence. Puts even the best hardware synths to shame!*

*Stellar sound quality is this instrument's number one feature. The scope of sounds it can produce is very broad, making it extremely versatile in a wide variety of musical situations. This is made possible because there has never been a programmable synth released with such a massive, high resolution core wavetable to work with...completely dedicated to sound design elements (no stock pianos or oboes!)*

*The core library of a thousand powerful sounds is just the starting point for your own creations. The beauty of Atmosphere is in its "dual-layer" concept. You can immediately mix and match the layers of any of the 1,000 patches, and tweak each layer fully independently. That's over a million possible combinations! Each layer has its own multimode resonant filters, four LFOs, three envelopes and matrix modulation. There is also an additional master filter for quick tone shaping. The possibilities for creative manipulation are phenomenal... and yet it is so easy to use.*



COMPUTER SOFTWARE

1129

- ◆ 3.7GB core library offers vast array of textures to explore
- ◆ 1,000 patches by award-winning sound designer Eric Persing
- ◆ Dynamic layering of sounds for over 1,000,000 mix combinations
- ◆ Powerful interface and synthesis capabilities
- ◆ Built-in patch management system
- ◆ Multimode resonant Filters for each layer, plus Master Filters
- ◆ Three envelopes per layer for Pitch, Filter and Amplitude
- ◆ Fully programmable
- ◆ Total recall with your sequence
- ◆ Matrix-style modulation routing, four LFOs
- ◆ Powered by custom 32 bit UVI engine
- ◆ Cross platform plug-in compatibility

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • [www.bhphotovideo.com](http://www.bhphotovideo.com)

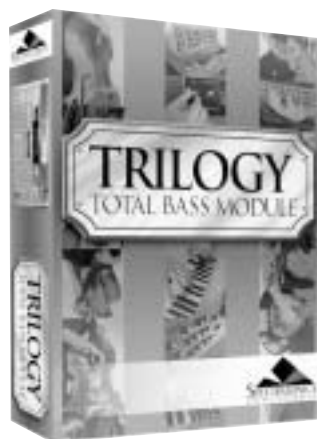


# SPECTRASONICS

## TRILOGY -TOTAL BASS MODULE

COMPUTER SOFTWARE

1130



### *Electric, Acoustic and Synth Bass Instrument*

*Serious about Bass? This is the instrument! TrilogY is a programmable, sample-based sound module plug-in, that integrates a massive 3GB core library of hundreds of remarkable Bass sounds, with a powerful user interface for creating your own unique patches.*

*TrilogY's power lies within its layering concept. Beyond the core library of incredible Bases, every patch in TrilogY has two layers that you can tweak individually. You can also immediately mix and match any of the layers in the core library together, and edit each one independently. Imagine the power of combining the sound of a real Minimoog with a Fretless bass, or a Virus with a TB-303, or even adding a Juno sub-oscillator to an Upright Bass! There are thousands of earthshaking combinations, and you'll never run out of options.*

*The highly detailed*

*Acoustic Upright Bass is one of the highlights of this instrument. Because of TrilogY's unique interface, you can get a wide variety of gorgeous tones from this Bass. This is made possible because the interface has separate control of the Neumann U-47 Tube Microphone signal and the Direct Pickup signal, which was sampled through a vintage Neve 1083 Console. This stunning sounding acoustic is chromatically sampled, with multi-dynamic velocity switching. The hardest velocity in every Bass patch in TrilogY brings in real bass glisses, similar in concept to the idea Spectrasonics pioneered on the Hans Zimmer Guitar libraries. An acoustic Martin Dreadnought Bass Guitar is also available in the Acoustic section -perfect for those "unplugged" sessions!*



### *Electric Bass*

The huge selection of electric basses feature classic 4, 5 and 6 string models, performed in Fingered, Picked, Muted, Rock & Roll, Slapping, Ballad, Fretless and R&B techniques through rare, custom-made tube preamps. Special variations are presented including Harmonics, Glisses, Fuzz, Trills, FX and thousands of slides! Both modern and vintage "Old School" electric basses are available, providing an array of tones for different musical settings. All the patches are mapped the same way, so that one sequence will work with any bass you select.

There are thousands of samples used in these instruments, mapped with multiple dynamics for amazing expression. You don't have to "assemble" Bass parts with TrilogY, it's extremely playable as a highly expressive real-time instrument too!

Finally, every Acoustic and Electric Bass in TrilogY has a special "Finger Noise" release layer with release triggering, that gives these basses amazing realism -perfectly simulating the fretboard response of the real bass. When a note is released, the Finger Noise layer triggers an appropriate noise sample from among hundreds of tiny fret noises, subtle string scrapes, squeaks, x-notes, taps and mutes, which add a user controllable "human" imperfection element to your performance.

### *Synth Bass*

TrilogY is one of the most awesome Bass Synthesizers ever made! Have you ever struggled with trying to fit your synth bass sounds to sit in a track properly? The sound of TrilogY is not only ultra-fat, but it sits great in a mix. High-resolution core samples were created from legendary analog bass synths like the Minimoog, Roland Juno 60, Roland TB-303 and SH-101, Oberheim SEM, Moog Taurus, OSCar, Virus, Yamaha CS-80, Arp Odyssey and 2600, Studio Electronics SE-1, Omega and ATC Tone Chameleon, Sequential Circuits Pro One, the mighty Moog Voyager and many others! TrilogY's multimode resonant filters allow you total control over the sound, while still retaining the original character and power of the classic analog instruments.

Each fully programmable layer has its own multimode resonant filters, four LFOs, three envelopes, adjustable sample start and matrix modulation. There's also an additional master filter for quick tone shaping.

TrilogY also has a smooth analog synth-style Legato triggering and Glide that software samplers lack. This allows for Synth Bass sounds that truly play like a vintage analog synth—and can also be used with any of the Electric or Acoustic Bases, for unique hybrid Bass sounds that you've never heard before.



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# SYNTRILLIUM

## COOL EDIT PRO 2.0

### Complete Multitrack Recording Studio for Windows

More powerful than ever, Cool Edit Pro offers PC users powerful features such as real-time effects and track EQ, disk-at-once CD burning, MIDI and video playback support, MTC master generation, DSP effects, loop-based music composition, and a compressed loop file format—yet retains the ease of use that has won them thousands of users worldwide. Extremely affordable, Cool Edit Pro is ideal for everyone from the studio professional to the audio hobbyist. And with enough professional effects and tools to fill a room full of effects racks, Cool Edit Pro has everything needed for recording, editing, and mixing up to 128 high-quality stereo tracks with just about any sound card.



COMPUTER SOFTWARE

1131

#### FEATURES

- ◆ 32-bit processing, 24-bit/192kHz and higher sampling
- ◆ Powerful wave editing with multi-level instant undo and redo
- ◆ Multichannel encoder with WMA and WAV 5.1 file output
- ◆ More than 45 DSP effects to bring new life to your dry tracks with a depth and clarity previously obtainable in only the best studios around the world... now in your PC!
- ◆ Stretch loops using resample, time-scale, or beat splicing methods.
- ◆ Placement option allows the master fader to either control the levels before they go through the busses and the bus effects, or to serve as an output level control at the end of the signal chain.
- ◆ Move tracks in multitrack by right clicking and dragging on track controls
- ◆ Real-time effects:
  - Track effects rack for each track
  - Busses for track grouping with real-time effects on each bus
  - Automation of some parameters over time (e.g. dynamic EQ and dynamic delay)
  - Dedicated real-time EQ on each track with quick A/B comparisons
- ◆ Dedicated real-time EQ on each track with quick A/B comparisons
- ◆ Supports Red Rover as well as the Mackie Control, Tascam US-224, and Event EZbus
- ◆ Spectral Decay option makes possible much larger reductions in noise without adding unwanted artifacts.
- ◆ Loop-based song creation, including session tempo and key matching
- ◆ Customizable interface and look including dockable/sizeable windows
- ◆ Organizer window with tabs for open files, effects and favorites
- ◆ Dual monitor support
- ◆ Envelope control of Volume, pan, effects mix and some effects parameters
- ◆ Cue/Play lists, with auto-cue features
- ◆ Wave properties including labels, loop info, EBU extensions and sampler info
- ◆ Metronome
- ◆ Data Analysis, including Spectral View, Frequency Analysis, Phase Analysis, Statistic and Histogram
- ◆ Enhanced SMPTE/MTC master and slave accuracy
- ◆ MIDI trigger support for program control
- ◆ Supports over 20 file formats, Direct-X plug-in support
- ◆ High quality sample rate conversion; batch-processing and file conversion

For even greater functionality and ease of use, the optional Red Rover provides a fully featured dedicated remote control device (up to 10' away) that operates seamlessly with the software.

Compatible with any sound card, Red Rover is a small USB device designed with ergonomic and space-saving functionality in mind. It features standard multitrack transport controls that seamlessly interact with and control Cool Edit Pro's on-screen displays. In addition, it provides unlimited access to all 128 tracks of possible audio on Cool Edit Pro.

Red Rover shows you all the key information you need to record and even do basic mixing right on its LCD panel. When you're done recording, take Red Rover back to the computer to use its transports while you mix and master. Once you start using Red Rover, you will wonder how you ever got along with out it.



ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • [www.bhphotovideo.com](http://www.bhphotovideo.com)



# TASCAM

## GIGASTUDIO

COMPUTER SOFTWARE

1132

### Hard Disk Sampling Workstations

The incredible GigaStudio is the world's most powerful sampling tool — period. A complete Windows-based sample playback system for creating fully-realized audio productions with mixing and effects, GigaStudio is based on TASCAM's famous GigaSampler and its Endless Wave technology which allows samples to be streamed off a hard drive instead of being limited to RAM like other samplers. Instead of relatively small sample sizes that need to be looped, the Giga platform lets you work with HUGE sample sizes...up to 4.3GB! The resulting detail and realism must be heard to be appreciated. Plus, these enormous samples may be triggered with extremely low latency on all voices using approved GSIF interfaces, allowing for tight performances with truly musical feel. Features include dedicated MIDI input for real-time effects, high-quality 32-bit effects, and GigaStudio's DSP Station Mixing Console for professional quality mixing, eliminating the need for additional plug-ins or hardware.

Three versions of GigaStudio are available, from the economical GigaStudio 32 to the powerful GigaStudio 96 to the sophisticated GigaStudio 160, which is capable of streaming 160 simultaneous voices of audio. GigaStudio's advanced features make it ideal for professional scoring composers, engineers and producers, while the easy-to-use interface makes it a great choice for musicians and songwriters. GigaStudio is compatible with Windows 98/ME/XP/2000, and can be set up to play samples triggered from a sequencer like any hardware sampler.



### FEATURES

#### MIDI Channels

They deliver 16 MIDI channels (GigaStudio 32) and 32 MIDI channels (GigaStudio 96) over two unique ports, as well as dedicated MIDI input for real-time effects and mixer automation, allowing the creation of massive performances with dynamically controllable effects. GigaStudio 160 delivers 64 MIDI channels over four ports.

#### Streaming Disk-based Voices

They provide up to 32, 96 or 160 disk-based, streaming voices of polyphony in real-time. In combination with your MIDI sequencer, you can create anything from a simple pop tune to an advanced, fully-orchestrated film score, with sound quality that's indistinguishable from recordings of performed instruments.

#### Sampling

GigaStudio's sample format conversion utility offers compatibility with WAVE format samples as well as CD-ROM libraries, including Akai S1000/S3000, SoundFont and DLS. Additional conversion tools are also available from third party developers.

#### Professional Effects Processors

High-quality, 32-bit effects are available on the GigaStudio 96 and 160 with the NFX real-time signal processing series (operates with true zero-latency performance with GigaStudio). The GigaStudio 96 and 160 includes the NFX1 Reverb/Multi-Effects, the GigaStudio 160 only includes the NFX2 Chorus/Flanger, the NFX3 Tap Delay/Auto Pan and the NFX4 EQ.

#### Mixing Console

GigaStudio's DSP Station Mixing Console includes Volume, Pan, Effect Sends and Insert points that enable professional quality mixing without the need for additional plug-ins or hardware. All parameters can be automated via MIDI and employ a 32-bit signal path to maintain pristine digital clarity.

#### Network Streaming Capability

Giga-compatible instruments don't have to be resident on the client hard drive. Users of 100-baseT or better networks can access mapped drives in real-time (not on GigaStudio 32), allowing instant access to Giga-compatible systems and instruments via LAN connectivity.

- ◆ Expandable sampling workstation
- ◆ DirectSound compatible
- ◆ Patented EndlessWave technology allows use of huge samples up to 4.3GB
- ◆ They support GSIF-compatible hardware with up to 32 audio channels (GSIF compatible soundcard required)
- ◆ Behavioral Sampling and Dimensions performance sampling technologies
- ◆ Multi-layering, dynamic, release-triggered sampling for soundboard resonance, staccato modeling
- ◆ Ultra-low latency (3-10 millisecond) performance via GSIF interface
- ◆ Enhanced support for GigaSampler file formats: intelligent auditioning, up-to-500% faster load times, extended instrument information
- ◆ Bundled sounds include:
  - GigaPiano 1GB sampled grand piano,
  - RetroDrums analog/digital percussion Set,
  - Soundware Demo #1



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# TASCAM

## GIGASTUDIO

COMPUTER SOFTWARE

1133

### Professional Features

With additional professional features like capture-to-wave (records entire performances, including effects, faders, pan, and MIDI automation directly to disk), support for 24bit/96kHz hardware, embedded help tools, an advanced instrument editor featuring synthesis tools like multi-mode resonant filters (low-pass, band-pass, high-pass, notch), multiple envelopes and LFOs, drag and drop sample assignment, and up to 32 samples per key—GigaStudio is the must-have tool for any serious composer or sound designer.

### QuickSound Realtime Interactive Sound Database

For busy professional musicians, sound designers and recording facilities, GigaStudio's unique QuickSound technology enables instant location and previewing of samples, waves, and instruments in real-time via an intuitive, database-assisted technology for cataloging instruments and sound samples using plain language.

Just type in the type of sound you need — piano, drums, french horn and so on — and QuickSound will pull up all the samples that fit the description. GigaStudio literally makes terabytes of sound content instantly accessible and playable.

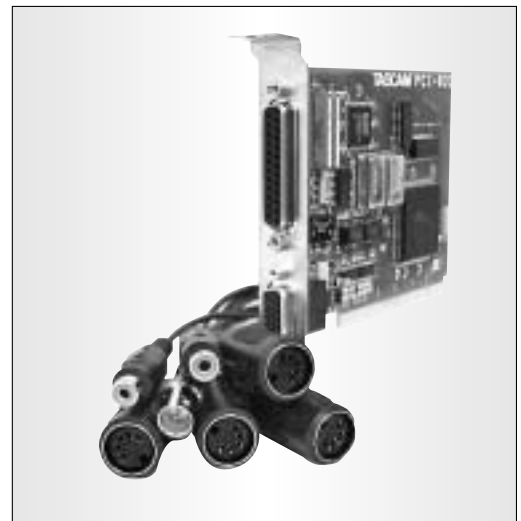
By instantly mapping the dozens of sound objects matching any search criteria to a MIDI control surface, automatically coupling these sound objects to an advanced audio streaming and DSP processing engine, and making each event audible in less than 10 one-thousandths of a second, QuickSound affords unrivaled power to scoring professionals.

## GIGA-PCI

### PCI-822 Interface Card with GigaStudio 96 Bundle

Combining Tascam's PCI-822 computer digital audio/MIDI interface card with the GigaStudio 96 software results in a complete package with software and computer interfacing that's ready straight out of the box. The PCI-822 offers compatibility with GigaStudio via its GSIF drivers, and is an ideal computer interface for those who use digital mixers and recorders with TDIF or S/PDIF digital interfaces. With the Giga-PCI package, you get the power of a full version of GigaStudio 96 along with computer interfacing for about the same cost of the card alone.

The PCI-822 is a PCI-based interface card with everything you need to send digital audio and MIDI signals to your computer for recording and sequencing. The 8-channel DTRS compatible TDIF interface and stereo S/PDIF interface supports 16-, 20- and 24-bit audio as well as 44.1 and 48kHz sampling rates. The two 16-channel MIDI ports provide 32 channels of MIDI I/O for keyboards, synth modules and mixer automation. The PCI-822 ships with GigaSampler LE — a powerful software-based digital sampler. The PCI-822 also includes ASIO and MME drivers which provide compatibility with most digital audio and sequencing software applications.



- ◆ 8-channel TDIF digital input & output
- ◆ S/PDIF digital input & output (RCA coax)
- ◆ 2x2 MIDI Interface (32 MIDI channel I/O)
- ◆ 16, 20, 24 bit resolution
- ◆ Supports 44.1 and 48 kHz sample rates (internal) as well as input tracking from 39-51 kHz
- ◆ 75-ohm BNC Word Clock output for sample rate synchronization
- ◆ The PCI-822 has a software control panel for digital audio input status, sample rate selection, and clock source control.
- ◆ ASIO driver provides low-latency performance when adjusting parameters and monitoring inputs with applications such as Cubase. The PCI-822 also has a direct GigaSampler Interface (GSIF) driver.
- ◆ Includes a breakout cable for S/PDIF, MIDI and word clock connectors

### Includes GigaSampler LE

- ◆ Multi-Gigabyte, 44.1k Sampler Playback
- ◆ GigaSampler Instrument Editor
- ◆ 32-bit Audio Signal Processing
- ◆ Resonant HP/LP/BP/BR filters with Dynamic Resonance
- ◆ Advanced Release Triggered Sampling

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • [www.bhphotovideo.com](http://www.bhphotovideo.com)



# TASCAM

## GIGASTUDIO SOUND LIBRARIES- STRINGS/ORCHESTRAL

COMPUTER SOFTWARE

1134

### Sample and Loop Libraries Optimized for GigaStudio

Taking advantage of GigaStudio's powerful architecture, Giga-compatible sound libraries offer more than most sample sets. Since only a small portion of the sample is saved in RAM, GigaStudio sound libraries don't need to be looped and compressed to work in playback. In fact, many Giga libraries, from acoustic pianos to strings, guitars and many more have no looping at all....just masterfully-captured full recordings of instruments the way they were meant to sound. You'll find GigaStudio libraries for virtually any genre of music. For the most up-to-date complete list of Giga libraries, please visit the B&H website.



#### Garritan Orchestral Strings

One of the most detailed sound libraries ever developed for any sampler. Featuring masterful 24-bit

recordings of the very finest string instruments (including Stradivarius, Guarneri, Montagnana, Testore, Gagliano and more) performed by distinguished virtuosos at Lincoln Center, this 16 CD-ROM set features over 8,500 captivating sampled string sounds with over 500 different instrument patches & combinations. This extensive library offers a myriad of playing techniques, complete coverage of the entire range of the sections, multiple dynamics and much more. It also adds extra touches like MaestroTools Auto-Alternator (an exclusive feature that alternates automatically between up & down bows or alternative samples), MaestroTools Legato Mode to help achieve more realistic legato phrasing, expression control, vibrato control and warmth control using multi-velocity cross-fading between samples .....**Call**

#### Garritan Orchestral Strings "Lite"

Garritan's world-renowned orchestral string library is also available in a more economic package. This 3 CD-ROM library includes two dynamic levels, with basic articulations and bowing including sustain vibrato, sordino, trills, detache and more. GOS Lite offers the same excellent quality level from the advanced GOS version, and comes with a free edition of Chicken Systems' Translator software. **TAGGSTRINGLT.....224.95**



#### Denny Jaeger Master Violin Library

The acknowledged standard in sampled violins. Sections of 14 violins available in every dynamic level. Includes looped sus-

tains, pizzicato, tremolo, half and whole step trills, slides and calegno. Patching allows control over tuning and bow strokes. Original comprehensive 3 disc and one disc CD-ROM sets. **TAQUPVIOLIN.....224.95**

#### Sonic Implants Symphonic String Collection

Symphonic String Collection is a 20 CD-ROM (3 DVD) box set that enables musicians and composers to evoke the true essence of an ensemble string orchestra with unsurpassed clarity and ease. Recorded within the exquisite acoustic confines of Sonic Temple Studio in Roslindale, MA by Emmy and RIAA award-winning engineers Antonio Oliart and John Bono, this stunning collection showcases world-class musicians from both the Boston Symphony and Boston Ballet Orchestras. Rich, multi-dynamic instruments with down and up-bow samples, gbs of articulations, convenient switching and cross-fade parameters, and release samples which preserve each note's native resonant string decay make this an eminently playable and expressive tool. Great care was taken to preserve the aural integrity of each sample with a minimum of applied processing. The result is a collection which is truly an instrument unto itself and an essential vehicle for any composer who values their creative medium as much as their craft .....**Call**



#### Dan Dean Solo Strings

Dan Dean Solo Strings is a culmination of many months of recording and editing. Solo Violin, Solo Viola and Solo Cello were

recorded in stereo in various articulations (arco/vibrato, pizzicato, half-step and whole-step trills, spiccato and tremelo). Each note of each instrument was recorded in each articulation. There is no pitch-shifting or unnatural transposition artifacts commonly found in other libraries. Also, since each and every note of the instruments appears unaltered by pitch shifting, the bow and instrument body resonances as well as the overtones characteristically generated, are true throughout the entire range of all of the instruments. This creates a smoother, more "organic" sounding bank with even note-to-note transitions. Instruments and banks on this collection include violin, viola and cello with arco/vibrato, staccato, pizzicato, tremelo, and half-step and whole-step trills. **TADDSTRINGS.....149.95**

#### Symphonic Fields Forever

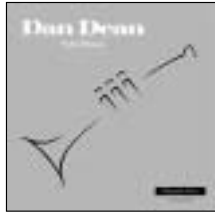
Beautifully evocative solo and small section orchestral instruments. For use in pop and classical orchestration as well as acoustic textures. Features superbly recorded, multi-samples of Cello, Violins, Choir, Silver Flute, Saxophone, Double Reed, Bassoon, Trombone, Tuba, Double Basses, Clarinet & Bass Clarinet, plus ensembles of these instruments. **TAQUPFIELDS.....112.50**



## GIGASTUDIO SOUND LIBRARIES — BRASS/WOODWIND

COMPUTER SOFTWARE

1135

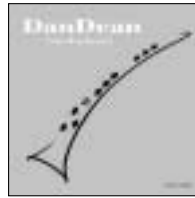


### Dan Dean Solo Brass

- ◆ 10 CD set with up to 8 layers per note (ppp, pp, p, mp, mf, f, ff and fff).
- ◆ All notes chromatically sampled.
- ◆ Articulations include: NV, Portato, Staccato, Straight Mute, fp, fp long/medium and short crescendo.
- ◆ Vibrato on Trumpet and Piccolo Trumpet.

- ◆ Straight mutes on the Bass Trombone, Trombone and Trumpet.
- ◆ Advanced programming features include "ensemble" presets, full keyswitching, mod wheel switching implementation.
- ◆ Select between 2 light versions: LT1 retains all layers with less notes. LT2 retains all notes with less layers.
- ◆ Source captured in 24-bit stereo, UV-22 bit-reduced to 16-bit.
- ◆ Instruments exhibit extreme dynamic/timbral range

**TADDBRASS.....489.95**



### Dan Dean Solo Woodwinds

10 CD set with up to 6 layers per note (pp, p, mp, mf, f, ff). All notes chromatically sampled. Vibrato and NV on most instruments. Extremely natural sounding.

**TADDWOODWIND.....409.95**



### Psychic Horns by Jason Miles

Beautifully evocative solo and small section orchestral instruments. Features superbly recorded, multi-samples of Cello, Violins, Choir, Silver Flute, Saxophone, Double Reed, Bassoon, Trombone, Tuba, Double Basses, Clarinet & Bass Clarinet. Includes long and short sustains, loops, riffs, swells, falls, & stabs. Mixed mode CD-Audio/CD-ROM and CD-ROMs.

**TAQUPHORNS.....74.95**

### Bigga Orchestral Brass: French Horn

302 MB of French Horn. All ways Full envelope/no loops. Two separate versions of every Instrument Preset allow unique, true Doubling Presets to be included. You get two separate Multi-Velocity Fr Horns and their Doubler Presets, plus separate Presets of each velocity layer (Piano, Mezzoforte, Forte) & Doubled Presets of each velocity type. In addition to multi-velocity main instruments, there are single velocity (Mezzoforte) versions of special attacks. Includes 2-Staccato, 2-Sordini, 2-Stopped, 2-Tongued variants & Doubled Presets of these variants. Also includes short & long crescendo presets + some "gliss" attacks.



**TABGFRENCHHO.....44.95**

### Bigga Orchestral Brass: Trombone

440 MB of Trombone. All ways Full envelope/no loops. Two separate versions of every Instrument Preset allow unique, true Doubling Presets to be included. You get two separate Multi-Velocity Trombones and their Doubler Presets, plus separate Presets of each velocity layer (Piano, Mezzoforte, Forte) & Doubled Presets of each velocity type. In addition to multi-velocity main instruments, there are single velocity (Mezzoforte) versions of special attacks. Includes 2-Staccato, 2-Sordini & 2-Tongued variants & Doubled Presets of these variants. Also includes short & long crescendo presets and some special "gliss" attacks.



**TABGTROMBONE.....44.95**

### Bigga Orchestral Brass Complete



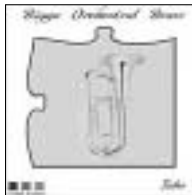
341 MB of Tuba, 441 MB of Trombone, 302 MB of French Horn, 348 MB of Trumpet. All ways Full envelope/no loops. Two separate versions of every instrument preset allow unique, true doubling presets to be included. Get two separate Multi-Velocity lead Trumpets, Fr Horns, Trombones, Tubas and their Doubler Presets, plus separate Presets of each velocity layer (Piano, Mezzoforte, Forte) & Doubled Presets of each velocity type.

In addition to multi-velocity main instruments, there are single velocity (Mezzoforte) versions of special attacks. Includes Staccato, Sordini, Tongued variants of each instrument & Doubled Presets of these variants. \*no sordini Tuba. \*Fr Horn also includes "Stopped" version. A complete orchestral Brass solution in one package.

**TABGORCHESTR.....139.95**

### Bigga Orchestral Brass: Tuba

341 MB of Tuba. All ways Full envelope/no loops. Two separate versions of every Instrument Preset allow unique, true Doubling Presets to be included. You get two separate Multi-Velocity Tubas and their Doubler Presets, plus separate Presets of each velocity layer (Piano, Mezzoforte, Forte) & Doubled Presets of each velocity type. In addition to multi-velocity main instruments, there are single velocity (Mezzoforte) versions of special attacks. Includes Staccato, Tongued variants & Doubled Presets of these variants. Also includes short & long crescendo presets



**TABGTUBA.....44.95**

### Bigga Orchestral Brass: Trumpet

348 MB of Trumpet. All ways Full envelope/no loops. Two separate versions of every Instrument Preset allow unique, true Doubling Presets to be included. 2 separate Multi-Velocity Trumpets and their Doubler Presets, plus separate Presets of each velocity layer (Piano, Mezzoforte, Forte) & Doubled Presets of each velocity type. Additionally, there are single velocity (Mezzoforte) versions of special attacks. Includes 2-Staccato, 2-Sordini & 2-Tongued variants & Doubled Presets of these variants. Includes short & long crescendo presets and some special "gliss" attacks.



**TABGTRUMPET.....44.95**

# TASCAM

## GIGASTUDIO SOUND LIBRARIES — PIANO

COMPUTER SOFTWARE

1136

### Post Piano Suite V1

The main instrument is a Steinway D Concert Grand (the largest size Steinway makes) sampled with multiple velocity layers and sustain pedal sampled individually. Patented disk acceleration technique allow this 1.2 GB piano to fit on a single CD and there are 12 preset choices for special voicings in addition to the Full preset. (A Light preset allows a smaller version of the piano to load on less powerful systems.)

Not stopping at this, Michiel Post added a unique section of Orchestral perc instruments including Glockenspiel, Hackbrett, Marimba and Vibes. The samples are from the orchestra pit of the renowned Concertgebouw in Amsterdam, whose natural hall ambience adds a charming realism. Also includes a set of Electric Piano instruments, and a "Simple Piano" section with multiple preset choices such as Pianissimo Only, FF Only etc. A must for the accomplished pianist or sequencing musician.

**TABGPIANOSUI.....99.95**



### The Holy Grail Piano

Finally, a sample piano that you can actually use in many different situations. Using a proprietary method of sampling called Virtual Model Sampling, this new approach offers you more realism than you've ever heard using samples. Every aspect of the piano including note let-offs, pedals and sympathetic strings are all controllable. The notes decay more slowly, and sustain

longer. The samples are more resonant because more of the sympathetic resonances are supported. They've captured the actual change in harmonic content of each note over time.

- ◆ Set up for use in surround environments
- ◆ A real time V.M.S. Modeled Sustain component, identical to a real piano
- ◆ Controllable pedal/hammer action, resonant harp, and note on and off
- ◆ Multiple layers and multiple versions to fit any need
- ◆ Two different miking perspectives offered

**TAQUPGRAIL.....224.95**

### Grandioso Steinway D

Recorded on the best grand found— a Steinway model D3 built in 1965 and fully refurbished by Steinway Hamburg in 1999. This piano served the Rotterdam 'DOELEN' concert hall for several decades, where hundreds of famous musicians, from Claudio Arrau to the Rolling Stones, performed for live audiences and broadcast concerts. Captured with up to 6 articulations (PPP, PP, P, MF, F, FF and FFF) for sustain pedal up, sustain pedal down and 4 articulations for the release triggered samples. Samples were recorded using Prism Sound, a 24-bit ProTools TDM Mix+ system and Waves processing. Mapped up to 16 levels of velocity, true multiple velocity release layers, ultimate staccato, and sustained pedal-down samples with a carefully chosen amount of resonance. The library has 5 GB of samples. The end result was tested by several concert pianists, who helped develop a sampled instrument to meet their highest expectations.

