

Now available at the original introductory price:

Synchron Stage Reverb



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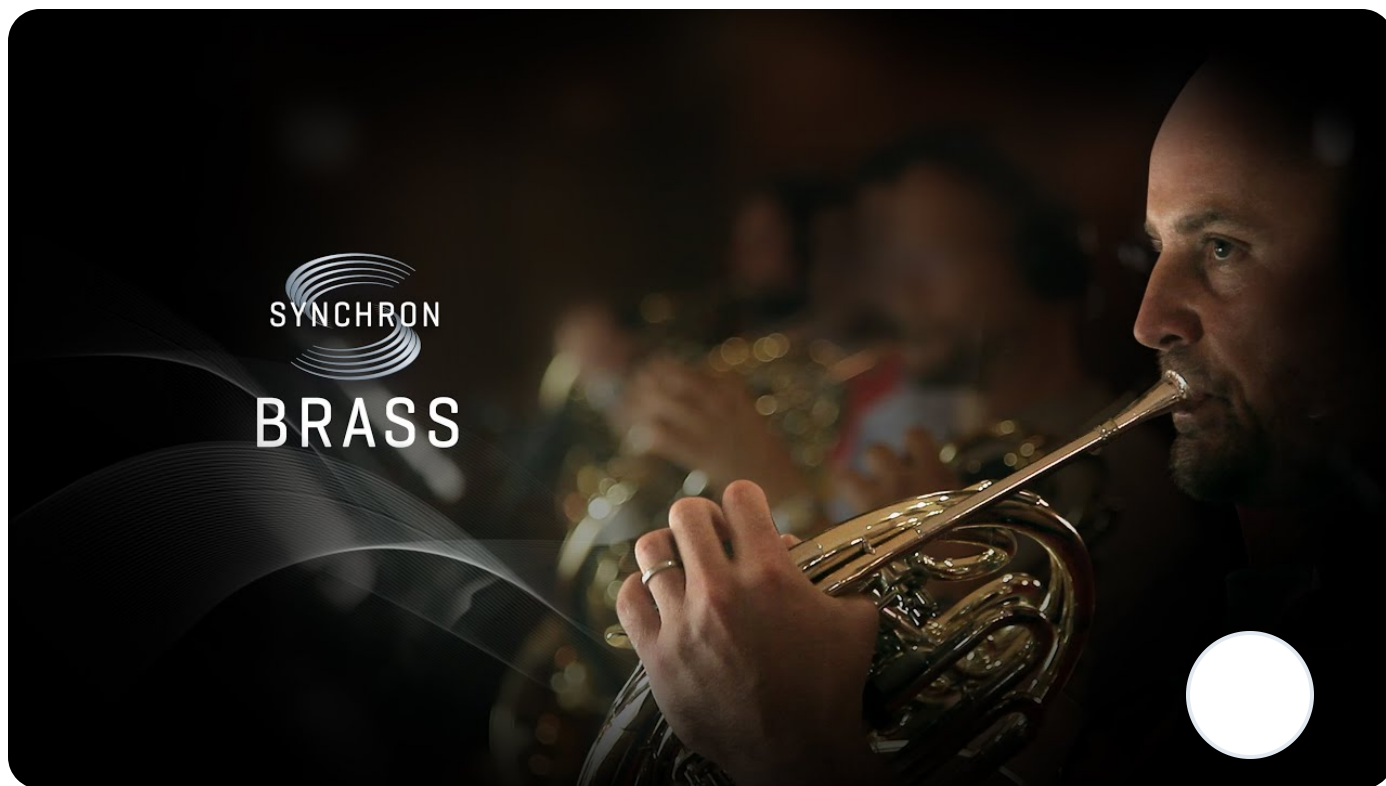
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Introduction

Welcome to the Vienna Symphonic Library's series of Synchron Instruments! The instruments were recorded at Stage A, the main hall of Vienna's revitalized Vienna Synchron Stage. The



