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previously "SYNCHRON-ized Woodwinds"

Introduction

Studio Woodwinds was specifically created to enrich the tonal palette of your Synchron Instruments with the inimitable sound of our concert guitar, overdrive guitar, and upright bass recordings.

Sound Categories

The Presets of each instrument are subdivided into several Articulation categories (depending on the instrument) plus a "Custom" slot ready for your own creations:

- Short notes
- Long notes
- Legato
- Dynamics
- Flutter tonguing, trills, fast repetitions
- Runs



- Multiphonics (Clarinet Bb 2)

Within these Articulation categories, you can select a Type (if applicable), e.g., soft or normal legato, and for some of the types there are additional options available, such as marcato or vibrato type control.

Included Presets

The instrument Presets comprise all recorded Patches in Articulation groups, which again contain Types of the respective Articulation, with further options if available. The general structure was modeled after our other Synchron Collections, making it easy to switch or combine instruments without major adaptations.

Articulations are disabled by default. Enabling an Articulation means that all the Types contained will be activated, too, so if you happen to be short of RAM it is advisable only to activate what you really need (you can always add more Types later).

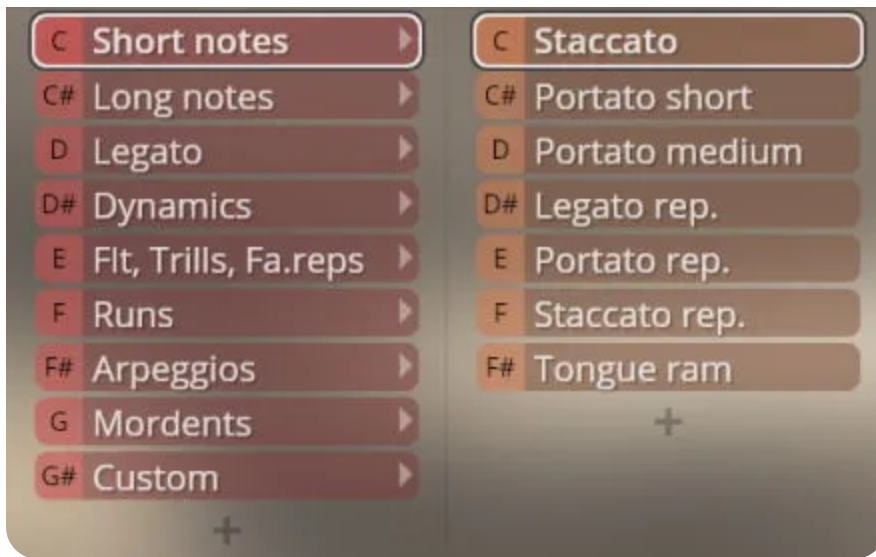
By default the keyswitches for Articulations are mapped from C1 to G#1 (for Middle C = C4) for higher instruments, and C6 to F#6 for bass instruments. For the available Types, the keyswitches start from C2 for high instruments, and from C7 for low ones.

Additional options within Articulations or Types are offered by the Dimension Controllers. The controller function is indicated by the respective caption, as of course it may take on different tasks as needed.

Short notes

Staccato, short and medium portato, as well as legato, portato, and staccato repetitions.

- **Flute 1:** staccato tongue ram notes on Type keyswitch F#2
- **Clarinet in Bb 2:** slaps and key noises on Type keyswitches F#2/G2



Long notes

Sustained notes, regular and marcato, without and with vibrato. Use Dim.Ctrl/B (CC1) to switch between vibrato and no vibrato.

- **Piccolo flute**: progressive instead of no vibrato.
- **Clarinet in Bb 1, Bass clarinet**: only normal and marcato without vibrato options.

Use Dim.Ctrl/B (CC1) to switch between vibrato styles and the vibrato crossfade option.



XF vibrato

Use Dim.Ctrl/C (CC20) to crossfade between vibrato styles.



Legato

Performance legato, regular speed and fast, without and with vibrato, and auto-speed. “Pure” legato without XFades into sustained notes, and marcato legato with accented note transitions.

- **Piccolo flute:** progressive instead of no vibrato.
- **Clarinet in Bb 1:** no vibrato options, slow and fast glissando on Type keyswitches F2/F#2.
- **Bass clarinet:** no vibrato options.

The layout is the same as for the long notes, with an additional controller for the Auto-speed slot.

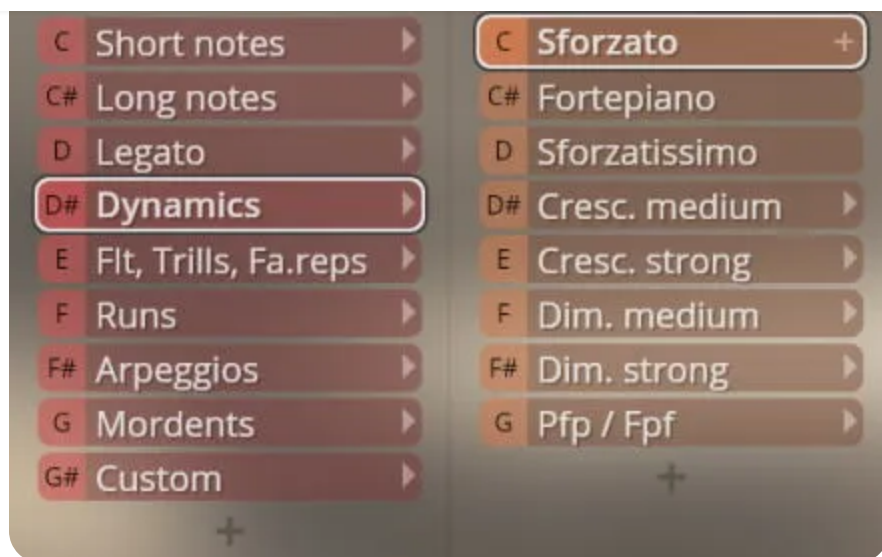
Use Dim.Ctrl/B (CC1) to switch between vibrato styles and the vibrato crossfade option.
Dim.Ctrl/C (CC20) crossfades between vibrato styles if the XF vibrato slot is selected.



Dynamics



- Piccolo flute
 - no sforzatissimo
- Flute 2
 - no sforzatissimo
 - no fpf
- Oboe 1, English horn
 - no fpf
- Clarinet Bb 1
 - additional light crescendo and diminuendo
- Clarinet Bb 2
 - light instead of medium crescendo and diminuendo
 - no fpf
- Bass clarinet
 - no fpf
- Bassoon 2
 - no sforzatissimo
 - no pfp and fpf
- Contrabassoon
 - crescendo and diminuendo FX on E2/F#2
 - no fpf



Crescendo and diminuendo, pfp, fpf

Where vibrato options are available, use Dim.Ctrl/B (CC1) to switch between vibrato styles and the vibrato crossfade option.