**TASTEINWAYD.....183.95**



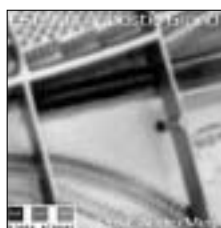
### FortePiano

Play the same type of piano as Haydn and the other fathers of classical music. This Gigasampler instrument has multiple velocity layers/pedal down/pedal up AND separate Moderator layer, as well as True Key-Release samples. Listen to the MP3 demos and hear the actual key mechanisms just like the real thing. The largest, most ambient sample version of FortePiano ever.

**TABGFORTEPIA.....69.95**



### Estonia Acoustic Grand Piano



Estonia Grand pianos have been praised by the top pianists in the world. Now a Giga sample version with 4 velocity layers Pedal Down & Pedal Up plus 4 velocity levels of Release samples for extra expressiveness. Recorded by Michiel Post it is designed to take advantage of Gigasampler's best features. 15 instrument presets within the gig include the full version plus variations for Jazz, Rock Ambient etc.

**TABGESTONIA.....69.95**

### GigaPiano

Over a GB of rich, stereo samples result in the most realistic sampled grand piano available anywhere. GigaPiano encompasses multiple velocities, rich soundboard resonance for damped staccato, as well as undamped pedal down samples for unparalleled playability. Recorded by Grammy-winning engineer, Larry Seyer, this is the piano that everyone is raving about, and is bundled with the 'full' version of GigaSampler.

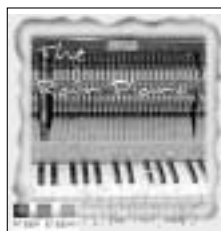
**TAGP.....79.95**



### Rain Piano

Sometimes a Grand Piano is simply too much or lacks personality. Rain Piano is professionally detuned to add character while staying in tune with your other instruments. A true 8 velocity X2 (pedal Up / pedal Down) The extra velocities provide smooth response from softest to loudest timbres. Recorded at Studio Kuling, Sweden using only the finest gear and mastered in 24-bit stereo.

**TABGRP.....69.95**



### Studio Grand 88

A huge sample instrument with ultra realism from true 8 Velocity X2 (Pedal Up / Pedal Down) which provides extra responsive velocity layering, smooth transition from softest to loudest timbres. Malmsjo Concert Grand Piano. Recorded at Studio Kuling, Sweden. All samples 44.1kHz. Stereo originally mastered in 24-bit depth for ultra-low noise. 6 User Preset Voicings included.

**TABGSG88.....69.95**



EQUIPMENT LEASING AVAILABLE

## GIGASTUDIO SOUND LIBRARIES — PIANO

### Ultimate Yamaha C7 Grand Piano Library

The result of almost a year of hard work and dedication from Vintaudio, the Ultimate Yamaha C7 Grand Piano Library is the world's largest grand piano Library ever created. Vintaudio sampled the Best Yamaha C7 Conservatory Grand Piano they could get their hands on. They were so dedicated to getting just the perfect sound that the whole process was redone 3 times until we found the Ultimate Yamaha C7 Grand Piano. The concept was simple, often times composers and producers need a certain type of Grand Piano sound and the Piano libraries they have at their disposal are either too "wet" or too "dry". We decided to offer our costumers the works. With our library you get three 2.5 Gig sized Instruments: Close Miked, Ambient and Player Perspective. All 3 instruments were sampled at 6 Velocities Pedal Up and 6 Velocities Pedal Down with a Release Layer and modwheel controlled filter modulation for either a very bright sound to a really dark tone. All samples were recorded in 24 bits using only the very best audio equipment available today (Avalon, Millenia preamps and B&K Microphones). The results are simply incredible, all the range of expression from this beautiful instrument has been captured in stunning detail to offer what we believe to be the most complete Grand Piano Library ever assembled. Whatever style of Piano your project requires, you can achieve with this library. Pop, Jazz, classical, this library gives it all to you in one comprehensive library. At Vintaudio, we strive for excellence, innovation and most important of all, a reasonable price point that all musicians can afford.



COMPUTER SOFTWARE

1137



### Giga Upright Piano Collection

Vintaudio's Giga Upright Piano Collection is the largest Upright Piano library in existence today. Two wonderful uprights were captured, first a Brand new Steinway Boston Upright was sampled and then a 1908 Clinton Upright for that old school blues and ragtime sound. Each instrument is 2 gigs in size and was sampled at 4 velocities pedal up and down. A release layer was also created to enhance th realism of this wonderful library. The Steinway sounded so good that no processing or Eq was needed to make this piano sound as beautiful as it does.

## GIGASTUDIO SOUND LIBRARIES — GENERAL

### Conexant GM150 & GM500 General MIDI Kits



A general MIDI collection that gives you 128 baseline GM instruments, plus a drum kit for one low price. Pianos, Fender Rhodes, string ensembles, basses, French horn, pads, and ethnic instruments - everything you need to complete your arrangements, fully realized with the expressive potential of EndlessWave. The libraries come in two formats: the GM150 (150MB) for general use and the GM500 (500MB) for professionals.



**GM150: TAGM150** ..... **69.95**  
**GM500: TAGM500** ..... **124.95**



### Gary Garritan's GigaHarp

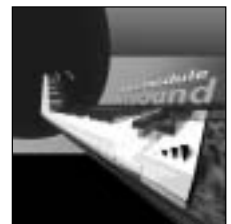
The instrument of heaven and angels, every string of a Salvi Pedal Harp has been sampled in stereo with four attacks/velocities per string, two harmonics per string and hand-dampening and muffling. Each pluck was recorded in 24-bit resolution using Neumann mics and Neve preamps, capturing the full duration of each string's natural decay. This library features 300 stereo samples totaling over a GB of harp sounds.

**TAGIAHARP** ..... **134.95**

### giga\_module vrsound

Offers a multitude of elaborate 3D instruments using hundreds of samples to achieve mixes of unprecedented sonic quality. The vrsound\_giga\_module is the beginning of a line of virtual reality instruments for the GigaStudio platform. It offers a variety of patches for immediate music composition and production. Instruments include: Rock drums, Funk drums, 4 pianos, 3 Fender Rhodes, various 3D synthpads, dirty electric bass, 88 key conga, timpani, small string ensemble, and more.

**TAVRSMODULE** ..... **109.95**



# TASCAM

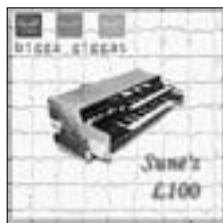
## GIGASTUDIO SOUND LIBRARIES — KEYBOARD/ORGAN

COMPUTER SOFTWARE

1138

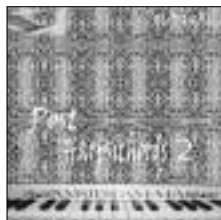
### Sune's L100 Hammond Organ

This is the new standard for sampled organs. Every note of every Drawbar setting recorded in extremely long looped samples averaging over 15 seconds BEFORE the loop begins... Fully controllable Virtual Drawbars screen in GigaStudio. This instrument is exclusively in GigaStudio Type 2 Format and extremely demanding on system resources. Best with a fast computer and at least 128 MB of RAM.



TABGHAMMOND .....**59.95**

### Post Harpsicords Vol. 1 and 2



Two antique harpsichords captured in detail using world-class mics and mastered in 24-bit audio directly into Pro-Tools. Perfect for keyboard purists seeking to reproduce the great

early keyboard compositions on the instruments for which they were written. One Flemish and one French harpsichord are covered in all their voicings including true "release" samples and even special voicings such as the "Lute" settings. All samples are full-envelope and the total library runs to over 700 MB compressed with easy install instructions.

Vol. 2 of Post Harpsicords contains 517 MB of Gigasampler format all dedicated to capturing a "Virginals" keyboard in every aspect. Like Vol. 1, this library uses true "release" samples and is the most comprehensive coverage available for this historically important instrument

Post Harpsicords Vol. 1: TABGHARPSICO..**69.95**

Post Harpsicords Vol. 2: TABGHARPSICQ..**56.95**

### Purgatory Creek

#### Rhodes for GigaSampler / GigaStudio

554 MB native Gigasampler format instrument with 4 velocity layers and separate release triggers! Classic 70's Fender Rhodes 73 Suitcase Model A real Rhodes that won't break your back or your wallet .....**Call**



### Hammond B3 Organ

Since the first introduction in 1935, the Hammond B3 Organ has been favored by rock, blues, gospel and jazz artists alike. And for good reason, it's an incredible sounding instrument! Sonic Implants Hammond B3 Organ CD is a massive collection. 45 different Hammond B3 instruments all run through Leslie Speaker and programmed by one of Boston's best B3 players. Long loops, stereo samples, complete keymaps, slow, fast and stopped rotor variations give you a ton of sounds to choose from. Giga Crossfades move smoothly between stopped, slow and fast rotors

for ultimate playability. This B3 isn't the pristine, clean, and pretty B3 sound you often find in a sample collection or soft synth. Instead, we chose to record a B3 with some character, some grit; what a B3 really sounds like after its been played a lot and gigged a lot. Documentation includes complete drawbar settings. **TASIHAMMONDB .....114.95**

### Scarbee R.S.P. '73

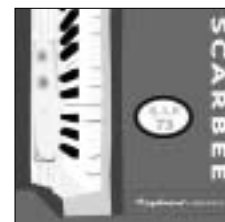
Master sample developer Scarbee brings you one of the most comprehensively sampled Rhodes electric pianos ever made with the Scarbee R.S.P. '73. Its depth and sophistication captures elusive soul of the original Rhodes!

The R.S.P. '73 consists of a collection of truly authentic 'deeply sampled' renderings of the classic Fender Rhodes Stage Piano MK I - '73, captured in high definition 24 bit quality. The piano sound was captured directly from the harp, bypassing the passive tone control on the front panel, in order to capture the full frequency range of the instrument and minimize unwanted noise. All sample editing - including noise reduction and normalizing - was also done at 24 bit resolution.

All samples on R.S.P. '73 are full length and unlooped. Each of the 73 keys of the Rhodes was sampled at 12 different velocities, ranging from 0 to -26 dB...but that's only half the story. In order to capture that magical feel of really 'playing' a Rhodes, Scarbee also recorded 'release' samples for each of the 12 velocities, at the exact same level as the corresponding 12 sustain samples. The release tone - a sound created when a damper bounces against the tine as a key is released - is an intrinsic element of what musicians recognize as the original 'Rhodes Sound'.

For that duller 'old school' sound, a special Hi-cut version of each program is also included. Plus, all programs are available in both Equal and Stretch tunings. Each Giga version utilizes 1752 samples and weighs in at 1.5 GB. Each key controls 24 unique samples: 12 different velocities of samples for the sustained notes, and another 12 velocities of samples for the release samples. If you're looking for the ultimate Rhodes sound for Giga, you need to check out Scarbee's R.S.P. '73!

TARHODES.....**149.95**



### GigaStudio Mastery Tutorial

Dave Govett, one of the developers of GigaSampler, has created a 4-CD multimedia tutorial that details GigaStudio. Each aspect, from setup through use of the Instrument Editor through making the most of the Quick Sound feature is covered.



### CDxtract—GigaEdition

CDxtract was designed for musicians who want to manage and convert their Roland, Emu, SampleCell, SoundFont, and AKAI sample libraries to Giga. For example, an AKAI CD can store hundreds of programs and samples. To find the right sound you usually have to load them one by one in your sampler, which takes a lot of time. CDxtract reduces the time needed. Spend more time playing music!

A sampler library is an expensive investment and usually if you buy a new sampler that uses a different format then you probably would have to buy the same sampler library again. CDxtract allows you to convert your sampler libraries between popular sampler formats thus protecting your investment. Moreover, CDxtract cost the same as a single sampler CD.



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# TASCAM

## GIGASTUDIO SOUND LIBRARIES — PIPE ORGAN

### Post Positif Organ

The classic "Positif" organ captured with and without Release samples. It was recorded in full 24-bit digital audio quality using the worlds best mics, converters and recorders. Incredible attention was paid to every detail during editing. The recording was done using DPA 4000 cardioids & omnidirectional microphones going straight into ProTools, keeping both close and ambient microphones on separate tracks. The historic organ sound benefits in terms of realism from the note for note sampling. All typical characteristics of this instrument are captured. The release sample layer was added to achieve true realism!



\*Please note, Gigasample libraries are 16 bit, though capture may be achieved at 24-bit resolution.

**TABGPOSITORG.....49.95**

### VRSound 3D Pipes



The instrument represented on this CD is The McLane Organ at the Baylor University, Texas. 92 ranks 4 manual designed by Petty Madden Organ builders in 1993. The presets are a reflection of organ stops used by the great performer Dr. Joice Jones. This organ is so realistic that not even she could tell the difference between live and "memorex".

**TAVRS3DPIPES.....299.95**

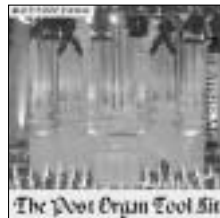
### Peter Ewers: Symphonic Organ

Bring the entire, historic, grand La Madeleine, Paris cathedral and the Cavallé-Coll organ into your studio! For the first time ever — in any sampled pipe organ — the original cathedral ambiance is included via release triggered samples. Combinations and pedals, all windchest activity, all interferences, and all bellow noises are captured with breathtaking accuracy. Well just hear the difference.



**TAPEORGAN.....134.95**

### Post Organ Tool Kit



The POST ORGAN TOOLKIT is one of the largest and most versatile collections of high quality organ samples ever assembled! There are 111 Gigasampler instrument files (291.4

MB); all perfect sounding, looped, and most in full stereo, divided into 6 folders: Solo Instruments, Tutti & Pleni, Max Organ, Simulations, Italian, and the Concertgebouw Organ By combining several programs simultaneously you can create every possible registration any organ can produce...!

**TABGORGANTOO.....69.95**

### The Denny Jaeger Private Collection

Audio quality and patching that belong in the 21st century. Proven in high-end record, TV and film production. A comprehensive collection of high power, high utility sounds featuring keyboard pads, powerful orchestral string stabs, lyrical English horn and bassoon, vocal sounds, SFX & percussion.



**TAQUPPRIVATE.....149.95**

### Post Theater Organ: Volume 1



In 1935, Dutch organ builder Strunk built an immense organ in the Amsterdam City movie theatre. It consists of three rooms. The main room counts 11 ranks of pipes; the first Solo

room has 7 ranks and the 2nd Solo room had 8 additional ranks, but was lost 10 years ago. Samples are 10 to 15 seconds long with perfect loops to enable playing of unlimited length of notes. The true release sound of the organ pipes was also recorded and is reproduced upon key-release. All Preset programs have 50 multisamples recorded in stereo, with the true release reverberation tail recorded in the theatre. The programs are around 100 MB each, making the total size of these individual stops approximately 1.4 GBs

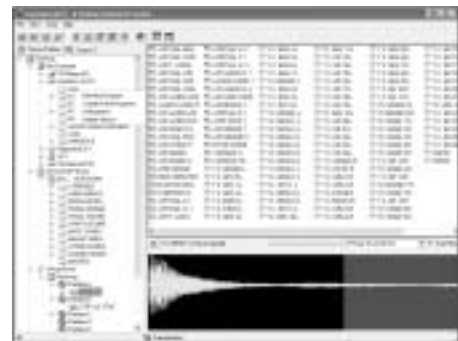
**TABGTHEARORG.....69.95**

## Chicken Systems Translator for Giga

Roland, Emu, Ensoniq, SoundFont, and AKAI file conversion to Giga products. (Kurzweil, SampleCell, and others coming soon.) Use your sampler's hard drives and CD-ROM's with Giga products. Translations are precisely optimized for the best possible sound - keymaps, looping, all possible program parameters, even effects.

Browsing any sample disk or file system is familiar, quick and easy. See your disk and PC files in a tree-view fashion, exactly how it is laid out on the disk. Translator allows you to audition any sample directly from disk or file, within the PC's hard drive or proprietary hard drive, allowing you to find a specific sound. Single file or bulk translations (entire disks, folders, volumes, banks, directories, etc.) are available. For example, you can convert a Roland Performance to a .gig file with a single Giga instrument, or multiple Giga Instruments representing each Roland Patch contained in the Performance. Convert a single Emu E4 Preset, or a whole Bank.....**69.95**

Many of the special utility functions of the full version (see Chicken Systems Translator on page 1065 for further details) are also included.



ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com



COMPUTER SOFTWARE

1139

# TASCAM

## GIGASTUDIO SOUND LIBRARIES — SYNTHESIZERS

COMPUTER SOFTWARE

1140

### ARP Solina Strings

Created by Worra of Bigga Gigga, this is the classic ARP String Synthesizer of the late 70's faithfully captured in all its analog warmth. Every note of every Factory Preset is sampled! It is like buying the actual synth in perfect working order for an unbelievably low price. Now you can add the authentic sounds of this much sought after synth and take advantage of the awesome increase in polyphony made possible by Gigasampler. There are multiple variations of each Preset available through convenient "Key-Switch" mapping, making it possible to go from the stock, factory sound to a huge pad at the touch of key and without missing a beat. Stacking these warm analog sounds with modern strings and pads leads to endless hours of creative fun, searching for that perfect mix of old and new.



**TABGARP.....45.95**

### Vintage String Boxes



Stunning strings, vocals, flute and brass samples from the famous Mellotron and Arp String Ensemble. Today we rely on digital samples and modern synthesizer technology for the culmi-

nation of realistic instrument sounds. But before there were microprocessors, there were string boxes. The Mellotron is one of the most well known and easily recognized early legends. It's signature sound has shown up on hundreds of albums from the Beatles to Beck and has spanned decades of musical changes without ever going out of style. The Arp Solina String Ensemble is a product of the late 70's. This keyboard has been made famous by Elton John, The Eagles, New Order, and The Cure to name few.

The CD contains a choice selection of sounds from the Mellotron tapes. All 8 seconds of every note is included! (Small memory versions also included.) Three different string recordings from the Mark2, the M200 and the M300 plus the Mixed Choir and of course the infamous Mellotron Flute. The Solina Arp String Ensemble was recorded and programmed to give you every sound and knob variation the instrument is capable of. Fantastic pads, filter sweeps, FX and leads.

**TASIVINTAGE.....54.95**

### Dex Rex Collection

With 4 oscillators, 8 waveforms assignable to each, 8 algorithms possible per voice plus 3 assignable LFO waveforms, the Yamaha DX11 could do more than any FM synthesizer. And it was the quietest by far. It can duplicate any sound ever made by any previous FM synth and almost all the original analog sounds such as Moogs and ARPs. It's kiss of death was that it had no onboard FX processor. So what happens when you apply OUTBOARD FX to the Yamaha DX11 and give it 64 note polyphony as a Gigasampler instrument? You get some of the best sounding FM ever. Fat pianos and clavs, killer organs, great lead synth sounds, and even some big analog strings that rival modern synths and have unique qualities.....**Call**



### Roland JX-3P Synthesizer



Over 950 MBs of classic synth samples contained in a single 76 preset multi-instrument Gigasample file. All 32 original factory preset sounds are covered plus many custom created pads, filtered sounds and more. The JX-3P was Roland's first MIDI capable synth in 1983. Now you can own every sound from this timeless classic and enjoy the advantages of modern polyphony and the endless possibilities by "stacking" these sounds. All samples are long envelope and retain the internal volume scaling of the original hardware synth, so you will get the exact "feel" and easy playability of the original and all the subtle nuances that only really long samples can provide.

**TABGJX3P.....44.95**

### ATTACK SYNTH: MemoryMoog

Another huge native Gigasample format library from Bigga Giggas' Vintage Series of classic synths. The MemoryMoog library contains 101 Presets in 33 Gig files. Total size is 1.08 GB. Grab some vintage "feel" at a great price!



**TABGATTACKSY.....44.95**

### Worra's Prophet: Sequential Circuits P-5

It set the standard in the 80's, yet the Prophet 5 is still loved by many. 5 voice polyphony - 2 oscillators per voice and a white noise generator. The analog filters, envelope and LFO all sound great and are extremely flexible. There are 36 gigs on the CD, ranging from ultra-punchy analog basses to spacey pads. All the samples were recorded digitally directly into the PC. The sounds that have no infinite sustain are full envelope recordings. The sample ends only when the synth note faded on its own. The voices that would sustain indefinitely ARE looped, but the loop point doesn't occur until 10-12 seconds into the sample so in most cases you'll play the unlooped sound. Each Prophet voice has been sampled in thirds, C, D#, F# and A. The Prophet had no velocity sensitivity, but Gigasampler adds velocity sensitivity by default, which helps make the voice more expressive.



**TABGPROPHET.....23.50**

### Monster Matrix



2 full CDs of native Gigasample sounds. 27 Gig files, 101 Preset synth voices. The definitive library of classic Oberheim Matrix-12 voices. Leads, Pads, Bases; all are extremely long

source samples to take full advantage of the Gigasampler's power. Sounds designed and recorded by SonicEmulations; Gig files tweaked and post-edited by Bigga Giggas.

**TABGMONSTERM.....44.95**

### MiniMoog

A native Gigasampler format collection. Over 500 megabytes of pure synth sounds. Includes many of the most sought after Moog sounds; FX voices, basses, fat pads & great leads. Nothing compares to the real thing unless it is a Gigasample version that allows 160-note polyphony!



**TABGMINIMOOG.....44.95**



ONE HOUR FREE PARKING

AT 349 W. 34th STREET (with purchase of \$100 or more)

## GIGASTUDIO SOUND LIBRARIES — WORLD ETHNIC

### Silk Road

The Silk Road is the most well-known trading route of ancient Chinese civilization. Spanning 7000 miles through China, Central Asia, Northern India, and the Parthian and Roman Empires, the trade route blended culture, music, art and religion for centuries. Performed by Middle Eastern musicians, the Silk Road CD captures 50 authentic melodic and percussion instruments from this region. The CD includes single note instruments and percussion loops and melodic improvisations. Use the loops & improve in your pieces or as guides to the style. Melodic Instruments include: 3 Kawals, 3 Nays, May, Zurna, Arabic Violin, Bouzouk, Kanuun, Oud, Persian Violin, Persian Sitar, Santur, Tar. Percussion Instruments include: Egyptian Dumbek, Clay Dumbek, Bass Dumbek, Low & Hi Tombek, Low & Hi Udu Drums, Small-Med-Large Negato Drums, Copper Darbuka, 14" Frame Drum, 22" Frame Drum, Persian Daff, Bandir Frame Drum, Small & Large Bell Shakers, Egyptian Riqq 1 & 2, Asian Zill, Indian Zill, Turkish Zill, Sufi Triangle, Ankle Bells, 3 Copper Bowls, Small & Large Tibetan Bowls, Moroccan Gargaba, Vessel Shakers.



**TASISILKROAD**.....**189.95**

### Spirit Voices:

#### Native American Flutes

The unforgettable sound of handmade Native American flute captured by Werner John of Early Light Music. Werner's flute music CDs have sold over 150,000 copies. Now his handmade Native Flutes are available as Gigasample instruments. Multiple attacks such as Legato, Legato with vibrato, Tongued, Tongued with vibrato plus one super Gig that contains all these attacks at three velocity levels. Five separate flutes in all. **TABGFLUTES**.....**59.95**



### Voices of the Aztecs

Add ancient culture to your music... Voices of the Aztecs is a full compilation of Aztecs instruments, loops and vocals. These samples were recorded in Mexico from archeological artifacts. From the big Huehuetl drum to the smallest of Ocarinas, all of the sounds are unique. Water drums and wooded percussion, clay flutes and incredible sound of the sea shell horn all remind us of a distant culture disappeared 400 years ago. Voices of the Aztecs also includes Nahuatl poems recited by Santos de la Cruz, a poet of Aztec descent. The booklet included offers a cultural history of the Aztecs.

**TAQUPAZTECS**.....**149.50**



### Voices of Native America Vol. 1

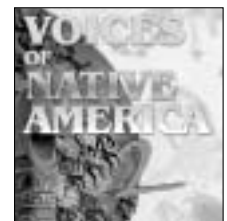


An authentic collection of Native American & indigenous instruments. Includes percussion, Native vocables, wooden & clay flute samples & performances, hand drums, rawhide drums & shakers. Vocal phrases

are performed by members of the Navajo (Dine'), Crow, Shoshone-Bannock, Hopi, Apache & Nez Perce Nations. Flute and drum performances by Douglas Spotted Eagle. Produced by Douglas Morton. **TAQUPNATIVE**.....**149.95**

### Voices of Native America Vol. 2

Sample producers Douglas Spotted Eagle and Doug Morton have teamed up again. This volume focuses more on component-based loops and rhythms of Native America. Instruments include deer toe shakers,



Taos Drums, Social Drums, and shakers. Flute phrases, single hit big drums and vocals are also included. **TAQUPNATIVE2**.....**187.50**

### Voices of Istanbul



Welcome to the world of Turkish sounds and rhythms. Recorded in Istanbul, this collection features single hit and multi-instrument loops of Turkish music. **TAQUISTANBU**..149.95

### NFX2 Chorus/Flanger

Complete range of modulation algorithms with spectral qualities ranging from smooth, rich chorusing to stiletto-sharp flange effects. Full control and MIDI automation of wet/dry levels, delay time (stereo), feedback, LFO rate, LFO depth and phase adjust. Screenshot, Expert Opinions.

### NFX3 Tap Delay/Auto Pan

Quad multi-tap delay algorithm with individual delay time, level, pan, feedback and damping per tap. BPM mode allows entry of delay times in musical terms (beats per minute, note values). Screenshot, Expert Opinions.

### NFX4 EQ

NFX4 is a semi-parametric stereo contour Equalizer. This effect gives you control over low-frequency shelving, mid-range, crossover point (low-to-mid) and high-frequency shelving.



# TASCAM

## GIGASTUDIO SOUND LIBRARIES — GUITAR/BASS

COMPUTER SOFTWARE

1142

### Jim Corrigan's Nashville High-Strung Guitars

From pioneering synth visionary, Jim Corrigan, comes the coolest, most playable acoustic guitar collection for GigaSampler. Recorded using proprietary studio technique, this totally authentic collection of up and down strums represents the sound of Nashville at its finest. This incredible library also includes dynamically playable single strings for solo parts.  
**TANHSG1**.....**124.95**



### Jacaranda Guitars: Vol. 1

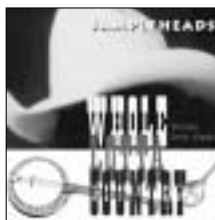


The standard of excellence for acoustic 6 string guitar samples. Fingerpick and Flatpick solo gigs and 12 different Chord Types recorded with down and upstrokes mapped so that you

can strum them yourself. Popular chord types include up to three inversions, so you can jump octave registers like real guitarists. Includes Midi Templates and demo songs, GSP Performance Presets for GigaStudio users and extensive Help File. Over 1400 MBs of 44.1kHz Stereo Gig files.  
**TABGJACARAND**.....**109.95**

### Whole Lotta Country

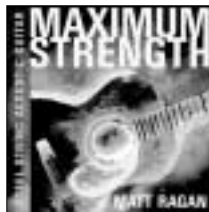
Get ready for a Hoe Down! The definitive collection of country instruments, plus the most outstanding array of country/ acoustic loops phrases and riffs ever assembled—and all



performed by country guru Larry Campbell. Pedal Steel, Banjo, Fiddle, Dobro, Acoustic Guitar, High String Guitar, Mandolin, Electric Guitar, 6-String Bass, Tub Bass 1,133 events - More than 2 HOURS of loops and notes. Pre-looped, ready to sample & 100% copyright free. 2 CD-ROM set.  
**TASHCOUNTRY**.....**189.95**

### Matt Ragan: Max Strength Acoustic Guitar

With over 1200 discreet, unlooped samples, the musical character of the beautiful Martin 000-16 is expressed in every possible hammer-on, pull-off, palm mute, release-damp, or slide combination with any open string or fretted sustain in 6 velocities - double-tracked effects, and other variations are also included for production versatility.  
**TAMRSTEELGTR**.....**109.95**



### Pocket Syndrome Vol. 1 Funk Guitar



Groove Master Bernd Schoenhart brings his unique "In The Pocket" guitar feel to this copyright free sample disc. Vol. 1 contains 74 minutes - more than 700 "in the pocket" guitar loops at multiple BPMs and keys per

loop. Bernd played loops in more than 20 unique styles, ready to give your tracks the "Pocket Syndrome Edge". Your tracks will be come alive with that "funky guitar feel" - that you've only dreamed of achieving with GigaSampler - until now!  
**TASHFUNK**.....**114.95**

### Acoustic Essentials: Standard & Premium Bundle CD

Vol. #1 consists of 6 string guitar, Drums, and Acoustic Washburn Bass. Vol. #2 consists of the entire 6 & 12 string acoustic guitar collection. Guitars include pristine, single-note instruments as well as unique chord strum .gigs. Drums include Snare .gigs of Gretsch, Tama, and more....Cymbal .gigs of Zildjian rides, crashes etc. There is a full .gig of Timbales. The KIT .gig has that hard to find, true acoustic feel. Bass is the classic acoustic Washburn guitar. A must- have essential for authentic acoustic recordings.