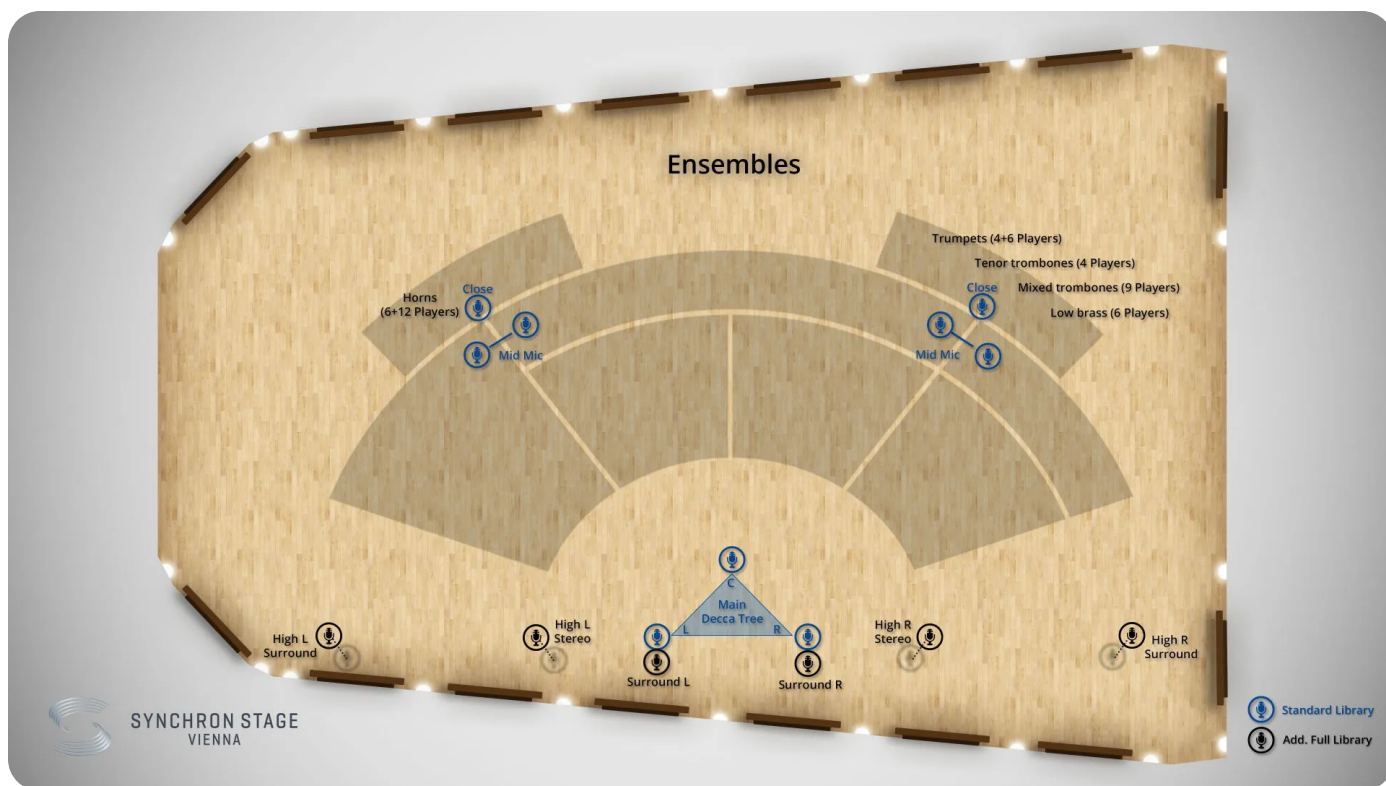
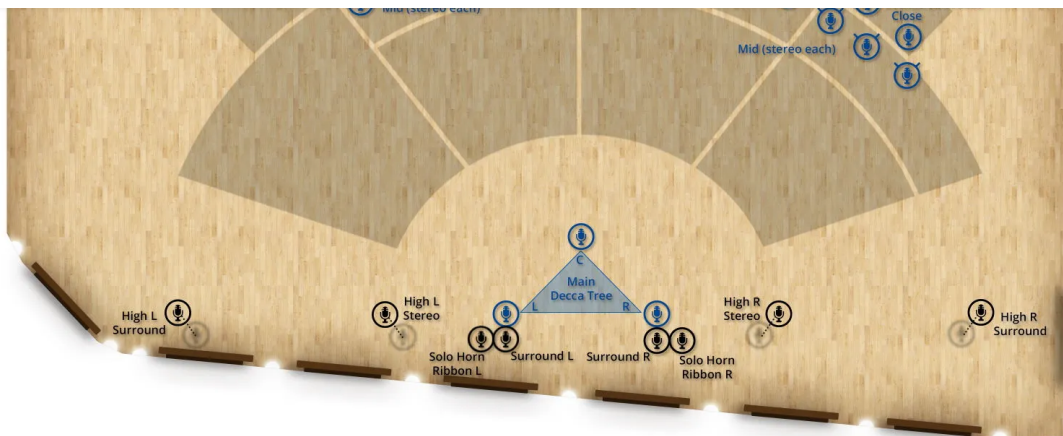
regular Brass collection: Trumpet 1 Sordino and Trumpets-4 Sordino.

