VIENNA SYMPHONIC LIBRARY

Vienna Instruments
Chamber Strings I & II
Mapping Documentation

Violins chamber (6 players)
Violas chamber (4 players)
Celli chamber (3 players)
Bassi chamber (2 players)

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Introduction

Welcome to the Vienna Instruments Collections Chamber Strings I and II. In this document, you will find a comprehensive survey of the articulations/Patches for the Standard and Extended Libraries of each instrument, a listing of abbreviations, and the mapping list proper which gives details for every Patch, Matrix, and Preset in the Collections.

Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary.

Where the type of articulation requires a special mapping (e.g., natural harmonics Patches), the mapping layout will be shown in a detailed graphic.

Major and minor runs are always mapped to the keys of their scale, as are **arpeggios** to the keys of the broken chord played. **Grace notes** and **mordents** are mapped to their target note, i.e., the note the articulation ends with. Due to their nature, all **upward and downward articulations** (e.g., fixed glissandos and octave runs) have different mapping ranges – the upward movements ending the involved interval below the Patch's upper mapping range, while downward movements end the interval above its lower mapping range. (Please note that not all of the articulations mentioned above may be contained in your Collection.)

Matrix information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and switching properties. A mapping table shows the Cell positions for each of the Matrix' Patches.

A/B switching normally is set to A0 for upward/crescendo, and B0 for downward/diminuendo. However, some bass instruments go below that range so that the A/B keys have to be adapted accordingly. For example, the A/B switches for double bass are A0 and A#0 because the instrument's lower range extends to B0.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

Speed controller switches naturally are adjusted to the Patches involved, and have been tested carefully as to their playability. However, if you find that they do not fit your playing, or want to try out other settings, you can change this as well as any other controller settings in the **Map Control** tab of the *Vienna Instruments* player's Advanced View, and save the result in your Custom Matrix folder.

Preset information

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes (VI: 1–12; VI PRO: 1–127) instead of keyboard notes, and if you like to keep your keyboard free for playing instead of switching, you can disable Preset keyswitching and only use MIDI Program Changes. Vienna Instruments PRO also allows you to define a MIDI Control for Preset keyswitching.

Library updates

If you purchased your Instrument Collection via download or on the *Vienna Hard Drive*, all previous library updates will already be included; if you own a DVD Collection, you can download the updates from your personal User Area. A general description of *Vienna Instruments PRO 2* Matrices and Presets included in these updates can be found in the Appendix "Vienna Instruments PRO 2 Matrices and Presets" on page 135.

Abbreviations

Instruments

Abbreviation	English	German
DB	Double bass	Kontrabass
DB-2	Double bass ensemble (2 players)	
VA	Viola	Viola
VA-4	Viola ensemble (4 players)	
VC	Cello	Cello
VC-3	Cello ensemble (3 players)	
VI	Violin	Violine
VI-6	Violin ensemble (6 players)	

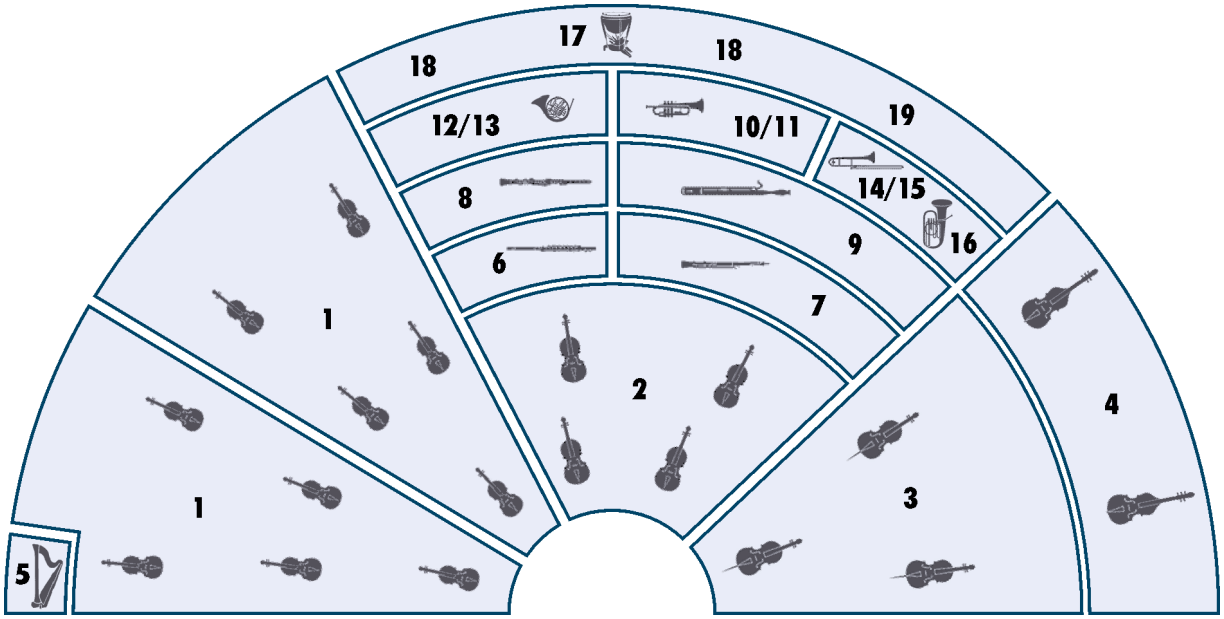
Articulations and other abbreviations

Abbreviation	Meaning
150, 160, …	150, 160, … BPM (beats per minute)
1s, 2s, …	tone length 1 sec., 2 sec., …
acc	accelerando
all	combination of all Patches of a category
bow	bow vibrato
cre	crescendo
dim	diminuendo
dyn	dynamics (crescendo and diminuendo)
dyn5, dyn9	dynamics, 5/9 repetitions
fa	fast
fA	fast attack
fA_auto	attack automation (normal/fast attack)
fast-rep	fast repetitions
gliss	glissando
harm	harmonics (flageolet)
harm-art	artificial harmonics
harm-nat	natural harmonics
leg	legato
ma	major
marc	marcato
me	medium
mi	minor

Abbreviation	Meaning
noVib	without vibrato
perf-rep	repetition performance
pizz	pizzicato
pon	ponticello
por	portato
porta	portamento
run	octave run
sl	slow
spi, spic	spiccato
sta, stac	staccato
str	strong
sul	on the same string
sus	sustained
tas	sul tasto
trem	tremolo
trill-A	normal or modern trill (starting from written note)
trill-B	Baroque trill (starting above written note)
Vib	with vibrato
Vib-down	fading vibrato
Vib-espr	vibrato espressivo
Vib-progr	progressive vibrato
XF	cell crossfade Matrix

The orchestra

There are several ways of setting up an orchestra, depending on the era of the piece played, the type of the piece and the instruments it requires, and even on the preference of the conductor. The figure below shows one of the more common setups, which can be taken as a guideline for mixing a composition, properly positioning the instruments in the stereo field and adding reverb according to the size of the concert hall you want your piece to be played in.



1 1st and 2nd violin
2 Viola
3 Cello
4 Double bass
5 Harp
6 Concert flute, piccolo
7 Oboe, English horn
8 Clarinet, bass clarinet
9 Bassoon, contrabassoon
10/11 Trumpet
12/13 Horn
14/15 Trombone
16 Tuba
17 Timpani
18 Drums, cymbals
19 other percussion instruments

Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

Chamber Strings I

Articulations

Instrument/group	Level 1 (Standard) content	Level 2 (Extended) content
11 Violins chamber		
01 SHORT + LONG NOTES	Long staccato, short and long détaché, sustained with vibrato, espressivo	Short staccato, sustained without vibrato
02 DYNAMICS	Fortepiano and sforzato	Medium and strong crescendo and diminuendo with vibrato (2, 3, and 4 sec.), medium crescendo and diminuendo without vibrato (2, 3, and 4 sec.), sforzatissimo
03 TREMOLO + TRILLS	Tremolo sustained, trills half and whole tone	Baroque trills half and whole tone, dynamics for all trills
04 PIZZ	Normal and snap (Bartók) pizzicato	
05 HARMONICS	Artificial harmonics staccato and sustained	Artificial harmonics repetition performances; natural harmonics sustained and glissando
10 PERF INTERVAL	Legato, portamento	Legato on the same string, zigane (gypsy), marcato, and spiccato
11 PERF TRILL		Trills, legato, minor 2nd to major 3rd
12 PERF REPETITION	Legato, staccato, spiccato	Portato, harsh; dynamics for all articulations
13 FAST REPETITION		9 repetitions, speeds from 150 to 190 BPM, normal and dynamics
14 GRACE NOTES		Grace notes, zigane (gypsy), minor 2nd to major 3rd
12 Violas chamber		
01 SHORT + LONG NOTES	Long staccato, short and long détaché, sustained with vibrato, espressivo	Short staccato, sustained without vibrato
02 DYNAMICS	Fortepiano and sforzato	Medium and strong crescendo and diminuendo with vibrato (2, 3, and 4 sec.), medium crescendo and diminuendo without vibrato (2, 3, and 4 sec.), sforzatissimo
03 TREMOLO + TRILLS	Tremolo sustained, trills half and whole tone	Baroque trills half and whole tone, dynamics for all trills
04 PIZZ	Normal and snap (Bartók) pizzicato	
05 HARMONICS	Artificial harmonics staccato and sustained	Artificial harmonics repetition performances; natural harmonics sustained and glissando
10 PERF INTERVAL	Legato, portamento	Legato on the same string, zigane (gypsy), marcato, and spiccato
11 PERF TRILL		Trills, legato, minor 2nd to major 3rd
12 PERF REPETITION	Legato, staccato, spiccato	Portato, harsh; dynamics for all articulations

Instrument/group	Level 1 (Standard) content	Level 2 (Extended) content
13 FAST REPETITION		9 repetitions, speeds from 150 to 190 BPM, normal and dynamics
14 GRACE NOTES		Grace notes, zigane (gypsy), minor 2nd to major 3rd
13 Celli chamber		
01 SHORT + LONG NOTES	Long staccato, short and long détaché, sustained with vibrato, espressivo	Short staccato, sustained without vibrato
02 DYNAMICS	Fortepiano and sforzato	Medium and strong crescendo and diminuendo with vibrato (2, 3, and 4 sec.), medium crescendo and diminuendo without vibrato (2, 3, and 4 sec.), sforzatissimo
03 TREMOLO + TRILLS	Tremolo sustained, trills half and whole tone	Baroque trills half and whole tone, dynamics for all trills
04 PIZZ	Normal and snap (Bartók) pizzicato	
05 HARMONICS	Artificial harmonics staccato and sustained	Artificial harmonics repetition performances; natural harmonics sustained and glissando
10 PERF INTERVAL	Legato, portamento	Legato on the same string, zigane (gypsy), marcato, and spiccato
11 PERF TRILL		Trills, legato, minor 2nd to major 3rd
12 PERF REPETITION	Legato, staccato, spiccato	Portato, harsh; dynamics for all articulations
13 FAST REPETITION		9 repetitions, speeds from 150 to 190 BPM, normal and dynamics
14 GRACE NOTES		Grace notes, zigane (gypsy), minor 2nd to major 3rd
14 Bassi chamber		
01 SHORT + LONG NOTES	Staccato, short and long détaché, sustained with and without vibrato	
02 DYNAMICS	Fortepiano and sforzato	Medium and strong crescendo and diminuendo with vibrato (2, 3, and 4 sec.), medium crescendo and diminuendo without vibrato (2, 3, and 4 sec.), sforzatissimo
03 TREMOLO + TRILLS	Tremolo sustained, trills half and whole tone	Baroque trills half and whole tone, dynamics for all trills
04 PIZZ	Normal and snap (Bartók) pizzicato	
05 HARMONICS	Artificial harmonics staccato and sustained	Artificial harmonics repetition performances; natural harmonics sustained and glissando
10 PERF INTERVAL	Legato, portamento	Legato on the same string, marcato, and spiccato
11 PERF TRILL		Trills, legato, minor to major 2nd
12 PERF REPETITION	Legato, staccato, spiccato	Portato, harsh; dynamics for all articulations
13 FAST REPETITION		9 repetitions, speeds from 150 to 190 BPM, normal and dynamics

10 Strings chamber

Patches

01 BASIC ARTICULATIONS	Range: B0–D7		
01 Chamber_staccato_long Long staccato 3 velocity layers: 0–55; 56–108; 109–127, according to instrument 4 Alternations	**Samples: 570**	**RAM: 35 MB**	**Level 1**
02 Chamber_detache_short Short détaché 3 velocity layers: 0–55; 56–108; 109–127, according to instrument 4 Alternations	**Samples: 570**	**RAM: 35 MB**	**Level 1**
03 Chamber_detache_long Long détaché 3 velocity layers: 0–55; 56–108; 109–127, according to instrument 4 Alternations	**Samples: 570**	**RAM: 35 MB**	**Level 1**
04 Chamber_sus_Vib Sustained with vibrato 3 velocity layers: 0–55; 56–108; 109–127, according to instrument Release samples	**Samples: 460**	**RAM: 28 MB**	**Level 1**
05 Chamber_fp Fortepiano 1 velocity layer 2 Alternations	**Samples: 95**	**RAM: 5 MB**	**Level 1**
06 Chamber_sfz Sforzato 1 velocity layer 2 Alternations	**Samples: 95**	**RAM: 5 MB**	**Level 1**
07 Chamber_tremolo Tremolo 3 velocity layers: 0–55; 56–108; 109–127, according to instrument Release samples	**Samples: 288**	**RAM: 18 MB**	**Level 1**
08 Chamber_pizz Pizzicato 3 velocity layers: 0–55; 56–108; 109–127, according to instrument 4 Alternations	**Samples: 570**	**RAM: 35 MB**	**Level 1**

Matrices

Chamber Strings - Combi **Samples: 3218 RAM: 201 MB** **Level 1**

Double bass, cello, viola, and violin single notes: Long staccato, short and long détaché, sustained, fortepiano, sforzato, tremolo, pizzicato

Matrix switches: Horizontal: Keyswitches, E7–B7

	E7	F7	F#7	G7	G#7	A7	A#7	B7
V1	stac. long	dét. short	dét. long	sus	fp	sfz	tremolo	pizz.

Presets

Chamber Strings VSL Preset **Samples: 3218 RAM: 201 MB** **Level 1**

Chamber Strings combination
Long staccato, short and long détaché, sustained, fortepiano, sforzato, tremolo, pizzicato

11 Violins chamber

Description

The violin, as the smallest of the stringed instruments, is the soprano instrument of the violin family (violin, viola, cello).

Since the Baroque era the strings – the most homogeneous of all instrument groups – have been the heart of the orchestra. Violins are always used in chorus and divided into 1st and 2nd violins. Modern string sections use 14 first and 12 second violins (in especially large orchestras 16 first and 14 second violins).

Range and notation

The violin has a range of G3–A7 (harmonic D8).

It is a non-transposing instrument and notated in treble clef.

Sound characteristics

Full, lively, singing, eloquent, introspective, supernatural, sensuous, lustrous, bright, metallic, vibrant, clear, glassy, flute-like, shrill, brilliant, sparkling, calm, thin, whistling, round, pure, muffled, solemn, austere, dark, muted, open, sustaining, rough, wafting, soft, sweet, merry, dancing, veiled.

The 1st violins generally play the higher part, which is usually the main melody. The 2nd violins often play the part of ”lower sisters”. They often play an octave below, darkening the overall timbre.

Combination with other instruments

All stringed instruments form a group with a homogeneous overall sound and perform tasks ranging from the subtlest tonal effects to the most eloquent reinforcements of sound and from the greatest possible tonal compactness to the greatest possible diversity. The violins’ pizzicato blends well with the harp.

Woodwinds, generally speaking, provide the strings with more volume and power, while the strings make the woodwinds more mellow, especially when playing in *unison*.

The tonal blend with brass instruments is not as desirable. Perhaps the horn blends most successfully with violins, especially in concert with the cellos.

Patches

01 SHORT + LONG NOTES Range: G3–C7

Level 1: Long staccato, short and long détaché, sustained with vibrato, espressivo

Level 2: Short staccato, sustained without vibrato

01 VI-6_staccato_short **Samples: 336** **RAM: 21 MB** **Level 2**

Short staccato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
4 Alternations

02 VI-6_staccato_long **Samples: 336** **RAM: 21 MB** **Level 1**

Long staccato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
4 Alternations

03 VI-6_detache_short **Samples: 336** **RAM: 21 MB** **Level 1**

Short détaché
4 velocity layers: 0–55 pp; 56–88 p; 89–108 mf; 109–127 f
4 Alternations

04 VI-6_detache_long **Samples: 336** **RAM: 21 MB** **Level 1**

Long détaché
4 velocity layers: 0–55 pp; 56–88 p; 89–108 mf; 109–127 f
4 Alternations

10 VI-6_sus_Vib **Samples: 336** **RAM: 21 MB** **Level 1**

Sustained, vibrato
4 velocity layers: 0–55 pp; 56–88 mf; 89–108 f; 109–127 ff
Release samples

11 VI-6_sus_Vib_fA **Samples: 336** **RAM: 21 MB** **Level 2**

Sustained, vibrato
Optimized attack for legato
4 velocity layers
Release samples

12 VI-6_sus_Vib_fA_auto **Samples: 504** **RAM: 31 MB** **Level 2**

Sustained, vibrato
Attack automation
Monophonic
4 velocity layers
Release samples

13 VI-6_sus_Vib-espr **Samples: 63** **RAM: 3 MB** **Level 1**

Sustained, vibrato
Espressivo

1 velocity layer
Release samples

14 VI-6_sus_Vib-espr_fA **Samples: 63** **RAM: 3 MB** **Level 2**

Sustained, vibrato
Espressivo
Optimized attack for legato
1 velocity layer
Release samples

15 VI-6_sus_Vib-espr_fA_auto **Samples: 84** **RAM: 5 MB** **Level 2**

Sustained, vibrato
Espressivo
Attack automation
Monophonic
1 velocity layer
Release samples

16 VI-6_sus_noVib **Samples: 192** **RAM: 12 MB** **Level 2**

Sustained, no vibrato
3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff
Release samples

17 VI-6_sus_noVib_fA **Samples: 192** **RAM: 12 MB** **Level 2**

Sustained, no vibrato
Optimized attack for legato
3 velocity layers
Release samples

18 VI-6_sus_noVib_fA_auto **Samples: 258** **RAM: 16 MB** **Level 2**

Sustained, no vibrato
Attack automation
Monophonic
3 velocity layers
Release samples

02 DYNAMICS **Range: G3–C7**

Level 1: Fortepiano and sforzato

Level 2: Medium and strong crescendo and diminuendo with vibrato (2, 3, and 4 sec.), medium crescendo and diminuendo without vibrato (2, 3, and 4 sec.), sforzatissimo