Vibrato crossfading



Contrabassoon FX

Instead of vibrato styles, the contrabassoon's strong crescendo and diminuendo offer the option to switch to FX articulations using Dim.Ctrl/B (CC1).



Flutter tonguing, trills, fast repetitions

This Articulation contains different playing types according to instrument.

- **Flutter tonguing:** normal and marcato. All instruments.
- **Trills:** half and whole tone. Except Clarinet in Bb 2, Bassoon 2, Contrabassoon.
- **Fast repetitions:** according to instrument, 4 to 6 speeds between 140 and 210 BPM. Except Oboe 1 and 2, English horn, Bass Clarinet, Contrabassoon.



Marcato

Flutter tonguing offers the option to create marcato sounds using Dim.Ctrl/A (CC3) to adjust the marcato intensity.



Runs

Octave runs, up and down, major and minor, chromatic and whole tone.
Except English horn, Clarinet Bb2, Bassoon 2, Contrabassoon.

Major / minor

Major and minor octave runs in all 12 keys.



Special

Chromatic and whole tone runs.

Arpeggios



Major / minor

Major and minor arpeggios in all 12 keys, mapped to the starting notes of the chords and their inversions, e.g., C-E-G for C major.

Diminished

Diminished arpeggios, legato and staccato, up and down.



Mordents

Single and double mordents up and down on minor and major 2nd intervals, mapped to their target notes.

Single mordent, minor 2nd up / down; single mordent, major 2nd up / down; minor 2nd – minor 2nd up / down; minor 2nd – major 2nd up / down; major 2nd – minor 2nd up / down; major 2nd – major 2nd up / down.

Piccolo, Flute 1, Oboe 2.



Clarinet 2: Multiphonics

A collection of the clarinet's multiphonics: 4 variations of double-sounds, 7 variations of multi-sounds, and underblowing.



Custom

This Articulation does not yet contain any samples. It provides 6 slots ready for you to configure presets of your own.

Patches

Patches can be used to customize your own Presets according to your needs and preferences. This section lists the available Articulations for all ensembles.

01 Piccolo

- **Range:** C5-C8

01 PFL_staccato - Staccato

- **Velocity Layers:** 3



- 101-127 f
- Variations: 2
- Samples: 210

02 PFL_portato-short - Portato, short

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Variations: 2
- Release Samples
- Samples: 315

03 PFL_portato-medium - Portato, medium

- Velocity Layers: 3
 - 0-40 p
 - 41-100 f
 - 101-127 ff
- Release Samples
- Samples: 245

04 PFL_sus_pV - Sustained, progressive vibrato

- Velocity Layers: 2
 - 0-80 p



- Release Samples
- Samples: 272

05 PFL_sus_mV - Sustained, with vibrato

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Variations: 4
- Release Samples
- Samples: 372

06 PFL_sus-marc_pV - Marcato, progressive vibrato

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Variations: 8
- Release Samples
- Samples: 446

07 PFL_sus-marc_mV - Marcato, with vibrato

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf



- Release Samples
- Samples: 516

10 PFL_flutter - Flutter tonguing

- Velocity Layers: 1
- Release Samples
- Samples: 42

11 PFL_fp - Fortepiano

- Velocity Layers: 1
- Release Samples
- Samples: 105

12 PFL_sfz - Sforzato

- Velocity Layers: 1
- Release Samples
- Samples: 105

21 PFL_legato_pV - Legato, progressive vibrato

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Samples: 759



- 0-40 p
- 41-100 mf
- 101-127 f
- Release Samples
- Samples: 892

23 PFL_legato_fast_pV - Fast legato, progressive vibrato

- Velocity Layers: 2
 - 0-80 mf
 - 81-127 f
- Release Samples
- Samples: 1614

24 PFL_legato_fast_mV - Fast legato, vibrato

- Velocity Layers: 2
 - 0-80 mf
 - 81-127 f
- Release Samples
- Samples: 1827

25 PFL_trill_1 - Trills, minor 2nd

- Velocity Layers: 1
- Release Samples
- Range: C5-B7



28 PFL_perf_2 - Trills, Major 2nd

- Velocity Layers: 1
- Release Samples
- Range: C5-A#7
- Samples: 62

31 PFL_perf-rep_leg - Legato repetitions

- Velocity Layers: 1
- Release Samples
- Range: C5-A7
- Samples: 104

32 PFL_perf-rep_port - Portato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Samples: 306

33 PFL_perf-rep_sta - Staccato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Samples: 306



- velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Samples: 84

01 PFL_perf-legato pure - Legato (XP)

- Velocity Layers: 3
- Release Samples
- Samples: 886

11 PFL_perf-marcato - Marcato (XP)

- Velocity Layers: 1
- Release Samples
- Samples: 362

01 PFL_run-leg_do/up_C-ma (through to B-ma) / 01 PFL_run-leg_do/up_C-mi (through to B-mi) - Octave runs, legato, up and down (XP)

- C to B major / minor
- Velocity Layers: 1
- Samples: 14

01 PFL_run-leg_do/up_chromatic / 01 PFL_run-leg_do/up_whole - Octave runs, legato (XP)

- Chromatic resp. whole tone



01 PFL_arp-leg_do/up_dm / 01 PFL_arp-stac_do/up_dm - Arpeggios, legato / staccato, up and down (XP)

- Diminished
- Velocity Layers: 1
- Samples: 18

01 PFL_arp-leg_do/up_C-ma (through to B-ma) / 01 PFL_arp-sta_do/up_C-ma (through to B-ma) / 01 PFL_arp-leg_do/up_C-mi (through to B-mi) / 01 PFL_arp-sta_do/up_C-mi (through to B-mi) - Arpeggios, legato / staccato, up and down (XP)

- C to B major / minor
- Velocity Layers: 1
- Samples: 6

01 PFL_trill_3 - Trills, minor 3rd (XP)

- Velocity Layers: 1
- Release samples
- Samples: 26

02 PFL_trill_4 - Trills, major 3rd (XP)

- Velocity Layers: 1
- Release samples
- Samples: 24

01 PFL_mord-leg_v1a/b (to v6a/b) - Mordents, legato, 12 variants (XP)



02 Flute 1

- Range: A#3-D7

01 FL1_staccato - Staccato

- Velocity Layers: 5
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-110 f
 - 111-127 ff
- Variations: 2
- Samples: 390

02 FL1_portato-short - Portato, short

- Velocity Layers: 5
 - 0-20 pp
 - 21-40 p
 - 41-100 mf
 - 101-110 f
 - 111-127 ff
- Variations: 2
- Release Samples
- Samples: 585