Standard and Extended Library



All the instruments were recorded using up to 9 separate phase-coherent microphone configurations. The Standard Library includes 4 of these sections (as well as a RAM-friendly Room Mix section composed of merged samples from the individual positions), allowing you to integrate instruments recorded with a stereo Decca tree into your projects using the Vienna Synchron Player stand-alone or as a plug-in instrument. Adding the Extended Library and thus getting the Full Library expands your possibilities to 5.1 surround and Auro 3D 9.1.

Microphone positions



Standard Library

1. Close Mic – Mono
2. Mid Layer Mic – Stereo (L/R)
3. Main/Room Mic – Decca Tree Stereo (L/R)



7. High Surround (3D) – Stereo (L/R)
8. Solo Horn Back Mic – Mono (Horn 1/2 only)
9. Solo Horn Room Ribbon Mic – Stereo (L/R) (Horn 1/2 only)

Mixer Presets

The instrument presets also include different mixer presets. By default the Ambience room mixes are loaded, which feature the Standard Library microphone position "Room-Mix", for best performance out of the box.

All mixer presets are balanced in the stereo field to represent the respective instrument's position in the Synchron Stage set-up and are created by Bernd Mazagg, Technical Director & Chief Recording Engineer at Vienna Synchron Stage.

0. Room-Mix Presets

- Come with the Standard Library and are based on a mix of all available room microphones, blended with Solo and Mid Mics.

1. Decca Tree Multi Mic Presets

- Are also part of the Standard Library and are designed around the classic sound of the Decca Tree microphones.

2. Surround to Stereo Downmix Presets

- Come with the Full Library and take advantage of the full array of microphones.

3. Surround Presets (only available in a surround setup)

- Are also available with the Full Library and let you adjust the settings for any surround mixing situation, from 5.1 to immersive surround.



Additionally, we have added "Signature" presets, created by Johannes Kirsch and Benjamin Belikov:

11. Signature Presets - Standard Library

1. Brave

- A "lowpassed approach" to use the instruments in slow and silent passages.

2. Fierce

- Harsh and direct sound to bring the focus to the corresponding instruments. Also can be used as one brass layer.

3. Petite

- Designed to put the brass a little bit in the background to create space for other elements.

4. Eager

- Wide and roomish sound to create big arrangements.

5. Victorious

- Pristine sound in a big enviroment to widen up the arrangement.

12. Signature Presets - Full Library

1. Soaring

- Designed to have an uplifting, soft, but still detailed sound while being upfront, making the featured instrument/section stand out. Great for solo lines, but avoid using it with too many instruments at once.



4. Amber

- Compressed, slightly muffled and saturated sound.
- Features similar characteristics as the Elite Strings' "Amber" preset.

5. Glacier

- An impressive view: The majestic white of the mountains gives you the chills. Soft attacks, espressivo and different vibrato variations will complement this breathtaking view.
- Features similar characteristics as the Elite Strings' "Glacier" preset.

6. Golden Times

- Why just hear about the good old days if you can enjoy them yourself?!? The Hollywood of the 1940s and 1950s is always around the corner.
- Features similar characteristics as the Elite Strings' "Golden Times" preset.

7. Enraged

- Compressed and EQed to create an angry, dry brass sound. Combine this with "Con fortissimo" articulations and compression on the brass mix bus for maximum effect.

Immersive Sound and Auro 3D

Auro 3D is an immersive audio technology that allows for three-dimensional sound perception. The Belgian company Auro Technologies developed this technology based on a special speaker configuration, adding four additional speakers to a 5.1 surround configuration. These speakers (so-called "heights") are situated above the front and surround speakers and



Flow and Precision Presets

The collection's instruments provide two different kinds of Presets, accessible by clicking on the icons "Flow" resp. "Precision" in the Synchron Player's top bar. **Flow Presets** offer an intuitive, graphic approach to the library's contents, with instrument, articulation, and sound parameters displayed in a single window.

Precision Presets are what you already know if you own other VSL libraries. They allow you to explore the depths of the library, adjusting and tweaking parameters as you see fit.