01 VI-6_dyn-me_Vib_2s **Samples: 84** **RAM: 5 MB** **Level 2**

Medium dynamics, 2 sec., vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

02 VI-6_dyn-me_Vib_3s **Samples: 84** **RAM: 5 MB** **Level 2**

Medium dynamics, 3 sec., vibrato
2 velocity layers: 0–88 p; 89–127 mf
AB switch: crescendo/diminuendo

03 VI-6_dyn-me_Vib_4s **Samples: 84** **RAM: 5 MB** **Level 2**

Medium dynamics, 4 sec., vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

04 VI-6_dyn-str_Vib_2s **Samples: 42** **RAM: 2 MB** **Level 2**

Strong dynamics, 2 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

05 VI-6_dyn-str_Vib_3s **Samples: 42** **RAM: 2 MB** **Level 2**

Strong dynamics, 3 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

06 VI-6_dyn-str_Vib_4s **Samples: 42** **RAM: 2 MB** **Level 2**

Strong dynamics, 4 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

07 VI-6_dyn-me_noVib_2s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 2 sec., no vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

08 VI-6_dyn-me_noVib_3s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 3 sec., no vibrato
2 velocity layers: 0–88 p; 89–127 mf
AB switch: crescendo/diminuendo

09 VI-6_dyn-me_noVib_4s **Samples: 84** **RAM: 5 MB** **Level 2**

Medium dynamics, 4 sec., no vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

10 VI-6_fp_Vib **Samples: 42** **RAM: 2 MB** **Level 1**

Fortepiano, vibrato
1 velocity layer
2 Alternations

11 VI-6_sfz_Vib **Samples: 42** **RAM: 2 MB** **Level 1**

Sforzato, vibrato
1 velocity layer
2 Alternations

12 VI-6_sffz_Vib **Samples: 42** **RAM: 2 MB** **Level 2**

Sforzatissimo, vibrato
1 velocity layer
2 Alternations

03 TREMOLO + TRILLS Range: G3–C7

Level 1: Tremolo sustained, trills half and whole tone

Level 2: Baroque trills half and whole tone, dynamics for all trills

01 VI-6_trem_sus **Samples: 126** **RAM: 7 MB** **Level 1**

Tremolo sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

02 VI-6_trem_sus_fA **Samples: 126** **RAM: 7 MB** **Level 2**

Tremolo sustained
Optimized attack for legato
3 velocity layers
Release samples

03 VI-6_trem_sus_fA_auto **Samples: 189** **RAM: 11 MB** **Level 1**

Tremolo sustained
Attack automation
Monophonic
3 velocity layers
Release samples

10 VI-6_trill-A_1 **Samples: 84** **RAM: 5 MB** **Level 1**

Trills: Normal, half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 VI-6_trill-A_2 **Samples: 84** **RAM: 5 MB** **Level 1**

Trills: Normal, whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 VI-6_trill-A_1_dyn **Samples: 42** **RAM: 2 MB** **Level 2**

Trills: Normal, half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

13 VI-6_trill-A_2_dyn **Samples: 42** **RAM: 2 MB** **Level 2**

Trills: Normal, whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

14 VI-6_trill-B_1 **Samples: 84** **RAM: 5 MB** **Level 2**

Trills: Baroque, half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

15 VI-6_trill-B_2 **Samples: 84** **RAM: 5 MB** **Level 2**

Trills: Baroque, whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

16 VI-6_trill-B_1_dyn **Samples: 42** **RAM: 2 MB** **Level 2**

Trills: Baroque, half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

17 VI-6_trill-B_2_dyn **Samples: 42** **RAM: 2 MB** **Level 2**

Trills: Baroque, whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

04 PIZZ — Range: G3–C7

Level 1: Normal and snap (Bartók) pizzicato

01 VI-6_pizz **Samples: 252** **RAM: 15 MB** **Level 1**

Pizzicato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 VI-6_pizz_snap **Samples: 44** **RAM: 2 MB** **Level 1**

Snap pizzicato
1 velocity layer
2 Alternations

05 HARMONICS — Range: G3–E7

Level 1: Artificial harmonics staccato and sustained

Level 2: Artificial harmonics repetition performances; natural harmonics sustained and glissando
Harmonics patches are mapped an octave lower than they sound.

01 VI-6_harm-art_stac **Samples: 34** **RAM: 2 MB** **Level 1**

Artificial harmonics: Staccato
1 velocity layer
2 Alternations

02 VI-6_harm-art_sus **Samples: 68** **RAM: 4 MB** **Level 1**

Artificial harmonics: Sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 VI-6_harm-art_sus_fA **Samples: 68** **RAM: 4 MB** **Level 2**

Artificial harmonics: Sustained
Optimized attack for legato
2 velocity layers
Release samples

04 VI-6_harm-art_sus_fA_auto **Samples: 102** **RAM: 6 MB** **Level 2**

Artificial harmonics: Sustained
Attack automation
Monophonic
2 velocity layers
Release samples

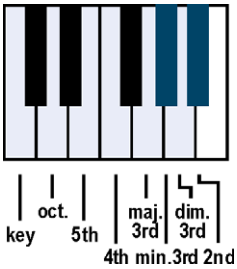
05 VI-6_harm-art_perf-rep **Samples: 85** **RAM: 5 MB** **Level 2**

Artificial harmonics: Repetition performances
1 velocity layer

11 VI-6_harm-nat_sus **Range: C3–A#6** **Samples: 128** **RAM: 8 MB** **Level 2**

Natural harmonics: Sustained notes on every string, from fundamental to 7th harmonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

Mapping:
C – key note; D – 1st (octave); E – 2nd (5th); F – 3rd (4th); G – 4th (maj. 3rd); G# – 5th (min. 3rd); A – 6th (dim. 3rd); A# – 7th (2nd)
C3–A#3: G string; C4–A#4: D string; C5–A#5: A string; C6–A#6: E string



12 VI-6_harm-nat_sus_fA **Range: C3–A#6** **Samples: 128** **RAM: 8 MB** **Level 2**

Natural harmonics: Sustained
Optimized attack for legato
2 velocity layers
Release samples

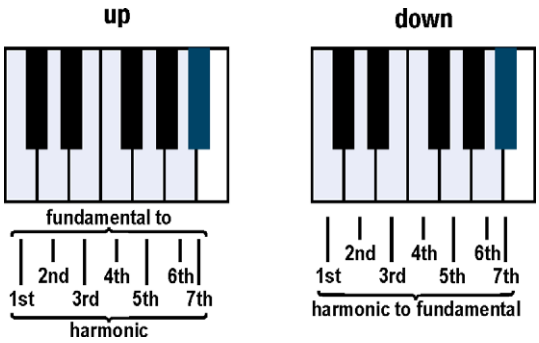
13 VI-6_harm-nat_sus_fA_auto **Range: C3–A#6** **Samples: 192** **RAM: 12 MB** **Level 2**

Natural harmonics: Sustained
Attack automation
Monophonic
2 velocity layers
Release samples

14 VI-6_harm-nat_gliss **Range: C3–A#6** **Samples: 56** **RAM: 3 MB** **Level 2**

Natural harmonics: Glissandos on every string, from fundamental to 1st, 2nd, etc. harmonic; reverse for downward glissandos
1 velocity layer
AB switch: up/down

Mapping:
C – key note to 1st (octave); D – to 2nd (+5th); E – to 3rd (+4th); F – to 4th (+maj 3rd); G – to 5th (+min. 3rd); A – to 6th (+dim. 3rd); A# – to 7th (+2nd)
C3–A#3: G string; C4–A#4: D string; C5–A#5: A string; C6–A#6: E string



10 PERF INTERVAL **Range: G3–C7**

Level 1: Legato, portamento

Level 2: Legato on the same string, zigane (gypsy), marcato, and spiccato

01 VI-6_perf-legato **Samples: 1301** **RAM: 81 MB** **Level 1**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VI-6_perf-legato_sul **Samples: 1088** **RAM: 68 MB** **Level 2**

Legato on the same string
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

03 VI-6_perf-legato_zigane **Samples: 866** **RAM: 54 MB** **Level 2**

Legato, zigane (gypsy)
Monophonic
2 velocity layers: 0–88 mp; 89–127 mf
Release samples

04 VI-6_perf-portamento **Samples: 1088** **RAM: 68 MB** **Level 1**

Portamento
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

05 VI-6_perf-marcato **Samples: 1424** **RAM: 89 MB** **Level 2**

Marcato
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

06 VI-6_perf-spiccato **Samples: 609** **RAM: 38 MB** **Level 2**

Spiccato, mezzoforte
Monophonic
1 velocity layer

11 PERF TRILL — Range: G3–C7

Level 2: Trills, legato

01 VI-6_perf-trill_leg **Samples: 3125** **RAM: 195 MB** **Level 1**

Trills, legato, minor 2nd to 4th
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 PERF REPETITION — Range: G3–C7

Level 1: Legato, staccato, spiccato
Level 2: Portato, harsh; dynamics for all articulations

01 VI-6_perf-rep_leg **Samples: 315** **RAM: 19 MB** **Level 1**

Legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 VI-6_perf-rep_por **Samples: 567** **RAM: 35 MB** **Level 2**

Portato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 VI-6_perf-rep_sta **Samples: 567** **RAM: 35 MB** **Level 1**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

04 VI-6_perf-rep_spi **Samples: 567** **RAM: 35 MB** **Level 1**

Spiccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

05 VI-6_perf-rep_harsh **Samples: 189** **RAM: 11 MB** **Level 2**

Harsh, forte
1 velocity layer

21 VI-6_perf-rep_dyn5_leg **Samples: 210** **RAM: 13 MB** **Level 2**

Legato dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

22 VI-6_perf-rep_dyn9_por **Samples: 378** **RAM: 23 MB** **Level 2**

Portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

23 VI-6_perf-rep_dyn9_sta **Samples: 378** **RAM: 23 MB** **Level 2**

Staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

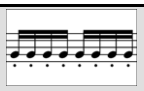
24 VI-6_perf-rep_dyn9_spi **Samples: 378** **RAM: 23 MB** **Level 2**

Spiccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

25 VI-6_perf-rep_dyn9_harsh **Samples: 378** **RAM: 23 MB** **Level 2**

Harsh dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

13 FAST REPETITION Range: G3–C7



Level 2: 9 repetitions, speeds from 150 to 190 BPM, normal and dynamics

01 VI-6_fast-rep_150 (160/170/180/190) **Samples: 126** **RAM: 7 MB** **Level 2**

Fast repetitions: Staccato, 9 repetitions, 150, 160, 170, 180, 190 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

11 VI-6_fast-rep_150_dyn (160/170/180/190) **Samples: 42** **RAM: 2 MB** **Level 2**

Fast repetitions: Staccato dynamics, 9 repetitions, 150, 160, 170, 180, 190 BPM
1 velocity layer
AB switch: crescendo/diminuendo

14 GRACE NOTES Range: G3–C7

Level 2: Grace notes, zigane (gypsy), minor 2nd to major 3rd

01 VI-6_grace-zigane-1 Samples: 82 RAM: 5 MB Level 2

Grace notes, zigane (gypsy)
Half tone
1 velocity layer
Release samples
AB switch: up/down

02 VI-6_grace-zigane-2 Samples: 82 RAM: 5 MB Level 2

Grace notes, zigane (gypsy)
Whole tone
1 velocity layer
Release samples
AB switch: up/down

03 VI-6_grace-zigane-3 Samples: 80 RAM: 5 MB Level 2

Grace notes, zigane (gypsy)
Minor 3rd
1 velocity layer
Release samples
AB switch: up/down

04 VI-6_grace-zigane-4 Samples: 80 RAM: 5 MB Level 2

Grace notes, zigane (gypsy)
Major 3rd
1 velocity layer
Release samples
AB switch: up/down

98 RESOURCES

Level 1: Interval Performance, legato, medium speed

Level 2: Isolated dynamics repetitions, single layer long notes, interval performance speed variations.

01 Perf Rep dyn Range: G3–D7

01 VI-6_rep_cre5_leg-1 (2/3/4/5) Samples: 21 RAM: 1 MB Level 2

Extracted repetitions: Legato, crescendo, 1st to 5th note
1 velocity layer

01 VI-6_rep_dim5_leg-1 (2/3/4/5) Samples: 21 RAM: 1 MB Level 2

Extracted repetitions: Legato, diminuendo, 1st to 5th note
1 velocity layer

02 VI-6_rep_cre9_por-1 (2/3/4/5/6/7/8/9) Samples: 21 RAM: 1 MB Level 2

Extracted repetitions: Portato, crescendo, 1st to 9th note
1 velocity layer

02 VI-6_rep_dim9_por-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, diminuendo, 1st to 9th note
1 velocity layer

03 VI-6_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

03 VI-6_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

04 VI-6_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, crescendo, 1st to 9th note
1 velocity layer

04 VI-6_rep_dim9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, diminuendo, 1st to 9th note
1 velocity layer

05 VI-6_rep_cre9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, crescendo, 1st to 9th note
1 velocity layer

05 VI-6_rep_dim9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer Range: G3–D7

01 VI-6_sus_Vib-pp **Samples: 84** **RAM: 5 MB** **Level 2**

Single notes: Sustained, vibrato, pp
1 velocity layer
Release samples

02 VI-6_sus_Vib-mp **Samples: 84** **RAM: 5 MB** **Level 2**

Single notes: Sustained, vibrato, mp
1 velocity layer
Release samples

03 VI-6_sus_Vib-f **Samples: 84** **RAM: 5 MB** **Level 2**

Single notes: Sustained, vibrato, f
1 velocity layer
Release samples

04 VI-6_sus_Vib-ff **Samples: 84** **RAM: 5 MB** **Level 2**

Single notes: Sustained, vibrato, ff
1 velocity layer
Release samples

03 Perf Speed variation Range: G3–D7

01 VI-6_perf-legato_me **Samples: 1272 RAM: 79 MB** **Level 1**

Interval performances: Legato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VI-6_perf-marcato_me **Samples: 1424 RAM: 89 MB** **Level 2**

Interval performances: Marcato, medium speed
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

03 VI-6_stac-spic **Samples: 84 RAM: 5 MB** **Level 2**

Single notes: Staccato/spiccato
1 velocity layer
4 Alternations

06 VI-6_perf-spiccato_me **Samples: 609 RAM: 38 MB** **Level 2**

Interval performances: Spiccato, medium speed
Monophonic
1 velocity layer

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 VI-6 Articulation Combi — Samples: 1868 RAM: 116 MB — Level 1

Single note articulations: Normal with vibrato, tremolo, trills, artificial harmonics, pizzicato

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	stac	sus	fp	trem	trill half	harm.stac	pizz.
V2	dét. short	marc	sfz	trem auto	trill whole	harm.sus	snap pizz.

L1 VI-6 Perf-Legato Speed + porta — Samples: 2785 RAM: 174 MB — Level 1

Interval performances: Legato slow and medium, portamento
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato slow	legato medium
V2	portamento	legato medium

L1 VI-6 Perf-Repetitions Combi — Samples: 1449 RAM: 90 MB — Level 1

Repetition performances: Legato, staccato, spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato
V2	staccato
V3	spiccato

Matrix - LEVEL 2 A - Advanced

01 VI-6 Perf-Universal — Samples: 3814 RAM: 238 MB — Level 2

Interval performances: Legato, marcato, staccato/spiccato; slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones Vertical: Modwheel, 3 zones

	H1	H2	H3
legato	slow	slow	medium
marcato	slow	slow	medium
spiccato	stac/spic	slow	medium

02 VI-6 Perf-Legato - All — Samples: 3343 RAM: 208 MB — Level 2

Interval performances: Legato, legato on the same string, zigane (gypsy)
Portamento
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 2 zones

	C1	C#1	D1
legato	normal	one string	zigane
portamento	porta.	porta.	porta.

03 VI-6 Perf-Trill Speed

Samples: 3802 RAM: 237 MB **Level 2**

Multi interval performances: Legato and trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

04 VI-6 Perf-Trill Speed - Combi

Samples: 4963 RAM: 310 MB **Level 2**

Multi interval performances: Legato, zigane, portamento trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 3 zones

	H1	H2
V1	legato	trills
V2	zigane	trills
V3	portamento	trills

05 VI-6 Short+Long notes - All

Samples: 1767 RAM: 110 MB **Level 2**

Single notes: Staccato, détaché short and long, sustained with and without vibrato, espressivo

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato short	staccato long	détaché short	détaché long	sustained vibrato
V2	%	%	%	%	no vibrato
V3	%	%	%	%	espressivo

06 VI-6 Perf-Harsh - Combi

Samples: 612 RAM: 38 MB **Level 2**

Sustained, vibrato variations, espressivo; harsh attack for all
Cell crossfade vibrato/no vibrato, normal/espressivo
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	sus-vib./no vib.	sus/espressivo	harsh

07 VI-6 Espressivo Combi

Samples: 2474 RAM: 154 MB **Level 2**

Legato, legato on the same string, sustained with vibrato
Espressivo with cell crossfade
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
Cell 1	legato	string legato	sus vibrato
Cell 2	espressivo	espressivo	espressivo

Matrix - LEVEL 2 B - Standard

11 VI-6 Perf-Legato Speed — Samples: 1781 RAM: 111 MB Level 2

Interval performances: Legato slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
legato	slow	medium

12 VI-6 Perf-Marcato Speed — Samples: 1424 RAM: 89 MB Level 2

Interval performances: Marcato slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	slow	medium

13 VI-6 Perf-Spiccato Speed — Samples: 693 RAM: 43 MB Level 2

Interval performances: Staccato/spiccato, performance spiccato slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
spiccato	stac/spic	slow	medium

14 VI-6 Short notes - All — Samples: 1344 RAM: 84 MB Level 2

Single notes: Staccato short and long, détaché short and long

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
short notes	staccato short	staccato long	détaché short	détaché long

15 VI-6 Long notes - All — Samples: 423 RAM: 26 MB Level 2

Single notes: Sustained with vibrato, espressivo, no vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
sustained	vibrato	espressivo	no vibrato

16 VI-6 Dynamics - Small — Samples: 378 RAM: 23 MB Level 2

Medium dynamics: Crescendo/diminuendo 2, 3, 4 sec., fortepiano, sforzato, sforzatissimo, all with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
medium dyn. vib.	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

17 VI-6 Dynamics - All

Samples: 764 RAM: 47 MB Level 2

Dynamics: Crescendo/diminuendo 2, 3, 4 sec., medium and strong with vibrato, medium without vibrato, fortepiano, sforzato, sforzatissimo with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
medium dyn. vib.	2sec.	3sec.	4sec.
strong dyn. vib.	2sec.	3sec.	4sec.
med.dyn. no vib.	2sec.	3sec.	4sec.
special dyn.	fp	sfz	sffz

18 VI-6 Tremolo - All

Samples: 189 RAM: 11 MB Level 2

Tremolo: Sustained, sustained with attack automation

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
tremolo	sustained	auto attack