**Standard: TABGSTANDARD**.....**44.95**  
**Premium: TABGPREMIUM**.....**59.95**

### Heavy Guitar Library

It ain't pretty! This is a grungy, harsh, ruthless collection of guitar samples.... leads, mutes, scrapes, scratches, power chords, slides, feedback, harmonics and more. Insanely produced by Reek Havok and Sounds Amazing. Bonus 60Hz hum sample included on CD-ROMs.  
**TAQUPGUITAR**.....**109.95**



### Pocket Syndrome Vol.2 Rock Guitar



Bernd Schoenhart (John Secada, George Michael, Kenny G, Slash, Marc Anthony, Dave Valentin, C+C Music Factory) does it again, this time focusing on rock guitar feels. All new

unique "In The Pocket" rock guitar loops and riffs at multiple BPMs and keys per event. All loops are calculated to 1 or 2 bars, ready to load into your sampler or computer. Once again, Bernd performed in more than 20 unique styles, grouped by BPM, ready to give your tracks the "Pocket Syndrome Edge".  
**TASHROCK**.....**114.95**

### Amps and Pick-ups - Complete Guitar & Bass Collection

Sonic Implants guitars and basses are unlike any you've heard. Awesome sonic quality, sampled tones, chords, tones, upstrokes, downstrokes, harmonics, etc. for incredibly authentic guitar tracks. And basses with so much variety you'll find anything you need here.  
**TASIAMPS**.....**114.95**



## GIGASTUDIO SOUND LIBRARIES — GUITAR/BASS

COMPUTER SOFTWARE

1143

### Dan Dean Giga Bass

This the Gigasampler version of the highly regarded Dan Dean Bass Collection #1 and #2 combined with additional bonus banks not found on either of the first two disks. What's different about our samples? First, each and every note of all of the instruments has been sampled. This means that there is no pitch shifting, stretching or any other alteration of the original sample data.



The notes that were played are the notes that you play. The body resonance is constant. The string overtones are constant. The harmonic content of each of the notes is consistent, and so on. This all translates into digital instruments that are more natural sounding.

Basses include Alembic Spoiler Bass, Toucan Fretless Bass, Guild Pilot 5-String Bass, Fender Jazz Bass (60's vintage), Fender Precision Bass (60's vintage), Rickenbacker 4001 Bass, Hofner Violin Bass (60's vintage), Gibson Thunderbird Bass, Alembic Spoiler 5-string Bass, Washburn AB-20 Fretless Acoustic Bass Guitar, Guild Ashbory (Rubberband) Bass, Hohner Fretless Acoustic Bass Guitar and an Acoustic Bass (german 100+ years old).

**TADDGIGABASS.....149.95**

### Larry Seyer: Upright Acoustic Bass

This library is over 500 MB in size, dedicated to this one fine classic Italian instrument. Every note of every string was sampled in stereo at 4 velocities with no loops. Features 'finger damped' staccato release resonance samples that will play on the note-up (release) and body resonance volume controlled by the Mod Wheel. There are fast and slow slides up and down all four strings, up and down from each note. Also included are some riffs, special effects, harmonics and noises.



**TALSUPRIGHTB.....109.95**

### Will Lee's Ultra Freakin' Bass Rock



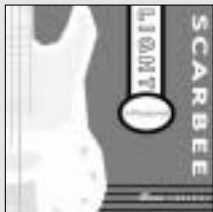
A collection of licks, riffs & patterns inspired by many bass influences, as well as "conditions of the moment" stumbled upon at the sampling sessions. Sampled with an array of some of my favorite cool effects pedals handy including the Boss Octaver (the "Brown Pedal") and Digitech's DOD Envelope Filter (the green pedal) and Whammy (the purple one). Also used was the spring reverb from Will's Fender Deluxe Reverb amp. This library also contains samples of 5 of Will's favorite

instruments, sampled all kinda ways to give you tools with which to make music at a high level of realism.

**TASHFREAK.....114.95**

### J-Slap & J-Fingered Electric Bass "Light"

Now get bass samples for Giga at a more affordable price. Based on the full versions of Scarbee J-Slap and J-Fingered the handmade Celinder J Update 4 has been recorded without the use of compression, tubes or advanced EQ to ensure you maximum flexibility in the sound production.



With the J-Fingered Light you can play sustained notes, do hammer-ons, pull-offs, fast grace-notes, staccato-releases or slides, using only the mod wheel and the foot controller. You can also add all kinds of fretnoise and pick-up clap to you bass line to make it sound even

more real. 423 samples are dedicated to each of the 3 pickup settings: bridge, both and neck, giving you the total of 1269 samples (about 496 MB on this CD).

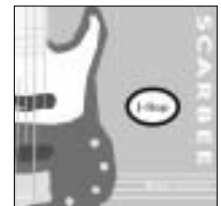
J-Slap Light gives you the chance to thumb and pluck sustained notes, do hammer-ons, pull-offs, fast grace-notes, staccato-releases or slides using only the mod wheel and the foot controller, like J-Fingered Light. Add all kinds of fretnoise and string clap to you bass line to make it come alive. 524 samples are dedicated to each of the 3 pickup settings: Bridge, Both and Neck, giving you the total of 1572 samples - about 464 MB on this CD.

The programming of J-Slap Light is almost identical to J-Fingered Light as these two libraries are meant to be used as one bass sound.

**J-Slap Light TAJSL...Call    J-Fingered Light TAJFL....Call**

### Scarbee J-Slap & J-Fingered Electric Bass

Novel sampling techniques and pristine audio signal quality combine to make the Scarbee J-series the standard in sampled electric bass libraries. Designed to maximize the enormous sample capacity, high polyphony, and pristine 32-bit signal processing exclusive to the GigaStudio system, the Scarbee J-series bass libraries provide levels of interactivity and musicality not found in other sampled electric bass libraries.



For the Scarbee J-Slap bass, more than 900 samples are dedicated to each of the 3 pick-up settings: bridge, both, and neck, providing a total of 2700 samples - or about 800 MB on the CD. The musicality of this handmade Celinder J Update 4 is expressed in every possible hammer-on, pull-off, grace-note, staccato-release or slide, with any sustain, mute, thumbed or plucked note combination reproducible in every authentic context.



For the Scarbee J-Fingered bass, 1046 samples are dedicated to each of the 3 pick-up settings: bridge, both, and neck, providing a total of 3138 samples, or 1.15 GB on the CD. As in J-Slap, the musicality of this handmade Celinder J Update 4 is expressed in every possible hammer-on, pull-off, grace-note, staccato-release or slide; with any sustained note combination reproducible in every authentic context.

For the first time, the sustained bass notes have been sampled with both right hand index and middle finger (up to 8 sustained note per note), providing very realistic sounding bass lines. This library also contains 2 different sets of staccato-release samples: loose and tight which really brings life into your bass playing. J-Fingered has also both soft and hard legato-tails, even more slides than J-Slap and a complete new set of fret-noises. The programming is almost identical to J-Slap as these two libraries are meant to be used as one bass sound.

**J-Slap TAJSLAPBASS.....104.95    J-Fingered TAJFINGEREDB.....104.95**

# TASCAM

## GIGASTUDIO SOUND LIBRARIES —PERCUSSION/LOOPS

COMPUTER SOFTWARE

1144

### Latin Groove Factory

The standard for Latin Music and percussion samples. This is the most comprehensive 3 volume collection of authentic traditional and contemporary drum and percussion grooves from Cuba and Brazil. Grooves from the cultures of Puerto Rico, Trinidad, and the Dominican Republic are also included in this smoking set of drum and percussion loops and samples. Produced by experts in the Latin music field, these CDs offers the maximum amount of feel and groove allowed in samplers today. The project is laid out in such a way that even the lay person will be able to understand and use "clave".

#### Vol. 1 Afro-Cuban



Styles represented include: Mambo, Cha-Cha-Cha, Songo, Guaguanco, Bomba, Merengue, Mozambique, Bolero, Salsa, Sambas - Cruzado, Funk, Partito Alto, & Batucada, Bossa Nova, Bairo, Calypso.

**TAQUPAFROCUB.....149.95**

#### Vol. 2 Brazil

Styles include Baion 96, 116, 132, Batucada 96, 116, 138, Bossa Nova 120, 142, Brazilian Pop 96, 116, Marcha 152, Partito Alto 96, 108, Samba Cancao 96, Samba Cruzado 76, 96, 116, 142, Samba Funk 96, 116. Plus multi-sample single hits of percussion instruments.



**TAQUPBRAZIL.....149.95**

#### Vol. 3 - Caribbean



Styles include Caribbean: Calypso 96, 108, 128 Bomba 90, 108 Merengue 124, 148 Afro-Cuban Traditional 6/8 traditional: Bembe 108, 128 Guiro 108, 128 Yongo 108, 128 Mozambique 108, 124

Guaguanco 76, 100, 116, 138 Guaguanco Matanzas 76, 100, 116, 138 Bolero 76 Cha-Cha 120, Danzon 120 Son 120 Afro Cuban Contemporary Bata Songo 116 6/8 Popular 108, 128. 4/4 Bata: ChaChaElekefun 116, 132 Rumba Iyesa 116, 132.

**TAQUPCARRIBN.....149.95**

### Dave Samuels - Marimba & Vibes

Dave Samuels is a multiple Grammy award winner who has established himself as the top mallet player of his generation. He is recognized for his fresh new sound and creative approach to both the vibraphone and marimba. This disc contains the highest quality multi-samples of marimba and vibes ever recorded! Multiple mallet variations (timbre) and dynamics. Chromatic samples of the entire range of the instruments: Yamaha YV3710 \_ 3-1/2 octave vibe and the YM5000 \_ 5 octave rosewood marimba. Sustained Notes, Muted Notes, Rolls, Riffs, and more!

**TASHMARIMBA.....114.95**



### Christian/Lane: Ultimate Marimba & Vibes

This two disc library features a Marimba One five octave rosewood marimba, and a Musser Gold Century set of vibes. With four sets of mallets to choose from for each instrument your composing possibilities are endless. The marimba patches include four velocities strikes, rolls, muted strikes, and rattan handle strikes. The "marimba extra's" patch includes resonator strikes, glisses, various runs and more. The Vibraphone patches include three velocities strikes, pedal up strikes, bowed vibes, and many ethereal sounds.

Three selectable motor speeds are programmed via the mod with each mallet of the vibes.

**TACLARIMBA.....149.95**

### Christian/Lane: The Ultimate Timpani Library

Using a set of Hinger Touch Tone timpani with calf heads, this six-disc library contains every performance nuance to allow the most realistic timpani imaginable. These incredible drums produce tones not possible with any standard drums using conventional heads.

Five mallets from a warm legato cartwheel to wood have been recorded at eight velocity levels for amazing flexibility and playability. Both right and left hand samples are included to make fast articulate passages flow seamlessly and realistically. Files for each mallet include: hits (right and left hands) at eight velocities, rolls at four velocities with release triggers programmed for realistic roll endings, crescendo and decrescendo rolls at three lengths, and true hand muffled strikes at eight velocities. Also includes a fingers and hand patch at four velocities (right and left hands) ranging from a light tap with one finger to the entire hand at "ff". And don't forget the standard "special effect" timpani sounds including: glissando rolls, bowl hits, booming detuned earthy tones, and eerie rolling glissando's with a cymbal on the head.

**TACLTIMPANI.....259.95**



### Christian/Lane: Ultimate Percussion Library



A true pallet of orchestral percussion sounds with capabilities unmatched by anything else available. The samples were recorded with the natural acoustics of a professional hall built in. This allows sounds to instantly meld into your work with little or no additional special placement, and instruments sound like they are coming from their correct position in the ensemble, not "in your face". Each instrument is provided with a vast array of performance possibilities including: right and left hand snare hits for realistic rapid passages; consonant and dissonant triangle strikes to create the perfect tonal

shading; tambourines with right and left hand samples, thumb rolls, shake rolls, crescendos; multiple pairs of crash cymbals with sustained crashes, choked crashes and scrapes suspended cymbal rolls, crescendos, mallet hits, stick hits, chokes, bells and scrapes; mallet instruments and timpani with multiple mallet choices and all velocity switched for incredibly realistic dynamic changes. Also included is a great collection of exotic percussion: wind chimes, thunder sheet, almglocken, ratchet, finger cymbals, clay chimes, bamboo chimes, porch chimes, Chinese bells, Chinese bowl, Chinese nipple gong, and anvil.

**TALCLPERCUSS.....227.95**

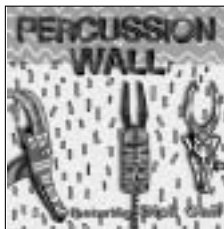


EQUIPMENT LEASING AVAILABLE

## GIGASTUDIO SOUND LIBRARIES—PERCUSSION/LOOPS

### *Percussion Wall*

This sampling CD offers Afro Techno Ritual Rhythms with drums and percussion as its foundation. Percussion Wall offers a wide range sounds, and arrangements with rhythmic pulse divisions (2, 3, 4, 6, 8 and quarter note triplets - 3 against 2). All the 559 loops on Percussion Wall are organized into 8 tempos 160, 140, 130, 120, 118, 110, 100 and 80 beats per minute. Also includes a listing of the original stereo loop points. Important data is listed for each loop which includes sound and music properties. The original loop points can be easily obtained with the information listed in this manual.



- ◆ Percussion Wall is an extremely versatile sampling CD because it contains compete larger than life rhythm loops that are production ready, also background or rhythms textures that can mix in with other existing music, as well as sonic construction material for creating entirely new loops.
- ◆ Electronic Drummer Dick Gail performed and created a series of drum loops based on African/Jazz rhythm concepts but used contemporary percussion samples for his sound source. His inspiration for these rhythms are the songs from the tribes of the Yoruba, the Bambala, the Zingili the Mahafaly, the Baya, the Watutsi, and the Badouma, and the work of the great BeBop drummers, such as Elvin Jones, Max Roach, Art Blakey and Philly Joe Jones.
- ◆ Ernest Cholakis took these loops and processed and transformed some of these loops into "Electro-Acoustic transformations" —a class of sound processes Cholakis developed to dramatically alter and transform percussion loops in unique ways that are commercially unavailable. The transformed loops on this CD were designed to expand the range of sonic and musical creative potential for the user. The results are rhythm building blocks which can be manipulated by any musician or sound designer to create entirely new and different sounding loops from those heard on this CD.
- ◆ And lastly, in the process of separating the musical elements much work was done to enhance the clarity of many of the very complex rhythms as well as having expanded and extended the timbre of the original performances.

**TAPW.....149.95**

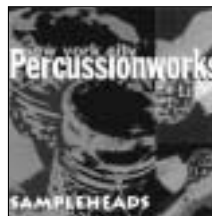
### *vrPercussion*

A collection of hits and techniques of percussion instruments from around the world. High quality percussion samples for any kind of music. Single hits, riffs and technique samples. Create extremely realistic grooves without being locked into ethnic patterns.

**TAVRSPERCUSN.....109.95**



### *New York City Percussionworks*



Amazing percussion played by 7 of New York's top percussionists. Congas, Bongos, Clave, Shakers, Triangles, CowBells, Tamborines, GoGo Bells, Whistles, Tabla, Shakere, FrameDrum, Udo, Dumbec, Talking Drum, Pandero, Cabasa, Guiro, Flexitone, Wood Blocks, Timbale, Gongs and Bells. 1,482 events. Over a GB of hits and loops - pre-looped, ready to sample & 100% copyright free! 2 CD-ROM set!

**TASHPERCUSSN.....189.95**

### *Afro-Cuban (Latin) Percussion*

This is the Latin Percussion collection you've been waiting for. Ambient stereo and close miked mono versions included to give you complete control over your mix. TONS of articulations (hits) per instrument and up to 4 multi-velocity samples from soft to loud to make you sound like a pro. Vibraslap Instruments and playing provided by Joe Galeota of JAG Drums. Recorded at Blue Jay studios in Carlisle, Mass. with engineering by Mark Tanzer (NRBQ, Carly Simon, Patty Larkin, Jerry Marotta, Livingston Taylor, Lyle Mays and others).

**TASIPERCUSS.....74.95**



COMPUTER SOFTWARE

1145

## GIGASTUDIO SOUND LIBRARIES— DRUMS/LOOPS

### *New Orleans: The Delta Groove*

Inspired by the exception acoustic performances of New Orleans' musicians Robin D. Rorie and Dennis Shaikewitz, Numerical Sound has produced a sampling package that offers several exceptional features available to users for the first time. The Delta Groove contains tons of loops and samples of drums and bass to give you that distinctive New Orleans sound.

On this collection, all the kick, snare, and tom toms samples have 32 velocity levels and the hi hat and ride cymbal have 8 velocity levels. Each track has a partial set of the appropriate drum samples in the upper register of the each keyboard patch. The user can play along in real time with either the acoustic or electro-acoustic loops which are triggered from the lower register the same keyboard patch.

New Orleans: The Delta Grooves contains over 1.3 Gbs of sampling material. This package gives the user 250 acoustic loops all between 4-8 bars in length at tempo's ranging from 72-120 BPM of drums, bass & drums, bass, guitar & percussion loops. Also included are 485 E.A.M. loops, 1336 drum samples in either 8 or 32 velocity levels and 170 bass riffs, slides, harmonics as well as 210 perfectly looped individual electro-acoustic Fender bass tones organized in 6 velocity levels. Recorded in New Orleans, the overall sound is an acoustic sampling CD that is clean, warm and transparent. Into the Delta sound? Get Delta Grooves today!

**TANSNEWORLNS.....149.95**



# TASCAM

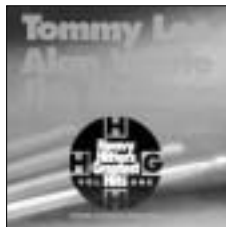
## GIGASTUDIO SOUND LIBRARIES — DRUMS/LOOPS

COMPUTER SOFTWARE

1146

### Heavy Hitters Library

Three stellar drummers; Tommy Lee (Motley Crue), Alan White (Yes), and Jim Keltner (studio legend). Multiple dry/ambient hard, medium and soft hits. CD-ROM versions offer modular patching allowing easy kit construction. Recorded in world-class drum rooms like A & M Studios & Ocean Way. CD-Audio & CD-ROMs.



**TAQUPHITTERS** .....109.95

### Steve Gadd Drum Scores



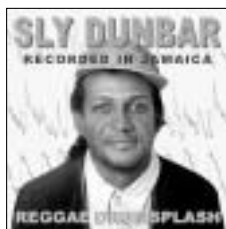
Loops & multi-sampled drum hits played by Steve Gadd. Steve's credits include Paul Simon's "Rhythm of the Saints" & "Graceland", Steely Dan "Aja", and many more world class hits.

DrumScores include Brush Samba, Afri-Latin & Reggae. Sticks & brush samples. Loopable sections and complete pieces of drum music.

**TAQUPDRUMSCR** .....109.95

### Sly Dunbar - Reggae Drumsplash Remastered

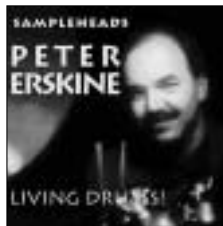
Sly Dunbar, one of the world's greatest drummers, has set new standards for dance music using his unique blend of Reggae, Funk and Hip Hop with his long-time associate Robbie Shakespeare. Dubbed the Riddim Twins, Sly and Robbie pioneered the fusion of Hip Hop and Reggae that is today taking the charts by storm - Dancehall Reggae has left a trail of music rich in rhythm and bass. Sly plays the numerous styles of Reggae and Ska, then opens the vault to his Dancehall grooves, which can only be described as a sonic hurricane. This CD is a chronology of the past, present and future of Reggae music. Included are 150 otherwise impossible to get Dancehall loops by Sly for hits including Shabba Ranks, Maxi Priest, Chaka Demus & Pliers, Apache Indian, Snow, Cutty Ranks, Black Uhuru, Yellowman, Gregory Isaacs.



**TANSPLYDUNBA** .....149.95

### Peter Erskine - Living Drums!

What do Steely Dan, Weather Report, Rickie Lee Jones, Chick Corea, Joni Mitchell, Joe Henderson, Jaco Pastorius, Bob James, McCoy Tyner and Michael Brecker have in common? Peter Erskine! Thousands of carefully recorded drum performances, played and personally selected by Peter from his collection of world class drum sets, are compiled on this definitive collection of drum sounds guaranteed to make your tracks come alive.



**TASHLIVINGDR** .....114.95

### Bun E in a Box



Multiple loops from every Cheap Trick hit, plus a comprehensive collection of single hits from his extensive drum collection. Produced and recorded by legendary engineer

Steve Albini (Nirvana). Available in 24-bit/44k. Drum tracks from Cheap Tricks arsenal of hits highlight this stunning collection, such as: I Want You to Want Me, California Man and many others are offered in looped sections for easy customization into your existing productions.

**TAQUPBUNE** .....149.50

### Drum Series 1

Get ready for the drums of your dreams. From the real to the surreal, these drums sound amazing. Recorded at the famous Blue Jay Recording Studios and Wellspring Studios near Boston, all drums and all cymbals are stereo, no loops, and heavily multi-velocity (multiple samples from soft to loud hits). Even the snares are sampled at multiple places on the drum. This attention to detail is guaranteed to give you the most realistic, most playable drum sounds ever. Includes 250 Gigasampler programmed drum kits and instruments.



**TASIDRUMS** .....149.95

### New York City Drumworks

1.2 GBs of awesome rhythm played by 6 of New York City's top session drummers! Funk, Rock, House, Hip-Hop, Latin, Cajun, R&B, Brazilian, Rock-a-billy, African, Reggae, Swing, Gospel, Country, Thrash beats and lots more! Played with sticks, blastix, brushes and mallets at multiple tempos per groove or style... The definitive collection of drum loops and hits from 6 of New York's finest. 2 CD-ROM set!



**TASHDRUMWRKS** .....189.95

### Mark Walker - Latin Drums



Mark Walker (Paquito D'Rivera, Oregon, Caribbean Jazz Project, Michel Camilo) lays down slamming Cuban, Brazilian, Puerto Rican and other Latin American rhythms on

drum set with percussion & complete assortment of drum hits and cymbals meticulously recorded at 24-bit resolution. Recorded specifically for the sampling musician with an extremely wide variation of tempo and feel. The drum hits are superb - some say the best ever recorded.

**TASHLATINDRM** .....114.95

### TOPAZ STUDIO KITS: Volume One

The ultimate in live acoustic drum sampling. Features 8 complete virtual drum kits created from Yamaha and Gretsch premium acoustic drum sets! From large rock kits, to studio and pop kits, to acoustic jazz and jungle, you are sure to find the ideal drumming solution here. All kits were played by New York session drummer Zach Danziger, who is well known in musicians' circles, having recorded with such artists as David Holmes, Manic Street Preachers, U2, Jim Beard, Bill Evans, and Randy Brecker. The library fully utilizes the expressive power of GigaSampler and GigaStudio. Lightning fast performance, even on modest systems.



**TABGTOPAZ** .....74.95



## GIGASTUDIO SOUND LIBRARIES- DANCE/ELECTRONIC LOOPS

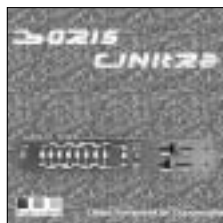
### Dance Partition

1500 fresh, modern synthetic drum and percussion single shot samples. A huge variety of high quality sounds for many different styles; classic dance-floor, techno/hardcore, hip hop/rap, pop, trance & jungle. Produced by Andreas Luhmeyer and Christian Hoppner/TIB Studios/Germany  
**TAQUPDANCE.....112.50**



### Boris' Unitra Eltra Rytm16

Collectors' item analog rhythm box circa 1989 from Poland. 32 rhythm patterns sampled at multiple tempo ranges and perfectly looped. Mapped to Gigasampler files clearly marked by tempo for ease of use. Check out the mp3 demo to see if this funky beat box appeals to you!  
**TABGBORIS.....23.50**



### Dream Experience

Dream house, the new rage in hi-tech dance music sweeping Europe. Innovative bass, drums, FX, choir, textures, ambient film tools and complex sound scapes. Perfect for electronica, score to picture and remixes. Wake up and smell the dream. Produced in Germany by TIB/Andreas Luhmeyer and Chris Hoppner.  
**TAQUPDREAM.....112.50**



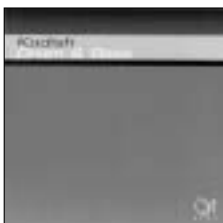
### HipHop



This is the phattest multi drum & loop cd rom period. It contains a 1000+ Kicks, Snares, Hats, 3D Live Loops and Kits, virtual speaker Guitar licks, chords and funky wahwah stuff,

real bass, bass noises, and distorted bass.  
**TAVRSHIPHOP.....109.95**

### Kodish Drum 'n' Bass



Pure adrenaline by Kodish, who offers the machine-like energy of Drum 'n' Bass with the emotional impact of real drums. Sub-sonic synth grooves and hits played by Cliff Hewitt (Apollo

440) round out this disc. You've heard Kodish live and on recordings by Apollo 440, Chemical Brothers, Maximum Roach, Jean Michel Jarre remix concert. Sampler layouts offer complete control over each instrument/loop in the set. This enables access to only the hat loop or kick loop. Overhead and room mics were recorded on discrete tracks thus enabling user control over tight and dry or big and wet. Mixes of the entire groove are also included. Some loops are heavily processed and trashed out. A complete set of multi-sample single hits are also included.  
**TAQUPKODISH.....149.95**

### Increased Velocity— Surround Tools for Post Production



Surround and astound your listeners with radically futuristic loops, beats, ambiences, drones, hits, stinger FX & atmospheres. All sounds are processed in Dolby Stereo

Surround (4-2-4). Fully endorsed by Dolby Laboratories, this library is the Swiss army knife for use in film, music, re-mixing, multimedia development, or any project requiring cutting edge audio production. The sounds were created Canadian-based sound designers Sean Charles and Gordon Durity, who have created signature compositions & sound design work for the film, music, multimedia and video game industries.  
**TAQUPVELOCIT.....152.95**

### Streetbeats by Poogie Bell

Drummer/producer Poogie Bell (Chaka Khan, Teddy Riley, Marcus Miller, Hugh Masakela) offers you sounds from his recording and performing travels. Hip Hop, Rap, R&B, soul, jungle, acid jazz, reggae dance hall are genres represented on this disc. Includes loops, plus hits of drums, doors and much more.



**TAQUPSTREET.....109.95**

### David Torn Pandora's Tool Box



Features 70 tracks (73:01 mins.) of Textural Mayhem. Created for the producer/musician who requires highly unusual sounds. Organized into 3 categories: Textural, Riffic,

and Rhythmic, these loops are suitable for many applications including sound for picture, music production, multimedia, or adding a desired edge and degree of unusualness to existing music.  
**TAQUPPANDORA.....109.95**

### Drone Archaeology

Constantly evolving drones are based on original sounds and acoustic palettes and have completely unique characteristics. These tones are the result of computer resynthesis with a series of proprietary computer programs. Each drone is rich yet is completely absent of noise. Contemporary and original in nature and scope, Drone Archaeology is a powerful tool in the hands of the contemporary and avant garde composer/musician, as well as being an invaluable resource for film composers creating soundtracks, soundbeds and sound design.



- ◆ Used as foundation material, they can be processed and transformed in any number of ways to assist you in developing your own particular sound.
- ◆ Every drone is between 32 and 64 seconds of original material with no built in loops.
- ◆ Film Composers: In order to aid multimedia and film production, the drones have been classified into seven categories: Nature, Science, Drama, Industry, Voice, Bell and Drones. They were designed to have "focused spectrums". In other words: to occupy a measured amount of the sonic space in the stereo field. Even though they are extremely rich and evocative tones, they do not dominate or overpower the overall sound.

**TANSDRONE.....149.95**

# TC WORKS

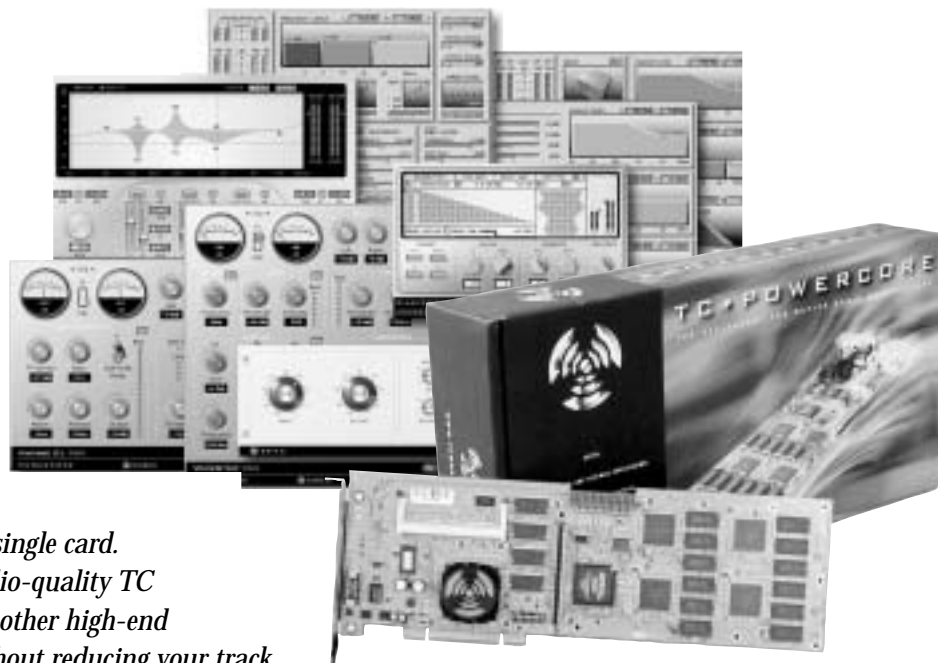
## TC POWERCORE

COMPUTER SOFTWARE

1148

### *Effects Processor for VST and MAS*

*TC PowerCore is an open DSP hardware platform for your favorite VST/MAS recording application—Mac or Windows. A PCI card that acts as a DSP Turbo, TC PowerCore enables native users to run extremely DSP-intensive high-end effects that previously taxed the host computer to the utmost. Using state-of-the-art Motorola 56K DSPs designed for audio, TC PowerCore provides significant performance over sole native processing, providing the equivalent power of four Mac G4 processors and a PowerPC chip—on a single card. With TC PowerCore you can run 8 studio-quality TC MegaReverbs, TC Master X or up to 24 other high-end PowerCore plug-ins simultaneously without reducing your track count or using up all available CPU horsepower.*



*TC PowerCore adds incredible power to your existing work environment. It seamlessly integrates into any VST-compatible sequencer or audio application such as Cubase, Nuendo, Digital Performer, Spark, Peak or Logic—no proprietary add-on software is required to access the board's audio processing power. PowerCore works in conjunction with any audio hardware supported by the hosting audio application, from ASIO to Direct I/O and even SoundManager. 24/96 is supported, of course requiring twice the amount of processing resources per plug-in. Multiple cards are also supported by the design, allowing for expansion as the need grows. Hardware I/O is supplied by the user's existing I/O solution. Finally, PowerCore includes a stack of extremely powerful high-end DSP tools, right out of the box. All in all, 22 different tools from Reverb to Synthesis and Metering to Dynamics processing are included—all in TC-quality.*

### FEATURES

#### *Flexibility*

Each TC PowerCore DSP can run any type of effect thanks to plenty of power and the dedicated external S-RAM. Depending on processing requirements, a single DSP can normally run multiple effects. Super-algorithms may even take up to 2 DSPs, as required. Open 3rd party policy ensures that there will always be plenty of options available to expand the scope of the system!