Mixer Presets

For each instrument, there are a number of Mixer Presets for stereo and surround microphone configurations that depict different recording situations: Close, Classic, Wide, Distant, and Ambience. The stereo options also offer Lush, Lush long, Sparkling, Catchy, and Fanfare. Apart from that, you will also find Processed Standard Mixer Presets, which give you an idea of the possibilities and may present a good starting point for your own creations, as well as Signature Presets tailored to the respective instrument.

Flow Presets

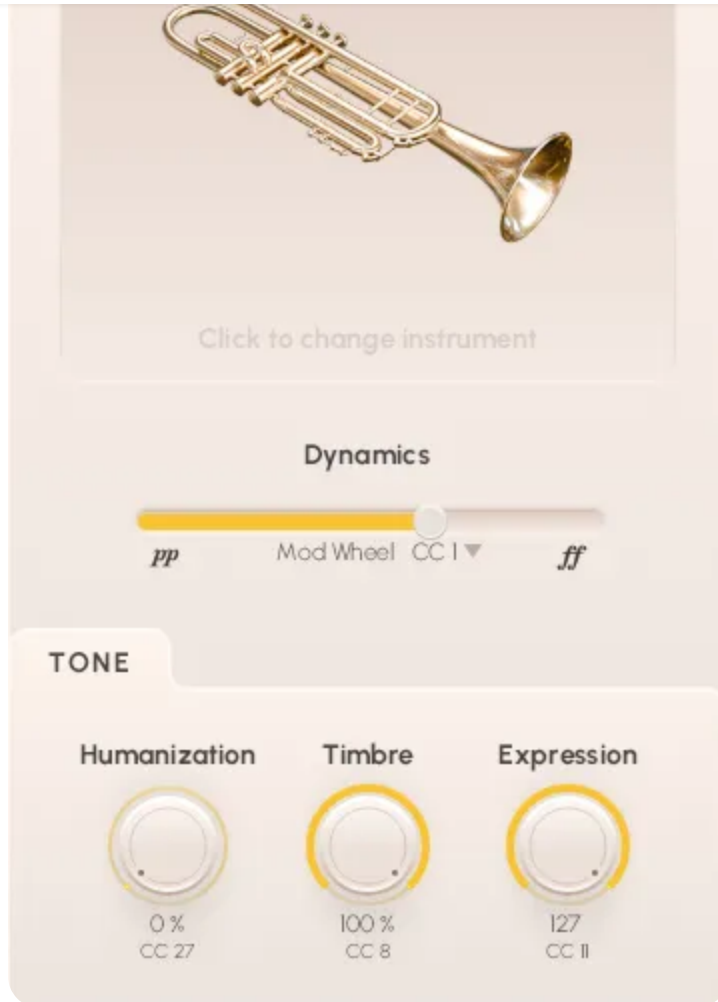
Flow Presets give you instant access to the most important parameters of an instrument, its articulations, and general sound settings in the Synchron Player's Flow view. The display is subdivided accordingly, with the graphic keyboard underneath. On the Flow Browser page, you can click on START TOUR to step through explanations of the different Flow elements and parameters as shown below.



Instrument / Tone

The Instrument section shows a symbolic image of the selected **Instrument**, headed by the name of the loaded Preset. You can return to the Flow Browser to select another instrument by clicking on the field. Clicking on the Info circle will connect you to the Vienna Academy, our instrumentology site.

The **Dynamics** fader under the instrument is set to the modwheel (MIDI CC1) or keystroke velocity by default – with the long notes used in the example below, it is the modwheel, meaning that you can influence the volume of a note being played by changing the controller value. You could also set it to a breath controller (MIDI CC2), leaving your hand free for other stuff. The staccatos, e.g., are set to keystroke velocity, as changing the volume of short notes while they are sounding hardly makes sense.