- **velocity Layers: 5**
 - 0-20 pp
 - 21-40 p
 - 41-100 mf
 - 101-110 f
 - 111-127 ff
- **Release Samples**
- **Samples: 585**

04 FL1_sus_oV - Sustained, without vibrato

- **Velocity Layers: 4**
 - 0-20 pp
 - 21-40 p
 - 41-100 mf
 - 101-127 ff
- **Variations: 4**
- **Release Samples**
- **Samples: 696**

05 FL1_sus_mV - Sustained, with vibrato

- **Velocity Layers: 4**
 - 0-40 pp
 - 41-80 mp
 - 81-100 mf



- Release Samples
- Samples: 651

06 FL1_sus-marc_oV - Marcato, without vibrato

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Variations: 8
- Release Samples
- Samples: 852

07 FL1_sus-marc_mV - Marcato, with vibrato

- Velocity Layers: 4
 - 0-40 pp
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Variations: 8
- Release Samples
- Samples: 807

10 FL1_flutter - Flutter tonguing

- Velocity Layers: 2



- Release Samples
- Samples: 151

11 FL1_fp - Fortepiano

- Velocity Layers: 1
- Release Samples
- Samples: 114

12 FL1_sfz - Sforzato

- Velocity Layers: 1
- Release Samples
- Samples: 114

21 FL1_legato_oV - Legato, without vibrato

- Velocity Layers: 4
 - 0-20 pp
 - 21-40 p
 - 41-100 mf
 - 101-127 ff
- Release Samples
- Samples: 1584

22 FL1_legato_mV - Legato, vibrato

- Velocity Layers: 4



- 81-100 mf
- 101-127 f
- Release Samples
- Samples: 1561

23 FL1_legato_fast_oV - Fast legato, without vibrato

- Velocity Layers: 4
 - 0-20 pp
 - 21-40 p
 - 41-100 mf
 - 101-127 ff
- Release Samples
- Samples: 3167

24 FL1_legato_fast_mV - Fast legato, vibrato

- Velocity Layers: 4
 - 0-40 pp
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Release Samples
- Samples: 3141

25 FL1_trill_1 - Trills, minor 2nd



- 81-127 f

- Release Samples
- Range: A#3-C#7
- Samples: 148

26 FL1_trill_2 - Trills, major 2nd

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Range: A#3-C7
- Samples: 136

31 FL1_perf-rep_leg - Legato repetitions

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Release Samples
- Samples: 396

32 FL1_perf-rep_port - Portato repetitions

- Velocity Layers: 3
 - 0-40 p



- Release Samples
- Samples: 657

33 FL1_perf-rep_sta - Staccato repetitions

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Samples: 540

41 FL1_fast-rep_170 (180/190/200/210) - Fast repetitions, 170-210 BPM

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Release Samples
- Samples: 120

01 FL1_perf-legato pure - Legato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 1039

11 FL1_perf-marcato - Marcato (XP)



- Samples: 1114

01 FL1_run-leg_do/up_C-ma (through to B-ma) / 01 FL1_run-leg_do/up_C-mi (through to B-mi) - Octave runs, legato, up and down (XP)

- C to B major / minor
- Velocity Layers: 2
- Samples: 31

01 FL1_run-leg_do/up_chromatic / 01 FL1_run-leg_do/up_whole - Octave runs, legato (XP)

- Chromatic resp. whole tone
- Velocity Layers: 2
- Samples: 28

01 FL1_arp-leg_do/up_dm / 01 FL1_arp-stac_do/up_dm - Arpeggios, legato / staccato, up and down (XP)

- Diminished
- Velocity Layers: 2
- Samples: 40

01 FL1_arp-leg_do/up_C-ma (through to B-ma) / 01 FL1_arp-sta_do/up_C-ma (through to B-ma) / 01 FL1_arp-leg_do/up_C-mi (through to B-mi) / 01 FL1_arp-sta_do/up_C-mi (through to B-mi) - Arpeggios, legato / staccato, up and down (XP)

- C to B major / minor
- Velocity Layers: 2
- Samples: 14



- Release samples
- Samples: 56

02 FL1_trill_4 - Trills, major 3rd (XP)

- Velocity Layers: 2
- Release samples
- Samples: 68

01 FL1_mord-leg_v1a/b (to v6a/b) - Mordents, legato, 12 variants (XP)

- Velocity Layers: 2
- Samples: 30

01 FL1_staccato_fx - Tongue-ram staccato (XP)

- Velocity Layers: 2
- Samples: 53

03 Flute 2

- Range: A#3-D7

01 FL2_staccato - Staccato

- Velocity Layers: 2
 - 0-80 p
 - 81-127 mf
- Variations: 2



02 FL2_portato-short - Portato, short

- **Velocity Layers: 3**
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- **Variations: 2**
- **Release Samples**
- **Samples: 351**

03 FL2_portato-medium - Portato, medium

- **Velocity Layers: 3**
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- **Variations: 2**
- **Release Samples**
- **Samples: 339**

04 FL2_sus_oV - Sustained, without vibrato

- **Velocity Layers: 4**
 - 0-40 pp
 - 41-80 mp
 - 81-100 mf
 - 101-127 f



- **Samples:** 581

05 FL2_sus_mV - Sustained, with vibrato

- **Velocity Layers:** 3
 - 0-40 pp
 - 41-100 mf
 - 101-127 f
- **Variations:** 4
- **Release Samples**
- **Samples:** 503

06 FL2_sus-marc_oV - Marcato, without vibrato

- **Velocity Layers:** 4
 - 0-40 pp
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- **Variations:** 8
- **Release Samples**
- **Samples:** 813

07 FL2_sus-marc_mV - Marcato, with vibrato

- **Velocity Layers:** 3
 - 0-40 pp



- Variations: 8
- Release Samples
- Samples: 774

10 FL2_flatter - Flutter tonguing

- Velocity Layers: 2
 - 0-80 mf
 - 81-127 ff
- Release Samples
- Samples: 156

11 FL2_fp - Fortepiano

- Velocity Layers: 1
- Release Samples
- Samples: 115

12 FL2_sfz - Sforzato

- Velocity Layers: 1
- Release Samples
- Samples: 115

21 FL2_legato_oV - Legato, without vibrato

- Velocity Layers: 4
 - 0-40 pp



- 101-127 f
- Release Samples
- Range: A#3-C7
- Samples: 1415

22 FL2_legato_mV - Legato, vibrato

- Velocity Layers: 3
 - 0-40 pp
 - 41-100 mf
 - 101-127 f
- Release Samples
- Range: A#3-C7
- Samples: 1341

23 FL2_legato_fast_oV - Fast legato, without vibrato

- Velocity Layers: 4
 - 0-20 pp
 - 21-40 p
 - 41-100 mf
 - 101-127 ff
- Release Samples
- Range: A#3-C7
- Samples: 3015