19 VI-6 Trills - version A

Samples: 252 RAM: 15 MB Level 2

Trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

20 VI-6 Trills - version B

Samples: 252 RAM: 15 MB Level 2

Baroque trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

21 VI-6 Trills - All

Samples: 420 RAM: 26 MB Level 2

Normal and Baroque trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
half tone	normal	dynamics	Baroque	Baroque, dyn.
whole tone	normal	dynamics	Baroque	Baroque dyn

22 VI-6 Pizzicato - All

Samples: 296 RAM: 18 MB Level 2

Pizzicato: Normal and snap

Matrix switches: Vertical: Modwheel, 2 zones

	pizzicato
V1	normal
V2	snap

23 VI-6 Harmonics artificial - All
Samples: 187 RAM: 11 MB Level 2

Artificial harmonics: Staccato, sustained, repetition performances

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
harmonics artificial	staccato	sustained	perf. repetition

24 VI-6 Harmonics natural - All
Samples: 184 RAM: 11 MB Level 2

Natural harmonics: Sustained, glissando

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
harmonics natural	sustained	glissando

Matrix - LEVEL 2 C - Repetitions

31 VI-6 Perf-Repetitions - Combi
Samples: 2205 RAM: 137 MB Level 2

Repetition performances: Legato, portato, staccato, spiccato, harsh

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
repetitions	legato	portato	staccato	spiccato	harsh

32 VI-6 Perf-Repetitions - Speed
Samples: 2016 RAM: 126 MB Level 2

Repetition performances: Legato, portato, staccato, spiccato
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
repetitions	legato	portato	staccato	spiccato

33 VI-6 Fast-Repetitions
Samples: 378 RAM: 23 MB Level 2

Fast repetitions: 150, 160, 170, 180, 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

Matrix - LEVEL 2 D - Phrases

41 VI-6 Grace notes - zigane
Samples: 198 RAM: 12 MB Level 2

Grace note, zigane (gypsy): Minor 2nd to major 3rd
Mapped to target note
AB switch: up/down

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
interval	min.2nd	maj.2nd	min.3rd	maj.3rd

Matrix - LEVEL 2 E - Keyswitch Vel

61 VI-6 Legato - cre5 — Samples: 105 RAM: 6 MB Level 2

Legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

62 VI-6 Portato - cre9 — Samples: 189 RAM: 11 MB Level 2

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

63 VI-6 Staccato - cre9 — Samples: 189 RAM: 11 MB Level 2

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

64 VI-6 Spiccato - cre9 — Samples: 189 RAM: 11 MB Level 2

Spiccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

65 VI-6 Harsh - cre9 — Samples: 189 RAM: 11 MB Level 2

Harsh notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

66 VI-6 Combi - cre9 — Samples: 756 RAM: 47 MB Level 2

Portato, staccato, spiccato, harsh: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

71 VI-6 Legato - dim5

Samples: 105 RAM: 6 MB Level 2

Legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 VI-6 Portato - dim9

Samples: 189 RAM: 11 MB Level 2

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

73 VI-6 Staccato - dim9

Samples: 189 RAM: 11 MB Level 2

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 VI-6 Spiccato - dim9

Samples: 189 RAM: 11 MB Level 2

Spiccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

75 VI-6 Harsh - dim9

Samples: 189 RAM: 11 MB Level 2

Harsh notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

76 VI-6 Combi - dim9

Samples: 756 RAM: 47 MB Level 2

Portato, staccato, spiccato, harsh: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

Presets

VI-6 VSL Preset Level 1 **Samples: 5682 RAM: 355 MB** **Level 1**

L1 VI-6 Perf-Legato Speed + porta
L1 VI-6 Articulation Combi
L1 VI-6 Perf-Repetitions Combi

Keyswitches: C2–D2

VI-6 VSL Preset Level 2 **Samples: 9785 RAM: 611 MB** **Level 2**

01 VI-6 Perf-Universal
02 VI-6 Perf-Legato - All
L1 VI-6 Articulation Combi
31 VI-6 Perf-Repetitions - Combi
66 VI-6 Combi - cre9
06 VI-6 Perf-Harsh - Combi
07 VI-6 Espressivo Combi

Keyswitches: C2–F#2

12 Violas chamber

Description

The viola is the alto instrument of the violin family. It is constructed using the same components as the violin, the only difference being the larger size. Its stately and dark timbre contrasts sharply with that of the violin.

The modern symphony orchestra usually uses 10 (in large orchestras 12) violas.

Range and notation

The viola has a range from C3–A6 (harmonic E7).

The viola is a non-transposing instrument notated in alto clef, and in treble clef from the second octave above middle C. The viola's range lies mainly between C3 and G5, that is, within the alto clef's domain.

Sound characteristics

Dark, stately, reedy, warm, distinctive, full, lively, singing, eloquent, introspective, sensuous, round, muffled, solemn, austere, muted, rough, wafting, veiled, sonorous, powerful, robust.

The sound of the violas as a group achieves an austere charm which is used for melodic tasks at dramatic turning points, especially in the opera orchestra.

Combination with other instruments

The doubling of voices in the middle register is one of the viola's customary roles as it is acting as an intermediary between the violins and the cellos.

Woodwinds provide the strings with more volume and power, while the strings make the woodwinds more mellow, especially when playing in *unison*. In high registers and played *forte* or *fortissimo* the viola is perfectly capable of matching the woodwinds for intensity and acerbity of sound, an effect that is intensified when the groups play in combination.

The combination of violas and the majority of brass instruments produces a relatively homogeneous sound.

Patches

01 SHORT + LONG NOTES Range: C3–D6

Level 1: Long staccato, short and long détaché, sustained with vibrato, espressivo

Level 2: Short staccato, sustained without vibrato

01 VA-4_staccato_short **Samples: 370** **RAM: 23 MB** **Level 2**

Short staccato
5 velocity layers: 0–28 ppp; 29–55 pp; 56–88 mp; 89–108 mf; 109–127 ff
4 Alternations

02 VA-4_staccato_long **Samples: 370** **RAM: 23 MB** **Level 1**

Long staccato
5 velocity layers: 0–28 ppp; 29–55 pp; 56–88 mp; 89–108 mf; 109–127 ff
4 Alternations

03 VA-4_detache_short **Samples: 370** **RAM: 23 MB** **Level 1**

Short détaché
5 velocity layers: 0–28 pp; 29–55 p; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

04 VA-4_detache_long **Samples: 370** **RAM: 23 MB** **Level 1**

Long détaché
5 velocity layers: 0–28 pp; 29–55 p; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

10 VA-4_sus_Vib **Samples: 222** **RAM: 13 MB** **Level 1**

Sustained, vibrato
3 velocity layers: 0–55 pp; 56–108 mf; 109–127 f
Release samples

11 VA-4_sus_Vib_fA **Samples: 222** **RAM: 13 MB** **Level 2**

Sustained, vibrato
Optimized attack for legato
3 velocity layers
Release samples

12 VA-4_sus_Vib_fA_auto **Samples: 333** **RAM: 20 MB** **Level 2**

Sustained, vibrato
Attack automation
Monophonic
3 velocity layers
Release samples

13 VA-4_sus_Vib-espr **Samples: 56** **RAM: 3 MB** **Level 1**

Sustained, vibrato/espressivo
1 velocity layer
Release samples

14 VA-4_sus_Vib-espr_fA **Samples: 56** **RAM: 3 MB** **Level 2**

Sustained, vibrato/espressivo
Optimized attack for legato
1 velocity layer
Release samples

15 VA-4_sus_Vib-espr_fA_auto **Samples: 75** **RAM: 4 MB** **Level 2**

Sustained, vibrato/espressivo
Attack automation
Monophonic
1 velocity layer
Release samples

16 VA-4_sus_noVib **Samples: 168** **RAM: 10 MB** **Level 2**

Sustained, no vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

17 VA-4_sus_noVib_fA **Samples: 168** **RAM: 10 MB** **Level 2**

Sustained, no vibrato
Optimized attack for legato
3 velocity layers
Release samples

18 VA-4_sus_noVib_fA_auto **Samples: 225** **RAM: 14 MB** **Level 2**

Sustained, no vibrato
Attack automation
Monophonic
3 velocity layers
Release samples

02 DYNAMICS **Range: C3–D6**

Level 1: Fortepiano and sforzato

Level 2: Medium and strong crescendo and diminuendo with vibrato (2, 3, and 4 sec.), medium crescendo and diminuendo without vibrato (2, 3, and 4 sec.), sforzatissimo

01 VA-4_dyn-me_Vib_2s **Samples: 76** **RAM: 4 MB** **Level 2**

Medium dynamics, 2 sec., vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

02 VA-4_dyn-me_Vib_3s **Samples: 76** **RAM: 4 MB** **Level 2**

Medium dynamics, 3 sec., vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

03 VA-4_dyn-me_Vib_4s **Samples: 76** **RAM: 4 MB** **Level 2**

Medium dynamics, 4 sec., vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

04 VA-4_dyn-str_Vib_2s **Samples: 38** **RAM: 2 MB** **Level 2**

Strong dynamics, 2 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

05 VA-4_dyn-str_Vib_3s **Samples: 38** **RAM: 2 MB** **Level 2**

Strong dynamics, 3 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

06 VA-4_dyn-str_Vib_4s **Samples: 38** **RAM: 2 MB** **Level 2**

Strong dynamics, 4 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

07 VA-4_dyn-me_noVib_2s **Samples: 76** **RAM: 4 MB** **Level 2**

Medium dynamics, 2 sec., no vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

08 VA-4_dyn-me_noVib_3s **Samples: 76** **RAM: 4 MB** **Level 2**

Medium dynamics, 3 sec., no vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

09 VA-4_dyn-me_noVib_4s **Samples: 76** **RAM: 4 MB** **Level 2**

Medium dynamics, 4 sec., no vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

10 VA-4_fp_Vib **Samples: 37** **RAM: 2 MB** **Level 1**

Fortepiano, vibrato
1 velocity layer
2 Alternations

11 VA-4_sfz_Vib **Samples: 37** **RAM: 2 MB** **Level 1**

Sforzato, vibrato
1 velocity layer
2 Alternations

12 VA-4_sffz_Vib **Samples: 37** **RAM: 2 MB** **Level 2**

Sforzatissimo, vibrato
1 velocity layer
2 Alternations

03 TREMOLO + TRILLS Range: C3–D6

Level 1: Tremolo sustained, trills half and whole tone

Level 2: Baroque trills half and whole tone, dynamics for all trills

01 VA-4_trem_sus **Samples: 114** **RAM: 7 MB** **Level 1**

Tremolo sustained
3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff
Release samples

02 VA-4_trem_sus_fA **Samples: 114** **RAM: 7 MB** **Level 2**

Tremolo sustained
Optimized attack for legato
3 velocity layers
Release samples

03 VA-4_trem_sus_fA_auto **Samples: 171** **RAM: 10 MB** **Level 1**

Tremolo sustained
Attack automation
Monophonic
3 velocity layers
Release samples

10 VA-4_trill-A_1 **Samples: 76** **RAM: 4 MB** **Level 1**

Trills: Normal, half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 VA-4_trill-A_2 **Samples: 76** **RAM: 4 MB** **Level 1**

Trills: Normal, whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 VA-4_trill-A_1_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Normal, half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

13 VA-4_trill-A_2_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Normal, whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

14 VA-4_trill-B_1 **Samples: 76** **RAM: 4 MB** **Level 2**

Trills: Baroque, half tone
AB switch crescendo/diminuendo
2 velocity layers: 0–88 p; 89–127 f
Release samples

15 VA-4_trill-B_2 **Samples: 76** **RAM: 4 MB** **Level 2**

Trills: Baroque, whole tone
AB switch crescendo/diminuendo
2 velocity layers: 0–88 p; 89–127 f
Release samples

16 VA-4_trill-B_1_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Baroque, half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

17 VA-4_trill-B_2_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Baroque, whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

04 PIZZ **Range: C3–D6**

Level 1: Normal and snap (Bartók) pizzicato

01 VA-4_pizz **Samples: 222** **RAM: 13 MB** **Level 1**

Pizzicato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 VA-4_pizz_snap **Samples: 38** **RAM: 2 MB** **Level 1**

Snap pizzicato
1 velocity layer
2 Alternations

05 HARMONICS **Range: C4–A#6**

Level 1: Artificial harmonics staccato and sustained

Level 2: Artificial harmonics repetition performances; natural harmonics sustained and glissando
Harmonics patches are mapped an octave lower than they sound.

01 VA-4_harm-art_stac **Samples: 34** **RAM: 2 MB** **Level 1**

Artificial harmonics: Staccato
1 velocity layer
2 Alternations

02 VA-4_harm-art_sus **Samples: 68** **RAM: 4 MB** **Level 1**

Artificial harmonics: Sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 VA-4_harm-art_sus_fA **Samples: 68** **RAM: 4 MB** **Level 2**

Artificial harmonics: Sustained
Optimized attack for legato
2 velocity layers
Release samples

04 VA-4_harm-art_sus_fA_auto **Samples: 102** **RAM: 6 MB** **Level 2**

Artificial harmonics: Sustained
Attack automation
Monophonic
2 velocity layers
Release samples

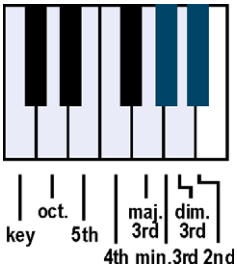
05 VA-4_harm-art_perf-rep **Samples: 85** **RAM: 5 MB** **Level 2**

Artificial harmonics: Repetition performances
1 velocity layer

11 VA-4_harm-nat_sus **Range: C3–A#6** **Samples: 128** **RAM: 8 MB** **Level 2**

Natural harmonics: Sustained notes on every string, from fundamental to 7th harmonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

Mapping:
C – key note; D – 1st (octave); E – 2nd (5th); F – 3rd (4th); G – 4th (maj. 3rd); G# – 5th (min. 3rd); A – 6th (dim. 3rd); A# – 7th (2nd)
C3–A#3: C string; C4–A#4: G string; C5–A#5: D string; C6–A#6: A string



12 VA-4_harm-nat_sus_fA **Range: C3–A#6** **Samples: 128** **RAM: 8 MB** **Level 2**

Natural harmonics: Sustained
Optimized attack for legato
2 velocity layers
Release samples

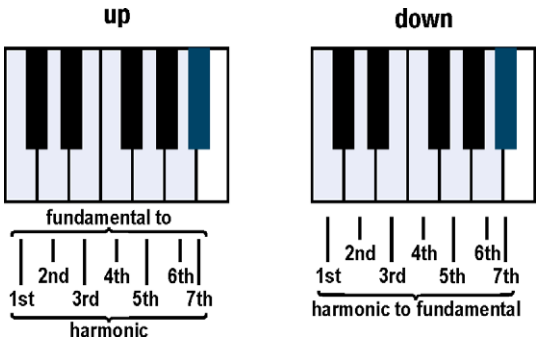
13 VA-4_harm-nat_sus_fA_auto **Range: C3–A#6** **Samples: 192** **RAM: 12 MB** **Level 2**

Natural harmonics: Sustained
Attack automation
Monophonic
2 velocity layers
Release samples

14 VA-4_harm-nat_gliss **Range: C3–A#6** **Samples: 55** **RAM: 3 MB** **Level 2**

Natural harmonics: Glissando
1 velocity layer
AB switch: up/down

Mapping:
C – key note to 1st (octave); D – to 2nd (+5th); E – to 3rd (+4th); F – to 4th (+maj 3rd); G – to 5th (+min. 3rd); A – to 6th (+dim. 3rd); A# – to 7th (+2nd)
C3–A#3: C string; C4–A#4: G string; C5–A#5: D string; C6–A#6: A string



10 PERF INTERVAL **Range: C3–D6**

Level 1: Legato, portamento
Level 2: Legato on the same string, zigane (gypsy), marcato, and spiccato

01 VA-4_perf-legato **Samples: 1140** **RAM: 71 MB** **Level 1**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VA-4_perf-legato_sul **Samples: 964** **RAM: 60 MB** **Level 2**

Legato on the same string
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

03 VA-4_perf-legato_zigane **Samples: 769** **RAM: 48 MB** **Level 2**

Legato, zigane (gypsy)
Monophonic
2 velocity layers: 0–88 mp; 89–127 mf
Release samples

04 VA-4_perf-portamento **Samples: 964** **RAM: 60 MB** **Level 1**

Portamento
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

05 VA-4_perf-marcato **Samples: 1270** **RAM: 79 MB** **Level 2**

Marcato
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

06 VA-4_perf-spiccato **Samples: 543** **RAM: 33 MB** **Level 2**

Spiccato, mezzoforte
Monophonic
1 velocity layer

11 PERF TRILL **Range: C3–D6**

Level 2: Trills, legato

01 VA-4_perf-trill_leg **Range: C3–C6** **Samples: 2606** **RAM: 162 MB** **Level 1**

Trills, legato, minor 2nd to 4th
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 PERF REPETITION **Range: C3–C6**

Level 1: Legato, staccato, spiccato
Level 2: Portato, harsh; dynamics for all articulations

01 VA-4_perf-rep_leg **Range: C3–D6** **Samples: 285** **RAM: 17 MB** **Level 1**

Legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 VA-4_perf-rep_por **Range: C3–D6** **Samples: 513** **RAM: 32 MB** **Level 2**

Portato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 VA-4_perf-rep_sta **Range: C3–D6** **Samples: 513** **RAM: 32 MB** **Level 1**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

04 VA-4_perf-rep_spi **Range: C3–D6** **Samples: 513** **RAM: 32 MB** **Level 1**

Spiccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

05 VA-4_perf-rep_harsh **Range: C3–D6** **Samples: 171** **RAM: 10 MB** **Level 2**

Harsh, forte
1 velocity layer

21 VA-4_perf-rep_dyn5_leg **Range: C3–D6** **Samples: 190** **RAM: 11 MB** **Level 2**

Legato dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

22 VA-4_perf-rep_dyn9_por **Range: C3–D6** **Samples: 342** **RAM: 21 MB** **Level 2**

Portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

23 VA-4_perf-rep_dyn9_sta **Range: C3–D6** **Samples: 342** **RAM: 21 MB** **Level 2**

Staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

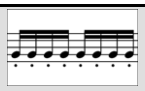
24 VA-4_perf-rep_dyn9_spi **Range: C3–D6** **Samples: 342** **RAM: 21 MB** **Level 2**

Spiccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

25 VA-4_perf-rep_dyn9_harsh **Range: C3–D6** **Samples: 342** **RAM: 21 MB** **Level 2**

Harsh dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

13 FAST REPETITION **Range: C3–D6**



Level 2: 9 repetitions, speeds from 150 to 190 BPM, normal and dynamics

01 VA-4_fast-rep_150 (160/170/180/190) **Samples: 114** **RAM: 7 MB** **Level 2**

Fast repetitions: Staccato, 9 repetitions, 150, 160, 170, 180, 190 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

11 VA-4_fast-rep_150_dyn (160/170/180/190) **Samples: 38** **RAM: 2 MB** **Level 2**

Fast repetitions: Staccato dynamics, 9 repetitions, 150, 160, 170, 180, 190 BPM
1 velocity layer
AB switch: crescendo/diminuendo

14 GRACE NOTES **Range: C3–D6**

Level 2: Grace notes, zigane (gypsy), minor 2nd to major 3rd

01 VA-4_grace-zigane-1 **Samples: 73** **RAM: 4 MB** **Level 2**

Grace notes, zigane (gypsy), half tone
1 velocity layer
Release samples
AB switch: up/down

02 VA-4_grace-zigane-2 **Samples: 73** **RAM: 4 MB** **Level 2**

Grace notes, zigane (gypsy), whole tone
1 velocity layer
Release samples
AB switch: up/down

03 VA-4_grace-zigane-3 **Samples: 71** **RAM: 4 MB** **Level 2**

Grace notes, zigane (gypsy), minor 3rd
1 velocity layer
Release samples
AB switch: up/down

04 VA-4_grace-zigane-4 **Samples: 71** **RAM: 4 MB** **Level 2**

Grace notes, zigane (gypsy), major 3rd
1 velocity layer
Release samples
AB switch: up/down

98 RESOURCES

Level 1: Interval Performance, legato, medium speed

Level 2: Isolated dynamics repetitions, single layer long notes, interval performance speed variations.