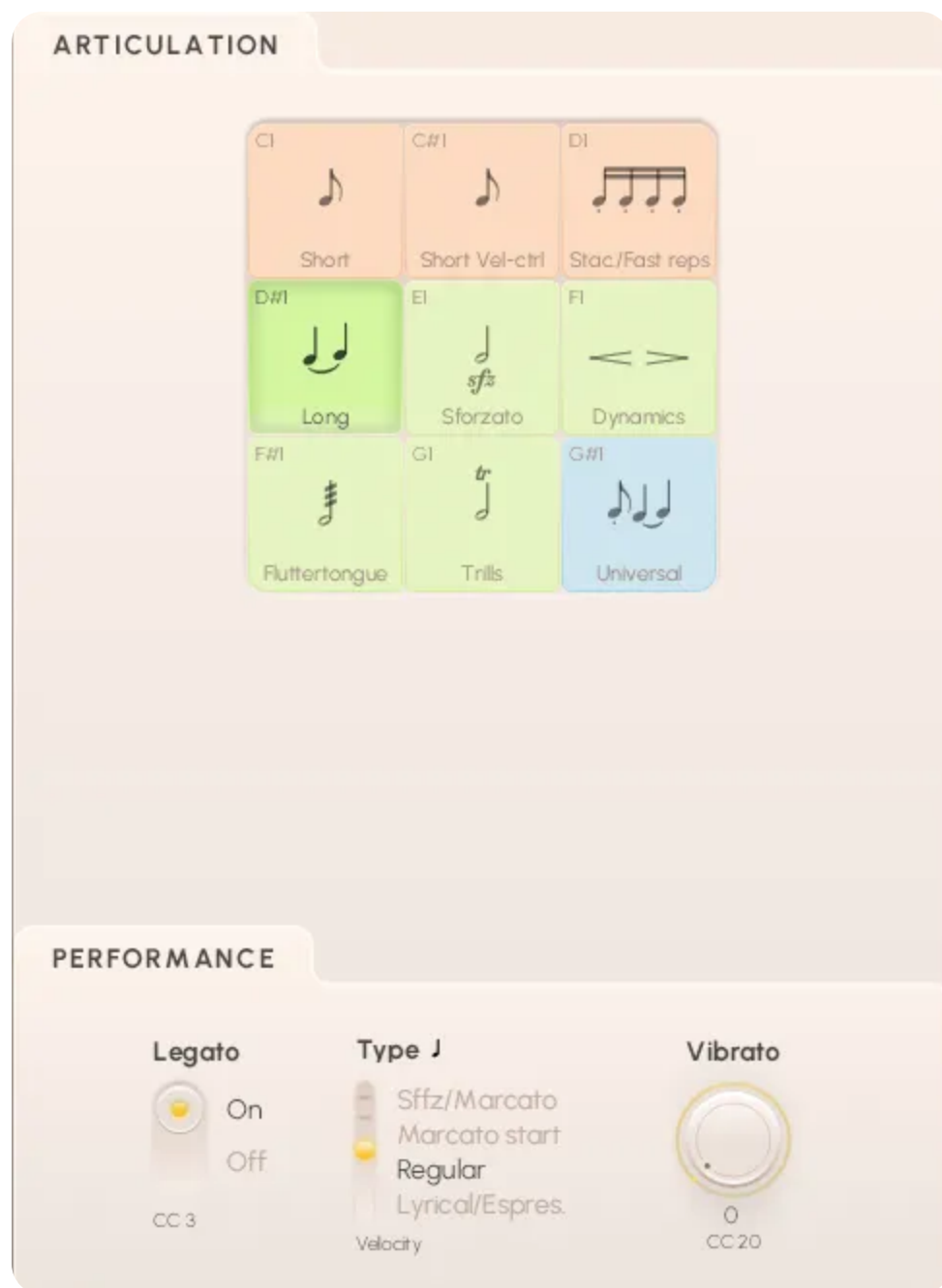


In the **Tone** field, you get access to three other items which may be an important factor in making your piece sound truly alive:

- **Humanization** (MIDI CC27) lets you determine the percentage of not being exactly on time – a kind of counter-quantization that introduces an element of necessary imperfection.
- **Timbre** (MIDI CC8) affects the tone of the instrument, making it sound brighter or darker.
- **Expression** (MIDI CC11) is an additional volume control defining a percentage of CC7 (volume), and can be used for automation.



the Universal articulation that allows you to perform without keyswitching.



The **Performance** field contains all the playing variants of the selected articulation. So, depending on the number and type of variants, the performance options may look quite simple.