24 FL2_legato_fast_mV - Fast legato, vibrato



- 41-80 mp
- 81-100 mf
- 101-127 f
- Release Samples
- Range: A#3-C7
- Samples: 2941

25 FL2_trill_1 - Trills, minor 2nd

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Range: A#3-C#7
- Samples: 144

26 FL2_trill_2 - Trills, major 2nd

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Range: A#3-C7
- Samples: 128

31 FL2_perf-rep_leg - Legato repetitions



- 81-127 f

- Release Samples
- Samples: 264

32 FL2_perf-rep_port - Portato repetitions

- Velocity Layers: 3
 - 0-40 pp
 - 41-100 mf
 - 101-127 ff
- Release Samples
- Samples: 657

33 FL2_perf-rep_sta - Staccato repetitions

- Velocity Layers: 3
 - 0-40 pp
 - 41-100 mf
 - 101-127 ff
- Samples: 513

41 FL2_fast-rep_160 (170/180/190/200/210) - Fast repetitions, 160-210 BPM

- Velocity Layers: 3
 - 0-40 pp
 - 41-100 mf
 - 101-127 ff



01 FL2_perf-legato pure - Legato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 1053

11 FL2_perf-marcato - Marcato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 966

01 FL2_run-leg_do/up_C-ma (through to B-ma) / 01 FL2_run-leg_do/up_C-mi (through to B-mi) - Octave runs, legato, up and down (XP)

- C to B major / minor
- Velocity Layers: 1
- Samples: 16

01 FL2_run-leg_do/up_chromatic / 01 FL2_run-leg_do/up_whole - Octave runs, legato (XP)

- Chromatic resp. whole tone
- Velocity Layers: 1
- Samples: 14

01 FL2_arp-leg_do/up_dm / 01 FL2_arp-stac_do/up_dm - Arpeggios, legato / staccato, up and down (XP)



- Samples: 35

01 FL2_arp-leg_do/up_C-ma (through to B-ma) / 01 FL2_arp-sta_do/up_C-ma (through to B-ma) / 01 FL2_arp-leg_do/up_C-mi (through to B-mi) / 01 FL2_arp-sta_do/up_C-mi (through to B-mi) - Arpeggios, legato / staccato, up and down (XP)

- C to B major / minor
- Velocity Layers: 2
- Samples: 14

01 FL2_trill_3 - Trills, minor 3rd (XP)

- Velocity Layers: 2
- Release samples
- Samples: 72

02 FL2_trill_4 - Trills, major 3rd (XP)

- Velocity Layers: 2
- Release samples
- Samples: 60

11 Oboe 1 (French)

- Range: A#3-F#6

01 OB1_staccato - Staccato

- Velocity Layers: 4
 - 0-40 pp



- 101-127 f
- Variations: 2
- Samples: 264

02 OB1_portato-short - Portato, short

- Velocity Layers: 4
 - 0-40 pp
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Variations: 2
- Release Samples
- Samples: 396

03 OB1_portato-medium - Portato, medium

- Velocity Layers: 4
 - 0-40 pp
 - 41-80 mp
 - 81-100 f
 - 101-127 ff
- Variations: 2
- Release Samples
- Samples: 396



- 0-40 p
- 41-80 mf
- 81-100 f
- 101-127 ff
- **Variations: 4**
- **Release Samples**
- **Samples: 532**

05 OB1_sus_mV - Sustained, with vibrato

- **Velocity Layers: 4**
 - 0-40 pp
 - 41-80 mp
 - 81-100 f
 - 101-127 ff
- **Variations: 4**
- **Release Samples**
- **Samples: 532**

06 OB1_sus-marc_oV - Marcato, without vibrato

- **Velocity Layers: 4**
 - 0-40 p
 - 41-80 mf
 - 81-100 f
 - 101-127 ff



- Samples: 570

07 OB1_sus-marc_mV - Marcato, with vibrato

- Velocity Layers: 4
 - 0-40 pp
 - 41-80 mp
 - 81-100 f
 - 101-127 ff
- Variations: 8
- Release Samples
- Samples: 570

10 OB1_flatter - Flutter tonguing

- Velocity Layers: 1
- Release Samples
- Samples: 34

11 OB1_fp - Fortepiano

- Velocity Layers: 1
- Release Samples
- Samples: 99

12 OB1_sfz - Sforzato

- Velocity Layers: 1



21 OB1_legato_oV - Legato, without vibrato

- **Velocity Layers: 4**
 - 0-40 p
 - 41-80 mf
 - 81-100 f
 - 101-127 ff
- **Release Samples**
- **Samples: 1374**

22 OB1_legato_mV - Legato, vibrato

- **Velocity Layers: 4**
 - 0-40 pp
 - 41-80 mp
 - 81-100 f
 - 101-127 ff
- **Release Samples**
- **Samples: 1402**

23 OB1_legato_fast_oV - Fast legato, without vibrato

- **Velocity Layers: 4**
 - 0-40 p
 - 41-80 mf
 - 81-100 f



- **Samples:** 3054

24 OB1_legato_fast_mV - Fast legato, vibrato

- **Velocity Layers:** 4
 - 0-40 pp
 - 41-80 mp
 - 81-100 f
 - 101-127 ff
- **Release Samples**
- **Samples:** 3018

25 OB1_trill_1 - Trills, minor 2nd

- **Velocity Layers:** 2
 - 0-80 p
 - 81-127 f
- **Release Samples**
- **Range:** A#3-F6
- **Samples:** 124

26 OB1_trill_2 - Trills, major 2nd

- **Velocity Layers:** 2
 - 0-80 p
 - 81-127 f
- **Release Samples**



31 OB1_perf-rep_leg - Legato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Samples: 236

32 OB1_perf-rep_port - Portato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Samples: 372

33 OB1_perf-rep_sta - Staccato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Samples: 306

01 OB1_perf-legato pure - Legato (XP)

- Velocity Layers: 2
- Release Samples



11 OB1_peri-marcato - marcato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 976

01 OB1_run-leg_do/up_C-ma (through to B-ma) / 01 OB1_run-leg_do/up_C-mi (through to B-mi) - Octave runs, legato, up and down (XP)

- C to B major / minor
- Velocity Layers: 2
- Samples: 24

01 OB1_run-leg_do/up_chromatic / 01 OB1_run-leg_do/up_whole - Octave runs, legato (XP)

- Chromatic resp. whole tone
- Velocity Layers: 2
- Samples: 22

12 Oboe 2 (Vienna)

- Range: A#3-F#6

01 OB2_staccato - Staccato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf



- **Samples:** 272

02 OB2_portato-short - Portato, short

- **Velocity Layers:** 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- **Variations:** 2
- **Release Samples**
- **Samples:** 408