01 Perf Rep dyn Range: C3–D6

01 VA-4_rep_cre5_leg-1 (2/3/4/5) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato, crescendo, 1st to 5th note
1 velocity layer

01 VA-4_rep_dim5_leg-1 (2/3/4/5) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato, diminuendo, 1st to 5th note
1 velocity layer

02 VA-4_rep_cre9_por-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, crescendo, 1st to 9th note
1 velocity layer

02 VA-4_rep_dim9_por-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, diminuendo, 1st to 9th note
1 velocity layer

03 VA-4_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

03 VA-4_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

04 VA-4_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, crescendo, 1st to 9th note
1 velocity layer

04 VA-4_rep_dim9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, diminuendo, 1st to 9th note
1 velocity layer

05 VA-4_rep_cre9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, crescendo, 1st to 9th note
1 velocity layer

05 VA-4_rep_dim9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer Range: C3–D6

01 VA-4_sus_Vib-p **Samples: 74** **RAM: 4 MB** **Level 2**

Single notes: Sustained, vibrato, p
1 velocity layer
Release samples

02 VA-4_sus_Vib-mf **Samples: 74** **RAM: 4 MB** **Level 2**

Single notes: Sustained, vibrato, mf
1 velocity layer
Release samples

03 VA-4_sus_Vib-f **Samples: 74** **RAM: 4 MB** **Level 2**

Single notes: Sustained, vibrato, f
1 velocity layer
Release samples

03 Perf Speed variation Range: C3–D6

01 VA-4_perf-legato_me **Samples: 1152** **RAM: 72 MB** **Level 1**

Interval performances: Legato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VA-4_perf-marcato_me **Samples: 1270** **RAM: 79 MB** **Level 2**

Interval performances: Marcato, medium speed
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

03 VA-4_stac-spic **Samples: 74** **RAM: 4 MB** **Level 2**

Single notes: Staccato/spiccato
1 velocity layer
4 Alternations

04 VA-4_perf-spiccato_me **Samples: 543** **RAM: 33 MB** **Level 2**

Interval performances: Spiccato, medium speed
Monophonic
1 velocity layer

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 VA-4 Articulation Combi — Samples: 1740 RAM: 108 MB — Level 1

Single note articulations: Normal with vibrato, tremolo, trills, artificial harmonics, pizzicato

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	stac	sus	fp	trem	trill half	harm.stac	pizz.
V2	dét. short	marc	sfz	trem auto	trill whole	harm.sus	snap pizz.

L1 VA-4 Perf-Legato Speed + porta — Samples: 2331 RAM: 145 MB — Level 1

Interval performances: Legato slow and medium, portamento
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato slow	legato medium
V2	portamento	legato medium

L1 VA-4 Perf-Repetitions Combi — Samples: 1311 RAM: 81 MB — Level 1

Repetition performances: Legato, staccato, spiccato
Monophonic

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato
V2	staccato
V3	spiccato

Matrix - LEVEL 2 A - Advanced

01 VA-4 Perf-Universal — Samples: 3289 RAM: 205 MB — Level 2

Interval performances: Legato, marcato, staccato/spiccato; slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones Vertical: Modwheel, 3 zones

	H1	H2	H3
legato	slow	slow	medium
marcato	slow	slow	medium
spiccato	stac/spic	slow	medium

02 VA-4 Perf-Legato - All — Samples: 2879 RAM: 179 MB — Level 2

Interval performances: Legato, legato on the same string, zigane (gypsy)/Portamento
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 2 zones

	C1	C#1	D1
legato	normal	one string	zigane
portamento	porta.	porta.	porta.

03 VA-4 Perf-Trill Speed

Samples: 3156 RAM: 197 MB **Level 2**

Multi interval performances: Legato and trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

04 VA-4 Perf-Trill Speed - Combi

Samples: 4151 RAM: 259 MB **Level 2**

Multi interval performances: Legato, zigane, portamento trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 3 zones

	H1	H2
V1	legato	trills
V2	zigane	trills
V3	portamento	trills

05 VA-4 Short+Long notes - All

Samples: 1778 RAM: 111 MB **Level 2**

Single notes: Staccato, détaché short and long, sustained with and without vibrato, espressivo

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato short	staccato long	détaché short	détaché long	sustained vibrato
V2	%	%	%	%	no vibrato
V3	%	%	%	%	espressivo

06 VA-4 Perf-Harsh - Combi

Samples: 469 RAM: 29 MB **Level 2**

Sustained, vibrato variations, espressivo; harsh attack for all
Cell crossfade vibrato/no vibrato, normal/espressivo
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	sus-vib./no vib.	sus/espressivo	harsh

07 VA-4 Espressivo Combi

Samples: 2107 RAM: 131 MB **Level 2**

Legato, legato on the same string, sustained with vibrato/Espressivo
Cell crossfades legato/espressivo
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
Cell 1	legato	string legato	sus vibrato
Cell 2	espressivo	espressivo	espressivo

Matrix - LEVEL 2 B - Standard

11 VA-4 Perf-Legato Speed — Samples: 1476 RAM: 92 MB Level 2

Interval performances: Legato slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
legato	slow	medium

12 VA-4 Perf-Marcato Speed — Samples: 1270 RAM: 79 MB Level 2

Interval performances: Marcato slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	slow	medium

13 VA-4 Perf-Spiccato Speed — Samples: 617 RAM: 38 MB Level 2

Interval performances: Staccato/spiccato, performance spiccato slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
spiccato	stac/spic	slow	medium

14 VA-4 Short notes - All — Samples: 1480 RAM: 92 MB Level 2

Single notes: Staccato short and long, détaché short and long

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
short notes	staccato short	staccato long	détaché short	détaché long

15 VA-4 Long notes - All — Samples: 298 RAM: 18 MB Level 2

Single notes: Sustained with vibrato, espressivo, no vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
sustained	vibrato	espressivo	no vibrato

16 VA-4 Dynamics - Small — Samples: 339 RAM: 21 MB Level 2

Medium dynamics: Crescendo/diminuendo 2, 3, 4 sec., fortepiano, sforzato, sforzatissimo, all with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
medium dyn. vib.	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

17 VA-4 Dynamics - All

Samples: 681 RAM: 42 MB Level 2

Dynamics: Crescendo/diminuendo 2, 3, 4 sec.,medium and strong with vibrato, medium without vibrato, fortepiano, sforzato, sforzatissimo with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
medium dyn. vib.	2sec.	3sec.	4sec.
strong dyn. vib.	2sec.	3sec.	4sec.
med.dyn. no vib.	2sec.	3sec.	4sec.
special dyn.	fp	sfz	sffz

18 VA-4 Tremolo - All

Samples: 171 RAM: 10 MB Level 2

Tremolo: Sustained, sustained with attack automation

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
tremolo	sustained	auto attack

19 VA-4 Trills - version A

Samples: 228 RAM: 14 MB Level 2

Trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

20 VA-4 Trills - version B

Samples: 228 RAM: 14 MB Level 2

Baroque trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

21 VA-4 Trills - All

Samples: 380 RAM: 23 MB Level 2

Normal and Baroque trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
half tone	normal	dynamics	Baroque	Baroque, dyn.
whole tone	normal	dynamics	Baroque	Baroque dyn

22 VA-4 Pizzicato - All

Samples: 260 RAM: 16 MB Level 2

Pizzicato: Normal and snap

Matrix switches: Vertical: Modwheel, 2 zones

	pizzicato
V1	normal
V2	snap

23 VA-4 Harmonics artificial - All

Samples: 187 RAM: 11 MB Level 2

Artificial harmonics: Staccato, sustained, repetition performances

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
harmonics artificial	staccato	sustained	perf. repetition

24 VA-4 Harmonics natural - All

Samples: 183 RAM: 11 MB Level 2

Natural harmonics: Sustained, glissando

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
harmonics natural	sustained	glissando

Matrix - LEVEL 2 C - Repetitions

31 VA-4 Perf-Repetitions - Combi

Samples: 1995 RAM: 124 MB Level 2

Repetition performances: Legato, portato, staccato, spiccato, harsh

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
repetitions	legato	portato	staccato	spiccato	harsh

32 VA-4 Perf-Repetitions - Speed

Samples: 1824 RAM: 114 MB Level 2

Repetition performances: Legato, portato, staccato, spiccato
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
repetitions	legato	portato	staccato	spiccato

33 VA-4 Fast-Repetitions

Samples: 342 RAM: 21 MB Level 2

Fast repetitions: 150, 160, 170, 180, 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

Matrix - LEVEL 2 D - Phrases

41 VA-4 Grace notes - zigane

Samples: 177 RAM: 11 MB Level 2

Grace notes, zigane (gypsy): Minor 2nd to major 3rd
Mapped to target note
AB switch: up/down

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
interval	min.2nd	maj.2nd	min.3rd	maj.3rd

Matrix - LEVEL 2 E - Keyswitch Vel

61 VA-4 Legato - cre5 — Samples: 95 RAM: 5 MB Level 2

Legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

62 VA-4 Portato - cre9 — Samples: 171 RAM: 10 MB Level 2

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

63 VA-4 Staccato - cre9 — Samples: 171 RAM: 10 MB Level 2

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

64 VA-4 Spiccato - cre9 — Samples: 171 RAM: 10 MB Level 2

Spiccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

65 VA-4 Harsh - cre9 — Samples: 171 RAM: 10 MB Level 2

Harsh notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

66 VA-4 Combi - cre9 — Samples: 684 RAM: 42 MB Level 2

Portato, staccato, spiccato, harsh: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

71 VA-4 Legato - dim5 — Samples: 95 RAM: 5 MB Level 2

Legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 VA-4 Portato - dim9 — Samples: 171 RAM: 10 MB Level 2

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

73 VA-4 Staccato - dim9 — Samples: 171 RAM: 10 MB Level 2

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 VA-4 Spiccato - dim9 — Samples: 171 RAM: 10 MB Level 2

Spiccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

75 VA-4 Harsh - dim9 — Samples: 171 RAM: 10 MB Level 2

Harsh notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

76 VA-4 Combi - dim9 — Samples: 684 RAM: 42 MB Level 2

Portato, staccato, spiccato, harsh: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

Presets

VA-4 VSL Preset Level 1 **Samples: 5082 RAM: 317 MB** **Level 1**

L1 VA-4 Perf-Legato Speed + porta
L1 VA-4 Articulation Combi
L1 VA-4 Perf-Repetitions Combi
Keyswitches: C2–D2

VA-4 VSL Preset Level 2 **Samples: 8711 RAM: 544 MB** **Level 2**

01 VA-4 Perf-Universal
02 VA-4 Perf-Legato - All
L1 VA-4 Articulation Combi
31 VA-4 Perf-Repetitions - Combi
66 VA-4 Combi - cre9
06 VA-4 Perf-Harsh - Combi
07 VA-4 Espressivo Combi
Keyswitches: C2–F#2

13 Celli chamber

Description

The cello is the tenor and bass instrument of the violin family.

In the 19th century the cello advanced along with the violin to become the most important bowed instrument for solo works.

The modern symphony orchestra usually uses 8 (in large orchestras 10) cellos.

Range and notation

The cello has a range from C2–A5 (harmonic A7).

It is a non-transposing instrument notated mainly in bass clef. Because of its huge range tenor and treble clef are also used.

Sound characteristics

Mellow, warm, sonorous, full, clear, brilliant, vibrant, singing, bright, lustrous, stately, lyrical, cantabile, thick, weighty, powerful, silky, lively, incisive, eloquent, transcendental, supernatural, sensuous, calm, round, pure, muffled, dark, open, sustaining, solemn, wafting, gentle, sweet, veiled.

The cello possesses a wide variety of differing tonal colors and means of expression, ranging from the calm and solemn in the lower register to bursts of passion in the uppermost register. It is something of a split personality: on the one hand it plays the part of the solid, reliable bass instrument; on the other hand it aspires to the passion of a heroic tenor.

Combination with other instruments

The cello has a particularly good blend with all other instruments in the orchestra.

Its tasks range from performing the bass part to expansive melody lines in the tenor register. Cellos playing in octaves with double basses is a ”classic” combination.

Woodwinds provide the strings with more volume and power, while the strings make the woodwinds more mellow. Oboe and bassoon accentuate the bright and clear properties of the cello’s sound, while the clarinet makes the cello sound more mellow.

The blend with the brass instruments is strongly influenced by the playing technique employed by the strings (pizzicato, col legno). The combination of cellos and horns played softly is particularly pleasing.

Patches

01 SHORT + LONG NOTES Range: C2–A#5

Level 1: Long staccato, short and long détaché, sustained with vibrato, espressivo

Level 2: Short staccato, sustained without vibrato

01 VC-3_staccato_short **Samples: 352** **RAM: 22 MB** **Level 2**

Short staccato
4 velocity layers: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

02 VC-3_staccato_long **Samples: 352** **RAM: 22 MB** **Level 1**

Long staccato
4 velocity layers: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

03 VC-3_detache_short **Samples: 352** **RAM: 22 MB** **Level 1**

Short détaché
4 velocity layers: 0–55 pp; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

04 VC-3_detache_long **Samples: 264** **RAM: 16 MB** **Level 1**

Long détaché
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

10 VC-3_sus_Vib **Samples: 264** **RAM: 16 MB** **Level 1**

Sustained, vibrato
3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff
Release samples

11 VC-3_sus_Vib_fA **Samples: 264** **RAM: 16 MB** **Level 2**

Sustained, vibrato
Optimized attack for legato
3 velocity layers
Release samples

12 VC-3_sus_Vib_fA_auto **Samples: 396** **RAM: 24 MB** **Level 2**

Sustained, vibrato
Attack automation
Monophonic
3 velocity layers
Release samples

13 VC-3_sus_Vib-espr **Samples: 66** **RAM: 4 MB** **Level 1**

Sustained, vibrato/espressivo
1 velocity layer
Release samples

14 VC-3_sus_Vib-espr_fA **Samples: 66** **RAM: 4 MB** **Level 2**

Sustained, vibrato/espressivo
Optimized attack for legato
1 velocity layer
Release samples

15 VC-3_sus_Vib-espr_fA_auto **Samples: 88** **RAM: 5 MB** **Level 2**

Sustained, vibrato/espressivo
Attack automation
Monophonic
1 velocity layer
Release samples

16 VC-3_sus_noVib **Samples: 201** **RAM: 12 MB** **Level 2**

Sustained, no vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

17 VC-3_sus_noVib_fA **Samples: 201** **RAM: 12 MB** **Level 2**

Sustained, no vibrato
Optimized attack for legato
3 velocity layers
Release samples

18 VC-3_sus_noVib_fA_auto **Samples: 270** **RAM: 16 MB** **Level 2**

Sustained, no vibrato
Attack automation
Monophonic
3 velocity layers
Release samples

02 DYNAMICS **Range: C2–A#5**

Level 1: Fortepiano and sforzato

Level 2: Medium and strong crescendo and diminuendo with vibrato (2, 3, and 4 sec.), medium crescendo and diminuendo without vibrato (2, 3, and 4 sec.), sforzatissimo

01 VC-3_dyn-me_Vib_2s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 2 sec., vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

02 VC-3_dyn-me_Vib_3s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 3 sec., vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

03 VC-3_dyn-me_Vib_4s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 4 sec., vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

04 VC-3_dyn-str_Vib_2s **Samples: 44** **RAM: 2 MB** **Level 2**

Strong dynamics, 2 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

05 VC-3_dyn-str_Vib_3s **Samples: 44** **RAM: 2 MB** **Level 2**

Strong dynamics, 3 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

06 VC-3_dyn-str_Vib_4s **Samples: 44** **RAM: 2 MB** **Level 2**

Strong dynamics, 4 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

07 VC-3_dyn-me_noVib_2s **Samples: 92** **RAM: 5 MB** **Level 2**

Medium dynamics, 2 sec., no vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

08 VC-3_dyn-me_noVib_3s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 3 sec., no vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

09 VC-3_dyn-me_noVib_4s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 4 sec., no vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

10 VC-3_fp_Vib **Samples: 44** **RAM: 2 MB** **Level 1**

Fortepiano, vibrato
1 velocity layer
2 Alternations

11 VC-3_sfz_Vib **Samples: 44** **RAM: 2 MB** **Level 1**

Sforzato, vibrato
1 velocity layer
2 Alternations

12 VC-3_sffz_Vib **Samples: 44** **RAM: 2 MB** **Level 2**

Sforzatissimo, vibrato
1 velocity layer
2 Alternations

03 TREMOLO + TRILLS Range: C2–A#5

Level 1: Tremolo sustained, trills half and whole tone

Level 2: Baroque trills half and whole tone, dynamics for all trills

01 VC-3_trem_sus **Samples: 132** **RAM: 8 MB** **Level 1**

Tremolo sustained
3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff
Release samples

02 VC-3_trem_sus_fA **Samples: 132** **RAM: 8 MB** **Level 2**

Tremolo sustained
Optimized attack for legato
3 velocity layers
Release samples

03 VC-3_trem_sus_fA_auto **Samples: 198** **RAM: 12 MB** **Level 1**

Tremolo sustained
Attack automation
Monophonic
3 velocity layers
Release samples

10 VC-3_trill-A_1 **Samples: 84** **RAM: 5 MB** **Level 1**

Trills: Normal, half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 VC-3_trill-A_2 **Samples: 84** **RAM: 5 MB** **Level 1**

Trills: Normal, whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 VC-3_trill-A_1_dyn **Samples: 42** **RAM: 2 MB** **Level 2**

Trills: Normal, half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

13 VC-3_trill-A_2_dyn **Samples: 42** **RAM: 2 MB** **Level 2**

Trills: Normal, whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

14 VC-3_trill-B_1 **Samples: 84** **RAM: 5 MB** **Level 2**

Trills: Baroque, half tone
AB switch crescendo/diminuendo
2 velocity layers: 0–88 p; 89–127 f
Release samples

15 VC-3_trill-B_2 **Samples: 84** **RAM: 5 MB** **Level 2**

Trills: Baroque, whole tone
AB switch crescendo/diminuendo
2 velocity layers: 0–88 p; 89–127 f
Release samples

16 VC-3_trill-B_1_dyn **Samples: 42** **RAM: 2 MB** **Level 2**

Trills: Baroque, half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

17 VC-3_trill-B_2_dyn **Samples: 42** **RAM: 2 MB** **Level 2**

Trills: Baroque, whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

04 PIZZ **Range: C2–A#5**

Level 1: Normal and snap (Bartók) pizzicato

01 VC-3_pizz **Samples: 264** **RAM: 16 MB** **Level 1**

Pizzicato
3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff
4 Alternations

02 VC-3_pizz_snap **Samples: 44** **RAM: 2 MB** **Level 1**

Snap pizzicato
1 velocity layer
2 Alternations

05 HARMONICS **Range: C3–A6**

Level 1: Artificial harmonics staccato and sustained

Level 2: Artificial harmonics repetition performances; natural harmonics sustained and glissando
Harmonics patches are mapped an octave lower than they sound.