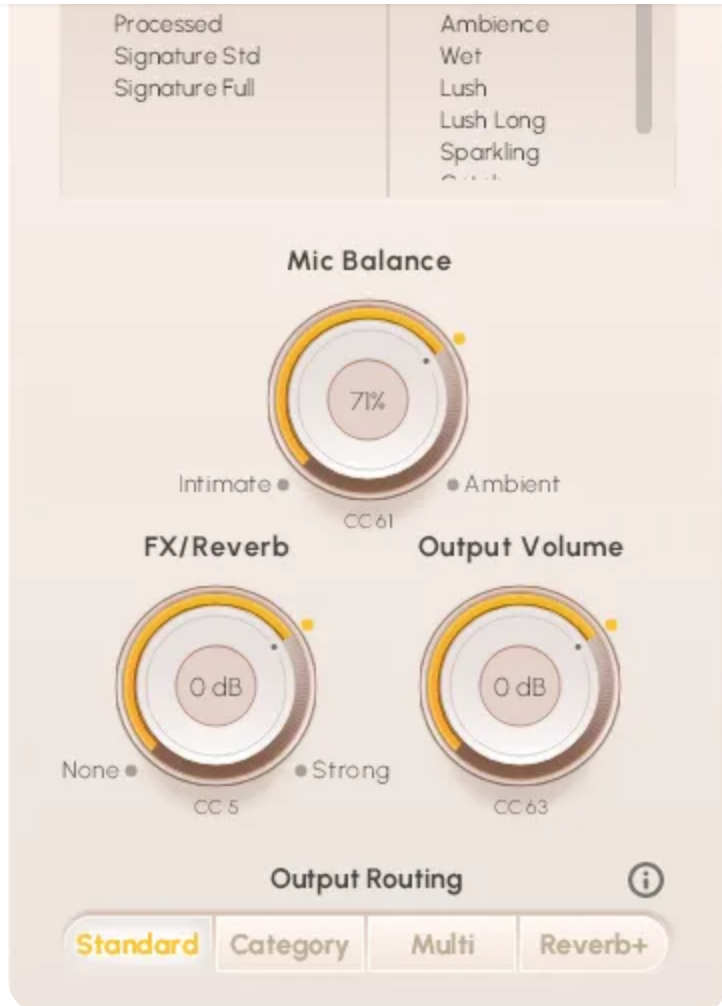


- The **Legato** option of long notes and trills can be switched on and off with MIDI CC3.
- Some instruments feature a **Vibrato** fader knob assigned to MIDI CC20, allowing you to “soft-switch” with a narrow crossfade area between samples without and with vibrato.
- **Release** offers different release options – e.g., switching between ringing and cut release of the fast repetitions – with the help of MIDI CC4.

Sound

In the **Sound** pane, you can select a basic **Category** on the top left, and one of the **Mixer Presets** from that category on the right.

- **Mic Balance** (MIDI CC61) adjusts the relation between intimate and ambient microphoning.
- **FX/Reverb** (MIDI CC5) sets the amount of reverb, which is different in intensity according to the selected preset.
- **Output Volume** (MIDI CC63) takes care of how much of what you do comes out of the Synchron Player.



Finally, there is the choice of **Output Routing** represented by the four buttons *Standard*, *Category*, *Multi*, and *Reverb+*:

- *Standard* is the standard Stereo configuration where all microphones are routed to the master output.
- *Category*: here, only the ambient microphones are routed to the master output, while close microphones go to output 2,
- *Multi* routes all microphones to different outputs.
Master out – Main, Room-Mix, Reverb
Output 2 – Main-Center
Output 3 – Surround



If you're not sure about the routing options, you can also click on the information button next to the heading.

Precision Presets

Precision Presets comprise all recorded Patches of an instrument or ensemble in Articulation groups, which again contain Types of the respective Articulation, with further options if available. If you happen to be short of RAM, you can deactivate Articulations you do not need, and if necessary activate them again.

By default the **Articulation keyswitches** are mapped starting from C1 (for Middle C = C4) for trumpets, horns, tenor trombone, the trombone ensemble of 4 players, and starting from C6



the instrument, and will be listed there.

Dimension Controllers offer additional options within some Articulations or Types, most notably that of adding marcato attacks to long notes, or crossfading between vibrato variants. The controller function is indicated by the respective caption, as of course it may take on different tasks as needed.

Preset types

There are three basic Preset types for every section, marked "VelXF sus", "VelXF", and "Velocity". In the first, velocity crossfading is activated for long notes and can be controlled with MIDI controller CC1, the modwheel, while the dynamics of short notes are controlled by keystroke velocity, thus facilitating phrasing. In the second, all articulations have velocity crossfading activated for MIDI CC1, while the third Preset reacts only to keystroke velocity. Velocity



Timbre Adjust

The Synchron Player feature "Timbre Adjust" presents a great alternative and addition to Velocity XFade. It is an intelligent filter tuned to work with Synchron Brass, as it simulates dynamic changes without actually switching through the available velocity layers. It can be controlled with MIDI CC8.