03 OB2_portato-medium - Portato, medium

- **Velocity Layers:** 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- **Variations:** 2
- **Release Samples**
- **Samples:** 408

04 OB2_sus_oV - Sustained, without vibrato

- **Velocity Layers:** 4



- 81-100 mf
- 101-127 f
- Variations: 4
- Release Samples
- Samples: 536

05 OB2_sus_mV - Sustained, with vibrato

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Variations: 4
- Release Samples
- Samples: 332

06 OB2_sus-marc_oV - Marcato, without vibrato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Variations: 4
- Release Samples
- Samples: 432

07 OB2_sus-marc_mV - Marcato, with vibrato



- 81-127 f

- Variations: 4
- Release Samples
- Samples: 296

10 OB2_flatter - Flutter tonguing

- Velocity Layers: 1
- Release Samples
- Samples: 64

11 OB2_fp - Fortepiano

- Velocity Layers: 1
- Release Samples
- Samples: 102

12 OB2_sfz - Sforzato

- Velocity Layers: 1
- Release Samples
- Samples: 102

21 OB2_legato_oV - Legato, without vibrato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp



- Release Samples
- Samples: 1155

22 OB2_legato_mV - Legato, vibrato

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Samples: 960

23 OB2_legato_fast_oV - Fast legato, without vibrato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Release Samples
- Samples: 2531

24 OB2_legato_fast_mV - Fast legato, vibrato

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples



25 OB2_trill_1 - Trills, minor 2nd

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Range: A#3-F6
- Samples: 180

26 OB2_trill_2 - Trills, major 2nd

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Range: A#3-E6
- Samples: 168

31 OB2_perf-rep_leg - Legato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Samples: 222

32 OB2_perf-rep_port - Portato repetitions



- 81-127 f
- Release Samples
- Samples: 222

33 OB2_perf-rep_sta - Staccato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Samples: 288

01 OB2_perf-legato pure - Legato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 738

11 OB2_perf-marcato - Marcato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 730

01 OB2_run-leg_do/up_C-ma (through to B-ma) / 01 OB2_run-leg_do/up_C-mi (through to B-mi) - Octave runs, legato, up and down (XP)

- C to B major / minor
- Velocity Layers: 2



01 OB2_run-leg_do/up_chromatic / 01 OB2_run-leg_do/up_whole - Octave runs, legato (XP)

- Chromatic resp. whole tone
- Velocity Layers: 2
- Samples: 20

01 OB2_arp-leg_do/up_dm - Arpeggios, legato, up and down (XP)

- Diminished
- Velocity Layers: 2
- Samples: 32

01 OB2_arp-leg_do/up_C-ma (through to B-ma) / 01 OB2_arp- leg_do/up_C-mi (through to B-mi) - Arpeggios, legato, up and down (XP)

- C to B major / minor
- Velocity Layers: 2
- Samples: 10

01 OB2_trill_3 - Trills, minor 3rd (XP)

- Velocity Layers: 2
- Release samples
- Samples: 48

02 OB2_trill_4 - Trills, major 3rd (XP)

- Velocity Layers: 2
- Release samples



01 OB2_mord-leg_vla/b (to vba/b) - Mordents, legato, 12 variants (AP)

- Velocity Layers: 2
- Samples: 30

13 English horn

- Range: E3-C6

01 OB2_staccato - Staccato

- Velocity Layers: 4
 - 0-40 pp
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Variations: 2
- Samples: 264

02 OB2_portato-short - Portato, short

- Velocity Layers: 4
 - 0-40 pp
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Variations: 2
- Release Samples



03 OB2_portato-medium - Portato, medium

- **Velocity Layers: 4**
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- **Variations: 2**
- **Release Samples**
- **Samples: 363**

04 OB2_sus_oV - Sustained, without vibrato

- **Velocity Layers: 4**
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- **Variations: 4**
- **Release Samples**
- **Samples: 499**

05 OB2_sus_mV - Sustained, with vibrato

- **Velocity Layers: 4**
 - 0-40 p
 - 41-80 mp



- Variations: 4
- Release Samples
- Samples: 499

06 OB2_sus-marc_oV - Marcato, without vibrato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Variations: 8
- Release Samples
- Samples: 537

07 OB2_sus-marc_mV - Marcato, with vibrato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Variations: 8
- Release Samples
- Samples: 537

10 OB2_flutter - Flutter tonguing



- Samples: 34

11 OB2_fp - Fortepiano

- Velocity Layers: 1
- Release Samples
- Samples: 99

12 OB2_sfz - Sforzato

- Velocity Layers: 1
- Release Samples
- Samples: 99

21 OB2_legato_oV - Legato, without vibrato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Release Samples
- Samples: 1339

22 OB2_legato_mV - Legato, vibrato

- Velocity Layers: 4
 - 0-40 p



- 101-127 f
- Release Samples
- Samples: 1340

23 OB2_legato_fast_oV - Fast legato, without vibrato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Release Samples
- Samples: 2723

24 OB2_legato_fast_mV - Fast legato, vibrato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Release Samples
- Samples: 2724

25 OB2_trill_1 - Trills, minor 2nd

- Velocity Layers: 2



- Release Samples
- Range: A#3-F6
- Samples: 126

26 OB2_trill_2 - Trills, major 2nd

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Range: A#3-E6
- Samples: 126

31 OB2_perf-rep_leg - Legato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Samples: 236

32 OB2_perf-rep_port - Portato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples



33 CB2_perf-rep_sta - Staccato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Samples: 306

01 EH_perf-legato pure - Legato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 846

11 EH_perf-marcato - Marcato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 846

21 Clarinet Bb 1

- Range: C3-G6

01 CLBb1_staccato - Staccato

- Velocity Layers: 5
 - 0-40 p
 - 41-60 mp
 - 61-80 mf



- **Variations: 2**
- **Samples: 420**

02 CLBb1_portato-short - Portato, short

- **Velocity Layers: 6**
 - 0-20 pp
 - 21-40 p
 - 41-60 mp
 - 61-80 mf
 - 81-100 f
 - 101-127 ff
- **Variations: 2**
- **Release Samples**
- **Samples: 630**

03 CLBb1_portato-medium - Portato, medium

- **Velocity Layers: 6**
 - 0-20 pp
 - 21-40 p
 - 41-60 mp
 - 61-80 mf
 - 81-100 f
 - 101-127 ff
- **Release Samples**



04 CLBb1_sus - Sustained

- **Velocity Layers: 6**
 - 0-20 pp
 - 21-40 p
 - 41-60 mp
 - 61-80 mf
 - 81-100 f
 - 101-127 ff
- **Variations: 4**
- **Release Samples**
- **Samples: 882**