#### *PowerPC*

The unique design includes a Motorola PowerPC with 8MB of D-RAM for perfect integration with floating point processing. This chip is TC POWERCORE's brain and bridge to the host-based native world - so the DSPs can do what they are best at: professional audio processing!

#### *Low-Host Load*

TC PowerCore doesn't drain your computer's performance with its sheer existence in the system. Even the PowerPC chip has its own RAM. So no effect has to access the host computer's RAM, saving precious bandwidth on the PCI bus.

#### *Quality*

Four Motorola 56362 DSPs ensure professional signal processing quality. Each chip allows up to 24-bit/96kHz audio and 48-bit double-precision processing, which many consider superior to 32-bit floating point processing. The 56362 is the most widely used DSP chip around, found in many high-end products from digital audio workstations to effect processors and synthesizers!



[www.bhphotovideo.com](http://www.bhphotovideo.com)

# TC WORKS

## TC POWERCORE

### Multiple PowerCore Cards

Up to 4 cards may be used simultaneously in one system, though each card provides you with so much power that you probably won't need that. In fact, with 4 cards you can go as far as having a MASTER X3 virtual Finalizer on every track in a 32-track production.

### The VST PowerCore Plug-in Format

With TC PowerCore you don't give up any of your VST features – instead, PowerCore adds the reliability and power of a DSP-based system to your native environment. The VST PowerCore plug-ins run as an extension to VST-plug-ins. The user interface code runs on the host and acts like a VST Plug-In, while all the CPU intensive DSP code runs on the card. This frees up precious performance resources on the host computer for other native processes like VST instruments. Of course, you can use VST and TC PowerCore plug-ins at the same time – even in the same signal path. PowerCore plug-ins are even stored in the same folder as your VST plug-ins.

### I/O

TC PowerCore functions with all I/O systems supported by your application, making it the perfect addition to almost any existing system.

### Compatibility

TC PowerCore supports both, MAC and PC computer platforms. The card is compatible with MacOS 9.x and Windows 98, 2000, ME, XP. It also compatible with any host application that supports VST or MAS-plug-ins, as well as any sound system supported by the application software (ASIO, Digidesign Direct I/O, SoundManager etc).

### Options

An integral part of the TC PowerCore is its open processing platform, allowing many more plug-ins by well-known 3rd party developers. Software like SONY's Oxford EQs, D-sounds Simulator and Waldorf's D-Coder take advantage of PowerCores's processing power to provide you with seamlessly integrated FX in your VST/MAS sequencer.

COMPUTER SOFTWARE

1149

## Bundled Plug-ins

### TC Megareverb

Megareverb's unique algorithms are based on years of research and the core technology of the flagship TC Electronic M5000. As performance requirements aren't issue with TC PowerCore, the software provides studio quality reverb inside the native production environment. Designed for professional use, you will find all the parameters required for proper reverb design— from separate initial reflections and tail controls to a reverb tail with 3 independent bands. Run up to 8 Megareverbs simultaneously on a single TC PowerCore card .



- ◆ With better diffusion, denser tails and more realistic room impressions than ever before, TC Megareverb is the ultimate reverb solution. Adds Initial Reflection and Tail Balance Faders for even more creative control!

- ◆ Intuitive user interface with an overview of all relevant parameters, combined with easy control of the parameters takes the guesswork out of the reverb creation process. You get the sound you want - fast.



### TC VoiceStrip

This highly integrated plug-in is a complete channel strip for voice sound processing, with Compression, DeEssing, a dedicated Voice EQ, Lo-cut Filter and Gate! The acclaimed TC-saturation technology and the vintage compressor model ensure that

VoiceStrip can add the highly coveted TC emulation of tube gear warmth and presence to your recordings whenever required.

### TC Vintage CL (Compressor/Limiter)



The Vintage CL employs a different compression algorithm from VoiceStrip - emulating the behavior of industry-standard analog compression, aiming at general purpose rather than specific applications. Run up

to 6 of these versatile Compressor/Limiter plug-ins on only one of the four available DSPs.

# TC WORKS

## TC POWERCORE

COMPUTER SOFTWARE

1150

### MASTER X3

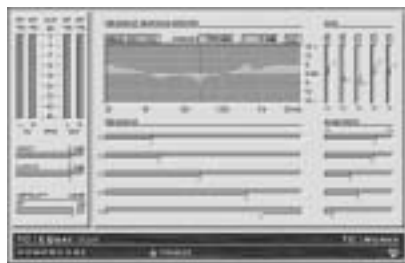
Based on the technology of TC's industry-standard Finalizer, the MASTER X3 provides knock-out punch for mixes and masters. MASTER X3 expedites the mastering process by integrating several phases of mastering into a single, easy to use interface. It features multiband expansion, compression and limiting, all optimized for mastering applications. High quality uncorrelated dithering is included as well.

- ◆ Intuitive user interface makes this critical process faster and easier. Overall processing characteristics are controlled via "Target Curves" that simplify handling by providing a global style for the bands in all modules.
- ◆ The interaction between the bands can be fine tuned by applying "Target Factors" which determine the frequency focus of each processing module, significantly reducing the number of required user parameters.
- ◆ During mastering, you need to know exactly what's going on, so MASTER X3 includes accurate level metering with clipping counters and peak hold indicator.
- ◆ Digital ceiling parameter lets you precisely limit maximum volume whenever brick-wall limiting is required. "Soft Clipping" even provides "analog" sound when desired.



- ◆ Up to 8 instances of MASTER X3 can run simultaneously on one PowerCore board.

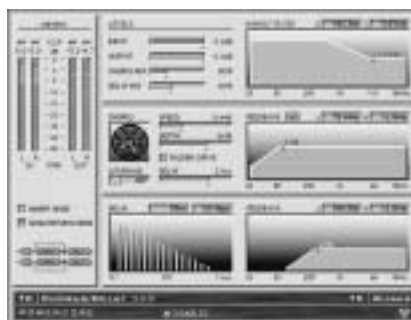
### TC EQsat



TC EQsat provides the same high-quality EQ that you find in the TC Finalizer hardware. This 5 band EQ has 3 parametric bands plus one Low shelf and one High shelf band ( $\pm 18$  dB boost/cut per band). Naturally, bandwidth, frequency and

gain are selectable per band. Plus, the unique SoftSat technology creates that warm, analog sound whenever desired. Clean-sounding and very easy to-use, it is ideal for any situation from recording to mastering. Up to 12 instances of EQSat can run simultaneously on one PowerCord card. A combination of TC Megareverb, EQSat and Chorus/Delay will only require one DSP to run (at 48kHz).

### TC Chorus/Delay



Chorus/Delay was modeled after the TC Electronic 1210 Spatial Expander, the legendary classic device for modulation and delay FX with very flexible routing and filtering facilities. This plug-in provides

Flanging, Chorus, Delay, Slap Delay and combined modulation and delay multi FX, complete with BPM-based delay time input! Chorus/Delay creates unique images which are rich, yet never sound "overdone". Hear it to believe it!

### Spark LE

Spark LE is the bundle version of Spark, TC's effects processing and mastering application for Macintosh. However, if you only expected a "Lite" version, think again: Spark LE supports 24/96, VST plug-ins, includes a native mastering limiter, delay line and EQ, realtime crossfades, etc., etc.! And if you want even more power – an upgrade path to Spark is included as well. Compatible with Mac OS X and Mac OS Classic, Spark LE comes with a mastering quality Audio Maximizer, a flexible Tempo Delay and a One-Band EQ with selectable Notch, Low Pass, High Pass, Parametric types of equalization and a Master window with high resolution metering and 4 slots for real-time plug-in processing.



### TC PowerCore 01 Synthesizer

PowerCore 01 is a synthesizer plug-in for PowerCore. Modeled after a classic monophonic analog synth, it sounds fantastic.



The TC PowerCore instrument format allows virtual synthesizers to use the available DSP-power for signal processing while running seamlessly integrated within any VST-instrument compatible sequencer, such as Logic, Nuendo or Cubase. As PowerCore is an open platform, other manufacturers such as Waldorf and Access are building synths based on PowerCore's processing power.

### Classic Verb



Modeled on a world renowned studio reverb to achieve its distinctive rich and textured classic reverb sound, Classic Verb's algorithm follows a completely different design philosophy, offering a completely different sound from

Megareverb. Apart from the elegant user interface, Classic Verb features a choice of modulation types for sonically rich timbres. Fifteen room types provide a wealth of different unique spaces, featuring Halls, Plates, Cathedral, Spring as well as three rooms tuned especially for vocal processing. 2 instances of the plug-in require only one single DSP to run, allowing a total of up to 8 Classic Verbs on a single PowerCore— leaving room for more plug-ins.

### 24/7-C Limiting Amplifier

24/7-C is meticulously modeled after a legendary dynamics processor, allowing it to



match its distinctively warm tone, while adding sophisticated extras only possible with today's flexible software technology. 24/7-C extends PowerCore's dynamics processing to include a total of 4 plug-ins dedicated to a variety of compression needs. 7 mono instances of the plug-in require only one single DSP to run, allowing a total of up to 28 mono 24/7-C's on a single PowerCore. Supports 96 kHz.

### PowerCore FireWire



TC Electronic introduced PowerCore Firewire, providing audio professionals on the move with audio processing on laptop or desktop systems. This addition to the PowerCore platform offers almost twice the power of the PCI-card version. Now even complex mixes become a reality using just a laptop computer and one PowerCore Firewire. Of course the PCI-card and the Firewire version of PowerCore can be used at the same time.

PowerCore Firewire offers the same unique architecture as PowerCore PCI, featuring a Motorola PowerPC and 4 Motorola DSPs. All signal processing is performed on the PowerCore unit, freeing up precious host performance resources for virtual instruments or native Plug-Ins. The hardware specifications go beyond those of the original card, featuring faster DSPs, a faster PowerPC and 3-times the amount of RAM per DSP.

## OPTIONAL PLUG-INS

### Assimilator

#### EQ-Curve Assimilation and Morphing

Learn the sound of your favorite mix and apply it to your own. This in short is what Assimilator does. Equalization is one of the more difficult tasks in recording, mixing and mastering – especially when you are trying to match a certain sound. Assimilator makes the process fast and instantaneous—3 steps and you're done.



The user interface provides two complete sets of curves and a morph page. On the morph page, you can morph between two complete curve sets by simply moving one fader. The applications of this processor range from film sound to mastering and of course creative use.

- FFT-resolutions of 2048, 4096, 8192
- Curve presets (Loudness etc.)
- Freely adjustable Apply strength
- Limiter
- Draw tools for EQ-curve editing
- 1 per DSP in high resolution

# TC WORKS

## Optional POWERCORE PLUG-INS

COMPUTER SOFTWARE

1152

### Waldorf D-Coder Synthesizer Vocoder

Waldorf's D-Coder for PowerCore goes beyond classic Vocoder concepts by providing an integrated synthesizer as tone generator. This way no external carrier signal is required to make the vocoding effect audible. D-Coder is based on DSP technology used in the popular Waldorf synthesizers, made accessible to PowerCore users from inside any VST or MAS compatible sequencer.

D-coder has everything you need to create sophisticated vocoding effects, in one easy to use interface! The included polyphonic synthesizer, featuring that classic Waldorf sound, eliminates the need for external carriers. Integrated effects include 3-band EQ, Chorus and Drive. D-coder can be played from a MIDI track or in real-time from a keyboard. D-coder is so flexible, the synthesizer section can be played independently of the vocoder section! If you are using a VST 2.0 compatible sequencer, all LFOs can follow MIDI sync, allowing you to independently modulate the synthesizer and the vocoder in musically relevant values such as "8 bars".



### DSound VL2 Multichannel Valve Interface



The VL2 is an 8-channel virtual valve interface for mixing and mastering, adding the warmth and life of tube processing to any digital recordings. This Plug-In was developed by DSound as a direct result of the phenomenal growth in popularity of

affordable hard disk recording systems, to fix the sometimes cold and clinical sound of digital recordings with its unobtrusive processing. The VL2 is an elegant solution with a simple interface and a superior audio quality. The VL2 goes beyond the functionality of common valve interfaces by allowing you to control the amount of saturation with a single, finely tuned control. Each channel of the VL2 has unity gain – so levels are unaffected – but as each channel incorporates a valve stage, the audio signal benefits from the warmth of the finely modeled valve characteristics.

### Steinberg Surround Verb (For Nuendo)

TC-quality 5.1 reverb has been available to users of Steinberg's Nuendo for quite a while thanks to this plug-in's native version. Now this version adds Powercore support. Surround Verb features a graphic display for visualizing the reverb expansion in the virtual space, and a powerful algorithm core delivering dense and convincing state-of-the-art reverbs. The tail parameter offers the same flexibility as MEGA REVERB with 3-band control and adjustable crossovers. The additional EQ stage provides additional sound flexibility with its low and high shelving features.



- ◆ 4 Room Types: Hall, Horseshoe, Club, Room
- ◆ Power-panning for position in a room
- ◆ Discrete tail for each channel in a 5.1 setup



**ONE HOUR FREE PARKING**  
AT 349 W. 34th STREET (with purchase of \$100 or more)

## Optional POWERCORE PLUG-INS

### Sony Oxford EQs *EQ Suite*

*Sony Oxford EQs deliver an unparalleled quality and flexibility with very musical results and extremely low noise and distortion, below -130 dB. The EQ and Filters plug-in comprises out of 5 different sections including HF and LF selectable to shelf. Two additional HF and LF filters add to the power with variable slopes from 6 dB to 36 dB per octave. The models and technology of these plug-ins are based on the same as in the popular Sony Oxford consoles and Pro Tools plug-ins. The package includes different plug-in versions for greater DSP-efficiency. If you are looking for the ultimate in EQ, this is your solution!*

- ◆ Very musical results
- ◆ 24-bit/96kHz processing
- ◆ 4 EQ-style models for a maximum of artistic flexibility – from British to transparent
- ◆ Low noise and distortion (below -130 dB)
- ◆ HF sections are fully decramped
- ◆ A/B and selection between two complete sets of settings

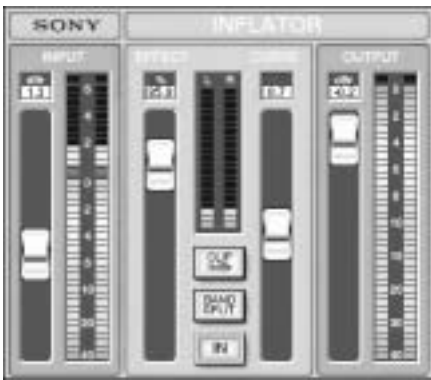


### Sony Oxford Inflator

#### *Tube Emulated Dynamics Processor*

*The Inflator is a unique process that can provide an increase in the apparent loudness of almost any program, without obvious loss of quality or audible reduction of dynamic range, yet avoiding damaging increases in the peak level of the signal. The Inflator process can also bring power, presence and warmth to program material and even provide headroom overload margin above digital maximum with a subtlety and musical character reminiscent of tube systems.*

- ◆ Increases the loudness of almost any program material
- ◆ Creates warmth, character and dynamic excitement, similar to that of analog systems
- ◆ Provides virtual headroom above digital maximum
- ◆ Creates artistic effects ranging from subtle tube-like harmonic characteristics for warmth, presence and 'in your face' fatness, to outright saturation distortion modeling
- ◆ 2 modes of operation for maximum flexibility, artistic creativity and optimal DSP usage



### Sony Oxford Dynamics

#### *Full Dynamics and Compression from the OXF-R3*

*Resulting from many years of research into professional dynamics applications, the channel dynamics offers separate Compress, Limit, Expand, Gate and side chain EQ functions, with full independent control of all parameters. Also separately included is a bus Compressor/Limiter which is fully surround multi-format compatible.*

*Features such as selectable time constant curves and variable soft compress functions allow you to confidently tackle all common uses of compression, from subtle level control and mastering functions to the production of great artistic effects. The use of a feed-forward architecture with logarithmic side chain processing ensures exemplary sonic characteristics and dynamic accuracy. This highly sophisticated and professional product has the power and flexibility to provide an artistic capability unavailable from other units, analogue or digital.*

- ◆ Channel Dynamics with separately controlled sections for Compressor, Limiter, Gate and Expander.
- ◆ Channel Dynamics includes fully featured 2 Band side chain EQ which can also be used in the signal path.
- ◆ All functions are fully automated.
- ◆ Separate Bus Compressor/Limiter with surround support and selectable Sub channel filtering and gain contribution control.
- ◆ Variable harmonic enhancement for extra loudness, presence and 'punch'.
- ◆ Fully variable soft ratio function for extreme program tolerance and highly musical compression.
- ◆ Selectable re-dithering function for word length reduction in mastering situations.
- ◆ Low noise and distortion (below -130 dB)



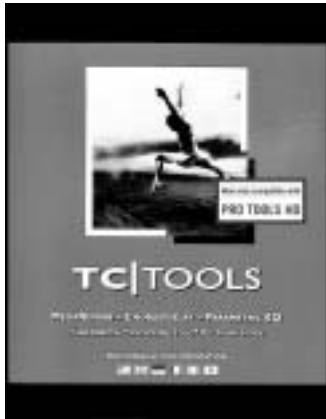
# TC WORKS

## TC|TOOLS 3.6

COMPUTER SOFTWARE

1154

### TDM Plug-ins

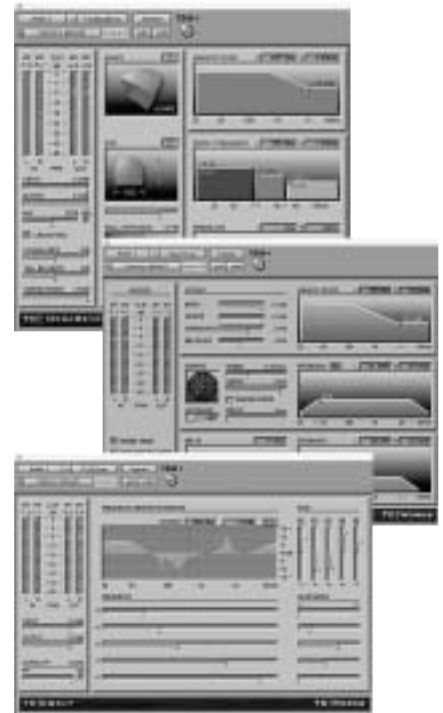


TC/TOOLS 3.6 includes the essential processing tools for your Pro Tools 24 Mix and HD systems including systems running on OS X and Windows XP. These include the powerful TC MegaReverb, TC EQSat and TC Chorus/Delay. Support is provided for sampling rates up to 96 kHz using HD systems.

TC MEGA REVERB's unique algorithms are based on years of ongoing research and the core flagship technology of the M5000. With even better diffusion, denser tails and more realistic room impressions than ever before, TC MEGA REVERB provides the ultimate reverb solution.

TC EQSat is a 5 band EQ with 3 parametric bands plus one Low shelf and one High shelf band. It is capable of boosting or cutting up to 18 dB. Naturally, bandwidth, frequency and gain are selectable per band. And what's more, the unique SoftSat circuit creates that warm, analogue sound whenever desired.

TC CHORUS/DELAY recreates the sound known from the classic TC 1210 Spatial Expander, creating unique images which are effective without sounding "overdone". This Plug-In allows you to create all sorts of different modulation effects like Chorus, Flanging, and Slap Delay with very flexible routing and filtering facilities.



## TC VOICE TOOLS Plug-in Bundle for Pro Tools 24 MIX Systems

TC VoiceTools is a dedicated all-in-one voice processing solution plug-in bundle featuring Intonator for pitch correction and Voicestrip for sound and dynamics adjustment.

### TC INTONATOR TDM

TC INTONATOR TDM fixes out of tune notes on the fly - by adjusting a few intuitive parameters, an otherwise great vocal performance can be brought into shape in realtime. A definable pitch "window" allows you to narrow or widen the re-intonation range, set scale and amount - done!

- ◆ Realtime pitch correction (maximum range  $\pm 400$  cent)
- ◆ Choose from major, minor, chromatic and manual and user definable custom scales
- ◆ Adaptive Lo Cut Filter: Automatically adjusts its frequency according to the material's shape
- ◆ Tune Parameter for adjusting the tuning reference
- ◆ Tune Reference Mode (keyboard acts as synthesizer)
- ◆ Extremely intuitive interface: very few parameters required to set up the process
- ◆ Up to instances per Mix DSP



### TC VOICE STRIP

TC VOICE STRIP includes all you need for voice sound processing: Compression, De-essing, a dedicated Voice EQ, Lo Cut Filter and Gate - that's total recall of your vocal processing sound! Thanks to our acclaimed SoftSat technology TC VOICE STRIP can even emulate the sound of analog gear, adding the highly coveted TC emulation of tube gear warmth and presence to your audio whenever required.

- ◆ All-in-one voice sound processing
- ◆ Single Band Vintage Compressor
- ◆ Level independent De-esser
- ◆ Dedicated 3-Band Voice EQ
- ◆ Switchable SoftSat saturation for analog emulation
- ◆ Gate and Lo Cut EQ
- ◆ All processes can be used simultaneously



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# TC WORKS

## TC NATIVE BUNDLE 3.0

*The TC Native Bundle 3.0 includes seven high-end processing tools for VST and MAS users that cover all needs for equalization, dynamic processing (including de-essing), reverberation, limiting and maximizing. Tools are heavily performance optimized, so they really work in your multi-track environment - without bringing the computer to its knees. Their intuitive user interfaces allow you to use them instantly. All of Native Bundle 3.0's plug-ins have been completely rewritten in order to achieve even better sound and system performance. They process you audio with 32-bit floating point accuracy, and support 24-bit/96kHz files. Compatible with Mac OS X, OS Classic and Windows.*



COMPUTER SOFTWARE

1155

### *Filtrator*

Synth style filtering-LFO Modulation, Envelope follower, SoftSat for vintage sound, and more...Filtrator underlines the creative possibilities with Native Bundle as its innovative controls support intuitive and fast effects design. Its Envelope Follower allows for classic Filter effects with the filter being modulated by the amplitude of the incoming audio signal. The LFO modulation is syncable to MIDI clock, providing easy synchronization for modulated filter sweeping. Furthermore, Filtrator includes 12, 18 and 24dB Slope, Lo and Hi Pass Types, a Separate Drive Section for Filter Distortion and a Saturation algorithm for a warm, analog sound.

### *Limiter*

A TC-quality single-band limiter, the Limiter is the power tool for limiting and maximizing your audio recordings. Adjustable Hold Time, Auto Make-Up Gain, a huge reduction meter and a level histogram, more punch and perfect levels turn this plug-in into the perfect tool for mastering. The histogram is a true eye opener: it displays the level distribution in your file before and after processing. You can even monitor the difference between input and output, so you get the feedback you need to ensure you don't apply too much processing! The histogram's scale is switchable between full dynamic range (-96 dB to 0 dB) and hi resolution for the more significant range (-24 dB to 0 dB).

### *Compressor*

In addition to standard controls like Attack, Release, Threshold and Ratio, the Compressor section features a Hold Time, Automatic Make-Up Gain and Soft Knee controls. These parameters allow you to "fine-tune" the sound characteristics of the compressor from "analog" to digital - and to adjust the overall behavior for processing a single track or mastering a complete playback. Make-Up Gain automatically brings peak levels up to 0dB.

### *De-Esser*

Most de-esser's operate with an "absolute" threshold, requiring you to send the signal in at an optimal level close to 0 dB. This makes working with heavily dynamic material and fades a nightmare, because all the sibilant, unwanted frequencies would suddenly reappear. With the TC plug-in, de-essing is level independent so you get optimal results — even at very low input levels, with highly dynamic material or in fade outs.

### *Reverb PLUS*

TC reverbs are the cornerstone of many professional recording studios. And the Native Reverb PLUS is no different. A successor to the original Native Reverb, the easy-to-use Reverb PLUS features an enhanced algorithm, new user interface with additional parameters to significantly extend the creative possibilities for creating convincing spaces, and over 100 new presets for a wealth of added flexibility.

### *Graphic EQ & Parametric EQ*

All the equalization tools necessary for recording, editing or mastering - and more. Innovative controls make using these two plug-ins an intuitive and creative experience. Both EQs also have the SoftSat advantage: a proprietary algorithm which generates that warm sound often associated with analog equipment. The key to a better sounding EQ.

#### **Parametric EQ—**

The Parametric EQ is a powerful 10-band EQ (7 fully configurable bands and 3 additional bands) controlled by a unique virtual joystick for simultaneous and fast treble and loudness control. The 7 bands can be assigned to work as Parametric, Hi/Lo Shelf or even Notch filters - and any combination of these. Split gain controls for left and right channels give you instant access for working on channels discreetly, or moving the frequency spectrum around in the stereo image.

#### **Graphic EQ—**

The Graphic EQ is a 28 band graphic equalizer with a unique graphic interface (touch screen) for intuitive access to the band gain controls - simply draw the desired frequency response onto the display with the mouse, and the EQ is set. Operate with full 28 or alternatively 14 or 7 bands. The bands can be grouped for even easier handling. The Master Fader is an additional tool for quickly adjusting the overall gain relations of complex EQ settings.

# TC WORKS

## SPARK XL

COMPUTER SOFTWARE



### *Realtime Digital Audio Editor for Mac*

*More than a classic two-track editor, Spark XL is a complete mastering and editing environment with a stack of powerful tools to get the job done. Spark represents a new approach to stereo-based audio editing, realtime processing, and mastering, featuring a unique Browser window, integrating Wave editing, project file management, and play list, all at once. SPARK XL also includes the FX MACHINE and all its plug-ins. The Browser View is used to edit a file, or build a play list, the Master View gives you Master Faders with highly accurate PPM level meters, phase correlation meter, built-in Dithering, and a realtime "FXmachine" with extensive routing capabilities. Up to 4 stereo streams with 5 plug-ins each can be routed and processed simultaneously. A histogram display visualizes the "level distribution" in your recording, for valuable feedback about the signal processing being applied, thus simplifying finding the right settings.*

### FEATURES

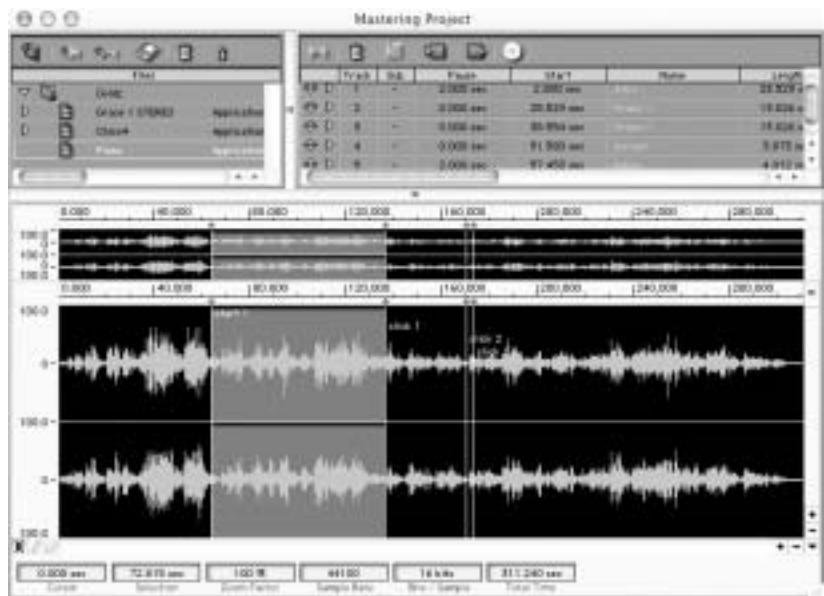
#### BROWSE

Thanks to SPARK XL's unique one window approach, you always keep the overview: The BROWSER VIEW integrates all aspects of editing into one window: Audio Database, Wave Editor and Play List.