The velocity split points of patches are:

- 2 Layers: 0–80, 81–127
- 3 Layers: 0–40, 41–100, 101–127
- 4 Layers: 0–40, 41–80, 81–100, 101–127

Trumpet 1, Trumpet 2

Short notes

Short and long staccato, bold and agile; portato bold and agile; and portato long.

- Bold / Agile: A0/B0



Long notes

Sustained notes, regular, con fortissimo, and espressivo with and without vibrato, and a regular/marcato attack option.

- Vibrato options: A2-B2
- Vibrato crossfading: Dim.Ctrl/C (MIDI CC20)



Marcato

- Marcato intensity: Dim.Ctrl/A
- VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3

Legato



- vibrato crossfading: Dim.Ctrl/C (MIDI CC20)

Auto-speed

This option implements a controller on Dim.Ctrl/D to switch automatically between regular and fast legato according to playing speed.

- Speed controller: Dim.Ctrl/D (playing speed)



Espressivo

Unlike regular and con fortissimo, espressivo does not offer different playing speeds.

Dynamics



Crescendo and diminuendo soft

- Vibrato options: A2-B2
- Vibrato crossfading: Dim.Ctrl/C (MIDI CC20)



Flutter tongue and trills

Flutter tonguing, normal and marcato; half and whole tone trills.

- Marcato intensity: Dim.Ctrl/A – VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3



Fast repetitions

Fast repetitions, 120/130/140/160 bpm, with ringing and cut release.

- Ringing/cut release: A0/B0



Upbeats

1–3 upbeats.



Trumpet 1 Sordino (Special Brass)

With some exceptions, **Trumpet 1 Sordino** (Special Brass) has the same articulations as Trumpet 1. Owners of both instruments are also provided with a merged Preset, where one can switch between articulations without and with sordino via keyswitch.

- **Senza/con sordino:** A6/B6.



Trumpet ensembles, 4 and 6 players

Staccato

Staccato, bold and agile.

- Bold / Agile: A0/B0



Long notes

Sustained notes, regular and con fortissimo, and a regular/marcato attack option.

- 4 players only: Espressivo
- Marcato intensity: Dim.Ctrl/A – VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3.



Legato

Legato regular and con fortissimo, and marcato start notes.

- 4 players only: espressivo.



Dynamics

Sforzato and sforzatissimo; strong crescendo, 2/3.5 sec.

- 4 players only: soft and very soft crescendo, soft diminuendo
- Strong crescendo duration: F#2/G2



Fast repetitions

Fast repetitions, 120/130/140/160 bpm, with ringing and cut release.

- Ringing/cut release: A0/B0



Trumpets-4 Sordino

With some exceptions (e.g., no soft crescendos and diminuendos), **Trumpets-4 Sordino** (Special Brass) has the same articulations as the regular trumpet ensemble Trumpets-4. Owners of both instruments are also provided with a merged Preset, where one can switch between articulations without and with sordino via keyswitch.

- **Senza/con sordino:** A6/B6.



Horn 1, Horn 2

Short notes

Short and long staccato, bold and agile; portato bold and agile; and portato long.

- Bold / Agile: A0/B0



Long notes

Sustained notes, regular, con fortissimo, and espressivo, and a regular/marcato attack option.

- Marcato intensity: Dim.Ctrl/A – VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3



Legato

Legato regular and con fortissimo, normal and fast; espressivo; and marcato start notes. The auto-speed option implements a controller on Dim.Ctrl/D to switch automatically between regular and fast legato according to playing speed.

- Speed options: F6–G6
- Speed controller: Dim.Ctrl/D (playing speed)



Dynamics

Sforzato and sforzatissimo; strong and soft crescendo and diminuendo, 2/3/4 sec.

- Crescendo/diminuendo duration: G2–A2



Flutter tongue and trills

Flutter tonguing, normal and marcato; half and whole tone trills.

- Marcato intensity: Dim.Ctrl/A – VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3



Fast repetitions

Fast repetitions, 120/130/140/160 bpm, with ringing and cut release.

- Ringing/cut release: A0/B0



Rips

No further options.



Horn ensembles, 6 and 12 players

Staccato

Staccato, bold and agile.

- Bold / Agile: A0/B0



Long notes

Sustained notes, regular, con fortissimo, espressivo, and a regular/marcato attack option.

- Marcato intensity: Dim.Ctrl/A – VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3



Legato

Legato regular, con fortissimo, espressivo, and marcato start notes.



Dynamics

Sforzato and sforzatissimo; strong crescendo, 2/4 sec.