06 CLBb1_sus-marc - Marcato

- **Velocity Layers: 6**
 - 0-20 pp
 - 21-40 p
 - 41-60 mp
 - 61-80 mf
 - 81-100 f
 - 101-127 ff
- **Variations: 8**
- **Release Samples**
- **Samples: 945**

10 CLBb1_flatter - Flutter tonguing



- Samples: 70

11 CLBb1_fp - Fortepiano

- Velocity Layers: 1
- Release Samples
- Samples: 126

12 CLBb1_sfz - Sforzato

- Velocity Layers: 1
- Release Samples
- Samples: 126

21 CLBb1_legato - Legato

- Velocity Layers: 4
 - 0-20 p
 - 21-40 mp
 - 41-100 mf
 - 101-127 f
- Release Samples
- Samples: 2061

23 CLBb1_legato_fast - Fast legato

- Velocity Layers: 4
 - 0-20 p



- 101-127 f
- Release Samples
- Samples: 4608

25 CLBb1_trill_1 - Trills, minor 2nd

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Range: C3-F#6
- Samples: 164

26 CLBb1_trill_2 - Trills, major 2nd

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Range: C3-F6
- Samples: 160

31 CLBb1_perf-rep_leg - Legato repetitions

- Velocity Layers: 3
 - 0-40 p
 - 41-80 mf



- **Samples: 441**

32 CLBb1_perf-rep_port - Portato repetitions

- **Velocity Layers: 3**
 - 0-40 p
 - 41-80 mf
 - 81-127 f
- **Release Samples**
- **Samples: 693**

33 CLBb1_perf-rep_sta - Staccato repetitions

- **Velocity Layers: 3**
 - 0-40 p
 - 41-80 mf
 - 81-127 f
- **Samples: 567**

41 CLBb1_fast-rep_140 (150/160/170) - Fast repetitions, 140-170 BPM

- **Velocity Layers: 3**
 - 0-40 p
 - 41-80 mf
 - 81-127 f
- **Release Samples**
- **Samples: 126**



- velocity Layers: 5
- Release Samples
- Samples: 1423

11 CLBb1_perf-marcato - Marcato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 1026

21 CLBb1_perf-gliss_slow - Glissando, slow (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 316

22 CLBb1_perf-gliss_fast - Glissando, fast (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 316

01 CLBb1_run-leg_do/up_C-ma (through to B-ma) / 01 CLBb1_run-leg_do/up_C-mi (through to B-mi) - Octave runs, legato, up and down (XP)

- C to B major / minor
- Velocity Layers: 2
- Samples: 36



- Chromatic resp. whole tone
- Velocity Layers: 2
- Samples: 30

01 CLBb1_arp-leg_do/up_dm / 01 CLBb1_arp-sta_do/up_dm - Arpeggios, legato, up and down (XP)

- Diminished
- Velocity Layers: 2
- Samples: 46

01 CLBb1_arp-leg_do/up_C-ma (through to B-ma) / 01 CLBb1_arp- leg_do/up_C-mi (through to B-mi) / 01 CLBb1_arp- sta_do/up_C-ma (through to B-ma) / 01 CLBb1_arp- sta_do/up_C-mi (through to B-mi) - Arpeggios, legato / staccato, up and down (XP)

- C to B major / minor
- Velocity Layers: 2
- Samples: 16

01 CLBb1_trill_3 - Trills, minor 3rd (XP)

- Velocity Layers: 2
- Release samples
- Samples: 84

02 CLBb1_trill_4 - Trills, major 3rd (XP)

- Velocity Layers: 2
- Release samples
- Samples: 86



- **Range:** D3-G6

01 CLBb2_staccato - Staccato

- **Velocity Layers:** 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- **Variations:** 4
- **Samples:** 400

02 CLBb2_portato-short - Portato, short

- **Velocity Layers:** 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- **Variations:** 4
- **Release Samples**
- **Samples:** 500

03 CLBb2_portato-medium - Portato, medium

- **Velocity Layers:** 4
 - 0-40 p



- 101-127 f
- Variations: 4
- Release Samples
- Samples: 500

04 CLBb2_sus_oV - Sustained, without vibrato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Variations: 2
- Release Samples
- Samples: 468

05 CLBb2_sus_mV - Sustained, with vibrato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Variations: 2
- Release Samples
- Samples: 400



- 0-40 p
- 41-80 mp
- 81-100 mf
- 101-127 f
- **Variations: 8**
- **Release Samples**
- **Samples: 650**

07 CLBb2_sus-marc_mV - Marcato, with vibrato

- **Velocity Layers: 4**
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- **Variations: 8**
- **Release Samples**
- **Samples: 718**

10 CLBb2_flatter - Flutter tonguing

- **Velocity Layers: 2**
 - 0-100 regular
 - 101-127 harsh
- **Release Samples**
- **Samples: 92**



- **Velocity Layers:** 1
- **Variations:** 2
- **Release Samples**
- **Samples:** 125

12 CLBb2_sfz - Sforzato

- **Velocity Layers:** 1
- **Variations:** 2
- **Release Samples**
- **Samples:** 125

21 CLBb2_legato_oV - Legato, without vibrato

- **Velocity Layers:** 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- **Release Samples**
- **Samples:** 1625

22 CLBb2_legato_mV - Legato, vibrato

- **Velocity Layers:** 4
 - 0-40 p
 - 41-80 mp



- Release Samples
- Samples: 1553

23 CLBb2_legato_fast_oV - Fast legato, without vibrato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Release Samples
- Samples: 3882

24 CLBb2_legato_fast_mV - Fast legato, vibrato

- Velocity Layers: 4
 - 0-40 p
 - 41-80 mp
 - 81-100 mf
 - 101-127 f
- Release Samples
- Samples: 3775

31 CLBb2_perf-rep_leg - Legato repetitions

- Velocity Layers: 2
 - 0-80 p



- Samples: 300

32 CLBb2_perf-rep_port - Portato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Samples: 450

33 CLBb2_perf-rep_sta - Staccato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Samples: 450

41 CLBb2_fast-rep_140 (150/160/170/180/200) - Fast repetitions, 160-180, and 200 BPM

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Samples: 100

01 CLBb2_Multiphonics_DS1 (2/3/4) (XP)



patches from 1 to 4 increase in sharpness of tone.

- **Velocity Layers:** 1
- **Release Samples**
- **Alternations:** 2
- **Range:** C#4–A6
- **Samples:** 81
- **Mapping:**
 - C#4–A4: Var. 1
 - C#5–A5: Var. 2
 - C#6–A6: Var. 3

11 CLBb2_Multiphonics_MS1 (2/3/4/5/6/7)

Multiple-sound multiphonics, var. 1–7, with three or more distinct sounding pitches.