01 VC-3_harm-art_stac **Samples: 44** **RAM: 2 MB** **Level 1**

Artificial harmonics: Staccato
1 velocity layer
2 Alternations

02 VC-3_harm-art_sus **Samples: 88** **RAM: 5 MB** **Level 1**

Artificial harmonics: Sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 VC-3_harm-art_sus_fA **Samples: 88** **RAM: 5 MB** **Level 2**

Artificial harmonics: Sustained
Optimized attack for legato
2 velocity layers
Release samples

04 VC-3_harm-art_sus_fA_auto **Samples: 132** **RAM: 8 MB** **Level 2**

Artificial harmonics: Sustained
Attack automation
Monophonic
2 velocity layers
Release samples

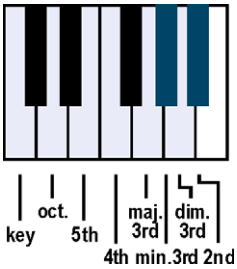
05 VC-3_harm-art_perf-rep **Samples: 110** **RAM: 6 MB** **Level 2**

Artificial harmonics: Repetition performances
1 velocity layer

11 VC-3_harm-nat_sus **Range: C2–A#5** **Samples: 128** **RAM: 8 MB** **Level 2**

Natural harmonics: Sustained notes on every string, from fundamental to 7th harmonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

Mapping:
C – key note; D – 1st (octave); E – 2nd (5th); F – 3rd (4th); G – 4th (maj. 3rd); G# – 5th (min. 3rd); A – 6th (dim. 3rd); A# – 7th (2nd)
C2–A#2: C string; C3–A#3: G string; C4–A#4: D string; C5–A#5: A string



12 VC-3_harm-nat_sus_fA **Range: C2–A#5** **Samples: 128** **RAM: 8 MB** **Level 2**

Natural harmonics: Sustained
Optimized attack for legato
2 velocity layers
Release samples

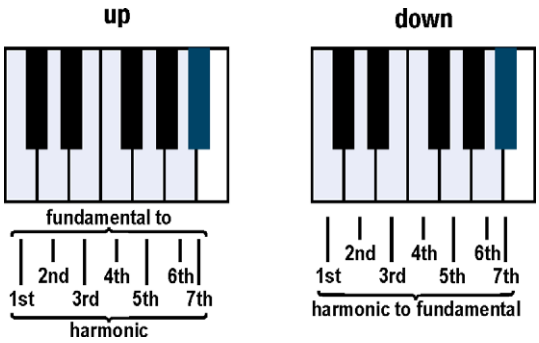
13 VC-3_harm-nat_sus_fA_auto **Range: C2–A#5** **Samples: 192** **RAM: 12 MB** **Level 2**

Natural harmonics: Sustained
Attack automation
Monophonic
2 velocity layers
Release samples

14 VC-3_harm-nat_gliss **Range: C2–A#5** **Samples: 56** **RAM: 3 MB** **Level 2**

Natural harmonics: Glissandos on every string, from fundamental to 1st, 2nd, etc. harmonic; reverse for downward glissandos
1 velocity layer
AB switch: up/down

Mapping:
C – key note to 1st (octave); D – to 2nd (+5th); E – to 3rd (+4th); F – to 4th (+maj 3rd); G – to 5th (+min. 3rd); A – to 6th (+dim. 3rd); A# – to 7th (+2nd)
C2–A#2: C string; C3–A#3: G string; C4–A#4: D string; C5–A#5: A string



10 PERF INTERVAL **Range: C2–E5**

Level 1: Legato, portamento

Level 2: Legato on the same string, zigane (gypsy), marcato, and spiccato

01 VC-3_perf-legato **Samples: 1260** **RAM: 78 MB** **Level 1**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VC-3_perf-legato_sul **Samples: 980** **RAM: 61 MB** **Level 2**

Legato on the same string
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

03 VC-3_perf-legato_zigane **Samples: 787** **RAM: 49 MB** **Level 2**

Legato, zigane (gypsy)
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

04 VC-3_perf-portamento **Samples: 980** **RAM: 61 MB** **Level 1**

Portamento
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

05 VC-3_perf-marcato **Samples: 1318** **RAM: 82 MB** **Level 2**

Marcato
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

06 VC-3_perf-spiccato **Samples: 561** **RAM: 35 MB** **Level 2**

Spiccato, mezzoforte
Monophonic
1 velocity layer

11 PERF TRILL **Range: C2–E5**

Level 2: Trills, legato

01 VC-3_perf-trill_leg **Samples: 2728** **RAM: 170 MB** **Level 1**

Trills, legato, minor 2nd to major 3rd
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 PERF REPETITION **Range: C2–A#5**

Level 1: Legato, staccato, spiccato
Level 2: Portato, harsh; dynamics for all articulations

01 VC-3_perf-rep_leg **Samples: 330** **RAM: 20 MB** **Level 1**

Legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 VC-3_perf-rep_por **Samples: 594** **RAM: 37 MB** **Level 2**

Portato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 VC-3_perf-rep_sta **Samples: 594** **RAM: 37 MB** **Level 1**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

04 VC-3_perf-rep_spi **Samples: 621** **RAM: 38 MB** **Level 1**

Spiccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

05 VC-3_perf-rep_harsh **Samples: 198** **RAM: 12 MB** **Level 2**

Harsh, fortissimo
1 velocity layer

21 VC-3_perf-rep_dyn5_leg **Samples: 220** **RAM: 13 MB** **Level 2**

Legato dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

22 VC-3_perf-rep_dyn9_por **Samples: 396** **RAM: 24 MB** **Level 2**

Portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

23 VC-3_perf-rep_dyn9_sta **Samples: 397** **RAM: 24 MB** **Level 2**

Staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

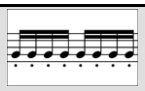
24 VC-3_perf-rep_dyn9_spi **Samples: 414** **RAM: 25 MB** **Level 2**

Spiccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

25 VC-3_perf-rep_dyn9_harsh **Samples: 396** **RAM: 24 MB** **Level 2**

Harsh dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

13 FAST REPETITION Range: C2–A#5



Level 2: 9 repetitions, speeds from 150 to 190 BPM, normal and dynamics

01 VC-3_fast-rep_150 (160/170/180/190) **Samples: 132** **RAM: 8 MB** **Level 2**

Staccato, 9 repetitions, 150, 160, 170, 180, 190 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

11 VC-3_fast-rep_150_dyn (160/170/180/190) **Samples: 44** **RAM: 2 MB** **Level 2**

Staccato dynamics, 9 repetitions, 150, 160, 170, 180, 190 BPM
1 velocity layer
AB switch: crescendo/diminuendo

14 GRACE NOTES Range: C2–D5

Level 2: Grace notes, zigane (gypsy), minor 2nd to major 3rd

01 VC-3_grace-zigane-1 **Samples: 80** **RAM: 5 MB** **Level 2**

Grace notes, zigane (gypsy), half tone
1 velocity layer
Release samples
AB switch: up/down

02 VC-3_grace-zigane-2 **Samples: 80** **RAM: 5 MB** **Level 2**

Grace notes, zigane (gypsy), whole tone
1 velocity layer
Release samples
AB switch: up/down

03 VC-3_grace-zigane-3 **Samples: 78** **RAM: 4 MB** **Level 2**

Grace notes, zigane (gypsy), minor 3rd
1 velocity layer
Release samples
AB switch: up/down

04 VC-3_grace-zigane-4 **Samples: 78** **RAM: 4 MB** **Level 2**

Grace notes, zigane (gypsy), major 3rd
1 velocity layer
Release samples
AB switch: up/down

98 RESOURCES

Level 1: Interval Performance, legato, medium speed

Level 2: Isolated dynamics repetitions, single layer long notes, interval performance speed variations.

01 Perf Rep dyn Range: C2–A#5

01 VC-3_rep_cre5_leg-1 (2/3/4/5) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato, crescendo, 1st to 5th note
1 velocity layer

01 VC-3_rep_dim5_leg-1 (2/3/4/5) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato, diminuendo, 1st to 5th note
1 velocity layer

02 VC-3_rep_cre9_por-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, crescendo, 1st to 9th note
1 velocity layer

02 VC-3_rep_dim9_por-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, diminuendo, 1st to 9th note
1 velocity layer

03 VC-3_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

03 VC-3_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

04 VC-3_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, crescendo, 1st to 9th note
1 velocity layer

04 VC-3_rep_dim9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, diminuendo, 1st to 9th note
1 velocity layer

05 VC-3_rep_cre9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, crescendo, 1st to 9th note
1 velocity layer

05 VC-3_rep_dim9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer Range: C2–A#5

01 VC-3_sus_Vib-p **Samples: 88** **RAM: 5 MB** **Level 2**

Single notes: Sustained, vibrato, p
1 velocity layer
Release samples

02 VC-3_sus_Vib-mf **Samples: 88** **RAM: 5 MB** **Level 2**

Single notes: Sustained, vibrato, mf
1 velocity layer
Release samples

03 VC-3_sus_Vib-f **Samples: 88** **RAM: 5 MB** **Level 2**

Single notes: Sustained, vibrato, f
1 velocity layer
Release samples

03 Perf Speed variation Range: C2–E5

01 VC-3_perf-legato_me **Samples: 1296** **RAM: 81 MB** **Level 1**

Interval performances: Legato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VC-3_perf-marcato_me **Samples: 1318** **RAM: 82 MB** **Level 2**

Interval performances: Marcato, medium speed
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

03 VC-3_stac-spic **Range: C2–A#5** **Samples: 88** **RAM: 5 MB** **Level 2**

Single notes: Staccato/spiccato, forte
1 velocity layer
4 Alternations

04 VC-3_perf-spiccato_me **Samples: 561** **RAM: 35 MB** **Level 2**

Interval performances: Spiccato, mezzoforte, medium speed
Monophonic
1 velocity layer

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 VC-3 Articulation Combi — Samples: 1883 RAM: 117 MB — Level 1

Single note articulations: Normal with vibrato, tremolo, trills, artificial harmonics, pizzicato

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	stac	sus	fp	trem	trill half	harm.stac	pizz.
V2	dét. short	marc	sfz	trem auto	trill whole	harm.sus	snap pizz.

L1 VC-3 Perf-Legato Speed + porta — Samples: 2558 RAM: 159 MB — Level 1

Interval performances: Legato slow and medium, portamento
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato slow	legato medium
V2	portamento	legato medium

L1 VC-3 Perf-Repetitions Combi — Samples: 1545 RAM: 96 MB — Level 1

Repetition performances: Legato, staccato, spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato
V2	staccato
V3	spiccato

Matrix - LEVEL 2 A - Advanced

01 VC-3 Perf-Universal — Samples: 3582 RAM: 223 MB — Level 2

Interval performances: Legato, marcato, staccato/spiccato; slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones Vertical: Modwheel, 3 zones

	H1	H2	H3
legato	slow	slow	medium
marcato	slow	slow	medium
spiccato	stac/spic	slow	medium

02 VC-3 Perf-Legato - All — Samples: 2999 RAM: 187 MB — Level 2

Interval performances: Legato, legato on the same string, zigane (gypsy)
Portamento
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 2 zones

	C1	C#1	D1
legato	normal	one string	zigane
portamento	porta.	porta.	porta.

03 VC-3 Perf-Trill Speed

Samples: 3303 RAM: 206 MB **Level 2**

Multi interval performances: Legato and trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

04 VC-3 Perf-Trill Speed - Combi

Samples: 4298 RAM: 268 MB **Level 2**

Multi interval performances: Legato, zigane, portamento trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 3 zones

	H1	H2
V1	legato	trills
V2	zigane	trills
V3	portamento	trills

05 VC-3 Short+Long notes - All

Samples: 1675 RAM: 104 MB **Level 2**

Single notes: Staccato, détaché short and long, sustained with and without vibrato, espressivo

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato short	staccato long	détaché short	détaché long	sustained vibrato
V2	%	%	%	%	no vibrato
V3	%	%	%	%	espressivo

06 VC-3 Perf-Harsh - Combi

Samples: 553 RAM: 34 MB **Level 2**

Sustained, vibrato variations, espressivo; harsh attack for all
Cell crossfade vibrato/no vibrato, normal/espressivo
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	sus-vib./no vib.	sus/espressivo	harsh

07 VC-3 Espressivo Combi

Samples: 2294 RAM: 143 MB **Level 2**

Legato, legato on the same string, sustained with vibrato
Espressivo
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
Cell 1	legato	string legato	sus vibrato
Cell 2	espressivo	espressivo	espressivo

Matrix - LEVEL 2 B - Standard

11 VC-3 Perf-Legato Speed — Samples: 1703 RAM: 106 MB Level 2

Interval performances: Legato slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
legato	slow	medium

12 VC-3 Perf-Marcato Speed — Samples: 1318 RAM: 82 MB Level 2

Interval performances: Marcato slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	slow	medium

13 VC-3 Perf-Spiccato Speed — Samples: 649 RAM: 40 MB Level 2

Interval performances: Staccato/spiccato, performance spiccato slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
spiccato	stac/spic	slow	medium

14 VC-3 Short notes - All — Samples: 1320 RAM: 82 MB Level 2

Single notes: Staccato short and long, détaché short and long

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
short notes	staccato short	staccato long	détaché short	détaché long

15 VC-3 Long notes - All — Samples: 355 RAM: 22 MB Level 2

Single notes: Sustained with vibrato, espressivo, no vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
sustained	vibrato	espressivo	no vibrato

16 VC-3 Dynamics - Small — Samples: 396 RAM: 24 MB Level 2

Medium dynamics: Crescendo/diminuendo 2, 3, 4 sec., fortepiano, sforzato, sforzatissimo, all with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
medium dyn. vib.	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

17 VC-3 Dynamics - All

Samples: 796 RAM: 49 MB Level 2

Dynamics: Crescendo/diminuendo 2, 3, 4 sec., medium and strong with vibrato, medium without vibrato, fortepiano, sforzato, sforzatissimo with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
medium dyn. vib.	2sec.	3sec.	4sec.
strong dyn. vib.	2sec.	3sec.	4sec.
med.dyn. no vib.	2sec.	3sec.	4sec.
special dyn.	fp	sfz	sffz

18 VC-3 Tremolo - All

Samples: 198 RAM: 12 MB Level 2

Tremolo: Sustained, sustained with attack automation

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
tremolo	sustained	auto attack

19 VC-3 Trills - version A

Samples: 251 RAM: 15 MB Level 2

Trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

20 VC-3 Trills - version B

Samples: 251 RAM: 15 MB Level 2

Baroque trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

21 VC-3 Trills - All

Samples: 419 RAM: 26 MB Level 2

Normal and Baroque trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
half tone	normal	dynamics	Baroque	Baroque, dyn.
whole tone	normal	dynamics	Baroque	Baroque dyn

22 VC-3 Pizzicato - All

Samples: 308 RAM: 19 MB Level 2

Pizzicato: Normal and snap

Matrix switches: Vertical: Modwheel, 2 zones

	pizzicato
V1	normal
V2	snap

23 VC-3 Harmonics artificial - All

Samples: 242 RAM: 15 MB Level 2

Artificial harmonics: Staccato, sustained, repetition performances

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
harmonics artificial	staccato	sustained	perf. repetition

24 VC-3 Harmonics natural - All

Samples: 184 RAM: 11 MB Level 2

Natural harmonics: Sustained, glissando

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
harmonics natural	sustained	glissando

Matrix - LEVEL 2 C - Repetitions

31 VC-3 Perf-Repetitions - Combi

Samples: 2337 RAM: 146 MB Level 2

Repetition performances: Legato, portato, staccato, spiccato, harsh

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
repetitions	legato	portato	staccato	spiccato	harsh

32 VC-3 Perf-Repetitions - Speed

Samples: 2139 RAM: 133 MB Level 2

Repetition performances: Legato, portato, staccato, spiccato
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
repetitions	legato	portato	staccato	spiccato

33 VC-3 Fast-Repetitions

Samples: 396 RAM: 24 MB Level 2

Fast repetitions: 150, 160, 170, 180, 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

Matrix - LEVEL 2 D - Phrases

41 VC-3 Grace notes - zigane

Samples: 184 RAM: 11 MB Level 2

Grace notes, zigane (gypsy): Minor 2nd to major 3rd
Mapped to target note
AB switch: up/down

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
interval	min.2nd	maj.2nd	min.3rd	maj.3rd

Matrix - LEVEL 2 E - Keyswitch Vel

61 VC-3 Legato - cre5 — Samples: 110 RAM: 6 MB Level 2

Legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

62 VC-3 Portato - cre9 — Samples: 198 RAM: 12 MB Level 2

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

63 VC-3 Staccato - cre9 — Samples: 198 RAM: 12 MB Level 2

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

64 VC-3 Spiccato - cre9 — Samples: 207 RAM: 12 MB Level 2

Spiccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

65 VC-3 Harsh - cre9 — Samples: 198 RAM: 12 MB Level 2

Harsh notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

66 VC-3 Combi - cre9 — Samples: 801 RAM: 50 MB Level 2

Portato, staccato, spiccato, harsh: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

71 VC-3 Legato - dim5 — Samples: 110 RAM: 6 MB Level 2

Legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 VC-3 Portato - dim9 — Samples: 198 RAM: 12 MB Level 2

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

73 VC-3 Staccato - dim9 — Samples: 198 RAM: 12 MB Level 2

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 VC-3 Spiccato - dim9 — Samples: 207 RAM: 12 MB Level 2

Spiccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

75 VC-3 Harsh - dim9 — Samples: 198 RAM: 12 MB Level 2

Harsh notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

76 VC-3 Combi - dim9 — Samples: 779 RAM: 48 MB Level 2

Portato, staccato, spiccato, harsh: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

Presets

VC-3 VSL Preset Level 1 **Samples: 5607 RAM: 350 MB** **Level 1**

L1 VC-3 Perf-Legato Speed + porta
L1 VC-3 Articulation Combi
L1 VC-3 Perf-Repetitions Combi
Keyswitches: C6–D6

VC-3 VSL Preset Level 2 **Samples: 9450 RAM: 590 MB** **Level 2**

01 VC-3 Perf-Universal
02 VC-3 Perf-Legato - All
L1 VC-3 Articulation Combi
31 VC-3 Perf-Repetitions - Combi
66 VC-3 Combi - cre9
06 VC-3 Perf-Harsh - Combi
07 VC-3 Espressivo Combi
Keyswitches: C6–F#6

14 Bassi chamber

Description

The double bass is the contrabass instrument of the string section and, with its sloping shoulders and its string tuning to fourths, is not strictly speaking a member of the violin family (violin, viola, cello).