- 6 players only: soft and very soft crescendo, soft diminuendo
- Strong crescendo duration: G2–A2



Flutter tongue and trills (6 players only)

Flutter tonguing, normal and marcato; half and whole tone trills.

- Marcato intensity: Dim.Ctrl/A – VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3



Fast repetitions (6 players only)

Fast repetitions, 120/130/140/160 bpm, with ringing and cut release.

- Ringing/cut release: A0/B0



Rips

6 Horns: Rips.

12 Horns: Rips, slow and fast.



- Bold / Agile: A0/B0

Long notes

Sustained notes, regular, con fortissimo, and espressivo, and a con fortissimo/marcato attack option.

- Marcato intensity: Dim.Ctrl/A – VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3



Legato

Legato regular and con fortissimo, normal and fast; espressivo; and marcato start notes. The auto-speed option implements a controller on Dim.Ctrl/D to switch automatically between regular and fast legato according to playing speed.

- Speed options: F6–G6
- Speed controller: Dim.Ctrl/D (playing speed)



Dynamics

Sforzato and sforzatissimo; crescendo and diminuendo, 2/3/4 sec.

Only the tenor trombone has strong and soft crescendo variations.

- Crescendo/diminuendo duration: G6–A6



Flutter tongue (Tenor and Bass trombone)

Flutter tonguing, normal and marcato.

- Marcato intensity: Dim.Ctrl/A – VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3



Fast repetitions

Fast repetitions, 120/130/140/160 bpm, with ringing and cut release.

- Ringing/cut release: A0/B0



Trombone ensemble, 4 players

Staccato

Staccato, bold and agile.

- Bold / Agile: A0/B0



Long notes

Sustained notes, regular, con fortissimo, espressivo, and a regular/marcato attack option.

- Marcato intensity: Dim.Ctrl/A – VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3



Legato

Legato regular, con fortissimo, espressivo, and marcato start notes.



Dynamics

Sforzato and sforzatissimo; strong crescendo, 2/4 sec.; soft and very soft crescendo, soft diminuendo.

- Strong crescendo duration: G2–A2



Flutter tongue

Flutter tonguing, normal and marcato.

- Marcato intensity: Dim.Ctrl/A – VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3



Fast repetitions (6 players only)

Fast repetitions, 120/130/140/160 bpm, with ringing and cut release.

- Ringing/cut release: A0/B0



Glissando

Glissandos, up and down, minor and major 2nds, and 4ths.



- Bold / Agile: A4/B4

Long notes

Sustained notes, regular, con fortissimo, soft with normal and fast attack, and a regular/marcato attack option.

- Normal/fast attack: A4/B4



Marcato

- Marcato intensity: Dim.Ctrl/A – VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3.

Dynamics

Sforzato and sforzatissimo; crescendo, 2/4 sec.



Low brass, 6 players

The Low brass Presets feature different line-ups, two of them with cluster articulations. The line-up with 5 players and contrabass tuba only offers Staccato, Long notes, and Dynamics articulations, and the 6 player clusters lack Legato. These two have a copy of the Long notes instead of Legato.

- Line-up: C1-D1
- Articulations: C5-G5

Staccato

Staccato, bold and agile.

- Bold / Agile: A0/B0



Reg. XF Clusters

The articulations of this line-up are the same as those of that with 5 players, but offer the possibility to crossfade between regular notes and clusters.

- Cluster XF: Dim.Ctrl/B (CC4)



Long notes, Legato

Sustained notes, regular, con fortissimo, soft, espressivo, and a con fortissimo/marcato attack option.

- Marcato intensity: Dim.Ctrl/A – VelXF sus and VelXF Preset: keystroke velocity; Velocity Preset: MIDI CC3



Dynamics

Sforzato and sforzatissimo; crescendo, 2/4 sec.

- Strong crescendo duration: G6/A6.

Flutter tongue and trills



Fast repetitions

Fast repetitions, 120/130/140/160 bpm, with ringing and cut release.

- Ringing/cut release: A4/B4



Glissando

Glissandos, up and down, minor and major 2nds.

The 5 players line-up also features 4th glissandos.

Giant tutti brass, 28 players



Staccato, bold and agile.

- Bold / Agile: A6/B6

Long notes, Legato

Sustained notes, regular and con fortissimo.

- Type switch: C7/C#7



Dynamics

Sforzato and sforzatissimo; crescendo, 2/4 sec.

- Crescendo duration: G6/A6





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