The Database allows you to create a virtual view of all used audio material, and to store all project relevant information in one global Project file. Accessing files is instantaneous; the waveform overview is always displayed immediately in the editor. Import and export are a breeze – full drag and drop support allows importing files directly from the desktop and vice versa.

The Edit View features the waveform display with two views for details and overview. Separate Play and Edit cursors simplify the location in the file and the generation of Segments and Regions. Markers can be created on-the-fly, even during record, and a pad-lock function ensures they can not be moved by accident.

The Play List View provides a numerical play list for CD-preparation, complete with realtime Cut and Crossfade Editor. Multiple entries can be assigned to one index and the CD-Export saves the master into Roxio Toast and Jam compatible formats. The FX Machine's processing can even be applied to the Play List on export.



The realtime CUT & CROSSFADE EDITOR is accessible directly from the PLAY LIST and displays two transitions at the same time, with crossfades of unlimited lengths, different curves and even user presets. A temporary A/B memory allows to compare different settings for the same transition. Extensive preview and nudging features complete the picture.

Time Stretch processing can be performed in realtime, without affecting the pitch, and even accessible from the Play List, so the same take can be played at different speeds easily.

SPARK XL, our award-winning audio processing and mastering application, now features direct CD-Burning. Even complex Play Lists can be turned into a CD instantly, as crossfades and pauses are taken straight from Spark's Play List. Track indexes may be activated or deactivated per region - so several regions can be used to create one track without the need for any additional work or rendering.



EQUIPMENT LEASING AVAILABLE

1156

# TC WORKS

## SPARK XL

### General

- ◆ Record/playback up to 32-bit/192 kHz files
- ◆ AIFF, SoundDesigner (SD2), WAV Files and all file formats supported by QuickTime
- ◆ MP3 encoding
- ◆ VST-plug-in support
- ◆ Supports ASIO and DigiDesign Direct I/O
- ◆ Keyboard commands for all important functions like transport controls etc.

### Wave Editor

- ◆ Virtual File Engine with instant cut, copy and paste
- ◆ Single channel editing
- ◆ Multiple undo/redo
- ◆ Direct editing of split stereo files
- ◆ Markers (with "on-the-fly" creation, even during record)
- ◆ Off-line Processing: Normalize, change gain, DC Removal, reverse, sample-rate and bit-depth conversion and fades
- ◆ Off-line mode for VST plug-ins allowing for easy selection-based processing
- ◆ Info line with all important wave parameters at one glance
- ◆ Up to 40 realtime plug-ins during recording of files
- ◆ Drawing tool and eraser

### Play List

- ◆ Linked to file database
- ◆ Plays up to 2 stereo tracks simultaneously
- ◆ Realtime crossfades
- ◆ Cut/Crossfade Edit Dialog: Extensive editing and nudging controls

### Batch Converter

- ◆ Process loads of files in one go
- ◆ Off-line Processes: Format, bit-depth, sample rate, channels, DC removal, normalize and dither

### Sampler Support

- ◆ AKAI S1000/1100 and 3000 series, EMU ESI and E4 series, Kurzweil K2000 and 2500 series, Roland S760, Yamaha A3000, EX5, EX7, EX5R, SY85, SY99, and any samplers supporting the SMDI protocol
- ◆ Reads AKAI S1000 format CD-ROMs

### Master View & FX Machine

The FX Machine is part of the Master View, Spark XL's second main window with all the master controls and FX-routing matrix. Everything you need for processing at a single glance! This extremely flexible FX-routing matrix is a creative power tool with endless possibilities for creative realtime sound manipulation, sound design and of course mastering processing. The Matrix size is freely adjustable, so you can create whatever size you need... your CPU power is the only limitation.

Of course, SPARK XL utilizes the FX Machine's realtime effects. But for detailed section edits, the offline processes come in handy. They cover all the basics like Normalize and Remove DC but there's more: You can apply any VST plug-in offline as well. Additionally, Pitch Shifting and Time Stretching allow for speed and pitch adjustments. Time Stretch is also available in realtime.

### Bundled with over 20 Plug-in (VST Compatible) Including:

- ◆ Metergraph and Sonograph Analyzer plug-ins let you easily check your material. The Sonograph provides detailed information on the material's frequency distribution. Issues like 15 kHz monitor hum become visible instantly.
- ◆ DeClick removes vinyl/digital clicks and crackle – the process is fully automatic and requires only 2 parameters for fine-tuning. An Audition function provides optimal monitoring possibilities. The Click/Crackle parameter can be automated so the algorithm checks the material for the characteristics of the artifact and adjusts the setting without user interaction.
- ◆ Denoiser is optimized for broadband noise and utilizes a fingerprint method, so it is easy to control the behavior. Three parameters are required to fine tune the denoising process. Audition function ensures that only noise is removed, not your material.



- ◆ TC Native Bundle cover all your needs for pro-equalization, dynamics processing and reverberation:

- DeX compressor and de-esser
- EQ-P 10-band parametric EQ
- EQ-G 28-band stereo graphic EQ
- Native L and Reverb: mastering limiter and award-winning TC-reverb

### QuickTime Movies

Spark XL loads QuickTime movies and splits the audio off for editing. This way, mastering jobs for QuickTime movies become a breeze. Spark XL supports all file formats compatible with QuickTime including MPEG-4.

### TDM Master

Spark XL comes with an additional MasterView for TDM plug-ins. You can use native and TDM plug-ins in the same audio stream! And with the Direct Connect, you can run Virtual Instruments in Spark XL, then stream the output directly into your simultaneously running Pro Tools.

### MegabitMAX

MegabitMAX is a novel Word Length Reduction technology developed for high-end audio mastering. MegabitMAX is created for applications that demand the highest level of detail resolution from audio master. MegabitMAX is an excellent solution for recordings with high dynamic range, such as classical, jazz, film music, etc.

Unlike the noise of other word length reduction systems, the dither noise of MegabitMAX is not disturbing to the human ear. It has natural spectrum across the audible frequency range, so users can describe the sound as "vinyl-like" and "analog". While preserving the finest detail of your high-resolution master, the dither noise of MegabitMAX has very small amplitude, so it won't present any problems for post-processing/duplication equipment. MegabitMAX is completely optimized for 44.1 kHz and higher (96 kHz, 192 kHz...) sampling rates.

# ULTIMATE SOUNDBANK

## PLUGSOUND

### *Virtual Sample Library and Instrument Plug-ins*

*Plugsound unites two previously unrelated tools, and simplifies your music day after day. It is the result of two worlds merging into one: a professional sound library meets a virtual instrument. As a result each Plugsound consists of two elements on your hard drive: a plug-in and a sound library data file. United by the revolutionary UVI-Engine, Plugsound is a first-of-its-kind sample based series of virtual instruments designed to provide easy, flexible access to massive sampled sound banks.*



#### *The Plug-in:*

Identical in every volume of the series, the Plug-in is a sample-playback virtual instrument powered by the enormously powerful UVI-Engine. The UVI-Engine is used in many great products like Spectrasonics Stylus, Atmosphere and Trilogy. Plugsound provides you with essential and useful synthesis tools:

- ◆ MIDI control of every knob and slider on the interface via standard MIDI continuous controllers.
- ◆ Two resonant filters, one Multimode, and one switchable between HPF and LPF called the UVI filter.
- ◆ ADSR-type Amplitude and Filter envelopes. The Multimode Filter has an envelope amount knob.
- ◆ Reverb' module with 3 knobs to set the time, the high damping and the reverb' mix
- ◆ Mono Mode with a glide time knob. This provides the most realistic mono-legato you've heard on a virtual synth.
- ◆ One LFO that can be used for tremolo, auto pan etc. This is in addition to the integrated LFO that provides the modulation you expect when using a Mod wheel.

#### *The Sound Library:*

This is what differentiates each volume, otherwise identical. Each volume comes with a "data file" full of multisampled presets that are easily accessed through the interface of the plug-in. No mess on your hard drive, just the two files. Plugsound is supplied on a CD-ROM and the data files are between 540 and 660 MB in size. This is roughly ten times more waveforms than even the most recent synthesizers. Enough to offer the most in-depth exploration of a given instrument that a tone module has ever done.

Each Plugsound volume is a virtual instrument based on a professional sample library, available as a VST2 plug-in (Mac-PC), as well as a MAS and RTAS plug-in on the Mac. If you're on PC you'll need Cubase, Logic or another VST2 compatible sequencer. Owners of Sonar should use DirectiXer to use Plugsound. On Mac, any VST2 program like Cubase or Logic, but also Pro Tools and Digital Performer can enjoy Plugsound.

### *Plugsound Volume 1: Keyboards Collection*

The Keyboards Collection features acoustic pianos in classical, jazz and pop styles, and alternative sounds like honky-tonk and detuned. It also features a best-of selection of famous "suitcase-style" electric pianos from the most respected manufacturers of these bygone instruments. A wealth of clavichets, electric organs and synth-based keyboard sounds complete the modern part of the collection. Featured traditional keyboard instruments include church organs, accordion, celesta, vibraphone, music box and xylophone. Finally, an extensive Harpsichord section benefits from the "Release Trigger" feature that allows a realistic recreation of this difficult instrument. (Synth sounds can be found on Plugsound Volume 5.)

Keyboard instruments may seem simple to reproduce in a library, but that's only true when you let each preset consume hundreds of MBs, and even that doesn't guarantee a better sound. Plugsound's sound design team went out of their way to ensure that all instruments use the amount of RAM they need, and no more. Why create a 200 MB Piano if you can achieve a better sound with 96 MB? In return, this extra work allowed the team to include more sounds in the 650 MB sample library, and make sure that this collection is as complete as possible.

### *Plugsound Volume 2: Fretted Instruments*

Fretted Instruments kicks off with an acoustic guitar section. It includes a Nylon guitar custom-made by acclaimed maker Gerome, and a wonderful "Spanish-style" nylon guitar. Moving on, numerous steel string guitars like a 12-string and several 6-string acoustics (from makers like Guild, Martin, Gerome and Maruha) are featured. Many Dobro and Bottleneck presets add their unique color to the acoustic section.

The electric guitar section packs several clean Strat sounds through D.I. or amps like Jazz Chorus or Twin reverb. The D.I. presets are especially handy if you own an amp modeling effect plug-in. Distorted Strat is included too, captured with the ubiquitous SM57. The Gibson Les Paul is next, sampled through several different amps. The electric section provides the Gibson 335, Jazz guitars, muted playing style guitars and more. The bass section starts with an awesome selection of Double Basses. A wide range of electric basses are covered, both fretted and fretless, including all the classic instruments like Jazz Bass, and many others, covering all current styles. 'Ethnic' section includes a great selection of rare multisamples like Banjo, Mandolin, Celtic guitar, Lute, Sitar (and electric Sitar), Baglamas, Bozouki, Jubus, Oud, a Lute from Morocco, Saz and Tzouras.

# ULTIMATE SOUNDBANK

## PLUGSOUND

### *Plugsound Volume 3: Drums & Percussion Elements*

A superb collection of 5000 drum sounds noted for their versatile and professional characteristics. Acoustic Drum kits are sorted by style: Jazz, Natural (Brushes and Hot Rods), Raw (for pop and rock) and Treatment (distortion, gate and spring reverbs). Next comes the electronic drum section. The first folder offers a selection of sounds sorted by the machines from which they originate—from the 70s to the 90s there aren't many missing boxes. All the classics are there, and many forgotten models as well! The Stylistic kits offer another wide selection of electronic drums which are not so instantly recognizable, and are sorted by style rather than by machine: drums for Dance, Electro, Groove, House, Techno, Trash, Jungle, Disco, Lo-Fi, Vinyl, more.

With so many presets available, emphasis was put on the ease of use. This is why each drum sound is accessible in the three following ways:

- ◆ As part of a GM-compatible drum kit.
- ◆ In a drum-specific program, e.g. 61 snare samples mapped on the keyboard.
- ◆ In a unique "Element" folder allowing quick auditioning of every drum sound in the library simply by browsing presets one by one while your existing sequence plays.

To complete this rhythmic arsenal, an extraordinary percussion selection is provided. It features more than 60 different instruments such as Congas, Djembe, Bongos, Shakers, Triangle, Tambourine, Castanets, Windchimes, Clave, Darbuka, Woodblock, Timbales, Rainstick and many more. Most have velocity switched presets for added realism. The percussion is also used in GM compliant "drum and perc" presets.

### *Plugsound Volume 4: Hip Hop & R'n B Toolkit*

This virtual instrument offers the most complete sonic arsenal for Hip Hop, R'n B and New Pop/Rock productions. It's made of more than 600 presets using 1,500 samples. Though created by Hip Hop and R'n B artists, this library offers sounds that will be useful to composers working in many modern musical genres.

The first section features "construction kits" of the latest styles: Timba-style, Funk Mood, Talk-boxed, M&M, Pure R'n B, Hip Hop. The next section offers drum loops sorted by tempo, instrument phrase combinations, single phrases mapped to the entire keyboard for easy transposition (Bass, FX, Guitar, Hits, Keys, Synth), Vinyl Sounds, Bases (phat, R'n B), Keyboards, Guitars, Synths, Bass/Synth splits, Vinyl FX, Drum Kits, and sorted Drum presets. This last section features the most powerful R'n B style drum selection on the planet—the real, heavy stuff!

### *Plugsound Volume 5: World of Synthesizers*

512 patches, over 600 MB of sounds, a huge collection of retro and modern synth sounds. The focus of this collection is to offer presets based on a very wide variety of analog, digital, virtual analog and plug-in synthesizers. World Of Synthesizers focuses on real synth sounds taken from a range of essential machines, from expensive workstations to specialized sound modules. It gives this collection a variety of textures and patches unrivalled by most hardware modules. When compared with recent sample-based sound modules, this Plugsound is the equivalent of having a synth with over thirty expansion cards! But this is only the beginning.

Synth categories offered in the library include Composites (stacks), Flutes, Voices, Tines & Bells, Bases (Acid, Analog, Disco/House, Garage, Electropop, Hip Hop/ R'n B, Sub, Techno), Pads, Soft Pads, Filter Sweeps, Analog Brass, Leads, Organs, Piano-like, Textures/FX and Short-Reso.

### *Plugsound Volume 6: Global Collection*

The latest and greatest General-MIDI tone module is here! In fact, Plugsound is more than that. It's the next generation of sound module, leaving its hardware counterparts in the dust. Most musicians will find this Plugsound invaluable. It provides a realistic and contemporary library designed to replace yesterday's cheesy GM players, whether software or hardware, with a high-end, professional sound. Fire up Plugsound Volume 6 and suddenly the music you thought dated sounds wonderful! It is also a dream come true for facilities that want to be compatible with musicians without investing in bulky and dated hardware, just for the sake of playing back a few sounds on a session. Finally it will allow musicians who work via the Internet to have an inspiring reference library instead of having to settle for the lowest common denominator.

Global collection faithfully follows the GM standard for sound classification. The Acoustic and Electric Piano category is first, followed by Pitched Percussions, Organs, Guitars, Bases, Strings, Ensemble Sounds, Brass, Reeds, Pipes and so on. The collection then moves on to Synth Leads, Pads and Composites, followed by Ethnic, Percussive and Sound Effect categories. Volume 6 also offers another 128 presets consisting of light versions of the original 128 GM presets. Finally, 7 GM drum kits are supplied, followed by 7 light versions. Most categories feature exceptional samples, including those difficult to get orchestral sounds that are particularly good in this global collection. The keyboards, drums and guitars are also outstanding



## PLUGSOUND BOX

### *Complete Bundle of Plugsound Instruments*

*Plugsound Box regroups the six individual plug-ins, allowing musicians to access the entire sound library at once, a whooping 3.56 GB of sounds in total. Plugsound Box is a simple to use and CPU-efficient plug-in collection.*

# UNIVERSAL AUDIO

## PRO TOOLS PLUG-INS

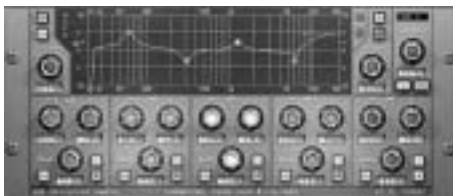
COMPUTER SOFTWARE

1160

Universal Audio's line of plug-ins, the spot-on digital recreations of the LA-2A, 1176LN, Cambridge, DreamVerb Reverb and Pultec EQ, were previously only available for the UAD-1 card, but are now available for Pro Tools/HD and Pro Tools 24/MIX systems.

### Cambridge EQ

When the engineers at UA set out to create the ultimate EQ, they didn't compromise. The algorithm was designed from the ground up to emulate the response of a high-end analog EQ. The result is Cambridge, which boasts five bands of switchable parametric or shelving EQ and two comprehensive high and lowpass filters, including brickwall elliptical filters. Advanced editing features include graphical frequency response curve with zoom controls for fine adjustment, as well as adjustment of the gain, Q, and frequency of each band on the graphic display. A/B switching is also included for easy comparison of two settings. All these features allow the Cambridge EQ to handle every EQ'ing chore, from the subtleties of mastering to radical tone shaping.....**00.00**



### Pultec EQ-P1A

A faithful electronic reproduction of the classic hardware equalizer.



The Pultec EQ has long been a choice of recording and mastering engineers for its ability to bring out individual frequency ranges without significantly altering other frequencies. In addition, the Pultec is one of those magical pieces of gear that makes audio sound better - just by passing through it. The sophisticated modeling technology used in the Pultec EQP-1A plug-in captures both of these key characteristics.....**00.00**

### 1176LN Stereo Compressor

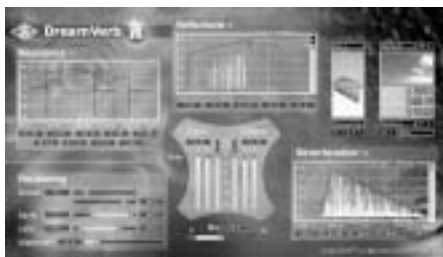


An analog classic that is well known throughout the audio industry. Designed and built during the 1960's, the 1176LN

was the first to use a field effect transistor (FET) as a voltage controlled variable resistor, and that innovation was the key to the product's unique character. An in-depth analysis of the 1176LN's "personality" allowed Universal Audio to methodically reproduce those results within a plug-in architecture, and now offer that same character to Pro Tools TDM HD and Mix Systems.....**00.00**

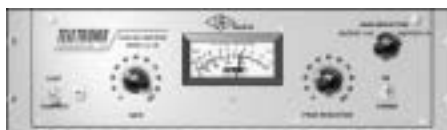
### DreamVerb Reverb

DreamVerb, Universal Audio's flagship stereo reverb plug-in, draws on the unparalleled flexibility of RealVerb Pro. It's intuitive and powerful interface lets you create a room from a huge list of different materials and room shapes. These acoustic spaces can be customized further by blending or "morphing" the different room shapes and surfaces with one another, while the density of the air can be changed to simulate different ambient situations.



DreamVerb also features a flexible 5-band active EQ and unique level ramping for the early and late reflections for ultra-realistic dynamic room simulation. And with Universal Audio's proprietary smoothing algorithm, all parameters can be adjusted in real-time with no "zipper-noise" or audible artifacts. From a vibrantly dynamic room to a rich, deep cathedral, DreamVerb is the reverb of your dreams.....**00.00**

### LA-2A Leveling Amplifier



The Teletronix LA-2A leveling amplifier is practically the

definition of vintage audio gear. The original opto-electrical attenuator circuit is responsible for the incredibly rich and magic sound embracing the tracks of so many classic recordings in circulation today. In an effort to bring this product and its character into the world of DAWs, Universal Audio studied not just the sound, but how each and every component interacted and behaved under a full range of studio conditions. The word, "emulation", hardly does this plug-in justice. It is in fact a digital copy of the LA-2A, and upholds all the classic, analog characteristics of the original with unprecedented clarity and sound quality.....**00.00**

### BUNDLES:

Since you'll discover that owning only one of the finest plug-ins for TDM is not enough, Universal Audio offers plug-in bundles for a substantial savings.

- Compressor Bundle** (LA-2A and 1176LN)
- EQ Bundle** (Cambridge EQ and Pultec EQP-1A)
- Studio Bundle** (Compressor and EQ Bundles)
- Super Studio Bundle** (Studio Bundle plus Dreamverb)



EQUIPMENT LEASING AVAILABLE

# UNIVERSAL AUDIO

## SMARTCODE PRO — DOLBY DIGITAL OR DTS

### Software Surround Encoders for Pro Tools (AudioSuite)

No surround production is complete without encoding. And in a busy production facility, efficiency is critical. SmartCode Pro streamlines the surround sound production process. By encoding in 5.1 within Pro Tools, your facility avoids the bottleneck of dedicated hardware encoders which saves you both time and money.

SmartCode Pro comes in three versions to accommodate the two most widely used surround formats: Dolby Digital and DTS. All three versions are AudioSuite software programs that allow Pro Tools users to preview their 5.1 surround mixes in real time 5.1, then encode and decode the mix to create a 6-channel surround master.



COMPUTER SOFTWARE

### FEATURES

#### One Step Encoding

All three SmartCode products allow you to create encoded files ready for DVD production or CD playback directly from Pro Tools. To create an encoded file in SmartCode Pro/DTS or SmartCode Pro/Dolby, select the six Pro Tools tracks that comprise your surround mix—then press the “Encode” button to create your new .dts or .AC3 file.

#### Preview Your Mix

There is simply no easy way to preview a complete surround mix outside the studio. With SmartCode Pro/DTS-CD (included with the full DTS encoder), you can make a preview CD that will play on any CD/DVD system equipped with a DTS decoder. Even if the project is destined for Dolby Digital, you’ll love this valuable tool for providing a quick and cost-effective way to test your surround mix.

#### Smartcode Pro Dolby

- ◆ Encodes Dolby Digital (AC3) surround format
- ◆ Includes right to use Dolby logo on encoded material
- ◆ Complete integration with Pro Tools
- ◆ One button to launch encode process
- ◆ Supports all Dolby Digital bit rates
- ◆ Supports all surround modes including 5.1, mono, stereo, LCR, LCRS, 5.0, etc.
- ◆ Flexible channel/track assignment
- ◆ Pre-processing options include Low-pass, LFE low-pass, DC filter and 90° phase shift
- ◆ Selectable 3dB attenuation option for surround channels

#### Smartcode Pro DTS-CD Smartcode Pro DTS-DVD

- ◆ Right to use DTS logo on encoded material
- ◆ Complete integration with Pro Tools
- ◆ One button to launch encode process
- ◆ Supports 44.1 (DTS-CD) and 48 kHz/24 bit audio files
- ◆ Flexible channel/track assignment
- ◆ LFE encoding option
- ◆ Rear channel attenuation option
- ◆ Supports HDCD (High Definition CD) flag

## VIRSYN TERA

### The Next Generation of Software Synthesis

Tera is a modular software synthesizer based on five different synthesis technologies including the revolutionary “Spectrum Synthesis”. This synthesis allows the creation and manipulation of resonant bodies with up to 128 formant frequencies. The innovative user interface of TERA sets a new standard in design and functionality. This simplifies the access to the huge sound space of its predecessor. The classical modulation matrix together with a simple method for patching modules with virtual cables makes operating the modular system of VirSyn TERA as easy as other synths with a fixed structure. The integrated step sequencer is pattern/song oriented and can even be used in a VST host environment.



1161

# WAVE MECHANICS

## PITCHDOCTOR

COMPUTER SOFTWARE

1162



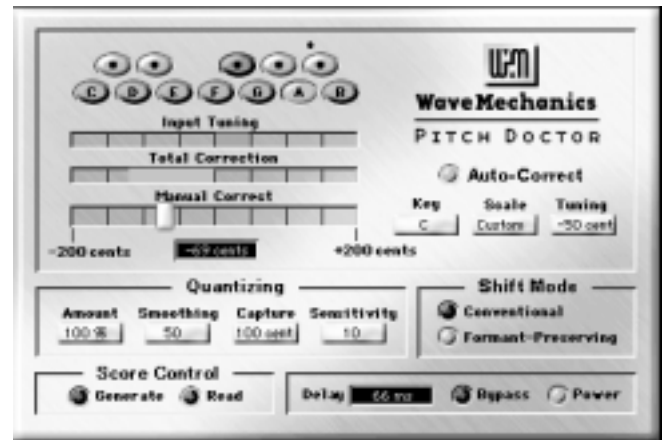
### Formant-Preserving Automatic Pitch Corrector

*PitchDoctor is a realtime, fully automatable TDM-based plug-in that combines ultra-smooth pitch-shifting with an advanced intelligent pitch analyzer for pitch correcting out-of-tune vocals and solo instrument performances. When an out-of-tune performance is a problem, PitchDoctor is nothing less than a session-saving miracle. Simply enter the desired key and scale, and Pitch Doctor automatically adjusts the intonation of any out-of-tune notes. Because Pitch Doctor is the only intonation correction plug-in with total automation and PurePitch's formant-preserving quality (no chipmunks!), it's the only choice for truly challenging correction work. And it's only available for Digidesign's TDM hardware system.*

#### FEATURES

- ◆ Automatically adjusts the intonation of any out-of-tune notes to a preset or user-defined key and scale in realtime.
- ◆ Full automation capabilities (Pro Tools 4.0 or later) allows key, scale, and scale customizations to be changed mid-track.
- ◆ Score Control allows you to specify the correct melody to which Pitch Doctor will correct pitch. The score editing feature works seamlessly with ProTools automation editor, allowing easy, and intuitive editing of the desired musical score.
- ◆ On-screen keyboard displays an editable musical scale for correcting pitch as well as a visual readout of the detected note.
- ◆ Guide Track works in with score generation to allow any instrument to be used to create a score to guide PitchDoctor through the pitch correction process.
- ◆ Pitch Quantizing controls including pitch correction amount, smoothing, capture range and sensitivity can be used to fine tune the pitch correction process.
- ◆ Shift Mode uses PurePitch's formant-preserving quality to eliminate 'chipmunk' effect and give PitchDoctor a wider usable pitch shift range.
- ◆ In addition to automated pitch correction, Pitch Doctor provides a large, high-resolution pitch correction fader. The manual correction fader can either be used alone, or in conjunction with the automatic pitch correction mode. Data is easily editable in Pro Tools' automation window.

Pitch Doctor's on-screen keyboard displays the musical scale used for pitch correction, allowing easy scale customization while also providing a visual readout of the detected note. Since Pitch Doctor is fully automatable, the key, scale, and even scale customizations may be changed in mid-track.



### UltraTools — The Complete Bundle



Now get all four Wave Mechanics plug-ins in one convenient bundle. Three of the processors, PitchDoctor, PurePitch and SoundBlender are some of the most powerful and DSP-intensive plug-ins available for TDM and feature full realtime controllability as well as complete automation capabilities within ProTools 4.0 or later. The fourth processor, Speed uses the AudioSuite environment and is therefore compatible with all levels of Pro Tools including Pro Tools LE and even Pro Tools Free.



[www.bhphotovideo.com](http://www.bhphotovideo.com)

# WAVE MECHANICS

## PUREPITCH



### Formant-preserving Pitch Effects Processor

A high quality TDM-based plug-in designed to accomplish natural-sounding pitch-shifting in real-time, PurePitch has become the standard for its high-quality pitch alteration and unique vocal-processing effects. Using PurePitch, you can easily create realistic harmony parts from a lead vocal or instrument, deepen a vocal part without changing its pitch, or add vibrato to a flat performance. For voice-over work, PurePitch can be used to alter the formants and pitch inflections of a speaker, producing subtle character alterations, or more extreme gender and species morphing effects. PurePitch includes over 50 preset patches for music production, sound design, and post-production. And since it is a realtime plug-in — as soon as a knob is tweaked you'll hear its effect. PurePitch is even automatable under ProTools 4.0 or higher so you can edit harmonies to create a virtual background vocal section or

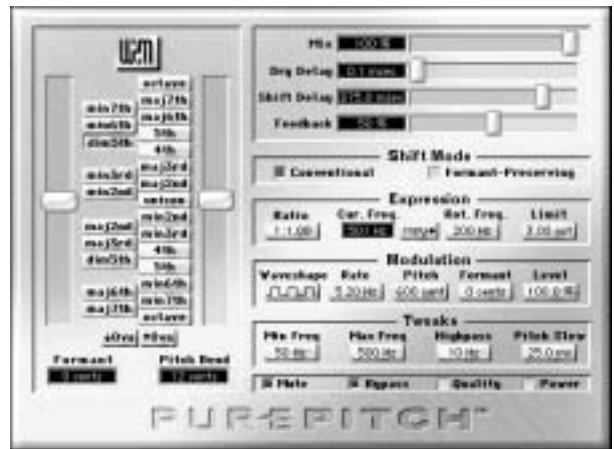
morph parameters through extreme sound transformations. And it's only available for Digidesign's TDM hardware system.