The modern symphony orchestra usually uses 6 (in especially large orchestras 8) double basses.

Range and notation

The double bass has a range from B0–G4 (harmonic G6).

It is the only transposing stringed instrument. Because of its deep pitch, its notation is written an octave higher than it sounds, in bass clef.

Sound characteristics

Heavy, weighty, dark, weightless, wafting, somber, earthy, resonant, rasping, broad, hollow, dull, mighty, menacing, violent, mellow, sustaining, aspirate.

Like the tuba, the double bass lacks the high partials due to its great size, although the first six partials are especially prominent which makes the timbre dark, broad and smooth.

Combination with other instruments

The double bass, as the fundamental bass instrument, is capable of particularly good tonal combinations with all the other instruments, especially with its smaller partner the cello and all harmony instruments as well. Its powerful sound must provide a solid foundation which can support the sound structure and with which the other instruments blend. On the other hand it is also capable of playing melody lines, solo lines which stand out.

The double bass blends well with the low woodwinds (bass clarinet and contrabassoon) and brass instruments (horn, trombone, tuba).

Patches

01 SHORT + LONG NOTES Range: B0–G#4

Level 1: Staccato, short and long détaché, sustained with and without vibrato

01 DB-2_staccato **Samples: 344** **RAM: 21 MB** **Level 1**

Staccato
4 velocity layers: 0–55 pp; 56–88 mp; 89–108 mf; 109–127 f
4 Alternations

02 DB-2_detache_short **Samples: 344** **RAM: 21 MB** **Level 1**

Short détaché
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
4 Alternations

03 DB-2_detache_long **Samples: 344** **RAM: 21 MB** **Level 1**

Long détaché
4 velocity layers: 0–55 pp; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

10 DB-2_sus_Vib **Samples: 258** **RAM: 16 MB** **Level 1**

Sustained, vibrato
3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff
Release samples

11 DB-2_sus_Vib_fA **Samples: 258** **RAM: 16 MB** **Level 2**

Sustained, vibrato
Optimized attack for legato
3 velocity layers
Release samples

12 DB-2_sus_Vib_fA_auto **Samples: 387** **RAM: 24 MB** **Level 2**

Sustained, vibrato
Attack automation
Monophonic
3 velocity layers
Release samples

13 DB-2_sus_noVib **Samples: 258** **RAM: 16 MB** **Level 1**

Sustained, no vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

14 DB-2_sus_noVib_fA **Samples: 258** **RAM: 16 MB** **Level 2**

Sustained, no vibrato
Optimized attack for legato
3 velocity layers
Release samples

15 DB-2_sus_noVib_fA_auto **Samples: 387** **RAM: 24 MB** **Level 2**

Sustained, no vibrato
Attack automation
Monophonic
3 velocity layers
Release samples

02 DYNAMICS Range: B0–G#4

Level 1: Fortepiano and sforzato

Level 2: Medium and strong crescendo and diminuendo with vibrato (2, 3, and 4 sec.), medium crescendo and diminuendo without vibrato (2, 3, and 4 sec.), sforzatissimo

01 DB-2_dyn-me_Vib_2s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 2 sec., vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

02 DB-2_dyn-me_Vib_3s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 3 sec., vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

03 DB-2_dyn-me_Vib_4s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 4 sec., vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

04 DB-2_dyn-str_Vib_2s **Samples: 44** **RAM: 2 MB** **Level 2**

Strong dynamics, 2 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

05 DB-2_dyn-str_Vib_3s **Samples: 44** **RAM: 2 MB** **Level 2**

Strong dynamics, 3 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

06 DB-2_dyn-str_Vib_4s **Samples: 44** **RAM: 2 MB** **Level 2**

Strong dynamics, 4 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

07 DB-2_dyn-me_noVib_2s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 2 sec., no vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

08 DB-2_dyn-me_noVib_3s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 3 sec., no vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

09 DB-2_dyn-me_noVib_4s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium dynamics, 4 sec., no vibrato
2 velocity layers: 0–88 p; 89–127 f
AB switch: crescendo/diminuendo

10 DB-2_fp_Vib **Samples: 43** **RAM: 2 MB** **Level 1**

Fortepiano, vibrato
1 velocity layer
2 Alternations

11 DB-2_sfz_Vib **Samples: 43** **RAM: 2 MB** **Level 1**

Sforzato, vibrato
1 velocity layer
2 Alternations

12 DB-2_sffz_Vib **Samples: 43** **RAM: 2 MB** **Level 2**

Sforzatissimo, vibrato
1 velocity layer
2 Alternations

03 TREMOLO + TRILLS Range: B0–G#4

Level 1: Tremolo sustained, trills half and whole tone

Level 2: Baroque trills half and whole tone, dynamics for all trills

01 DB-2_trem_sus **Samples: 132** **RAM: 8 MB** **Level 1**

Tremolo sustained
3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff
Release samples

02 DB-2_trem_sus_fA **Samples: 132** **RAM: 8 MB** **Level 2**

Tremolo sustained
Optimized attack for legato
3 velocity layers
Release samples

03 DB-2_trem_sus_fA_auto **Samples: 198** **RAM: 12 MB** **Level 1**

Tremolo sustained
Attack automation
Monophonic
3 velocity layers
Release samples

10 DB-2_trill-A_1 **Range: B0–E4** **Samples: 76** **RAM: 4 MB** **Level 1**

Trills: Normal, half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 DB-2_trill-A_2 **Range: B0–E4** **Samples: 76** **RAM: 4 MB** **Level 1**

Trills: Normal, whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 DB-2_trill-A_1_dyn **Range: B0–E4** **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Normal, half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

13 DB-2_trill-A_2_dyn **Range: B0–E4** **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Normal, whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

14 DB-2_trill-B_1 **Range: B0–E4** **Samples: 76** **RAM: 4 MB** **Level 2**

Trills: Baroque, half tone
AB switch crescendo/diminuendo
2 velocity layers: 0–88 p; 89–127 f
Release samples

15 DB-2_trill-B_2 **Range: B0–E4** **Samples: 76** **RAM: 4 MB** **Level 2**

Trills: Baroque, whole tone
AB switch crescendo/diminuendo
2 velocity layers: 0–88 p; 89–127 f
Release samples

16 DB-2_trill-B_1_dyn **Range: B0–E4** **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Baroque, half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

17 DB-2_trill-B_2_dyn **Range: B0–E4** **Samples: 37** **RAM: 2 MB** **Level 2**

Trills: Baroque, whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

04 PIZZ — Range: B0–G#4

Level 1: Normal and snap (Bartók) pizzicato

01 DB-2_pizz — Samples: 258 — RAM: 16 MB — Level 1

Pizzicato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 DB-2_pizz_snap — Samples: 44 — RAM: 2 MB — Level 1

Snap pizzicato
1 velocity layer
4 Alternations

05 HARMONICS — Range: D3–G5

Level 1: Artificial harmonics staccato and sustained

Level 2: Artificial harmonics repetition performances; natural harmonics sustained and glissando
Harmonics patches are mapped an octave lower than they sound.

01 DB-2_harm-art_stac — Samples: 26 — RAM: 1 MB — Level 1

Artificial harmonics: Staccato
1 velocity layer
2 Alternations

02 DB-2_harm-art_sus — Samples: 52 — RAM: 3 MB — Level 1

Artificial harmonics: Sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 DB-2_harm-art_sus_fA — Samples: 52 — RAM: 3 MB — Level 2

Artificial harmonics: Sustained
Optimized attack for legato
2 velocity layers
Release samples

04 DB-2_harm-art_sus_fA_auto — Samples: 78 — RAM: 4 MB — Level 2

Artificial harmonics: Sustained
Attack automation
Monophonic
2 velocity layers
Release samples

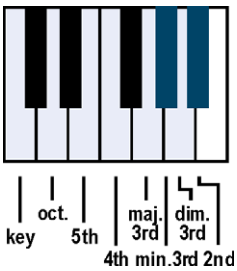
05 DB-2_harm-art_perf-rep — Samples: 65 — RAM: 4 MB — Level 2

Artificial harmonics: Repetition performances
1 velocity layer

11 DB-2_harm-nat_sus **Range: C1–A#5** **Samples: 160** **RAM: 10 MB** **Level 2**

Natural harmonics: Sustained notes on every string, from fundamental to 7th harmonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

Mapping:
C – key note; D – 1st (octave); E – 2nd (5th); F – 3rd (4th); G – 4th (maj. 3rd); G# – 5th (min. 3rd); A – 6th (dim. 3rd); A# – 7th (2nd)
C1–A#1: B string; C2–A#2: E string; C3–A#3: A string; C4–A#4: D string; C5–A#5: G string



12 DB-2_harm-nat_sus_fA **Range: C1–A#5** **Samples: 160** **RAM: 10 MB** **Level 2**

Natural harmonics: Sustained
Optimized attack for legato
2 velocity layers
Release samples

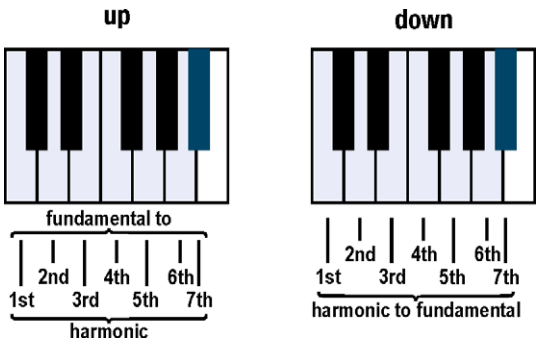
13 DB-2_harm-nat_sus_fA_auto **Range: C1–A#5** **Samples: 240** **RAM: 15 MB** **Level 2**

Natural harmonics: Sustained
Attack automation
Monophonic
2 velocity layers
Release samples

14 DB-2_harm-nat_gliss **Range: C1–A#5** **Samples: 70** **RAM: 4 MB** **Level 2**

Natural harmonics: Glissandos on every string, from fundamental to 1st, 2nd, etc. harmonic; reverse for downward glissandos
1 velocity layer
AB switch: up/down

Mapping:
C – key note to 1st (octave); D – to 2nd (+5th); E – to 3rd (+4th); F – to 4th (+maj 3rd); G – to 5th (+min. 3rd); A – to 6th (+dim. 3rd); A# – to 7th (+2nd)
C1–A#1: B string; C2–A#2: E string; C3–A#3: A string; C4–A#4: D string; C5–A#5: G string



10 PERF INTERVAL — Range: B0–A#3

Level 1: Legato, portamento

Level 2: Legato on the same string, marcato, and spiccato

01 DB-2_perf-legato — Samples: 1145 RAM: 71 MB Level 1

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 DB-2_perf-legato_sul — Samples: 921 RAM: 57 MB Level 2

Legato on the same string
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

03 DB-2_perf-portamento — Samples: 921 RAM: 57 MB Level 1

Portamento
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

04 DB-2_perf-marcato — Samples: 1226 RAM: 76 MB Level 2

Marcato
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

05 DB-2_perf-spiccato — Samples: 519 RAM: 32 MB Level 2

Spiccato, mezzoforte
Monophonic
1 velocity layer

11 PERF TRILL — Range: B0–D#4

Level 2: Trills, legato

01 DB-2_perf-trill — Samples: 1825 RAM: 114 MB Level 1

Trills, legato, minor to major 2nd
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 PERF REPETITION Range: B0–G#4

Level 1: Legato, staccato, spiccato
Level 2: Portato, harsh; dynamics for all articulations

01 DB-2_perf-rep_leg **Samples: 330** **RAM: 20 MB** **Level 1**
Legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 DB-2_perf-rep_por **Samples: 594** **RAM: 37 MB** **Level 2**
Portato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 DB-2_perf-rep_sta **Samples: 594** **RAM: 37 MB** **Level 1**
Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

04 DB-2_perf-rep_spi **Samples: 594** **RAM: 37 MB** **Level 1**
Spiccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

05 DB-2_perf-rep_harsh **Samples: 198** **RAM: 12 MB** **Level 2**
Harsh
1 velocity layer

21 DB-2_perf-rep_dyn5_leg **Samples: 220** **RAM: 13 MB** **Level 2**
Legato dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

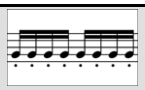
22 DB-2_perf-rep_dyn9_por **Samples: 396** **RAM: 24 MB** **Level 2**
Portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

23 DB-2_perf-rep_dyn9_sta **Samples: 396** **RAM: 24 MB** **Level 2**
Staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

24 DB-2_perf-rep_dyn9_spi **Samples: 396** **RAM: 24 MB** **Level 2**
Spiccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

25 DB-2_perf-rep_dyn9_harsh **Samples: 396** **RAM: 24 MB** **Level 2**
Harsh dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

13 FAST REPETITION Range: B0–F#4



Level 2: 9 repetitions, speeds from 150 to 190 BPM, normal and dynamics

01 DB-2_fast-rep_150 (160/170/180/190) **Samples: 132** **RAM: 8 MB** **Level 2**

Fast repetitions: Staccato, 9 repetitions, 150, 160, 170, 180, 190 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

11 DB-2_fast-rep_150_dyn (160/170/180/190) **Samples: 44** **RAM: 2 MB** **Level 2**

Fast repetitions: Staccato dynamics, 9 repetitions, 150, 160, 170, 180, 190 BPM
1 velocity layer
AB switch: crescendo/diminuendo

98 RESOURCES

Level 1: Interval Performance, legato, medium speed

Level 2: Isolated dynamics repetitions, single layer long notes, interval performance speed variations.

01 Perf Rep dyn Range: B0–G4

01 DB-2_rep_cre5_leg-1 (2/3/4/5) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato, crescendo, 1st to 5th note
1 velocity layer

01 DB-2_rep_dim5_leg-1 (2/3/4/5) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato, diminuendo, 1st to 5th note
1 velocity layer

02 DB-2_rep_cre9_por-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, crescendo, 1st to 9th note
1 velocity layer

02 DB-2_rep_dim9_por-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, diminuendo, 1st to 9th note
1 velocity layer

03 DB-2_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

03 DB-2_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

04 DB-2_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, crescendo, 1st to 9th note
1 velocity layer

04 DB-2_rep_dim9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, diminuendo, 1st to 9th note
1 velocity layer

05 DB-2_rep_cre9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, crescendo, 1st to 9th note
1 velocity layer

05 DB-2_rep_dim9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 22** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer

Range: B0–G#4

01 DB-2_sus_Vib-p **Samples: 86** **RAM: 5 MB** **Level 2**

Single notes: Sustained, vibrato, p
1 velocity layer
Release samples

02 DB-2_sus_Vib-mf **Samples: 86** **RAM: 5 MB** **Level 2**

Single notes: Sustained, vibrato, mf
1 velocity layer
Release samples

03 DB-2_sus_Vib-f **Samples: 86** **RAM: 5 MB** **Level 2**

Single notes: Sustained, vibrato, f
1 velocity layer
Release samples

03 Perf Speed variation

Range: B0–D#4

01 DB-2_perf-legato_me **Samples: 1203** **RAM: 75 MB** **Level 1**

Interval performances: Legato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 DB-2_perf-marcato_me **Range: B0–A#3** **Samples: 1226** **RAM: 76 MB** **Level 2**

Interval performances: Marcato, medium speed
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

03 DB-2_start-spic **Range: B0–A#3** **Samples: 171** **RAM: 10 MB** **Level 2**

Repetition performances: Spiccato, forte
Monophonic
1 velocity layer

04 DB-2_perf-spiccato_me **Range: B0–A#3** **Samples: 519** **RAM: 32 MB** **Level 2**

Interval performances: Spiccato, mezzoforte, medium speed
Monophonic
1 velocity layer

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 DB-2 Articulation Combi — Samples: 1890 RAM: 118 MB — Level 1

Single note articulations: Normal with vibrato, tremolo, trills, artificial harmonics, pizzicato

Matrix switches: Horizontal: Keyswitches, C6–F#6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6	F6	F#6
V1	stac	sus	fp	trem	trill half	harm.stac	pizz.
V2	dét. short	marc	sfz	trem auto	trill whole	harm.sus	snap pizz.