The samples are mapped to their lowest sounding note, corresponding with their mapping from A#3 to A4. The two other sections have the same base notes but higher partials. The patches from 1 to 7 increase in sharpness of tone.

- **Velocity Layers:** 1
- **Release Samples**



- **Samples:** 99
- **Mapping:**
 - A#3, C4–A4: Var. 1
 - A#4, C5–A5: Var. 2
 - A#5, C6–A6: Var. 3

21 KLB2_Multiphonics_UB

Underblowing sounds. These multiphonics are created by underblowing and at the same time applying an overblowing fingering. The samples are mapped to their lowest sounding note, corresponding with their mapping from B3 to F#4. The two other sections have the same base notes but higher partials.

- **Velocity Layers:** 1
- **Release Samples**
- **Alternations:** 2
- **Range:** B3–F#6
- **Samples:** 48
- **Mapping:**
 - B3–D4, E4–F#4: Var. 1
 - B4–D5, E5–F#5: Var. 2



23 Bass Clarinet

- Range: A#1-B5

01 BCL_staccato - Staccato

- Velocity Layers: 4
 - 0-40 pp
 - 41-80 p
 - 81-100 mf
 - 101-127 f
- Variations: 2
- Samples: 400

02 BCL_portato-short - Portato, short

- Velocity Layers: 4
 - 0-40 pp
 - 41-80 p
 - 81-100 mf
 - 101-127 f



- **Samples: 600**

03 BCL_portato-medium - Portato, medium

- **Velocity Layers: 4**
 - 0-40 pp
 - 41-80 p
 - 81-100 mf
 - 101-127 f
- **Variations: 2**
- **Release Samples**
- **Samples: 600**

04 BCL_sus - Sustained

- **Velocity Layers: 4**
 - 0-40 pp
 - 41-80 p
 - 81-100 mf
 - 101-127 f
- **Variations: 4**
- **Release Samples**
- **Samples: 800**

06 BCL_sus-marc - Marcato

- **Velocity Layers: 4**



- 81-100 mf
- 101-127 f
- Variations: 8
- Release Samples
- Samples: 850

10 BCL_flatter - Flutter tonguing

- Velocity Layers: 1
- Release Samples
- Range: A#1-C5
- Samples: 72

11 BCL_fp - Fortepiano

- Velocity Layers: 1
- Release Samples
- Samples: 150

12 BCL_sfz - Sforzato

- Velocity Layers: 1
- Release Samples
- Samples: 150

21 BCL_legato - Legato

- Velocity Layers: 4



- 81-100 mf
- 101-127 f
- Release Samples
- Samples: 1885

23 BCL_legato_fast - Fast legato

- Velocity Layers: 4
 - 0-40 pp
 - 41-80 p
 - 81-100 mf
 - 101-127 f
- Release Samples
- Samples: 5996

25 BCL_trill_1 - Trills, minor 2nd

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Range: A#1-A#5
- Samples: 294

26 BCL_trill_2 - Trills, major 2nd

- Velocity Layers: 2



- Release Samples
- Range: A#1-A5
- Samples: 288

31 BCL_perf-rep_leg - Legato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Samples: 350

32 BCL_perf-rep_port - Portato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Samples: 450

33 BCL_perf-rep_sta - Staccato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Samples: 450

01 BCL_perf-legato pure - Legato (XP)



- Samples: 1207

11 BCL_perf-marcato - Marcato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 1206

01 BCL_run-leg_do/up_C-ma (through to B-ma) / 01 BCL_run-leg_do/up_C-mi (through to B-mi) - Octave runs, legato, up and down (XP)

- C to B major / minor
- Velocity Layers: 2
- Samples: 38

01 BCL_run-leg_do/up_chromatic / 01 BCL_run-leg_do/up_whole - Octave runs, legato (XP)

- Chromatic resp. whole tone
- Velocity Layers: 2
- Samples: 34

31 Bassoon 1

- Range: A#1-F5

01 BA1_staccato - Staccato

- Velocity Layers: 4
 - 0-40 p



- 101-127 ff
- Variations: 2
- Samples: 492

02 BA1_portato-short - Portato, short

- Velocity Layers: 5
 - 0-20 pp
 - 21-40 p
 - 41-80 mf
 - 81-100 f
 - 101-127 ff
- Variations: 2
- Release Samples
- Samples: 574

03 BA1_portato-medium - Portato, medium

- Velocity Layers: 5
 - 0-20 pp
 - 21-40 p
 - 41-80 mf
 - 81-100 f
 - 101-127 ff
- Variations: 2
- Release Samples



04 BA1_sus_ov - Sustained, without vibrato

- **Velocity Layers: 5**
 - 0-20 pp
 - 21-40 p
 - 41-80 mf
 - 81-100 f
 - 101-127 ff
- **Variations: 4**
- **Release Samples**
- **Samples: 814**

05 BA1_sus_mV - Sustained, with vibrato

- **Velocity Layers: 3**
 - 0-40 pp
 - 41-100 mf
 - 101-127 f
- **Variations: 4**
- **Release Samples**
- **Samples: 609**

06 BA1_sus-marc_ov - Marcato, without vibrato

- **Velocity Layers: 5**
 - 0-20 pp
 - 21-40 p



- 101-127 ff
- Variations: 8
- Release Samples
- Samples: 909

07 BA1_sus-marc_mV - Marcato, with vibrato

- Velocity Layers: 3
 - 0-40 pp
 - 41-100 mf
 - 101-127 f
- Variations: 8
- Release Samples
- Samples: 786

10 BA1_flatter - Flutter tonguing

- Velocity Layers: 1
- Release Samples
- Samples: 78

11 BA1_fp - Fortepiano

- Velocity Layers: 1
- Release Samples
- Samples: 123

12 BA1_sfz - Sforzato



- **Samples: 123**

21 BA1_legato_oV - Legato, without vibrato

- **Velocity Layers: 5**
 - 0-20 pp
 - 21-40 p
 - 41-80 mf
 - 81-100 f
 - 101-127 ff
- **Release Samples**
- **Range: A#1-D5**
- **Samples: 1806**

22 BA1_legato_mV - Legato, vibrato

- **Velocity Layers: 3**
 - 0-40 pp
 - 41-100 mf
 - 101-127 f
- **Release Samples**
- **Range: A#1-D5**
- **Samples: 1565**

23 BA1_legato_fast_oV - Fast legato, without vibrato

- **Velocity Layers: 5**



- 41-80 mf
- 81-100 f
- 101-127 ff
- **Release Samples**
- **Range: A#1-D5**
- **Samples: 3564**

24 BA1_legato_fast_mV - Fast legato, vibrato

- **Velocity Layers: 3**
 - 0-40 pp
 - 41-100 mf
 - 101-127 f
- **Release Samples**
- **Range: A#1-D5**
- **Samples: 3325**