COMPUTER SOFTWARE

1163

### FEATURES

- ◆ Pitch Control Panel uses a keyboard display with interval indicators for selecting vocal harmonies. This allows you to create musically useful harmony vocals without another singer. All harmony intervals can be easily recorded and edited using Pro Tools automation.
- ◆ The Pitch Bend slider alters the amount of pitch shift in cents (100 cents = 1 semitone) and can be used for double tracking or detuning a track.
- ◆ Vocals can be pitch shifted without affecting their formant structure — the natural resonances that make voices unique.
- ◆ The Formant slider can be adjusted in small amounts to create subtle double-tracking effects, in larger amounts to deepen voices or for gender bending effects or at the most extreme warp voices for animated 'chipmunk' and 'alien' effects.
- ◆ The formant amount can even be automated to morph vocal characteristics in realtime.
- ◆ Mixer Control Panel — Provides control over Wet/Dry mix, Dry delay time and pitch shifted delay time with feedback control.
- ◆ The Modulation Control Panel allows you to apply an LFO (Low Frequency Oscillator), with a choice of 6 waveforms and a variable rate control, to modulate pitch shift amount, formant amount and amplitude.
- ◆ The Shift Mode Control Panel allows you to select between conventional or formant preserving pitch shifting.
- ◆ PurePitch's exclusive Expression Control Panel allows you to dynamically compress or expand the pitch envelope of vocal tracks. This enables the emotional content of dialogue tracks to be modulated, in subtle, or not-so-subtle amounts. The more the track is compressed, the more monotone it becomes. (Adding expansion increases expressiveness).
- ◆ Tweaks Control Panel — helps optimize the quality of pitch processing by offering control over minimum and maximum frequency ranges, a Highpass filter and a Pitch Slew (portamento) control adjustable in ms.
- ◆ Includes over 50 preset patches for music production, sound design, and post-production — Vocal Harmonizing, Chorus and Doubling, Tremelo & Vibrato, Dialogue Enhancement, Vocal Transforms for game designers, animated characters, and sound design, Spacey Delay Effects, Wacky sound design effects.



### Create Bizarre, Unheard-of Effects

- ◆ With its built-in digital delays, multi-waveform LFO, and pitch, formant and amplitude modulation, PurePitch is a veritable cornucopia of new and fantastic designer sounds. But you don't need to be a sound designer to use PurePitch - they've included dozens of hand-crafted effects.
- ◆ Perfect for game designers, animated characters, and sound design.
- ◆ One-hundred percent real-time.
- ◆ Uses one DSP chip for each channel of pitch processing.
- ◆ Automation of all parameters

ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com



# WAVE MECHANICS

## SPEED

COMPUTER SOFTWARE

1164



### Time Compression/Expansion for AudioSuite

*Speed is an AudioSuite plug-in that allows you to change the tempo of audio tracks without affecting pitch, transpose pitch without affecting tempo or even alter tempo and pitch simultaneously. Speed works equally well on drum tracks, single instruments and even entire mixes — processed audio tracks are free from unwanted artifacts while transients and rhythmic consistency are preserved. Speed is perfect for time conforming commercial spots and is the ideal tempo and pitch matching utility for today's loop-based music productions. Available by itself or as part of the UltraTools bundle for Mac and Windows XP.*

- ◆ Alter tempo from half-speed to double-speed, transpose pitch over a two-octave range ( $\pm 1200$  cents) without distortion
- ◆ Maintains phase synchronization between left and right channels when processing stereo tracks
- ◆ Compatible with Digidesign's AudioSuite native plug-in format — no TDM hardware required
- ◆ Preview tempo and pitch changes in real-time before committing the changes to disk (CPU dependent)

#### Simple Control Panel

- ◆ The Simple control panel provides straight forward tempo and pitch knobs adjustable in different units — percentage of tempo, length, pitch in semitones, cents, or frequency ratio

#### Graphical Control Panel

- ◆ The Graphical control panel works just like ProTools automation, letting you draw time-varying pitch and tempo changes using a waveform/timeline graph
- ◆ Effects created in the graph mode can be saved as a preset



#### Calculator Control Panel

- ◆ Makes it easy to transform any tempo, length, or musical key to any other. Values for the original, modified and change for Tempo/Length and Key are clearly displayed.
- ◆ Tempo and Length calculators control speed without affecting pitch and the Key calculator transposes pitch without affecting Tempo/Length.

### Sound Toys – FilterFreak

*FilterFreak is an analog-modeling filter plug-in that takes a truly musical approach to creative sound design. Though it was inspired by studio filtering boxes like the Mutronics Mutator and the Sherman FilterBank, FilterFreak goes far beyond what any of those boxes are capable of.*

- ◆ The super-steep 48dB per octave analog modeling filter features variable filter slope, resonance and filter shape, allowing you to create nearly any filter character - from smooth and gentle to aggressively resonant.
- ◆ Overdriving the input or output stage allows you to achieve an even dirtier sound.
- ◆ The modulation section offers five different modulation sources for creating radical filtering effects. These include: Tempo-locked LFO, Envelope Follower, Random LFO, ADSR, and Triggered Random Stepper.
- ◆ User programmable waveshapes, programmable rhythmic patterns are also provided.
- ◆ All of this flexibility is available with a user interface that is as familiar and intuitive as an analog compressor or EQ.
- ◆ Support is currently provided for RTAS, HTDM and AudioSuite plug-in formats.
- ◆ Keep an eye out for seven more plug-ins over the next several months.



# WAVE MECHANICS

## SOUNDBLENDER



### *The Ultimate FX Processor for Pro Tools*

*SoundBlender is a TDM-based plug-in that combines classic hardware effects such as pitch-shifters and digital delays with the resonant filtering, arpeggiation and modulation capabilities of analog synths to produce thousands of never-heard-before signal-processing effects. SoundBlender is broken down into two distinct realtime plug-ins — PitchBlender and TimeBlender each with their own effects-processing modules with a unique Tri-Modulation Matrix and Tempo-Based control. Hundreds of pre-programmed patches are included ranging from subtle choruses to radical over-the-top sonic experiences. Available by itself for the Mac or as part of the UltraTools 2.0 bundle for Mac and Windows.*

### FEATURES

- ◆ BPM Control synchronizes delay and modulation effects to the tempo of your song.
- ◆ Three modulation sources can be mixed and routed to any of dozens of effect parameters.
- ◆ The available modulation types include — LFOs, Random, Triggered, Toggled, Envelope Detector or Gate
- ◆ Variable Soft-Clipping algorithm adds the warmth of analog saturation to any signals boosted beyond the digital signal range.
- ◆ Sidechain input lets you trigger the input source with any of the modulators and can be used to synchronize triggered effects to a rhythm track, or to create ducked effects.

#### *Pitch Shifter/Pitch Mapper*

- ◆ Pitch-shift range of  $\pm 2400$  cents (2 octaves) can be used to create anywhere from traditional chorusing, double-track effects and harmonies to abstract arpeggiations and wild pitch modulation. Each pitch-shifter has its own pan and level control and can be modulated by the modulation matrix.
- ◆ Pitch Mapping is an intelligent harmony and arpeggiation feature that detects the pitch of the input signal, and dynamically adjusts the pitch shift interval depending on the selected scale, key and pitch shift interval.
- ◆ Pitch Map parameters let you use a chromatic instrument (piano), and map it through one of 21 western and ethnic scales.
- ◆ Any modulation source may be used to control the pitch-shift interval to create interesting in-key arpeggiation and randomized harmony effects.

#### *TimeBlender*

- ◆ TimeBlender is a two-channel effects processor that combines two reverse pitch-shifters with two delays, two filters, and a feedback mixer.

#### *PitchBlender*

- ◆ PitchBlender is a two-channel effects processor that combines two pitch-shifters, two digital delays, two filters, a mixer and a signal flow/feedback matrix.



#### *Delays*

- ◆ The two Digital Delays can be controlled in either time (up to 1000ms) or beats.
- ◆ Each delay has its own pan and level control and can be controlled by the modulation matrix.

#### *Filters*

- ◆ Each of the two Filters has an adjustable center frequency and resonance (Q) control and can be configured as a lowpass, highpass, bandpass or notch filter. The center frequency can be modulated by the modulation matrix.

#### *Signal Flow Parameters*

- ◆ There are four selectable algorithms that allow you to re-wire and modulate the effects-processing modules in a variety of useful configurations.
- ◆ The relative feedback level for channel 1 and 2 can be adjusted as well as blended and crossfaded for creating dense chorus and reverb-like textures
- ◆ Filter effects can be assigned to any location in the signal chain.

#### *Reverse Pitch Shifting*

- ◆ Reverse pitch shifting with a range of  $\pm 2400$  cents (2 octaves) samples sections of the input audio (up to 1000ms) and plays it backwards mimicking backwards tape effects
- ◆ The two Digital Delays can be controlled in either time (up to 1000ms) or beats
- ◆ Each Reverse Pitch Shifter has its own pan and level control and can be modulated by the modulation matrix.
- ◆ The relative feedback level for channel 1 and 2 can be adjusted as well as blended and crossfaded for creating dense chorus and reverb-like textures.

#### *Presets*

- ◆ Bundled with hundreds of presets hand-crafted by audio professionals. Includes stereo detuning, intelligent pitch-shifting, diatonic arpeggiation, ducked delay effects, envelope filtering, auto-panning, tremolo, flanging, chorus, reverse pitch-shifting, and much more.

# WAVES

## NATIVE POWER PACK / TDM BUNDLE

COMPUTER SOFTWARE

1166



### Plug-in Software Bundles

You need pro-audio equalizers, compressors, reverbs, dynamics, multi-tap delay, mastering processors and more to make your productions the best they can be. They're all here. Waves' Native Power Pack and TDM Bundle are complete software bundles of audio processing essentials.

Designed for musicians in mastering, remix and restoration applications, they are also ideal for those creating multimedia titles, authoring audio for the web, or designing sound for games. Everything you need to process audio is provided, so you can finish an entire project without requiring any other plug-ins.

The high-quality plug-ins bundled in the Native Power Pack and TDM Bundle include the famous TrueVerb virtual-space reverb, the "Swiss-army knife" Q10 equalizer, C1-compressor and C1-gate, the incomparable S1-Stereo Imager, and of course, the essential L1-UltraMaximizer mastering peak limiter. Together, they let you shape your audio with precision and creativeness.

The Native version supports RTAS, AudioSuite, VST, MAS and DirectX formats on Mac and Windows with sample rates up to 88.2/96kHz. The TDM version adds support for Digidesign's ProTools TDM format on the Mac, including 192kHz compatibility for ProTools HD. And for those that will later need more processing, Waves offers an upgrade path to the Gold or Platinum Native and TDM Bundles.

*Surgical toolkits for tracking and mastering.  
Superb tools for everyday needs including limiter,  
EQ, compressor delay, reverb, and dynamics.*

#### Bundles Include

- ↳ L1 Ultramaximizer
- ↳ Q10 Paragraphic EQ
- ↳ C1 Compressor/Gate
- ↳ TrueVerb Reverb/Distance Processor
- ↳ S1 Stereo Imager
- ↳ De-Esser
- ↳ SuperTap 2-Tap Delay
- ↳ PAZ Psychoacoustic Analyzer

**L1 Ultramaximizer:** The L1 is a mastering level brickwall limiter that combines state-of-the-art peak-limiting with advanced requantization, delivering the maximum level and highest resolution with little or no loss of dynamics.

**SuperTap:** Provides two taps with up to 6 seconds of delay with complete precision control of gain, panning, and filtering on every tap, plus feedback with filtering. Use the tap pad to set rhythms or tempo.

**S1 Stereo Imager:** The S1 offers unmatched stereo image tools, with widening, rebalancing, recentering, and MS functions. Adjust left and right independent of center channel. Includes phase-compensated Blumlein shuffler.

**Q10 Paragraphic Equalizer:** The Q10 is the most powerful transparent EQ available. It offers over 200 presets including notch, super notch (-46dB), hum removal, comb, Baxandall, brickwalls and more.

**De-esser:** Excellent dynamics processor gives you precision editing of annoying "hiss" that can mar your recordings.

**Trueverb Room Emulator:** TrueVerb offers virtual real-room acoustic emulation. Implementing the acoustically correct approach, you define the room size, frequency response and distance the listener is from the sound source. Includes a comprehensive setup library.

**C1 Compressor/Gate:** The C1 is a powerful and transparent compressor capable of frequency specific compression and gate using the sidechain. Its presets include de-essers, enhancers, expanders, dehissers, dereverb, ducking, keyed effects and more.

**PAZ Psychoacoustic Analyzer (TDM Bundle only):** A realtime analyzer based on human hearing, PAZ shows 52 or 68 bands with RMS, peak, weighting, variable integration time, and more. Perfect for mastering, trouble-shooting, environmental analysis.

Waves has built a worldwide reputation for quality and technical leadership in the professional audio signal processing market. They are the market leader for software Plug-Ins used in the audio content creation process for music, movies and computer games with over 150,000 users worldwide. Waves offers both the broadest selection and the highest quality set of software solutions available. Its software solutions support over 20 different audio editing environments, both for native CPU operation (Windows and Mac operating systems) and DSP accelerator solutions.



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

## NATIVE POWER PACK / TDM BUNDLE

### L1 Ultramaximizer



The L1 is a mastering level brickwall limiter that combines state-of-the-art peak-limiting with proprietary word length reduction that maximizes audio levels and resolution while minimizing quantization noise — create 16-bit files with 19-bit perceived resolution. Use L1 to maximize audio levels for CD's and multimedia and as the final audio processor in mastering. The L1 installs two separate plug-ins into your host application: L1 limiter, a mono/stereo wideband limiter without IDR, best used as a track insert for voice, instruments or effects. L1-Ultramaximizer, the “full” mastering plug-in with limiter and all IDR options.

- ◆ Peak limiting interface consists of input attenuation, threshold, output ceiling, release time controls and a gain reduction meter.
- ◆ As the Threshold is lowered below the level indicated by the peak threshold meters, the output level is increased but only to the maximum set by the output ceiling control
- ◆ Release time controls how fast the L1 recovers to the constant gain after a peak is encountered
- ◆ Lookahead peak limiter for maximum level
- ◆ 48-bit internal resolution for TDM and 64-bit on Native systems allows dithering back to 24-bit output for DVD authoring and high-resolution mastering
- ◆ Although your audio may not exceed the digital maximum set by the out ceiling control, it may clip when converted to an analog, especially if an inferior A-D converter is used. To combat this, choose Analog Domain for your final mastering ceiling out reference and this will prevent sample from going over when converted to analog.

#### IDR (Increased Digital Resolution)

- ◆ Waves' proprietary word length reduction system, IDR implements Quantize, Dither and Noise-Shaping to ensure maximum digital resolution when reducing the number of bits in your audio
- ◆ Quantize allows you to choose the final bit depth output (8-, 16-, 20-, 24-bit). The L1 works at 48-bit resolution, and is dithered back to 24-bit when this option is chosen
- ◆ Dither controls the type of dithering process to be used:
  - Type 1 yields lower distortion but adds about 5 dB to the noise floor
  - Type 2 yields lower dither level without increasing noise floor
- ◆ Noise-shaping options include Moderate, Normal, Ultra or non and can be applied to suit your preference for each application

### Q10 ParaGraphic EQ

The Swiss-army knife of equalizers, the Q10 provides up to 10-bands of precision mono or stereo EQ. An extensive Setup Library includes 200+ presets, from gentle sweetening EQs for mastering to extreme filters for hum removal and creative effects, suitable for every aspect of audio production.

- 88.2/96 kHz ready for many native platforms
- Separate Left and Right, Strapped and Mono processing control
- Frequency Curve Graph and Value Windows provide interactive control over Frequency, Gain and Q
- Supports both mouse and keyboard control



#### Easy To Use Graphic Interface

- ◆ Left and Right Input trim controls with phase reversal switches for each channel
- ◆ Left and Right Output trim controls plus an Auto Trim button
- ◆ Left/right peak meters with clipping indicators
- ◆ Frequency Curve Window lets you adjust the gain and frequency of active bands and offers a graphic representation of the adjustments in relation to the filter type being used and the interaction between any of the active bands.
- ◆ Matrix style interface with separate controls for each of the 10 EQ bands
- ◆ Selectable filter types- Bandpass (or bell curve), Low shelf, Hi shelf, Low and Hi Pass
- ◆ Gain Control  $\pm 18.0$  dB in 0.1 dB increments
- ◆ Frequency control with 16 Hz - 21.357 kHz range in 1/16-tone steps (96 steps per octave)
- ◆ Q parameter offers exceptionally wide to narrow bandwidth control; constant bandwidth filter boost or cut gain as needed.

#### Extensive Setup Library

- ◆ Instant access to over 200 complex filters divided into manageable categories including Multimedia Tools, Pseudo Stereo, Band-limiting, Pre/De-emphasis, Plateau and Tilt filters, Crossovers, Harmonic combs, etc.
- ◆ Setups are adjustable and cover applications for mastering, hum and hiss reduction, AM radio and telephone simulation effects, pseudo-stereo, comb filtering, brickwall crossover filters and many more.

## NATIVE POWER PACK/TDM BUNDLE, *continued*



### C1 Parametric Compressor

The C1 consists of three independent stereo processing modules: Compressor/expander, Gate/expander, and Filter/equalization. The EQ mode of the Compressor/expander may be chosen independently of each other. For example, you can combine a wideband compressor with a high frequency gate. The Threshold/GateOpen, Attack, Release, EQ Mode controls of the two dynamics modules can be operated simultaneously.

C1 consists of six component plug-ins based on the three available processor modules allowing you to select the specific audio processing you need without wasting DSP power. Each component plug-in has its own factory and user presets.

**C1comp** - Wideband compressor/expander with no sidechain, for use as a basic track insert

**C1gate** - Wideband downward expander/gate with no sidechain

**C1c/sc** - Compressor with sidechain or split-band compression can be used as a high or low frequency limiter, de-esser, de-popper, sidechain drum gate, standard limiter/compressor/expander or no-pump sidechain mastering compressor

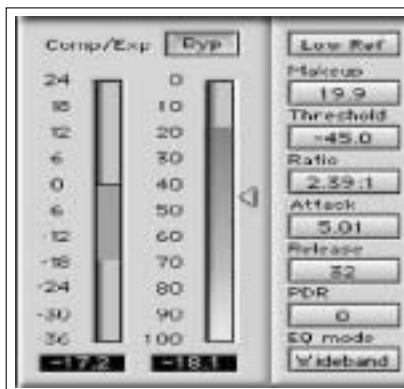
**C1comp/gate** - Wideband compressor and gate combo with no sidechain for general use outboard track insert

**C1c/g+** - The "full" plug-in, with compressor, gate, sidechain EQ, and IDR for use as a precision multi-function, multi-band mastering processor; as a wideband compressor with high frequency gate; simultaneous compression and upward presence enhancer

**C1c/g** — Same as +C1c/g without IDR

#### Compressor/Expander Module

Provides basic soft knee variable-ratio compression, expansion and limiting using the following controls:



◆ Toggle between two reference modes to control how the Makeup Gain stage will react to gain reduction:

- **LowRef** (low-level) is the standard mode for compressors

- **PeakRef** (Peak-level) the output gain automatically increases as the threshold is lowered, maintaining a consistent output level

- ◆ **Makeup Gain** controls the output level with a range of -40 dB to +40 dB
- ◆ **Threshold** sets the input level, in dB, above which the compression/expansion takes place
- ◆ **Ratio** control is variable from 0.5:1 (Expansion) to 50:1 (Limiting)
- ◆ **Attack** time from 0.01 msec to 1 second
- ◆ **Release** time from 1 msec to 10 seconds
- ◆ **Program Dependent Release** can apply a short release time to transient signals while at the same time maintains a more relaxed release time for normal dynamic material.

#### Gate/Expander Module



◆ Full range of adjustments independent of those in the Comp/Exp module. However, some of the controls of the two modules may be linked together for ease and speed of adjustment.

◆ **Floor** sets the lowest level, up to 12 dB, that a sound will be taken to when gated or expanded. When set to infinity, the level can be taken down to digital silence.

◆ **GateOpen** sets the input threshold level, in dB, to let signal through. In Expander mode, GateOpen is the level at which soft knee expansion starts acting to a significant degree

- ◆ **GateClose** controls the level below which gate is closed to stop signals from getting through.
- ◆ **Attack** time from 0.01 msec to 1 second
- ◆ **Release** time from 1 msec to 10 seconds
- ◆ **Hold** adjusts the length of time in milliseconds that the gate is to be held open — useful for creating gated effects such as gated reverb
- ◆ **Control level** meter shows the level of the wideband or sidechain EQ signal controlling the processor. The meter time constants match the Gate/Exp attack and release times.

## NATIVE POWER PACK/TDM BUNDLE *continued*

- ◆ The **EQ Mode** switch has three modes:
  - **Wideband mode** operates as a conventional expander/gate or compressor
  - **Sidechain mode** passes the desired sidechain audio signal used to control the dynamics through the filters in the EQ module so that the dynamics respond only to a defined frequency band
  - **Split mode** not only filters the sidechain audio signal, it also separates the main signal into two bands: an active band which will be processed and a passive band which is not processed
- ◆ The **Gain Reduction Meter** shows instantaneous gain reduction and increase changes below and above 0 dB. A value window above each meter shows the largest absolute peak since the last 'reset' of the meter.

### Filter Module

*The Filter module allows you to designate frequency bands for use with the Sidechain EQ and Band split modes:*

- ◆ Type selects one of the four filter (bandpass, band reject, high pass, or low pass) to be applied to the active band
- ◆ Frequency range is selectable from 16 Hz to 21 kHz. When the band pass or reject filter is selected, the chosen frequency is at the center of the pass or reject band. When a low or high pass filter is used, the chosen frequency is at the crossover point between the two bands
- ◆ Q range is selectable from 0.1 to 0.6. When using a band pass or reject filter, Q controls the width of the band. For low and high-pass filters, Q determines the steepness of filter cutoffs
- ◆ Graphic Display shows the filter type and the interaction of the active/passive bands



## TrueVerb Reverb/Room Simulator



*TrueVerb is a room emulator/reverb processor that uses separate early reflection and reverb algorithms to generate compelling virtual spaces. Control the Room size, its decay time and frequency characteristics as well as the Distance between the sound source and listener.*

- Create natural sounding rooms without distorting the original stereo image
- True Stereo compatibility
- Two user modes: Send mode or Thru Mode where TrueVerb is inserted on a stereo submix or master outputs to create a virtual room for groups of instruments or an entire mix
- Constant Perceived Level ensures a consistent overall mix as you tweak TrueVerb's parameters
- Extensive setup library with dozens of presets, many tailored specifically for either Send or Thru mode usage
- Separate editable graphic Time Response and Frequency Response displays

### Input/Output Section

- ◆ Input Gain A full-range control, from 0.0 to silence (-infinity), adjusting the input level
- ◆ Direct On/Off toggle switch for the dry input signal with a Direct level gain control
- ◆ EarlyRef On/Off toggle switch for the early reflection signal with an Early Reflection level gain control
- ◆ The Reverb On/Off toggle switch with a Reverb level gain control
- ◆ VU meters show the stereo output level. A clip indicator lights red if a single sample reaches 0dBFS (Full Digital Scale). A numeric sample-accurate peak hold shows the highest output level value

### Frequency Response Controls

- ◆ ER Absorb— output HF filter for the Early Reflections
- ◆ Freq control— sets the frequencies for the RevShelf and the ER Absorb
- ◆ RevShelf:— HF shelving filter for the Reverb
- ◆ Control the high and low frequency character of the Reverb using adjustable frequency and Damp Ratio controls

### Time Response Controls

- ◆ **Dimension** controls the character of the Early Reflections to simulate a 1-4 dimensional space
- ◆ **RoomSize** controls the size of the room in cubic meters
- ◆ **Distance** controls the apparent distance, in meters, from the listener to the input source.
- ◆ **Link** matches the level of the Reverb and PreDelay to the last reflection in the Room
- ◆ **Balance** controls the balance between the Reverb and the Direct/EarlyReflections levels
- ◆ **DecayTime** determines the rate at which the early reflections and reverb fade away
- ◆ **PreDelay** controls the delay time, in milliseconds before the reverb begins
- ◆ **Density** controls the initial buildup of reflections in the Reverb

## NATIVE POWER PACK/TDM BUNDLE *continued*



### S1 Stereo Imager

*S1 combines a number of stereo processing techniques, based on recognized engineering principles, with an intuitive user interface. Four component plug-ins, S1 provides powerful stereo enhancing and re-balancing tools for use in mixing, mastering and digital editing without adding unwanted tonal, phase coloration and with a high level of mono compatibility with minimal side effects. Supports 88.2/96kHz native host applications as well as 48-bit double precision resolution for TDM.*

#### Easy To Use Graphic Interface

- ◆ **Width** control alters the width of the input stereo signal. Can be narrowed to mono or widened to move beyond the loudspeakers
- ◆ **Asymmetry** is a post-width control that adjusts the relative level of left and right sounds without moving the mix off-center or favoring either side of the stereo image
- ◆ **Rotation** control is used for centering a stereo mix biased to one side without altering the mix level balance, or as a true stereo 'pan' control for mixing stereo-miked sources
- ◆ **Shuffling** and **Frequency** work in tandem to increase the stereo width and spaciousness of bass frequencies which are usually perceived as omnidirectional sound energy
- ◆ **Shuffling** controls the bass width while the **Frequency** controls the frequency (between 350 and 1400 Hz) below which the Shuffling effect is increased
- ◆ **Bass Trim** adjusts the level of bass which may shift when Shuffler is in use
- ◆ **LR/MS** button changes the input mode to accept either standard Left-Right inputs or **Mid/Side (MS)** inputs for decoding tracks recorded with a MID/Side stereo mic configuration. Left and right channels can be swapped and polarities can be switched
- ◆ **Gain** controls overall gain level

*Four S1 component plug-ins let you select the amount of audio processing you need.*

- **S1 Shuffler** is the full plug-in, with all controls, for mastering, fixing off-center or unbalanced mixes, precision image adjustment, changing wideband width or expanding the low frequency image as well as Rotating true stereo sources without narrowing the stereo stage
- **S1 Shuffler (48)** is the full mastering plug-in for TDM users with 48-bit double precision resolution dithered to a 24-bit output
- **S1 Imager** is less processor intensive than S1 Shuffler with Width, Rotation, and Asymmetry controls for enhancing stereo mixes or Rotating stereo-mic and submixes into place)
- **S1 MS** converts left-right input into Mid/Side stereo (MS) output or vice versa.

### De-Esser

#### High Frequency Dynamics Processor

*Equipped with only a few simple controls, De-Esser provides fast and easy de-essing and High Frequency limiting that can be applied to a wide variety of sources especially singing and voice-overs to remove sibilant 'esses' and 'sshs'. A choice of Wideband and SideChain mode allows you to use De-Esser as a high frequency dynamics processor or as a straightforward compressor/limiter. Supports 88.2/96kHz native host applications.*



#### De-Esser Controls

- ◆ **Threshold** slider adjusts the level above which attenuation takes place in the SideChain. To adjust the threshold, click and drag the slider down until the 'esses' are sufficiently reduced
- ◆ **Audio** control toggles between **Wideband** and **Split** compression modes. In **Wideband** mode, attenuation is applied to the entire audio band. In **Split** mode the audio is split into low and high frequency signals and attenuation is applied only to the **HighPass** signals
- ◆ **Frequency** window allows you to set the center frequency used in the SideChain filter
- ◆ **SideChain** button toggles between a **HighPass** filter which looks at all frequencies above the set frequency and a **BandPass** filter which is a narrow band around the set frequency
- ◆ **Monitor** button toggles between **Wideband** and **SideChain** only monitoring

#### De-Esser Displays

- ◆ **Attenuation** meter displays instantaneous gain reduction applied to the audio (in dBs)
- ◆ **Output** meter provides an infinite peak hold feature that shows the highest output level
- ◆ **Energy Detector** located next to the threshold control, displays the energy of the **SideChain** in dB below 0 dBFS). The energy bar-meter and threshold-slider are aligned for easy adjustments and visual feedback

## NATIVE POWER PACK/TDM BUNDLE *continued*

### SuperTap 2-tap

*SuperTap 2-tap is a two-tap delay with up to six seconds of mono or true stereo delay. There's a dedicated Eq/Filter section for each tap derived from the acclaimed Q10 as well as Global LFO and a feedback section capable of overmodulation and positive gain feedback loops capable of some serious distortion. SuperTap 2-tap can produce a wide range of creative rhythm effects and loops and includes 19 factory presets covering a broad range of multi-tap delay effects, including analog and tape delays, slapback echo, chorusing and more.*



#### Each Tap Features

- ◆ Controls for each tap are arranged in a row from left to right — On/Off, Gain, Rotate, Tap Marker, and Eq/Filter section
- ◆ Gain is adjustable in 0.1 dB steps
- ◆ Rotate controls the tap's stereo position  $\pm 45^\circ$
- ◆ Each tap has its own slider located in the Tap Delay Grid that is adjusted by dragging the slider from left to right. Each slider shows a value either in BPM or milliseconds (ms)
- ◆ Each tap has an EQ/filter section. Each filter has a selectable frequency (100Hz to 20kHz) and six filter curves — Bell (wide) Bell (narrow), Hi and Low Shelf, High and Low Pass. Gain control lets you boost or cut filtered bands without affecting the pass bands
- ◆ Pan Graph shows the stereo location of each tap with a marker. Tap markers can be dragged from left to right to adjust Rotation ( $\pm 45^\circ$ ) and up and down to adjust Gain (from 0.0 to -24dB).

#### Global Controls

- ◆ Grid Mode button changes between BPM (adjustable from 40 to 1200bpm) or ms
- ◆ Snap-to-grid feature lets you quantize each tap to a beat selected with the Grid button. Note divisions include quarter, quarter triplet, eighth, eighth triplet, and sixteenth. A Free mode can be used to accommodate complex rhythms and odd time signatures
- ◆ Modulation section allows you to control the depth (from 0 to 500ms) and the LFO rate (from 0.0 to 20Hz) of the taps
- ◆ Tempo Controls allow you to raise or lower the BPM and corresponding quarter note value in milliseconds
- ◆ Two distinct Feedback Modes: Normal mode where the feedback sends each tap back into the input again and Tap Feedback mode, where the feedback has its own delay time that sets the repeat time for a rhythmic pattern.
- ◆ Feedback Gain controls how much signal is fed back into the input. In Normal mode, this effect can range from gently decaying repeats to positive gain feedback that develops into distortion. In Tap Feedback mode, a gain setting of 100% will continuously cycle the delay loop while a lower percentage will cause the loop to gradually fade out.
- ◆ Tempo Mode button changes the function of the Tap Pad between Tempo and Pattern mode which allows you to tap a rhythmic sequence to use for the delay values
- ◆ Feedback Rotation control allows you to shift the entire stereo signal  $\pm 45^\circ$  without collapsing the stereo image
- ◆ Feedback EQ/Filter section offers 3 filter types: Low Pass, Low Shelf, and a unique Low Decay that gently attenuates treble frequencies not unlike the behavior of tape or analog delays, or vintage digital delays with low sampling rates.