L1 DB-2 Perf-Legato Speed + porta — Samples: 2174 RAM: 135 MB — Level 1

Interval performances: Legato slow and medium, portamento
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato slow	legato medium
V2	portamento	legato medium

L1 DB-2 Perf-Repetitions Combi — Samples: 1518 RAM: 94 MB — Level 1

Repetition performances: Legato, staccato, spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato
V2	staccato
V3	spiccato

Matrix - LEVEL 2 A - Advanced

01 DB-2 Perf-Universal — Samples: 3032 RAM: 189 MB — Level 2

Interval performances: Legato, marcato, staccato/spiccato; slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones Vertical: Modwheel, 3 zones

	H1	H2	H3
legato	slow	slow	medium
marcato	slow	slow	medium
spiccato	stac/spic	slow	medium

02 DB-2 Perf-Legato - All — Samples: 2642 RAM: 165 MB — Level 2

Interval performances: Legato, legato on the same string, portamento
Monophonic

Matrix switches: Horizontal: Keyswitches, C6–C#6 Vertical: Modwheel, 2 zones

	C6	C#6
V1	legato	string legato
V2	portamento	portamento

03 DB-2 Perf-Trill Speed — Samples: 2147 RAM: 134 MB Level 2

Multi interval performances: Legato and trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

04 DB-2 Perf-Trill Speed - Combi — Samples: 2948 RAM: 184 MB Level 2

Multi interval performances: Legato, portamento/trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato	trills
V2	portamento	trills

05 DB-2 Short+Long notes - All — Samples: 1419 RAM: 88 MB Level 2

Single notes: Staccato, short and long détaché, sustained with and without vibrato

Matrix switches: Horizontal: Keyswitches, C6–D#6 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	staccato	détaché short	détaché long	sustained vibrato
V2	%	%	%	no vibrato

06 DB-2 Perf-Harsh - Combi — Samples: 585 RAM: 36 MB Level 2

Sustained, vibrato variations; harsh attack
Cell crossfade vibrato/no vibrato
Monophonic

Matrix switches: Horizontal: Keyswitches, C6–C#6

	C6	C#6
V1	sus-vib./no vib.	harsh

Matrix - LEVEL 2 B - Standard

11 DB-2 Perf-Legato Speed — Samples: 1373 RAM: 85 MB Level 2

Interval performances: Legato slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
legato	slow	medium

12 DB-2 Perf-Marcato Speed — Samples: 1226 RAM: 76 MB Level 2

Interval performances: Marcato slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	slow	medium

13 DB-2 Perf-Spiccato Speed — Samples: 519 RAM: 32 MB Level 2

Interval performances: Staccato/spiccato, performance spiccato slow and medium
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
spiccato	stac/spic	slow	medium

14 DB-2 Short notes - All — Samples: 1032 RAM: 64 MB Level 2

Single notes: Staccato, détaché short and long

Matrix switches: Horizontal: Keyswitches, C6–D6

	C6	C#6	D6
V1	staccato short	détaché short	détaché long

15 DB-2 Long notes - All — Samples: 387 RAM: 24 MB Level 2

Single notes: Sustained with and without vibrato

Matrix switches: Horizontal: Keyswitches, C6–C#6

	C6	C#6
sustained	vibrato	no vibrato

16 DB-2 Dynamics - Small — Samples: 393 RAM: 24 MB Level 2

Medium dynamics: Crescendo/diminuendo 2, 3, 4 sec., fortepiano, sforzato, sforzatissimo, all with vibrato

Matrix switches: Horizontal: Keyswitches, C6–D6 Vertical: Modwheel, 4 zones

	C6	C#6	D6
medium dyn. vib.	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

17 DB-2 Dynamics - All — Samples: 789 RAM: 49 MB Level 2

Dynamics: Crescendo/diminuendo 2, 3, 4 sec., medium and strong with vibrato, medium without vibrato, fortepiano, sforzato, sforzatissimo with vibrato

Matrix switches: Horizontal: Keyswitches, C6–D6 Vertical: Modwheel, 4 zones

	C6	C#6	D6
medium dyn. vib.	2sec.	3sec.	4sec.
strong dyn. vib.	2sec.	3sec.	4sec.
med.dyn. no vib.	2sec.	3sec.	4sec.
special dyn.	fp	sfz	sffz

18 DB-2 Tremolo - All — Samples: 198 RAM: 12 MB Level 2

Tremolo: Sustained, sustained with attack automation

Matrix switches: Horizontal: Keyswitches, C6–C#6

	C6	C#6
tremolo	sustained	auto attack

19 DB-2 Trills - version A

Samples: 227 **RAM: 14 MB** **Level 2**

Trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C6–C#6 Vertical: Modwheel, 2 zones

	C6	C#6
half tone	normal	dynamics
whole tone	normal	dynamics

20 DB-2 Trills - version B

Samples: 226 **RAM: 14 MB** **Level 2**

Baroque trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C6–C#6 Vertical: Modwheel, 2 zones

	C6	C#6
half tone	normal	dynamics
whole tone	normal	dynamics

21 DB-2 Trills - All

Samples: 378 **RAM: 23 MB** **Level 2**

Normal and Baroque trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C6–D#6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6
half tone	normal	dynamics	Baroque	Baroque, dyn.
whole tone	normal	dynamics	Baroque	Baroque dyn

22 DB-2 Pizzicato - All

Samples: 302 **RAM: 18 MB** **Level 2**

Pizzicato: Normal and snap

Matrix switches: Vertical: Modwheel, 2 zones

	pizzicato
V1	normal
V2	snap

23 DB-2 Harmonics artificial - All

Samples: 143 **RAM: 8 MB** **Level 2**

Artificial harmonics: Staccato, sustained, repetition performances

Matrix switches: Horizontal: Keyswitches, C6–D6

	C6	C#6	D6
harmonics artificial	staccato	sustained	perf. repetition

24 DB-2 Harmonics natural - All

Samples: 230 **RAM: 14 MB** **Level 2**

Natural harmonics: Sustained, glissando

Matrix switches: Horizontal: Keyswitches, C6–C#6

	C6	C#6
harmonics natural	sustained	glissando

Matrix - LEVEL 2 C - Repetitions

31 DB-2 Perf-Repetitions - Combi

Samples: 2310 RAM: 144 MB Level 2

Repetition performances: Legato, portato, staccato, spiccato, harsh

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
repetitions	legato	portato	staccato	spiccato	harsh

32 DB-2 Perf-Repetitions - Speed

Samples: 2112 RAM: 132 MB Level 2

Repetition performances: Legato, portato, staccato, spiccato
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
repetitions	legato	portato	staccato	spiccato

33 DB-2 Fast-Repetitions

Samples: 396 RAM: 24 MB Level 2

Fast repetitions: 150, 160, 170, 180, 190 BPM

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
speed/BPM	150	160	170	180	190

Matrix - LEVEL 2 E - Keyswitch Vel

61 DB-2 Legato - cre5

Samples: 110 RAM: 6 MB Level 2

Legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

62 DB-2 Portato - cre9

Samples: 198 RAM: 12 MB Level 2

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

63 DB-2 Staccato - cre9

Samples: 198 RAM: 12 MB Level 2

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

64 DB-2 Spiccato - cre9

Samples: 198 RAM: 12 MB Level 2

Spiccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

65 DB-2 Harsh - cre9

Samples: 198 RAM: 12 MB Level 2

Harsh notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

66 DB-2 Combi - cre9

Samples: 792 RAM: 49 MB Level 2

Portato, staccato, spiccato, harsh: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6 Vertical: Modwheel, 4 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

71 DB-2 Legato - dim5

Samples: 110 RAM: 6 MB Level 2

Legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

72 DB-2 Portato - dim9

Samples: 198 RAM: 12 MB Level 2

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

73 DB-2 Staccato - dim9

Samples: 198 RAM: 12 MB Level 2

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 DB-2 Spiccato - dim9

Samples: 198 RAM: 12 MB Level 2

Spiccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

75 DB-2 Harsh - dim9

Samples: 198 RAM: 12 MB Level 2

Harsh notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

76 DB-2 Combi - dim9

Samples: 792 RAM: 49 MB Level 2

Portato, staccato, spiccato, harsh: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6 Vertical: Modwheel, 4 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

Presets

DB-2 VSL Preset Level 1 **Samples: 5248 RAM: 328 MB** **Level 1**

L1 DB-2 Perf-Legato Speed + porta
L1 DB-2 Articulation Combi
L1 DB-2 Perf-Repetitions Combi
Keyswitches: C7–D7

DB-2 VSL Preset Level 2 **Samples: 8888 RAM: 555 MB** **Level 2**

01 DB-2 Perf-Universal
02 DB-2 Perf-Legato - All
L1 DB-2 Articulation Combi
31 DB-2 Perf-Repetitions - Combi
66 DB-2 Combi - cre9
06 DB-2 Perf-Harsh - Combi
Keyswitches: C7–F7

Chamber Strings II

Articulations

Instrument/group	Level 1 (Standard) content	Level 2 (Extended) content
11 Violins chamber		
31 Sordino SHORT + LONG NOTES	Staccato, short détaché, sustained with vibrato (normal and with attack automation)	Détaché, sustained without vibrato (normal and with attack automation)
32 Sordino DYNAMICS	Fortepiano, sforzato	Medium crescendo and diminuendo, 1.5, 2, 3, and 4 sec.^aCrescendo-diminuendo, 2, 3, 4, 6, and 8 sec.^aSforzatissimo
33 Sordino TREMOLO	Tremolo sustained, normal and with attack automation	Tremolo sustained, optimized for legato
34 Sordino PIZZ	Pizzicato	
40 Sordino PERF INTERVAL	Legato with vibrato^aPortamento	Legato without vibrato^aSpiccato
41 Sordino PERF TRILL		Performance Trills
42 Sordino PERF REPETITION	Repetition performances, legato and portato	Repetition performances, spiccato
43 Sordino FAST REPETITION		Fast repetitions, 16ths at 150 to 190 BPM
12 Violas chamber		
31 Sordino SHORT + LONG NOTES	Staccato, short détaché, sustained with vibrato (normal and with attack automation)	Détaché, sustained without vibrato (normal and with attack automation)
32 Sordino DYNAMICS	Fortepiano, sforzato	Medium crescendo and diminuendo, 1.5, 2, 3, and 4 sec.^aCrescendo-diminuendo, 2, 3, 4, 6, and 8 sec.^aSforzatissimo
33 Sordino TREMOLO	Tremolo sustained, normal and with attack automation	Tremolo sustained, optimized for legato
34 Sordino PIZZ	Pizzicato	
40 Sordino PERF INTERVAL	Legato with vibrato^aPortamento	Legato without vibrato^aSpiccato
41 Sordino PERF TRILL		Performance Trills
42 Sordino PERF REPETITION	Repetition performances, legato and portato	Repetition performances, spiccato
43 Sordino FAST REPETITION		Fast repetitions, 16ths at 150 to 190 BPM
13 Celli chamber		
31 Sordino SHORT + LONG NOTES	Staccato, short détaché, sustained with vibrato (normal and with attack automation)	Détaché, sustained without vibrato (normal and with attack automation)
32 Sordino DYNAMICS	Fortepiano, sforzato	Medium crescendo and diminuendo, 1.5, 2, 3, and 4 sec.^aCrescendo-diminuendo, 2, 3, 4, 6, and 8 sec.^aSforzatissimo
33 Sordino TREMOLO	Tremolo sustained, normal and with attack automation	Tremolo sustained, optimized for legato
34 Sordino PIZZ	Pizzicato	
40 Sordino PERF INTERVAL	Legato with vibrato^aPortamento	Legato without vibrato^aSpiccato
41 Sordino PERF TRILL		Performance Trills
42 Sordino PERF REPETITION	Repetition performances, legato and portato	Repetition performances, spiccato
43 Sordino FAST REPETITION		Fast repetitions, 16ths at 150 to 190 BPM

Instrument/group	Level 1 (Standard) content	Level 2 (Extended) content
14 Bassi chamber		
31 Sordino SHORT + LONG NOTES	Staccato, short détaché, sustained with vibrato (normal and with attack automation)	Détaché, sustained without vibrato (normal and with attack automation)
32 Sordino DYNAMICS	Fortepiano, sforzato	Medium crescendo and diminuendo, 1.5, 2, 3, and 4 sec.^aCrescendo-diminuendo, 2, 3, 4, 6, and 8 sec.^aSforzatissimo
33 Sordino TREMOLO	Tremolo sustained, normal and with attack automation	Tremolo sustained, optimized for legato
34 Sordino PIZZ	Pizzicato	
40 Sordino PERF INTERVAL	Legato with vibrato^aPortamento	Legato without vibrato^aSpiccato
41 Sordino PERF TRILL		Performance Trills
42 Sordino PERF REPETITION	Repetition performances, legato and portato	Repetition performances, spiccato
43 Sordino FAST REPETITION		Fast repetitions, 16ths at 150 to 190 BPM

10 Strings chamber

Patches

11 Sordino BASIC ARTICULATIONS Range: B0–C7

Level 1: Combined strings
Staccato, short détaché, sustained with vibrato, fortepiano, sforzato, tremolo, pizzicato

01 Chamber_mu_staccato **Samples: 564** **RAM: 35 MB** **Level 1**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 Chamber_mu_detache_short **Samples: 564** **RAM: 35 MB** **Level 1**

Short détaché
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

03 Chamber_mu_sus_Vib **Samples: 441** **RAM: 27 MB** **Level 1**

Sustained, with vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

04 Chamber_mu_fp **Samples: 194** **RAM: 12 MB** **Level 1**

Fortepiano
1 velocity layer
Release samples
2 Alternations

05 Chamber_mu_sfz **Samples: 194** **RAM: 12 MB** **Level 1**

Sforzato
1 velocity layer
Release samples
2 Alternations

06 Chamber_mu_tremolo **Samples: 423** **RAM: 26 MB** **Level 1**

Tremolo, sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

07 Chamber_mu_pizz **Samples: 364** **RAM: 22 MB** **Level 1**

Pizzicato
2 velocity layers: 0–88 mf; 89–127 f
4 Alternations

Matrices

Chamber Strings - Combi mute **Samples: 2548 RAM: 159 MB** **Level 1**

Staccato, short détaché, sustained with vibrato, fortepiano, sforzato, tremolo, pizzicato

Matrix switches: Horizontal: Keyswitches, E7–A#7

	E7	F7	F#7	G7	G#7	A7	A#7
V1	staccato	détaché short	sustained vib.	fortepiano	sforzato	tremolo	pizzicato

Presets

Chamber Strings VSL Preset mute **Samples: 2548 RAM: 159 MB** **Level 1**

Matrix: Chamber Strings - Combi mute

11 Violins chamber

Patches

31 Sordino SHORT + LONG NOTES Range: G3–C7

Level 1: Staccato, short détaché, sustained with vibrato (normal and with attack automation)

Level 2: Détaché, sustained without vibrato (normal and with attack automation)

01 VI-6_mu_staccato **Samples: 252** **RAM: 15 MB** **Level 1**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 VI-6_mu_detache_short **Samples: 252** **RAM: 15 MB** **Level 1**

Short détaché
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

03 VI-6_mu_detache_long **Samples: 252** **RAM: 15 MB** **Level 2**

Long détaché
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

10 VI-6_mu_sus_Vib **Samples: 198** **RAM: 12 MB** **Level 1**

Sustained, with vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

11 VI-6_mu_sus_Vib_fA **Samples: 132** **RAM: 8 MB** **Level 2**

Sustained, with vibrato
Optimized attack for legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

12 VI-6_mu_sus_Vib_fA_auto **Samples: 198** **RAM: 12 MB** **Level 1**

Sustained, with vibrato
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

13 VI-6_mu_sus_noVib **Samples: 198** **RAM: 12 MB** **Level 2**

Sustained, without vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

14 VI-6_mu_sus_noVib_fA **Samples: 132** **RAM: 8 MB** **Level 2**

Sustained, without vibrato
Optimized attack for legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

15 VI-6_mu_sus_noVib_fA_auto **Samples: 198** **RAM: 12 MB** **Level 2**

Sustained, without vibrato
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

32 Sordino DYNAMICS Range: G3–C7

Level 1: Fortepiano, sforzato

Level 2: Medium crescendo and diminuendo, 1.5, 2, 3, and 4 sec.
Crescendo-diminuendo, 2, 3, 4, 6, and 8 sec.
Sforzatissimo

01 VI-6_mu_dyn-me_Vib_1'5s **Samples: 84** **RAM: 5 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 1.5 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

02 VI-6_mu_dyn-me_Vib_2s **Samples: 84** **RAM: 5 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

03 VI-6_mu_dyn-me_Vib_3s **Samples: 84** **RAM: 5 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 3 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

04 VI-6_mu_dyn-me_Vib_4s **Samples: 84** **RAM: 5 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 4 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

11 VI-6_mu_pfp_Vib_2s **Samples: 42** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 2 sec.
2 velocity layers: 0–88 p; 89–127 f

12 VI-6_mu_pfp_Vib_3s **Samples: 42** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 3 sec.
2 velocity layers: 0–88 p; 89–127 f

13 VI-6_mu_pfp_Vib_4s **Samples: 42** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 4 sec.
2 velocity layers: 0–88 p; 89–127 f

14 VI-6_mu_pfp_Vib_6s **Samples: 42** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 6 sec.

15 VI-6_mu_pfp_Vib_8s **Samples: 21** **RAM: 1 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 8 sec.
1 velocity layer

21 VI-6_mu_fp_Vib **Samples: 86** **RAM: 5 MB** **Level 1**

Fortepiano, with vibrato
1 velocity layer
Release samples
2 Alternations

22 VI-6_mu_sfz_Vib **Samples: 88** **RAM: 5 MB** **Level 1**

Sforzato, with vibrato
1 velocity layer
Release samples
2 Alternations

23 VI-6_mu_sffz_Vib **Samples: 88** **RAM: 5 MB** **Level 2**

Sforzatissimo, with vibrato
1 velocity layer
Release samples
2 Alternations

33 Sordino TREMOLO Range: G3–C7

Level 1: Tremolo sustained, normal and with attack automation

Level 2: Tremolo sustained, optimized for legato

01 VI-6_mu_trem_sus **Samples: 189** **RAM: 11 MB** **Level 1**

Tremolo, sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

02 VI-6_mu_trem_sus_fA **Samples: 126** **RAM: 7 MB** **Level 2**

Tremolo, sustained
Optimized attack for legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

03 VI-6_mu_trem_sus_fA_auto **Samples: 189** **RAM: 11 MB** **Level 1**

Tremolo, sustained
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

34 Sordino PIZZ **Range: G3–C7**

Level 1: Pizzicato

01 VI-6_mu_pizz **Samples: 176** **RAM: 11 MB** **Level 1**

Pizzicato
2 velocity layers: 0–88 mf; 89–127 f
4 Alternations

40 Sordino PERF INTERVAL **Range: G3–C7**

Level 1: Legato with vibrato
Portamento

Level 2: Legato without vibrato
Spiccato

01 VI-6_mu_perf-legato_Vib **Samples: 1038** **RAM: 64 MB** **Level 1**

Legato, with vibrato
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

02 VI-6_mu_perf-legato_noVib **Samples: 1038** **RAM: 64 MB** **Level 2**

Legato, without vibrato
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

03 VI-6_mu_perf-portamento **Samples: 412** **RAM: 25 MB** **Level 1**

Portamento
Monophonic
2 velocity layers: 0–55 p; 56–127 mf
Release samples

04 VI-6_mu_perf-spiccato **Samples: 1407** **RAM: 87 MB** **Level 2**

Spiccato
Monophonic
2 velocity layers: 0–88 p; 89–127 f

41 Sordino PERF TRILL — Range: G3–C7

Level 2: Performance Trills

01 VI-6_mu_perf-trill — Samples: 2958 RAM: 184 MB Level 2

Performance trills, minor 2nd to 4th
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

42 Sordino PERF REPETITION — Range: G3–C7

Level 1: Repetition performances, legato and portato
Level 2: Repetition performances, spiccato

01 VI-6_mu_perf-rep_leg — Samples: 320 RAM: 20 MB Level 1

Legato, 5 repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

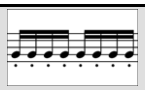
02 VI-6_mu_perf-rep_por — Samples: 567 RAM: 35 MB Level 1

Portato, 9 repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 VI-6_mu_perf-rep_spi — Samples: 567 RAM: 35 MB Level 2

Spiccato, 9 repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

43 Sordino FAST REPETITION — Range: G3–C7



Level 2: Fast repetitions, 16ths at 150 to 190 BPM

01 VI-6_mu_fast-rep_150 (160/170/180/190) — Samples: 126 RAM: 7 MB Level 2

Staccato, 16 repetitions
150 to 190 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