25 BA1_trill_1 - Trills, minor 2nd

- **Velocity Layers: 2**
 - 0-80 p
 - 81-127 f
- **Release Samples**
- **Range: A#1-D#5**
- **Samples: 140**

26 BA1_trill_2 - Trills, major 2nd



- 81-127 f
- Release Samples
- Range: A#1-C5
- Samples: 144

31 BA1_perf-rep_leg - Legato repetitions

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Release Samples
- Samples: 423

32 BA1_perf-rep_port - Portato repetitions

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Release Samples
- Samples: 423

33 BA1_perf-rep_sta - Staccato repetitions

- Velocity Layers: 3
 - 0-40 p



- Samples: 540

41 BA1_fast-rep_140 (150/160/170/180) - Fast repetitions, 160-180 BPM

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Release Samples
- Samples: 120

01 BA1_perf-legato pure - Legato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 1116

11 BA1_perf-marcato - Marcato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 1030

01 BA1_run-leg_do/up_C-ma (through to B-ma) / 01 BA1_run-leg_do/up_C-mi (through to B-mi) - Octave runs, legato, up and down (XP)

- C to B major / minor
- Velocity Layers: 2
- Samples: 32



- Chromatic resp. whole tone
- Velocity Layers: 2
- Samples: 28

32 Bassoon 2

- Range: A#1-F5

01 BA2_staccato - Staccato

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Variations: 4
- Samples: 288

02 BA2_portato-short - Portato, short

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Variations: 4
- Release Samples
- Samples: 390



- 0-40 p
- 41-100 mf
- 101-127 f
- Variations: 4
- Release Samples
- Samples: 390

04 BA2_sus_oV - Sustained, without vibrato

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Variations: 2
- Release Samples
- Samples: 312

05 BA2_sus_mV - Sustained, with vibrato

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Variations: 2
- Release Samples
- Samples: 312



- **Velocity Layers: 3**
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- **Variations: 8**
- **Release Samples**
- **Samples: 660**

07 BA2_sus-marc_mV - Marcato, with vibrato

- **Velocity Layers: 3**
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- **Variations: 8**
- **Release Samples**
- **Samples: 660**

10 BA2_flatter - Flutter tonguing

- **Velocity Layers: 1**
- **Release Samples**
- **Samples: 52**

11 BA2_fp - Fortepiano

- **Velocity Layers: 1**



- **Samples:** 130

12 BA2_sfz - Sforzato

- **Velocity Layers:** 1
- **Variations:** 2
- **Release Samples**
- **Samples:** 130

21 BA2_legato_oV - Legato, without vibrato

- **Velocity Layers:** 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- **Release Samples**
- **Range:** A#1-D5
- **Samples:** 1476

22 BA2_legato_mV - Legato, vibrato

- **Velocity Layers:** 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- **Release Samples**
- **Range:** A#1-D5



23 BA2_legato_fast_ov - Fast legato, without vibrato

- **Velocity Layers: 3**
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- **Release Samples**
- **Range: A#1-D5**
- **Samples: 2506**

24 BA2_legato_fast_mV - Fast legato, vibrato

- **Velocity Layers: 3**
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- **Release Samples**
- **Range: A#1-D5**
- **Samples: 2506**

31 BA2_perf-rep_leg - Legato repetitions

- **Velocity Layers: 2**
 - 0-80 p
 - 81-127 f
- **Release Samples**
- **Samples: 312**



- **velocity Layers: 2**
 - 0-80 p
 - 81-127 f
- **Samples: 450**

33 BA2_perf-rep_sta - Staccato repetitions

- **Velocity Layers: 2**
 - 0-80 p
 - 81-127 f
- **Samples: 450**

41 BA2_fast-rep_140 (150/160/170/180) - Fast repetitions, 160-180 BPM

- **Velocity Layers: 2**
 - 0-80 p
 - 81-127 f
- **Release Samples**
- **Samples: 100**

01 BA2_perf-legato _Vib - Legato, with vibrato (XP)

- **Velocity Layers: 2**
- **Release Samples**
- **Samples: 1032**

33 Contrabassoon



01 CBA_Staccato - Staccato

- **Velocity Layers: 3**
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- **Variations: 2**
- **Samples: 333**

02 CBA_portato-short - Portato, short

- **Velocity Layers: 3**
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- **Variations: 2**
- **Release Samples**
- **Samples: 333**

03 CBA_portato-medium - Portato, medium

- **Velocity Layers: 3**
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- **Variations: 2**
- **Release Samples**



04 CBA_sus_oV - Sustained, without vibrato

- **Velocity Layers: 3**
 - 0-40 p
 - 41-100 mf
 - 101-127 ff
- **Variations: 4**
- **Release Samples**
- **Samples: 485**

05 CBA_sus_mV - Sustained, with vibrato

- **Velocity Layers: 3**
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- **Variations: 4**
- **Release Samples**
- **Samples: 485**

06 CBA_sus-marc_oV - Marcato, without vibrato

- **Velocity Layers: 3**
 - 0-40 p
 - 41-100 mf
 - 101-127 ff
- **Variations: 8**



07 CBA_sus-marc_mV - Marcato, with vibrato

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Variations: 8
- Release Samples
- Samples: 564

10 CBA_flatter - Flutter tonguing

- Velocity Layers: 1
- Release Samples
- Samples: 38

11 CBA_fp - Fortepiano

- Velocity Layers: 1
- Release Samples
- Samples: 111

12 CBA_sfz - Sforzato

- Velocity Layers: 1
- Release Samples
- Samples: 111



- 0-40 p
- 41-100 mf
- 101-127 f
- Release Samples
- Samples: 1401

22 CBA_legato_mV - Legato, vibrato

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 f
- Release Samples
- Samples: 1409

23 CBA_legato_fast_oV - Fast legato, without vibrato

- Velocity Layers: 3
 - 0-40 p
 - 41-100 mf
 - 101-127 ff
- Release Samples
- Samples: 3138

24 CBA_legato_fast_mV - Fast legato, vibrato

- Velocity Layers: 3



- 101-127 f
- Release Samples
- Samples: 3144

31 CBA_perf-rep_leg - Legato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Samples: 264

32 CBA_perf-rep_port - Portato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Release Samples
- Samples: 416

33 CBA_perf-rep_sta - Staccato repetitions

- Velocity Layers: 2
 - 0-80 p
 - 81-127 f
- Samples: 342



- Release Samples
- Samples: 892

11 CBA_perf-marcato - Marcato (XP)

- Velocity Layers: 2
- Release Samples
- Samples: 965

01 CBA_FX cre (dim) (XP)

- Low effect sounds, crescendo / diminuendo
- Velocity Layers: 1
- Range: A#0-A#1
- Samples: 13



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