### PAZ Realtime Psychoacoustic Analyzer

*PAZ (TDM bundle only) provides accurate visualization of psychoacoustic experiences and contains three modules: Frequency Analysis, Stereo Position Display, Loudness/Peak Meter. Useful for mastering and analysis, troubleshooting sound systems, room tuning and more.*

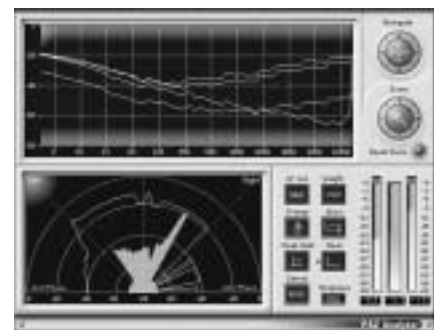
#### Four Plug-in Modes

Each 'mode' can be used as a separate plug-in, or all three can be used in a single window

- ◆ **PAZ-Analyzer** — This is the full plug-in with all 3 measurement functions (Frequency, Stereo Position, and Level);
- ◆ **PAZ-Position** — Shows only the Stereo Position Display with the controls related to it
- ◆ **PAZ-Frequency** — This shows only the real-time frequency analysis with related controls
- ◆ **PAZ-Meters** — Shows only the meters for Left, Right, and Sum. The Sum meter can be selected for Peak or RMS display

#### Frequency Analysis Display

- ◆ The Frequency Analysis display can be used for Peak or RMS display of dual channel, mono analysis and total stereo energy from DC to Nyquist (the highest frequency allowed by the current sample rate)
- ◆ It employs 52 frequency bands nearly identical to the constant Q critical frequency bands of human ears. This provides the most accurate visualization of sound as we experience it
- ◆ The resolution below 250Hz can be increased to 10 Hz steps for a total of 68 bands
- ◆ Energy spectrum can be "A" or "C" weighted



#### Stereo Position Display

- ◆ Stereo Position Display shows the loudness energy across the Stereo stage as well as anti-phase information.

#### Loudness/Peak Meters

- ◆ Loudness/Peak Meters are shown against each other. Loudness is computed according to the selected weighting curve

# WAVES

## RENAISSANCE COLLECTION — NATIVE or TDM

COMPUTER SOFTWARE

1172



### *Software Emulation of Vintage Analog Hardware with Simple Intuitive Controls*

*Unbeatable sound and power at an incredible price. The Renaissance Collection puts the three essential processors at your fingertips: equalization, dynamics, and reverb—all with classic interfaces. Each sports an elegant and simplified interface, and respond immediately to any parameter changes. The Native version supports RTAS, AudioSuite, VST, MAS and DirectX formats on Mac and Windows with sample rates up to 88.2/96kHz. The TDM version adds support for Digidesign's ProTools TDM format on the Mac, including 192kHz compatibility for ProTools HD.*

#### **Renaissance EQ—**

Perhaps the most musical EQ plug-in ever developed, the award-winning Renaissance EQ offers two to six bands of audiophile EQ. Selectable filter types respond like classic analog/tube hardware adding air and smoothness while maintaining clarity and space.

#### **Renaissance Compressor—**

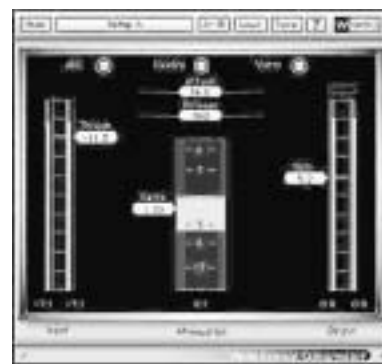
The Renaissance Compressor recreates the warm distinctive sound and simple operation of classic analog hardware. Features ARC and Opto/Electro modes with brickwall (L1 style) limiter on the output. Has an intuitive interface for comprehensive, detailed control.

#### **Renaissance Reverberator—**

Easy to use, with incredible detail and flexibility, the Renaissance Reverberator offers the classic sound of professional reverb with intuitive controls. It offers Hall, Plates, Chambers, Gates plus Reverse, Resoverb and Echoverb.

## Renaissance Compressor

*The Renaissance Compressor is a vintage style compressor/expander with a barebones, no nonsense interface. The five standard compressor controls — threshold, ratio, attack, release and gain are enhanced with Mode, Character and Behavior controls that let you choose between manual or auto-release functionality, analog warmth or an uncolored sound, and Electro or Opto circuit emulation. A diverse range of factory presets for use in mastering, voiceovers, vocals, drums, guitar and bass, transient restoring expanders as well as aggressive pumping effect, provide a starting off point to get you going.*



- ◆ 64-bit floating point resolution dithered to 32-bit for Native applications
- ◆ 56-bit resolution dithered to 24-bit (TDM)
- ◆ Auto Release (ARC) or Manual release control. ARC dynamically chooses the optimal release value for a wide-ranging input, allowing greater compression with less artifacts.
- ◆ Compression behavior can be set to emulate either an Electro or Opto circuit for applications ranging from tracking to mastering
- ◆ Electro mode increases release time as gain reduction approaches zero. This ideal for increasing the level of sound sources for loud applications such as voiceovers and pop music
- ◆ Opto mode slows down release time as gain reduction returns to 0 and increases as gain reduction exceeds 3 dB, adding sustain to percussive tracks while taming transient peaks
- ◆ Choose between Smooth (leaves the sound uncolored) and Warm (adds low frequency harmonics as more gain reduction is applied).
- ◆ Threshold fader, adjustable in 0.1 dB steps, controls the input level above which the soft knee compression or expansion begins
- ◆ Adjust the compression and expansion ratios (1.01:1 to 50.0:1 and 0.99:1 to 0.50:1 respectively), for signal above Threshold
- ◆ Adjustable attack fader (0.5 to 5000 ms in 1/100 ms steps) to control the response time of the onset of compression or expansion
- ◆ Adjustable release fader (5 to 5000 ms in 1/100 ms steps).
- ◆ Gain fader adjusts the output gain of the compressor in 0.1dB steps, ±30 dB. Gain meter displays realtime gain reduction or increase
- ◆ Input/output Meters are logarithmic displays from 0 to -60 dBFS, with resettable peak hold values at the bottom of each meter
- ◆ L1-style limiter at the output stage is activated if the output level exceeds 0dBFS.



ONE HOUR FREE PARKING

AT 349 W. 34th STREET (with purchase of \$100 or more)

## RENAISSANCE COLLECTION — NATIVE or TDM



### Renaissance EQ

*Renaissance EQ is a 2, 4 and 6-band audiophile quality EQ. The Q10 style functionality of Renaissance EQ includes separate Gain, Frequency Q and Filter Type controls for each band that can be controlled via dedicated buttons or graphically using the intuitive Frequency Response Graph. The various filter-curves, based on the theoretical designs of renowned engineers emulate the warm, sweet sounds of vintage-style EQ filters including prized Pultec EQs.*

*Each of the six EQ bands has its own Gain, Frequency, Q, In-Out and Filter Type controls*

- ◆ Michael Gerzon and Baxandall Filter-curves, based on vintage analog equalizers, include Resonant shelves that emulate the simultaneous boost and cut characteristics of vintage Pultec EQs with a unique Q control that adjusts the slope of the shelf
- ◆ Stereo, dual-mono and mono operation
- ◆ Simultaneous multi-parameter control lets you make EQ adjustments while maintaining the integrity of a desired curve
- ◆ 48-bit double precision internal processing dithered to a 24-bit output (TDM), 64-bit floating point resolution dithered to a 32-bit floating point output (Native)
- ◆ Gain for each EQ band is adjustable  $\pm 18$  dB, in 0.1 dB increments, via the Gain Value Window or by dragging the EQ curve in the frequency response graph
- ◆ Frequency control displays the center frequency for each band when a bell filter is selected or the corner frequency of the filter when in cut or shelf modes. Adjustable in 1/16th tone increments (96 steps per octave)
- ◆ Q control works differently for each filter type. When using a Bell filter, Q adjusts the width of the filter in relation to the center frequency.
- ◆ When using a Shelf filter - Q controls the slope of the "side" of the shelf and the resonant dips and peaks
- ◆ When the Cut filter is used, available for bands 1 or 6 only, Q controls the slope of the cut filter (from about 10dB/oct to 18dB/oct)
- ◆ Individual EQ bands can be bypassed
- ◆ There are different sets of filters available depending on the band — bands 1 and 6 have Cut, Bell, and shelf filters, bands 2 and 3 have Bell and Low Shelf filters, bands 4 and 5 have Bell and High shelf filters

### Renaissance Reverberator

*Renaissance Reverberator is a classic sounding reverb processor that excels in any level of music production. Designed to be straightforward and musical, it provides twelve selectable reverb types, controllable with an uncluttered yet highly functional graphic interface.*



- ◆ Nine sliders control the properties and levels of of the Early Reflection and Reverb
- ◆ Installs two component plug-ins in your host application — the full Reverb, and a Reverb Tail only plug-in without Early Reflections
- ◆ Three intuitive graphic displays — Damping Graph with moveable High and Low Freq. markers, Early Reflection and Reverb Tail Response Time Graph and Reverb EQ Graph with moveable High and Low Freq. markers
- ◆ Diffusion fader serves as a balance control between the direct and early reflection signals that feed the reverb tail.
- ◆  $\pm 160.0$  milliseconds predelay range. Positive delay times offset the signal sent to the reverb tail generator (negative delay the direct signal)
- ◆ Time fader sets the decay time of the reverb tail from 0.1 to 20.0 seconds
- ◆ Adjust size related parameters corresponding to the current Reverb Type such as early reflection spacing or reverb tail dimension
- ◆ Control the decay envelope of the reverb tail from non-linear gating to a more natural linear slopes.
- ◆ Early Reflections and reverb tail's output level have a range of 0.0 to Off
- ◆ The Wet/Dry fader controls the balance, from 0 to 100%, between the dry and wet signals

#### Reverb Controls and Faders

- ◆ Reverb types control the sound characteristics of the reverb and early reflection: Hall 1/2, Room, Chamber, Church, Plate 1/2, Reverse, Gated, Non-Linear, EchoVerb, and ResoVerb
- ◆ Six variations of the amount of correlation between the left and right channels within the early reflections

#### Pre Early Reflection and Reverb EQ Controls

- ◆ Low Frequency Shelving EQ has a frequency range of 16 to 1600 Hz with a variable gain of -24.0 dB (low cut filter) to +12 dB
- ◆ High Frequency Shelving EQ has a frequency range of 1k to 21 kHz with a variable gain of -24.0 dB (high cut filter) to +12 dB

#### Damping Controls

- ◆ Control the "knee" of where the LF damping begins (16 to 1600 Hz) and where the HF damping begins (1000 to 2100 Hz)
- ◆ Control the progressive frequency response of the reverb's low or high range with a multiplication factor of 0.10 to 2.00

# WAVES

## PRO-FX PLUS — NATIVE or TDM

COMPUTER SOFTWARE

1174



### *The Ultimate Sound Design Tool Kit*

*Retaining the sonic excellence that Waves plug-ins are known for, Pro-FX are potent and innovative implementations of classic (and new) effects including emulation of vintage analog devices and effects possible only in the digital domain.*

*The Pro-FX Bundle includes the UltraPitch, a 6 voice formant-corrected pitch shifter; the SuperTap, a 6 voice multi-tap delay for effortless rhythmic repeats and doubling; the MetaFlanger for vintage tape-flanging and phase emulation; and MondoMod, a unique combination of AM, FM and Rotation (panning) modulations. Each plug-in uses Waves' proprietary digital signal processing algorithms, with 56-bit audio math on TDM systems.*

#### *UltraPitch -*

Formant-corrected pitch shifter with 6-voices that creates huge and thick stereo chorusing, doubling, parallel harmonies and vocal slap/spread effects. It also creates excellent gender-bending effects. Independent stereo panning and delay for each voice. An animator delay-randomizer sets the pitchshift by musical intervals (with 5 cent resolution). Includes manual formant mapping as well as presets.

#### *Doppler -*

Software processor developed for post, film sound and game designers.

#### *MetaFlanger-*

Vintage tape-flanging, phaser-emulation, and special effects with true dual-delay flanging sounds. Wet signal include filters so you can flange or phase just part of the signal. Presets of vintage emulations (Mutron, MXR, Itchycoo Park) and more.

#### *MondoMod-*

Combines AM (level), FM (frequency), and stereo rotation (panning) into a single modulator, with built-in LFO and the ability to modulate from a sidechain source. It is able to create bizarre and unexpected effects, both destructive and subtle.

#### *Enigma -*

Combination of a new-technology "notchbox", a feedback circuit with filtering, and a modulator, but as the name implies, has plenty of mysterious and creative corners for designers to explore.

#### *SuperTap-*

Six taps of mono or true stereo delay (up to 6 seconds) with global LFO modulation, 2 feedback modes, Q10-style filtering for each tap as well as rotation (stereo panning). Delays are adjustable in milliseconds and note values and you can tap out delay times or patterns using the Tap Pad.

## UltraPitch

*UltraPitch provides up to 6 voices of formant corrected pitch shifting each with independent level, pan and delay control for each voice. It allows you to raise or lower the pitch, of each voice, up or down one octave by semitone or with 5 cent resolution. Variable formant-corrected pitch shifting prevents chipmunk effects and is excellent for gender bending. With fast pitch detection and completely variable stereo panning and rotation for each output, UltraPitch can create huge and thick stereo chorusing, doubling, parallel harmonies, slapback effects and more. Includes three separate component plug-ins; single voice, 3-voice harmony maker and 6-voice harmony maker, that can be used in either mono or stereo.*



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

## PRO-FX PLUS — NATIVE or TDM

### *Pitch Detection Display & Controls*

- ◆ Pitch detector graph displays the current pitch of the direct monophonic signal in real time. A keyboard display on the right hand side of the pitch detection graph displays the notes of the pitch being detected
- ◆ Adjust your monitor's scrolling speed to clearly see the pitch-detection and adjust the Min and Max-pitch thresholds accordingly (these limiters adjust the upper and lower frequency limits of pitch detection).
- ◆ Set the optimum pitch detection type for the input signal — Default, Voice Steady, Voice Jumpy, Voice Opera, Music Steady, Clear tones or Bass

### *Pitch Character Display & Controls*

- ◆ Voice character graph displays a color-coded Marker for each active voice indicating its current pitch and formant settings. Markers can be dragged up and down to raise or lower its pitch, and from side-to-side to adjust its formant
- ◆ Three different ways to raise/lower the pitch for each component up to one octave
- ◆ Eight Link presets (Free, Voice, Song, Brass, Woods, Strings, Linear and Inverted), designed so that as you change pitch, formant-correction will follow the ideal curve
- ◆ Formant-correction control adjusts the resonant frequencies for each voice  $\pm 12$

### *Mix Display & Controls*

- ◆ Direct Level can be set (0.0 to -24.0 dB)
- ◆ Mix graph displays each active voice in the stereo field via color coded markers.
- ◆ Adjust Gain range (0.0 to -24.0 dB) and Delay time (0 to 100ms) for each voice
- ◆ The Pan control allows adjustment of each voice  $\pm 45^\circ$  within the stereo sound field
- ◆ Live mode (TDM version only) is delay setting that syncs the direct voice with the input sound, permitting UltraPitch to work in real time situations such as a live show
- ◆ Animate feature adds a random delay (0 to 100ms) between voices, adding more realism to the overall blend.

## MetaFlanger

*MetaFlanger is a plug-in for creating unlimited flanging, phaser and chorusing effects including classic tape flanging effects and other mutations of vintage modulation effects. It can emulate traditional analog flangers, fill out a simple sound, create intricate harmonic textures and even generate small rough reverbs and effects. The Filter section allows you to affect only the upper or lower frequency ranges, while phase inversion allows even greater, more dynamic effects control. Has an extensive library of factory presets.*



### *Mix, Feedback & Filter Controls*

- ◆ Mix control sets the Wet/Dry balance with a range from 0% (Dry) to 100% (Wet)
- ◆ Invert the phase of the wet signal creating an increased boost or cancellation of frequencies depending on the flanger's corresponding depth and delay settings
- ◆ The Feedback control, adjustable from 0 to 100% sets the amount of wet signal is feedback to the input. A higher feedback percentage increases the intensity of the effect
- ◆ Inv Feedback button adds even more tension and uniqueness to an effect
- ◆ Apply flanging effects to selected high or low frequencies
- ◆ Toggle between a low or high pass filter
- ◆ Sets the corner frequency for the selected filter within a range of 0.1 to 20.0 kHz.

### *Delay, Rate and Depth Controls*

- ◆ Delay control is settable from 0 to 50.0ms in 0.1ms increments. The amount of delay dictates the type of modulation effect achieved:
  - 0.1 -0.5ms is ideal for phaser type effects
  - 0.5 -3ms for flanging
  - 3 -50ms for chorusing effects.
- ◆ The Delay control combines with Rate and Depth to alter the sweep of the modulator.
- ◆ Adjust the LFO waveform frequency from 0 to 20Hz in 0.1Hz steps. The LFO rate controls the speed at which the delay time will vary.
- ◆ Vary the delay time of the wet signal, from 0 to 100%, creating a slight pitch shift
- ◆ Control Rate and Depth simultaneously, maintaining a constant ratio between them
- ◆ Tape button provides true tape-flanging emulation by causing the dry audio to be delayed equal to the wet delay.

### *Waveform, Modulation Display and Stereo Controls*

- ◆ Waveform button selects either a Sine wave with a continuous variation from the highest to lowest pitch or Triangle LFO wave modulation which only has two pitches
- ◆ Modulation display shows you graphically how the LFO parameters dynamically change when you alter the Rate and Depth settings
- ◆ The Stop button "freezes" the modulator wherever it is when you click it
- ◆ Stereo control sets the phase between left and right LFO's between 0 to 180°. When set to 180°, the Left side is flanging down while the Right side is flanging up
- ◆ Gain fader ( $\pm 12.0$ dB) in 0.1 dB increments
- ◆ A Numerical Peak-level display shows the exact level to one decimal place

# WAVES

## PRO-FX PLUS — NATIVE or TDM continued



### Doppler

*Doppler is the effect heard when a sound source, such as a car or train, passes by, and the pitch changes. Pitch sounds higher as the sound approaches, and sounds lower as it goes away. Easy to operate, Waves' Doppler processor lets you create realistic and unusual Doppler effects with full control over pitch, path curve and high frequency damping, gain, reverb and start/stop points. Waves' Doppler is based "on reality"—some controls behave according to the laws of physics (air damping, gain hanging with distance). However you can set the values of Doppler to work well outside those laws; it is said there is reality, and there is "Hollywood", when it comes to effects and the appropriate perception of them. Sometimes what an audience would expect is not based on the laws of physics at all!*

### SuperTap Multi-Tap Delay

*SuperTap is a six-tap delay with up to six seconds of mono or true stereo delay. There's a dedicated Eq/Filter section for each tap derived from the acclaimed Q10 as well as Global LFO and a feedback section capable of overmodulation and positive gain feedback loops capable of some serious distortion. SuperTap can produce a wide range of creative rhythm effects and loops and includes 19 factory presets covering a broad range of multi-tap delay effects, including analog and tape delays, slapback echo, chorusing and more. To conserve processing power, SuperTap allows you to choose between 2 or 6 tap plug-ins, in mono or stereo, with or without modulation.*



#### Each Tap Features

- ◆ Controls for each tap are arranged in a row from left to right — On/Off, Gain, Rotate, Tap Marker, and Eq/Filter section
- ◆ Gain is adjustable in 0.1 dB steps
- ◆ Rotate controls the tap's stereo position  $\pm 45^\circ$
- ◆ Each tap has its own slider located in the Tap Delay Grid that is adjusted by dragging the slider from left to right. Each slider shows a value either in BPM or milliseconds (ms)
- ◆ Each tap has its own EQ/filter section derived from the Q10 plug-in. Each filter has a selectable frequency range of 100 Hz to 20kHz and six filter curves — Bell (wide) Bell (narrow), Hi and Low Shelf, High and Low Pass. Gain control lets you boost or cut the filtered bands without affecting the pass bands
- ◆ Pan Graph shows the stereo location of each tap with a marker. Tap markers can be dragged from left to right to adjust Rotation ( $\pm 45^\circ$ ) and up and down to adjust Gain (from 0.0 to -24dB).

#### Global Controls

- ◆ Grid Mode button changes between BPM (adjustable from 40 to 120bpm) or ms
- ◆ Snap-to-grid feature lets you quantize each tap to a beat selected with the Grid button. Note divisions include quarter, quarter triplet, eighth, eighth triplet, and sixteenth. A Free mode can be used to accommodate complex rhythms and odd time signatures
- ◆ Tempo Controls allow you to raise or lower the BPM and corresponding quarter note value in milliseconds
- ◆ Tempo Mode button changes the function of the Tap Pad between Tempo and Pattern mode which allows you to tap a rhythmic sequence to use for the delay values
- ◆ Two Feedback Modes: Normal mode where the feedback sends each tap back into the input again and Tap Feedback mode, where the feedback has its own delay time that sets the repeat time for a rhythmic pattern
- ◆ Feedback Gain controls how much signal is fed back into the input. In Normal mode, this effect can range from gently decaying repeats to positive gain feedback that develops into distortion. In Tap Feedback mode, a gain setting of 100% will continuously cycle the delay loop while a lower percentage will cause the loop to gradually fade out.
- ◆ Feedback Rotation control allows you to shift the entire stereo signal  $\pm 45^\circ$  without collapsing the stereo image
- ◆ Feedback EQ/Filter section offers 3 filter types — Low Pass, Low Shelf, and a unique Low Decay that gently attenuates treble frequencies not unlike the behavior of tape or analog delays, or vintage digital delays with low sampling rates
- ◆ Modulation section allows you to control the depth (from 0 to 500ms) and the LFO rate (from 0.0 to 20Hz) of the taps

## PRO-FX PLUS — NATIVE or TDM continued

### MondoMod

*MondoMod is software plug-in for pro-audio processing applications. It includes an AM (Amplitude Modulation) section for creating tremolo effects, an FM (Frequency Modulation) section for creating vibrato effects, and a Rotation Section for creating panning effects. The rate of change for all three effects are controlled by an LFO (Low Frequency Oscillator) with 5 different waveforms and a variable tempo adjustable by Hz (frequency) and BPM (Beats per Minute). Simple On/Off buttons allow you to use the three effects together or individually.*



#### Tempo and Waveform Section

- ◆ **Tempo** adjusts the rate of an LFO (Low Frequency Oscillator) in cycles per second from 0.01 to 60.0Hz and beats per minute from 0.6 to 3600 BPM.
- ◆ The **x-factor control** multiplies the tempo by 0.5, 1, 2, 4, 10 or 100.
- ◆ Waveforms available for the LFO include — Square, Saw, Saw up, Triangle and Sine.

#### AM (Amplitude Modulation) Section

- ◆ Control the amount of AM from 0 to 100%. A setting of 50% means that the amplitude will drop by half and then return to 0 dB at a rate set by the LFO in the Tempo section.

#### FM (Frequency Modulation) Section

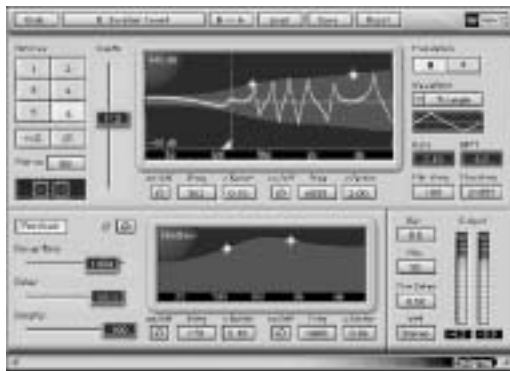
- ◆ Control the amount of FM from 0 to 100%.
- ◆ Adjust the phase relationship of the FM to Amplitude and Rotation Modulation (selectable from 0, 90, 180 or 270° out-of-phase).

#### Rotation Section

- ◆ Set the amount of rotation to the left and right channels. Negative settings place more audio to the right, positive settings place more to the left channel. Set the modulator's left and right sweep range, or width, between 0 and 360°.

#### Output Section

- ◆ Adjustable output Gain (±12.0 dB in 0.1dB increments). Dry/Wet balance can be adjusted from 0% (Dry) to 100% (Wet).



### Enigma

*Four processing blocks combine to create totally unique effects for vocal and instrumental leads, re-mixing/re-processing, sound design, subtle ghosting of effects, treatment of reverb sends, and more.*

- **Notch Section** is the “enigma processor” with filtering option.
- **Modulator Section** modulates the notch processor
- **Feedback with filtering option**
- **Global Section** with Gain, Mix, Wet and Predelay controls

#### Notch Section - the Enigma processor

- ◆ Choose from 2 to 12 (1 to 6 pairs) of notches/frequency sweeps
- ◆ Plus Half (“+1/2”) button adds “half a pair” of notches at the high end.
- ◆ Depth controls the depth of the notches in the Enigma processor. When set to zero, the Feedback section is the main area of control.
- ◆ Phase button reverses the polarity (up/down orientation) of the notches.
- ◆ Control both stereo and tonal aspects of the processor.

#### Modulation Section

- ◆ **Modulation On/Off button** can be used to “freeze” the notches at a certain color and to automate the start and stop of the modulator.
- ◆ Waveforms include sawtooth up down, triangle, sine, square (50% pulse).
- ◆ Adjust modulation in seconds or beats per minute.
- ◆ Set the boundaries of the frequency range to be swept.

#### Feedback Section

- ◆ The **Decay Time slider** responds like a feedback control with longer delay times and a reverb decay control with shorter delay times.
- ◆ The **Feedback Phase button** reverses the phase of the feedback.
- ◆ Control the density and stereo spread of the individual delays.

#### Global Section

- ◆ **Gain** controls the output level indicated by the peak reading meters.
- ◆ Control the Wet/Dry balance between the processed and input signals.
- ◆ **Pre-delay** delays the wet signal before mixing it with the dry.
- ◆ The **Wet control** offers 3 modes that control the output signal — mono, stereo, and Mono+Phase Reverse which takes reverses the phase of the left channel and then sums it with the right channel, producing a stronger notching effect while phase cancelling the original input signal.

# WAVES

## GOLD BUNDLE — NATIVE or TDM

COMPUTER SOFTWARE

1178



### *Professional Tools for Production, Mastering, Tracking and Multimedia Audio*

*Whether you've exhausted your old plug-ins or have simply been waiting for the right all-in-one audio toolbox to come along, the Waves Gold Bundle is simply everything you need, with several daily tools, sweetening and mastering processors, and sound design mindbenders. A near-flawless, must-have plug-in suite, Waves Gold includes a total of 19 plug-ins — enough tools to round out any plug-ins menu — or replace it all together. From the original Q10 and L1 to the Renaissance series, over 300 setups and processors provide exacting control of the highest-resolution tools, for musicians, mastering, remix, restoration, multimedia, film, web, games, everything audio. In fact, the Gold Bundle can handle hundreds of jobs—yet the whole collection falls into tight formation, thanks to its consistent interface design and expansive compatibility.*

*Gold Bundle (Native or TDM) includes  
C4 Multiband Parametric Processor, MaxxBass and AudioTrack*

*Native Power Pack or TDM Bundle—L1 Ultramaximizer, Q10 Paragraphic EQ, SuperTap 2-tap, DeEsser, TrueVerb, S1 Imager, C1 Compander*

*Pro-FX Plus—Enigma, Doppler, Ultrapitch, MetaFlanger, SuperTap, MondoMod*

*Renaissance Collection — Renaissance EQ, Renaissance Compressor, Renaissance Reverberator*

## C4 Multiband Processor

*The C4 Multiband Parametric Processor harnesses the compression design from the award-winning Renaissance Compressor including the ARC Electro and Opto bands.*

*Key features of the C4 include transparent cross-over design with global adjustable Q; true parametric control including independent threshold, range, gain, attack, release and bandwidth per band; flexible design allows compression; expansion or EQ independent of the functions of the other bands; adjustable global knee control; bit precision dithered to a 24 bit output.*



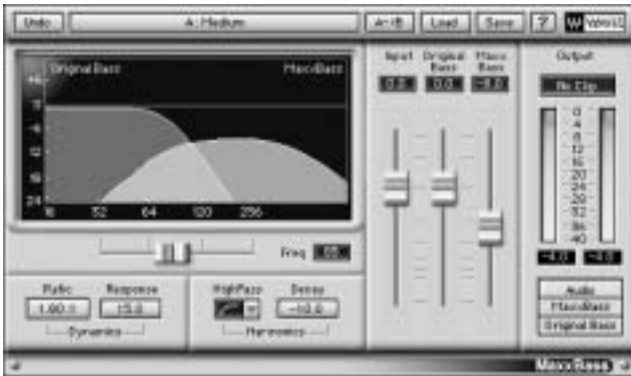
- ◆ Pure innovation with 4-band up and down expansion, limiting, compression, plus dynamic and standard EQ.
- ◆ The C4 is simply the most flexible, musical device ever created. Compress the bass, expand the mid, De-ess the highs, EQ the air, all with complete understanding and control. No tiny LCD screens or confusing menus. Pure multiband power. Instant gratification. Each component is crafted to provide exquisite clarity and control.
- ◆ Each C4 band includes threshold, range, attack, release, and gain. The crossover has independent bandwidth control and global Q adjustment. This unmatched flexibility allows highly different functions in each band simultaneously. For example, you can compress the lows, expand the low-mids, add fixed gain to the upper mids (with no dynamic change), and limit the highs, all at once. The combinations are staggering and give you the ultimate in tonal control.
- ◆ The C4 brings a fusion between gain reduction metering and EQ. You can think of the C4 as a dynamic EQ, and therefore, Waves' displays the output as an EQ curve that moves, called the DynamicLine. Of course, as with all Waves processors, you can select-and drag any graphical representation, or type in numbers, tweak with the mouse, etc. And as always you can select multiple controls at the same time for great ease in adjustments.



ONE HOUR FREE PARKING

AT 349 W. 34th STREET (with purchase of \$100 or more)

## GOLD BUNDLE — NATIVE or TDM



### MaxxBass

*MaxxBass provides a virtual subwoofer by extending the perceived bass response on any speakers. Whether for mastering enhancements or site-specific mixing, your ears will perceive an amazing low end.*

*Patented technology, MaxxBass takes your bass to the maximum by adding a series of harmonics to the signal. These harmonics stimulate a psychoacoustic bass-enhancing effect – a phenomenon that small speakers rely on to play audible bass. MaxxBass simply maximizes this known acoustical phenomenon. Thus bass*

*frequencies are greatly enhanced without traditional EQ or bass compression. Taken to the extreme, you can actually remove the original bass signal completely and the ear will still “capture” the fundamental from the added harmonics. Employing dynamic graphics and a simple user interface, MaxxBass allows you to creatively add specific harmonics to bass signals.*

#### The MaxxBass Graph

- ◆ **Frequency slider** controls the crossover point between the original bass and the added harmonics with a range of 32 to 256 Hz. Frequencies below this point have harmonics created for them; above it, are passed to the output.

#### Output Section

- ◆ **Harmonics fader** controls the level of the generated harmonics in the output mix from +12dB to -infinity.
- ◆ **Original Bass fader** controls the level of the low-passed bass signal in the output mix from +12dB to -infinity.
- ◆ **Input level fader** can be used to attenuate hot signals indicated by the peak reading output meters
- ◆ **Monitor buttons** toggle between Audio (mixed output), Harmonics (MaxxBass Signal), and Original Bass.

#### Harmonics Section

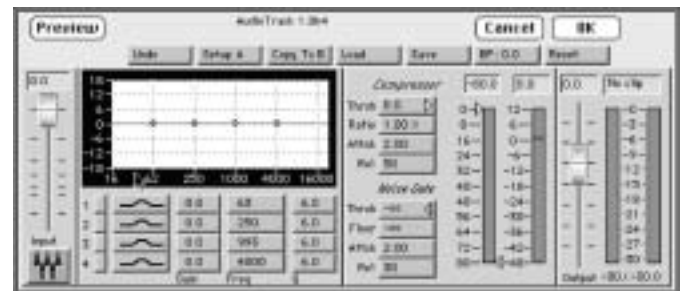
- ◆ **Highpass filter** toggles between a 24dB/oct filter at 16Hz for removing DC and very low frequency components), A 12dB/oct filter at the selected Frequency on the graph, and a 24dB/oct filter at the selected Frequency on the graph.
- ◆ **Decay control** adjusts the progressive rate of decay in level for each succeeding harmonic in the series.

#### Dynamics Section

- ◆ **Ratio control** applies upward compression to the generated harmonics between 1.00:1 to 4.00:1 in 0.01 increments. Higher ratios limit the dynamic range of the harmonics.
- ◆ **Response controls** adjust attack and release of the harmonic generation between 10 and 30 ms in 0.1ms increments.

## AudioTrack Channel Insert

*AudioTrack is a channel insert with 4-band, fully parametric EQ, compressor, and gate, all in one space-saving window, 88.2/96kHz-ready for many native platforms. Unbelievably efficient on any system, with undeniable quality, it is ideal for multimedia producers, voiceover, project studios, and more. The EQ is a true fully parametric 4-band EQ, with bell, shelf, and highpass/lowpass filters, all taken from Wave's Q10 design. The compressor includes expander ratios, plus a “one-hand” Autogain feature. The noise-gate removes background noise from voiceovers and more.*



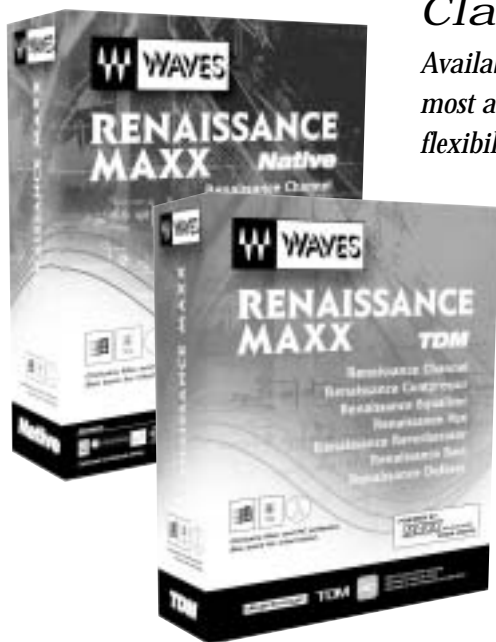
- ◆ Single window interface
- ◆ Volume and Gain Reduction meters
- ◆ Setup library with: Effect, Multimedia, Musical Style, RealAudio, and ShockWave audio setups. (Mac version only)
- ◆ Sample-Accurate peak hold and clip meters
- ◆ Single pass: Equalization, Compression / Expansion and Gate
- ◆ Instantaneous A/B comparisons between on-line settings
- ◆ Full compatibility between native and DSP hardware processing
- ◆ ShockWave Audio Preprocessing presets (PC version)

# WAVES

## RENAISSANCE MAXX — NATIVE or TDM

COMPUTER SOFTWARE

1180



### *Classic Sound — Complete Control*

Available for Native and TDM platforms, Renaissance Maxx offers seven of Waves' most acclaimed audio processors in one bundle to provide the MAXXimum in flexibility, efficiency and intuitive control.

Renaissance Maxx features vintage-modeled equalization, dynamics, and reverb plus a powerful vocal processor, a new de-esser, Renaissance Bass, and the new plug-in that tips the scale — Renaissance Channel— the ultimate channel insert processor.

Renaissance VOX combines compressor, limiter and gate functions to bring vocals and solo instruments to the front of the mix while pushing out unwanted noise. Renaissance Bass refines Waves' popular MaxxBass technology to allow bass frequency extension through speakers with limited low frequency response. Renaissance DeEsser is the next generation DeEsser, and Renaissance Channel is a true channel insert with EQ, comp/limiter, gating, and more incorporated from other award-winning Renaissance plug-ins.

*Renaissance Maxx (Native or TDM) includes  
Renaissance Bass, Renaissance VOX, Renaissance DeEsser, Renaissance Channel*

#### **Renaissance EQ—**

Perhaps the most musical EQ plug-in ever developed, the award-winning Renaissance EQ offers two to six bands of audiophile EQ. Selectable filter types respond like classic analog/tube hardware adding air and smoothness while maintaining clarity and space.

#### **Renaissance Compressor—**

The Renaissance Compressor recreates the warm distinctive sound and simple operation of classic analog hardware. Features ARC and Opto/Electro modes with brickwall (L1 style) limiter on the output. Has an intuitive interface for comprehensive, detailed control.

#### **Renaissance Reverberator—**

Easy to use, with incredible detail and flexibility, the Renaissance Reverberator offers the classic sound of professional reverb with intuitive controls. It offers Hall, Plates, Chambers, Gates plus Reverse, Resoverb and Echoverb.

## Renaissance VOX

*This may be one of the ultimate “one-knob” compressor limiters in pro audio history. Actually it has two controls because it also has a gate. Renaissance VOX is optimized for vocal tracks, featuring a simple interface with only two controls and two meters. The elegant display controls a compressor, gate, and precision limiter with automatic gain staging for clip-free maximization of vocals. The Energy control adjusts the threshold of the multi-stage downward expander, and the Compression control adjusts the amount of compression and limiting while automatically providing output gain boost. This greatly simplifies voiceover or vocal track production by giving the user a single-control adjustment for the most-needed compression and maximization of such tracks.*



EQUIPMENT LEASING AVAILABLE

## RENAISSANCE MAXX — NATIVE or TDM

### Renaissance DeEsser

*Renaissance DeEsser relies on technologies used in Waves C4, DeEsser and Renaissance VOX plus it has several proprietary features that make it better than other DeEssers including Waves own DeEsser. Here are a few main advantages:*

- ◆ Threshold is not the normal “absolute value” threshold that you usually have. Dynamically adapting to the input signal in order to provide a more unified DeEssing effect yielding more natural sounding results.
- ◆ Specify the maximum desired gain reduction for better control of the DeEssing effect.
- ◆ Phase compensated crossover – this is very important in order to avoid undesirable coloration to the sound and to eliminate phase modulation that would otherwise occur as an artifact of the amplitude modulation applied by the compressor. Same type of crossover used in the Waves C1, and C4.



- ◆ As the DeEsser works only on part of the spectral range of the input, the graphic user interface incorporates a graph that lets you see what you hear.



### Renaissance Bass

*Waves developed the MaxxBass technology to allow audio engineers to selectively add harmonics which significantly enhance the bass perception by the listener, and most importantly, beyond the range of the speaker's conventional frequency response. Renaissance Bass takes the MaxxBass algorithm to greater effectiveness and simpler operation. The process has been refined and is even more effective than the original processor. In addition, a simplified user interface helps achieve top-quality sound with quick adjustment, whether in post, mixing, mastering, or multimedia.*

### Renaissance Channel

*Renaissance Channel is a complete channel processor with true double precision operation for maximum fidelity and artifact-free audio. It includes vintage modeled EQ and compression inherited from the critically acclaimed Renaissance EQ and Compressor, selectable EQ/Dynamics ordering, and independent sidechain configuration of routing and filtering for compression and gating. In addition, it includes overload protection and stereo rotation, taking the concept of channel insert to the limit.*

*The EQ features consistent filter response over the entire audio range, with two user-selectable compression curves – one taken from the Renaissance Compressor, and the other from the Renaissance VOX processor. With true double precision processing, the internal processing bus always has the definition required to handle any input signal without artifacts or internal distortion, while overload protection ensures there is no output clipping. The entire stereo stage can be rotated, controlling the level balance without affecting center channel sound. In addition, sidechain routing and filtering can be configured independently for the gating and compression components of the processor.*



- ◆ Selectable EQ/Dynamics signal flow
- ◆ Overload protection - no output clipping
- ◆ EQ with consistent filter response over the whole frequency range
- ◆ Setting of sidechain routing and filtering for gating and compression

# WAVES

## MASTERS— NATIVE or TDM

COMPUTER SOFTWARE

1182



### Precision Mastering Tools

Setting the standard for mastering applications with higher sonic capability plus a greater degree of functionality, the Masters bundle includes the award-winning L2 Ultramaximizer as well as innovative linear phase equalization and multiband processing which result in absolutely no phase distortion created by previous software and hardware tools. The sound is more transparent with better musical balance.

Audio mastering professionals are continually looking for methods to deliver more pristine audio quality in their recordings. In direct response to their demands to eliminate phase distortions from their work, Waves has developed the Linear Phase Equalizer and Linear Phase Multiband.

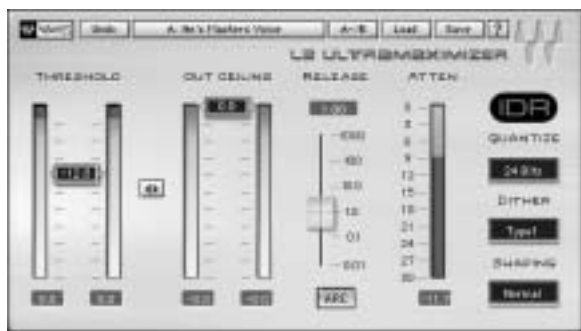
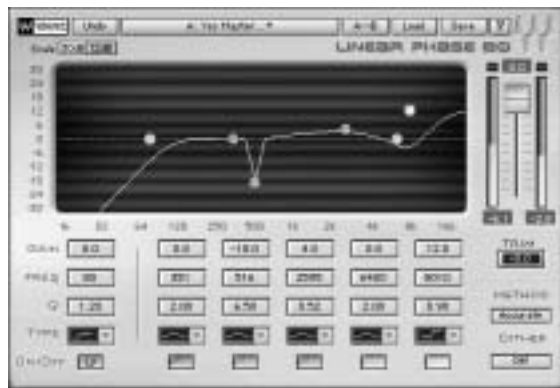
The Linear Phase Equalizer utilizes an innovative FIR (Finite Impulse Response) filter implementation that introduces no phase distortions. This innovative design also overcomes the variable latency of traditional IIR (Infinite Impulse Response) filter implementation that add phase distortions, while offering a user-friendly tool with a user interface similar to Waves popular Renaissance Equalizer.

The Linear Phase Multiband supports independent gain and dynamics (compression, EQ, and limiting) on five user defined frequency ranges, while adding linear phase crossovers. The Linear Phase Multiband extends Waves award-winning C4 Multiband Parametric Processor to an even higher quality standard for purist mastering on full range mixes.

In addition, Waves award winning limiter, the L2 Ultramaximizer is included in the Masters bundle. The L2 adds ARC (Automatic Release Control) to provide extra gain during mixing.

### Linear Phase Equalizer

Innovative phase linear filters eliminate your phase distortions to provide you more transparent sound that better preserves the musical balance. Linear Phase EQ includes a broadband component with 5 general bands and one LF band and a more surgical LF component. Uses the familiar Q10 and Renaissance EQ type interface. Hear what you have been missing.



### L2 Ultramaximizer

The L2 is the next step in peak limiting with ARC (Automatic Gain Control) to add the extra gain you need to master your projects. IDR and ninth order filters maintain the highest quality. Designed exclusively for mastering.

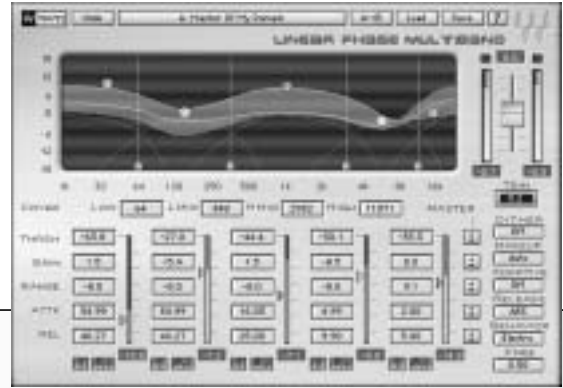


For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

## MASTERS— NATIVE or TDM

### Linear Phase Multiband

Linear Phase Multiband supports independent gain and dynamics (compression, EQ and limiting) on five bands with linear phase crossovers. It includes Adaptive Thresholds, Automatic Makeup and Gain Trimm. It uses the familiar C4 type interface and is ideal for purist mastering on full range mixes.



### PLATINUM BUNDLE —

#### NATIVE or TDM

*The most complete set of audio processors ever offered*

*The Platinum bundle offers the highest-quality, most comprehensive set of audio processors to provide professionals with everything they need in a single cost-effective bundle. For those searching for a larger palette of creative options, the Platinum bundle is the perfect choice.*

*Containing 26 premium audio processing tools, the Platinum bundle includes all 19 processors in the award-winning Gold bundle, plus the three processors from the Masters bundle, and four additional processors from the Renaissance Maxx bundle.*

*The Native version supports RTAS, AudioSuite, VST, MAS and DirectX formats (Macintosh and Windows). The TDM version adds support for Digidesign's Pro Tools TDM format on the Macintosh.*



Platinum Bundle (Native or TDM) includes:

#### Native Power Pack or TDM Bundle—

L1 Ultramaximizer, Q10 Paragraphic EQ, SuperTap 2-tap, DeEsser, TrueVerb, S1 Imager, C1 Compander

#### Pro-FX Plus—

Enigma, Doppler, Ultrapitch, MetaFlanger, SuperTap, MondoMod

#### From the Gold Collection —

C4 Multiband Processor, AudioTrack, MaxxBass

#### Masters Bundle—

L2 Ultramaximizer, Linear Phase Equalizer, Linear Phase Multiband

#### Renaissance Maxx —

Renaissance EQ, Renaissance Compressor, Renaissance Reverberato, Renaissance VOX, Renaissance Bass, Renaissance DeEsser, Renaissance Channel

# WAVES

## RESTORATION — NATIVE or TDM

COMPUTER SOFTWARE

1184



### Audio Restoration and Noise Reduction

Removal of unwanted background noise and disturbing signal transients without affecting the original sound has always been a major challenge in audio postproduction, remastering, broadcasting, video, film and forensics. Waves' Restoration bundle has addressed the increasing demand for real-time noise and transient elimination tools. It establishes a new standard for quality and simplicity in software based noise reduction and sound restoration tools for post-production, remastering, and forensics applications. Fast and incredibly simple to use, it provides feedback through audio output, audio difference and intuitive graphics. Quality is comparable to reference hardware costing up to 10 times more.

The Restoration bundle includes four plug-ins: X-Noise, X-Click, X-Crackle, and X-Hum. X-Noise intelligently learns from a section of noise, and then applies a broadband noise reduction to eliminate background noise from any source. X-Click effectively removes clicks from 78's or vinyl records, as well as spikes arising from digital switching or crosstalk. X-Crackle is the second stage in the restoration of old records eliminating crackles and surface noise left after the X-Click process. X-Hum attenuates steady pitched low frequency disturbances, such as ground loop hum and its harmonics. It is

also intended to reduce rumbles, microphone pops, and DC-offset.

#### X-Noise



A powerhouse for cleaning practically all types of noise, X-Noise intelligently learns from a section of noise, and then applies a

broadband noise reduction to eliminate background noise from any source. Primary controls are similar to classic dynamic processors. Eliminates learning curve. Even stores noise profiles for future use.

#### X-Click



Offers high quality click removal. X-Click eliminates analog or digital clicks with the provided presets. Effectively remove clicks from 78's or vinyl records, as well as spikes arising

from digital switching or crosstalk. Operates fully automated or manual click removal.

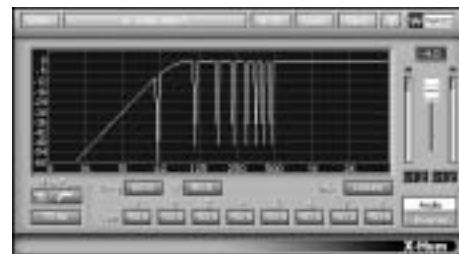
#### X-Crackle

X-Crackle is the second stage in record restoration eliminating crackles and surface noise from old vinyl or magnetic tapes. Simple and effective.



#### X-Hum

X-Hum is perfect for high quality hum removal. Eight harmonically linked notch filters attenuate ground loop hum by up to -60dB with very narrow Q. Removes 60 Hz power in a snap. High pass filter options remove rumble, mic pop and DC-offset.



## 360° SURROUND TOOL KIT



The 360° Surround Toolkit offers a complete set of tools for surround audio production to industry standards. Available for Pro Tools|HD and MIX systems on the Mac, the 360° Surround Toolkit consists of seven surround tools for the most impressive surround localization, spatialization, and envelopment, with enhanced panning, reverb, and dynamics:

The **Surround Manager** allows the calibration of a studio setup to all industry standard surround release formats, and includes flexible bass management, while the **Surround Reverb** includes six channels of completely de-correlated reverberation with special front and rear surround control.

The **Surround Imager** adds distance panning, generating early reflections and shuffling (frequency-dependent localization) for greater LF spatialization.

The **Surround Limiter** is a 6-channel implementation of the acclaimed L2, and the **Surround Compressor** provides dynamic compression with flexible channel coupling and grouping for surround applications.

Finally, **Surround Mixdown** allows the derivation of Quad, LCR, Stereo and Mono mixes directly from the surround mix, greatly adding to studio productivity and compatibility between different format mixes of the same material; and the **Surround Panner** provides rotation and width for any input.

## BROADCAST & PRODUCTION BUNDLE — NATIVE or TDM

Complete production solution covering all your audio signal processing needs

Featuring Waves critically acclaimed Renaissance Maxx, Masters, and Restoration processors, this bundle includes limiters, compressors, EQ's, filters, noise removal, reverb, bass enhancement, de-essing & voice processing. You will be able to clean up audio, get killer voice overs, easily create both common and signature audio effects, fatten the sound, have the best level control available, and create superior feeds & mixes. These are the world-class standard processors used in Hollywood and in audio and music production the world over.



Broadcast & Production Bundle (Native or TDM) includes:

**Renaissance Maxx—**

Renaissance EQ, Renaissance Compressor, Renaissance Reverberator, Renaissance Bass, Renaissance VOX, Renaissance De-Esser, and Renaissance Channel

**Restoration —**

X-Noise, X-Click, X-Hum, and X-Crackle,

**Masters Bundle—**

L2 Ultramaximizer, Linear Phase EQ, Linear Phase Multiband

# YELLOW TOOLS

## CULTURE

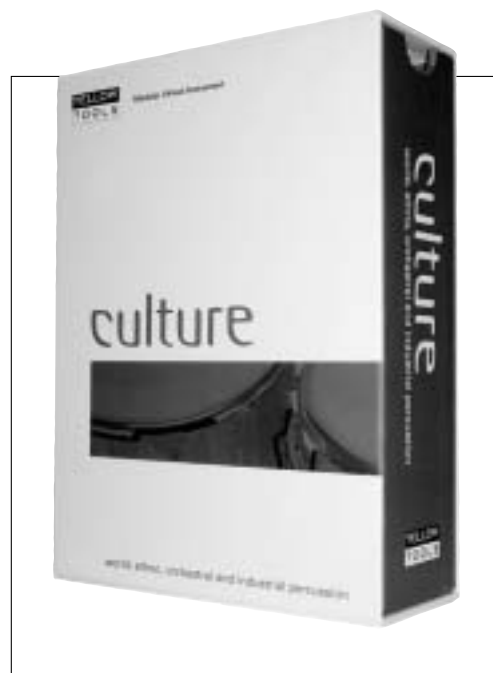
COMPUTER SOFTWARE

1186

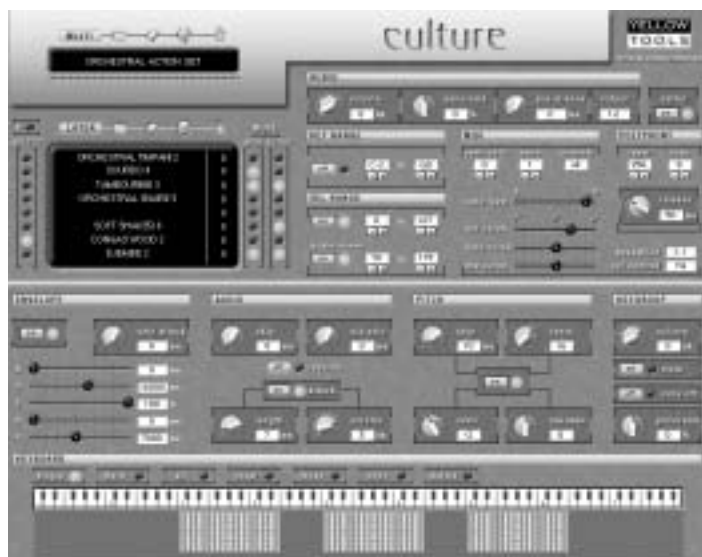
### Modular Virtual Percussion Instrument

*Culture delivers an unprecedented level of quality and control to satisfy the demands of today's top professional musicians.*

*With over 9GB (2 DVDs) of authentic and highly optimized sounds, Culture is the world's largest collection of world, ethno, orchestral and industrial percussion instruments. The essential sonic details of each instrument have been captured perfectly, making Culture sound incredibly real. Each instrument was sampled using every playing technique imaginable... 16 unique velocities per note for left AND right hand! The natural touch of each instrument makes Culture a percussion player's delight. For example, play crisp bass tones at the center of a djembe drum by playing the middle keys, then work your way out to the outer keys for some serious rimshots...brilliant!! Culture includes a full range of percussion instruments such as: djembes, tamdrums, udus, darabukas, shakers, barrels and cans, framedrums, orchestral timpani, orchestral snares, cymbals, tonal gongs, chimes, bongos, congas, claps, tambourines, dunun, sangban, kenkeni, balafon and many more standard and exotic percussion instruments.*



### FEATURES



Culture's audio engine is a completely independent development of yellow tools and offers powerful features, an intelligent user interface and is optimized for the simultaneous use of several-thousand sound samples. The amazing results are made possible by the fact that the engine was developed for the sounds AND the sounds for the engine.

- ◆ Highly optimized engine for low CPU load
- ◆ Powerful MIDI processing including keyswitch option
- ◆ Flexible and intuitive handling of multis, layers and single keygroups
- ◆ Up to 16 audio outputs
- ◆ Simultaneous use of up to 8 different layers
- ◆ Hundreds of stunning single and multi patches using over 20,000 samples
- ◆ Intelligent polyphony management: protection of the natural release of the instruments and also the adjustment of voice usage per layers and notes to save CPU power
- ◆ The Pre Silence parameter applies a slight initial delay to each note that adds a humanizing element to your performance. For example, when a group of percussionists playing a note at the same time, they never hit the note right on the spot.
- ◆ Easy and fast switching between different instruments with previously assigned keys or the modwheel. So the hands can stay where they should be: on the keyboard...
- ◆ Basic and pro editor modes
- ◆ Cross platform plug-in compatibility: VST 2.0 (PC, Mac OS 9 and OS X); RTAS (MAC OS 9); MAS, RTAS OS X and AU for free download when available
- ◆ Compatible with Digital Performer, ProTools Logic, Cubase, Nuendo, SONAR, etc. up to 32bit/192kHz.



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

# YELLOW TOOLS

## MAJESTIC

### Modular Virtual Bass Instrument

Majestic covers with 9GB finest sound samples the whole range of electric basses, useful for all styles of music. You can play Majestic's e-basses with the different playing styles fingered, fingered muted, slapped, thumbed, picked and picked muted and in addition with the playing techniques long notes, vibrato notes, short notes, ghosts, tappings, hammer ons, 8th notes, slow slides, fast slides, back slides, fret noises, FX... everything with up to 8 velocity splits per note. To achieve even more authentic e-bass performances, the instruments were recorded in two different scales. Next to the international well-known and specifically for the MVI optimized instruments of the yellow tools pure e-basses libraries, Majestic was enhanced with a vast number of e-basses.

Majestic delivers the whole range of e-bass instruments:

Music Man Sting Ray, Höfner Beatles Bass, Höfner shortscale, Ibanez BTB 5-string, Warwick Streamer Stage 1 fretless, Danelectro, Fender Jazz Bass, Fender Jazz Bass fretless, Fender Precision Bass, Rickenbacker, Epiphone Jack Cassidy Signature Model,

Gibson EB-0, Steinberger headless and Warwick Thumb 5-string.



- ◆ Highly optimized engine for low CPU load
- ◆ Powerful MIDI processing including keyswitch option
- ◆ Flexible and intuitive handling of multis, layers and single keygroups
- ◆ Up to 16 audio outputs
- ◆ Simultaneous use of up to 8 different layers
- ◆ Hundreds of stunning single and multi patches using over 20,000 samples
- ◆ Intelligent polyphony management: protection of the natural release of the instruments and also the adjustment of voice usage per layers and notes to save CPU power!
- ◆ Basic and pro editor mode
- ◆ Cross platform plug-in compatibility
- ◆ Compatible with Digital Performer, ProTools and any VST 2.0 compatible Host like Logic, Cubase, Nuendo etc. up to 32bit/192kHz



COMPUTER SOFTWARE

1187

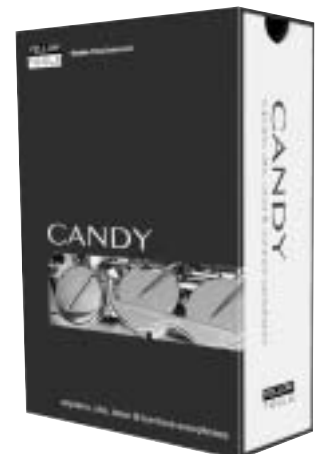
## CANDY

### Modular Virtual Saxophone Instrument

- ◆ The same 2 DVDs, 1 CD, MVI package as Culture
- ◆ Includes 11,000 Samples of the highest quality saxophones:
  - soprano, alto, tenor, bariton, bass saxophones
  - Classic, Jazz and Metal-mouth pieces
  - playing styles: long notes, short notes, vibrato, staccato, long and short sforzando, long & short falls, overdrives, FX - playing techniques: piano, mezzo-forte, forte, fortissimo, with up to 4 velocity splits per note.

#### Special features:

- ◆ after touch volume: press the already played key even more to increase the volume after the sample is already played. You can adjust the time and the volume
- ◆ alternate: if a sample is played twice, another sample of the same note is played with the second hit, so you will not have the same sample two times after another.
- ◆ SP-switch: you can switch between two layers with the sustain pedal. Amazing for long notes on the one layer and vibrato notes on the second. It is like keyswitch but you don't have even to move your fingers from the keys.



ORDER & INFO. (212) 444-5088 • FAX: (212) 239-7770 (800) 947-7008  
1-800-875-6951 • www.bhphotovideo.com