98 RESOURCES

03 Perf Speed variation Range: G3–C7

Level 1: Legato, medium speed

01 VI-6_mu_perf-legato_me **Samples: 1038 RAM: 64 MB** **Level 1**

Legato, medium
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix mu - LEVEL 1

L1 VI-6_mu Articulation Combi — Samples: 2040 RAM: 127 MB — Level 1

Staccato, short détaché, sustained with vibrato, fortepiano, sforzato, tremolo, repetition performances legato and portato, pizzicato

Matrix switches: Horizontal: Keyswitches, C1–F1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1
V1	staccato	sustained vib.	fortepiano	tremolo	perf.rep. legato	pizzicato
V2	détaché short	sustained, auto attack	sforzato	tremolo, auto attack	perf.rep. portato	pizzicato

L1 VI-6_mu Perf-Legato Speed + porta — Samples: 1636 RAM: 102 MB — Level 1

Interval performances: legato with vibrato, legato medium speed, portamento
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato, vib.	legato, medium
V2	portamento	legato, medium

Matrix mu - LEVEL 2

01 VI-6_mu Perf-Universal — Samples: 3175 RAM: 198 MB — Level 2

Interval performances: legato with and without vibrato, legato medium speed, portamento, spiccato
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 4 zones

	H1	H2
V1	legato, vib.	legato, medium
V2	legato, no vib.	legato, medium
V3	portamento	legato, medium
V4	spiccato	spiccato

02 VI-6_mu Perf-Trill Speed - Combi — Samples: 3688 RAM: 230 MB — Level 2

Interval performances: legato with and without vibrato, portamento, trills
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 3 zones

	H1	H2
V1	legato, vib.	trills
V2	legato, no vib.	trills
V3	portamento	trills

03 VI-6_mu Dynamics — Samples: 657 RAM: 41 MB Level 2

Dynamics
Medium crescendo and diminuendo, 1.5, 2, 3, and 4 sec.
Crescendo-diminuendo, 2, 3, 4, and 8 sec.
Fortepiano, sforzato, sforzatissimo
AB switch: crescendo/diminuendo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1
dyn.medium	1.5 sec.	2 sec.	3 sec.	4 sec.
cres-dim	2 sec.	3 sec.	4 sec.	8 sec.
sfz	fp	sfz	sffz	sffz

11 VI-6_mu Perf-Repetitions - Combi — Samples: 1454 RAM: 90 MB Level 2

Repetition performances
Legato, portato, spiccato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	legato	portato	spiccato

12 VI-6_mu Perf-Repetitions - Speed — Samples: 1454 RAM: 90 MB Level 2

Repetition performances
Legato, portato, spiccato
Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
V1	legato	portato	spiccato

13 VI-6_mu Fast-Repetitions — Samples: 378 RAM: 23 MB Level 2

Fast repetitions
Staccato, 16ths at 150 to 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

Presets

VI-6_mu VSL Preset Level 1 — Samples: 3478 RAM: 217 MB Level 1

L1 VI-6_mu Articulation Combi
L1 VI-6_mu Perf-Legato Speed + porta
Preset Keyswitches: C2–C#2

VI-6_mu VSL Preset Level 2 — Samples: 5922 RAM: 370 MB Level 2

01 VI-6_mu Perf-Universal
01 VI-6_mu Perf-Universal
03 VI-6_mu Dynamics
11 VI-6_mu Perf-Repetitions - Combi
13 VI-6_mu Fast-Repetitions
Preset Keyswitches: C2–E2

12 Violas chamber

Patches

31 Sordino SHORT + LONG NOTES Range: C3–D6

Level 1: Staccato, short détaché, sustained with vibrato (normal and with attack automation)

Level 2: Détaché, sustained without vibrato (normal and with attack automation)

01 VA-4_mu_staccato **Samples: 228** **RAM: 14 MB** **Level 1**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 VA-4_mu_detache_short **Samples: 228** **RAM: 14 MB** **Level 1**

Short détaché
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

03 VA-4_mu_detache_long **Samples: 228** **RAM: 14 MB** **Level 2**

Long détaché

10 VA-4_mu_sus_Vib **Samples: 180** **RAM: 11 MB** **Level 1**

Sustained, with vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

11 VA-4_mu_sus_Vib_fA **Samples: 120** **RAM: 7 MB** **Level 2**

Sustained, with vibrato
Optimized attack for legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

12 VA-4_mu_sus_Vib_fA_auto **Samples: 180** **RAM: 11 MB** **Level 1**

Sustained, with vibrato
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

13 VA-4_mu_sus_noVib **Samples: 174** **RAM: 10 MB** **Level 2**

Sustained, without vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

14 VA-4_mu_sus_noVib_fA **Samples: 117** **RAM: 7 MB** **Level 2**

Sustained, without vibrato
Optimized attack for legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

15 VA-4_mu_sus_noVib_fA_auto **Samples: 174** **RAM: 10 MB** **Level 2**

Sustained, without vibrato
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

32 Sordino DYNAMICS Range: C3–D6

Level 1: Fortepiano, sforzato

Level 2: Medium crescendo and diminuendo, 1.5, 2, 3, and 4 sec.
Crescendo-diminuendo, 2, 3, 4, 6, and 8 sec.
Sforzatissimo

01 VA-4_mu_dyn-me_Vib_1'5s **Samples: 76** **RAM: 4 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 1.5 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

02 VA-4_mu_dyn-me_Vib_2s **Samples: 76** **RAM: 4 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

03 VA-4_mu_dyn-me_Vib_3s **Samples: 76** **RAM: 4 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 3 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

04 VA-4_mu_dyn-me_Vib_4s **Samples: 76** **RAM: 4 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 4 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

11 VA-4_mu_pfp_Vib_2s **Samples: 38** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 2 sec.
2 velocity layers: 0–88 p; 89–127 f

12 VA-4_mu_pfp_Vib_3s **Samples: 38** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 3 sec.
2 velocity layers: 0–88 p; 89–127 f

13 VA-4_mu_pfp_Vib_4s **Samples: 38** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 4 sec.
2 velocity layers: 0–88 p; 89–127 f

14 VA-4_mu_pfp_Vib_6s **Samples: 38** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 6 sec.
2 velocity layers: 0–88 p; 89–127 f

15 VA-4_mu_pfp_Vib_8s **Samples: 19** **RAM: 1 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 8 sec.
1 velocity layer

21 VA-4_mu_fp_Vib **Samples: 78** **RAM: 4 MB** **Level 1**

Fortepiano, with vibrato
1 velocity layer
Release samples
2 Alternations

22 VA-4_mu_sfz_Vib **Samples: 78** **RAM: 4 MB** **Level 1**

Sforzato, with vibrato
1 velocity layer
Release samples
2 Alternations

23 VA-4_mu_sffz_Vib **Samples: 98** **RAM: 6 MB** **Level 2**

Sforzatissimo, with vibrato
1 velocity layer
Release samples
2 Alternations

33 Sordino TREMOLO **Range: C3–D6**

Level 1: Tremolo sustained, normal and with attack automation

Level 2: Tremolo sustained, optimized for legato

01 VA-4_mu_trem_sus **Samples: 171** **RAM: 10 MB** **Level 1**

Tremolo, sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

02 VA-4_mu_trem_sus_fA **Samples: 114** **RAM: 7 MB** **Level 2**

Tremolo, sustained
Optimized attack for legato

03 VA-4_mu_trem_sus_fA_auto **Samples: 171** **RAM: 10 MB** **Level 1**

Tremolo, sustained
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

34 Sordino PIZZ — Range: C3–D6

Level 1: Pizzicato

01 VA-4_mu_pizz **Samples: 152** **RAM: 9 MB** **Level 1**

Pizzicato
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

40 Sordino PERF INTERVAL — Range: C3–D6

Level 1: Legato with vibrato
Portamento

Level 2: Legato without vibrato
Spiccato

01 VA-4_mu_perf-legato_Vib **Samples: 924** **RAM: 57 MB** **Level 1**

Legato, with vibrato
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

02 VA-4_mu_perf-legato_noVib **Samples: 918** **RAM: 57 MB** **Level 2**

Legato, without vibrato
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

03 VA-4_mu_perf-portamento **Samples: 370** **RAM: 23 MB** **Level 1**

Portamento
Monophonic
2 velocity layers: 0–55 p; 56–127 mf
Release samples

04 VA-4_mu_perf-spiccato **Samples: 1283** **RAM: 80 MB** **Level 2**

Spiccato
Monophonic
2 velocity layers: 0–88 p; 89–127 f

41 Sordino PERF TRILL — Range: C3–D6

Level 2: Performance Trills

01 VA-4_mu_perf-trill — Samples: 2644 RAM: 165 MB Level 2

Performance trills, minor 2nd to 4th
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

42 Sordino PERF REPETITION — Range: C3–D6

Level 1: Repetition performances, legato and portato
Level 2: Repetition performances, spiccato

01 VA-4_mu_perf-rep_leg — Samples: 300 RAM: 18 MB Level 1

Legato, 5 repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

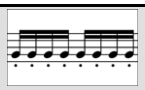
02 VA-4_mu_perf-rep_por — Samples: 513 RAM: 32 MB Level 1

Portato, 9 repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 VA-4_mu_perf-rep_spi — Samples: 513 RAM: 32 MB Level 2

Spiccato, 9 repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

43 Sordino FAST REPETITION — Range: C3–D6



Level 2: Fast repetitions, 16ths at 150 to 190 BPM

01 VA-4_mu_fast-rep_150 (160/^70/180/190) — Samples: 114 RAM: 7 MB Level 2

Staccato, 16 repetitions
150 to 190 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

98 RESOURCES

03 Perf Speed variation Range: C3–D6

Level 1: Legato, medium speed

01 VA-4_mu_perf-legato_me **Samples: 924** **RAM: 57 MB** **Level 1**

Legato, medium speed
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix mu - LEVEL 1

L1 VA-4_mu Articulation Combi — Samples: 1848 RAM: 115 MB — Level 1

Staccato, short détaché, sustained with vibrato, fortepiano, sforzato, tremolo, repetition performances legato and portato, pizzicato

Matrix switches: Horizontal: Keyswitches, C1–F1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1
V1	staccato	sustained vib.	fortepiano	tremolo	perf.rep. legato	pizzicato
V2	détaché short	sustained, auto attack	sforzato	tremolo, auto attack	perf.rep. portato	pizzicato

L1 VA-4_mu Perf-Legato Speed + porta — Samples: 1458 RAM: 91 MB — Level 1

Interval performances: legato with vibrato, legato medium speed, portamento
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato, vib.	legato, medium
V2	portamento	legato, medium

Matrix mu - LEVEL 2

01 VA-4_mu Perf-Universal — Samples: 2855 RAM: 178 MB — Level 2

Interval performances: legato with and without vibrato, legato medium speed, portamento, spiccato
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 4 zones

	H1	H2
V1	legato, vib.	legato, medium
V2	legato, no vib.	legato, medium
V3	portamento	legato, medium
V4	spiccato	spiccato

02 VA-4_mu Perf-Trill Speed - Combi — Samples: 3292 RAM: 205 MB — Level 2

Interval performances: legato with and without vibrato, portamento, trills
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 3 zones

	H1	H2
V1	legato, vib.	trills
V2	legato, no vib.	trills
V3	portamento	trills

03 VA-4_mu Dynamics — Samples: 611 RAM: 38 MB Level 2

Dynamics
Medium crescendo and diminuendo, 1.5, 2, 3, and 4 sec.
Crescendo-diminuendo, 2, 3, 4, and 8 sec.
Fortepiano, sforzato, sforzatissimo
AB switch: crescendo/diminuendo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1
dyn.medium	1.5 sec.	2 sec.	3 sec.	4 sec.
cres-dim	2 sec.	3 sec.	4 sec.	8 sec.
sfz	fp	sfz	sffz	sffz

11 VA-4_mu Perf-Repetitions - Combi — Samples: 1326 RAM: 82 MB Level 2

Repetition performances
Legato, portato, spiccato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	legato	portato	spiccato

12 VA-4_mu Perf-Repetitions - Speed — Samples: 1326 RAM: 82 MB Level 2

Repetition performances
Legato, portato, spiccato
Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
V1	legato	portato	spiccato

13 VA-4_mu Fast-Repetitions — Samples: 342 RAM: 21 MB Level 2

Fast repetitions
Staccato, 16ths at 150 to 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

Presets

VA-4_mu VSL Preset Level 1 — Samples: 3126 RAM: 195 MB Level 1

L1 VA-4_mu Articulation Combi
L1 VA-4_mu Perf-Legato Speed + porta
Preset Keyswitches: C2–C#2

VA-4_mu VSL Preset Level 2 — Samples: 5340 RAM: 333 MB Level 2

01 VA-4_mu Perf-Universal
01 VA-4_mu Perf-Universal
03 VA-4_mu Dynamics
11 VA-4_mu Perf-Repetitions - Combi
13 VA-4_mu Fast-Repetitions
Preset Keyswitches: C2–E2

13 Celli chamber

Patches

31 Sordino SHORT + LONG NOTES Range: C2–A5

Level 1: Staccato, short détaché, sustained with vibrato (normal and with attack automation)

Level 2: Détaché, sustained without vibrato (normal and with attack automation)

01 VC-3_mu_staccato **Samples: 276** **RAM: 17 MB** **Level 1**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 VC-3_mu_detache_short **Samples: 276** **RAM: 17 MB** **Level 1**

Short détaché
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

03 VC-3_mu_detache_long **Samples: 276** **RAM: 17 MB** **Level 2**

Long détaché
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

10 VC-3_mu_sus_Vib **Samples: 216** **RAM: 13 MB** **Level 1**

Sustained, with vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

11 VC-3_mu_sus_Vib_fA **Samples: 144** **RAM: 9 MB** **Level 2**

Sustained, with vibrato
Optimized attack for legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

12 VC-3_mu_sus_Vib_fA_auto **Samples: 216** **RAM: 13 MB** **Level 1**

Sustained, with vibrato
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

13 VC-3_mu_sus_noVib **Samples: 216** **RAM: 13 MB** **Level 2**

Sustained, without vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

14 VC-3_mu_sus_noVib_fA **Samples: 144** **RAM: 9 MB** **Level 2**

Sustained, without vibrato
Optimized attack for legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

15 VC-3_mu_sus_noVib_fA_auto **Samples: 216** **RAM: 13 MB** **Level 2**

Sustained, without vibrato
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

32 Sordino DYNAMICS Range: C2–A5

Level 1: Fortepiano, sforzato

Level 2: Medium crescendo and diminuendo, 1.5, 2, 3, and 4 sec.
Crescendo-diminuendo, 2, 3, 4, 6, and 8 sec.
Sforzatissimo

01 VC-3_mu_dyn-me_Vib_1'5s **Samples: 92** **RAM: 5 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 1.5 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

02 VC-3_mu_dyn-me_Vib_2s **Samples: 92** **RAM: 5 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

03 VC-3_mu_dyn-me_Vib_3s **Samples: 92** **RAM: 5 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 3 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

04 VC-3_mu_dyn-me_Vib_4s **Samples: 92** **RAM: 5 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 4 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

11 VC-3_mu_pfp_Vib_2s **Samples: 46** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 2 sec.
2 velocity layers: 0–88 p; 89–127 f

12 VC-3_mu_pfp_Vib_3s **Samples: 46** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 3 sec.
2 velocity layers: 0–88 p; 89–127 f

13 VC-3_mu_pfp_Vib_4s **Samples: 46** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 4 sec.
2 velocity layers: 0–88 p; 89–127 f

14 VC-3_mu_pfp_Vib_6s **Samples: 46** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 6 sec.
2 velocity layers: 0–88 p; 89–127 f

15 VC-3_mu_pfp_Vib_8s **Samples: 23** **RAM: 1 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 8 sec.

21 VC-3_mu_fp_Vib **Samples: 96** **RAM: 6 MB** **Level 1**

Fortepiano, with vibrato
1 velocity layer
Release samples
2 Alternations

22 VC-3_mu_sfz_Vib **Samples: 96** **RAM: 6 MB** **Level 1**

Sforzato, with vibrato
1 velocity layer
Release samples
2 Alternations

23 VC-3_mu_sffz_Vib **Samples: 120** **RAM: 7 MB** **Level 2**

Sforzatissimo, with vibrato
1 velocity layer
Release samples
2 Alternations

33 Sordino TREMOLO Range: C2–A5

Level 1: Tremolo sustained, normal and with attack automation

Level 2: Tremolo sustained, optimized for legato

01 VC-3_mu_trem_sus **Samples: 207** **RAM: 12 MB** **Level 1**

Tremolo, sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

02 VC-3_mu_trem_sus_fA **Samples: 138** **RAM: 8 MB** **Level 2**

Tremolo, sustained
Optimized attack for legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

03 VC-3_mu_trem_sus_fA_auto **Samples: 207** **RAM: 12 MB** **Level 1**

Tremolo, sustained
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

34 Sordino PIZZ

Range: C2–A5

Level 1: Pizzicato

01 VC-3_mu_pizz **Samples: 192** **RAM: 12 MB** **Level 1**

Pizzicato
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

40 Sordino PERF INTERVAL

Range: C2–E5

Level 1: Legato with vibrato
Portamento

Level 2: Legato without vibrato
Spiccato

01 VC-3_mu_perf-legato_Vib **Samples: 996** **RAM: 62 MB** **Level 1**

Legato, with vibrato
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

02 VC-3_mu_perf-legato_noVib **Samples: 996** **RAM: 62 MB** **Level 2**

Legato, without vibrato
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

03 VC-3_mu_perf-portamento **Samples: 406** **RAM: 25 MB** **Level 1**

Portamento
Monophonic
2 velocity layers: 0–55 p; 56–127 mf
Release samples

04 VC-3_mu_perf-spiccato **Range: C2–A5** **Samples: 1557** **RAM: 97 MB** **Level 2**

Spiccato
Monophonic
2 velocity layers: 0–88 p; 89–127 f

41 Sordino PERF TRILL — Range: C2–E5

Level 2: Performance Trills

01 VC-3_mu_perf-trill — Samples: 2578 RAM: 161 MB Level 2

Performance trills, minor 2nd to major 3rd
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

42 Sordino PERF REPETITION — Range: C2–A5

Level 1: Repetition performances, legato and portato
Level 2: Repetition performances, spiccato

01 VC-3_mu_perf-rep_leg — Samples: 360 RAM: 22 MB Level 1

Legato, 5 repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

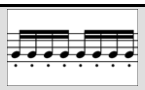
02 VC-3_mu_perf-rep_por — Samples: 621 RAM: 38 MB Level 1

Portato, 9 repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 VC-3_mu_perf-rep_spi — Samples: 621 RAM: 38 MB Level 2

Spiccato, 9 repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

43 Sordino FAST REPETITION — Range: C2–A5



Level 2: Fast repetitions, 16ths at 150 to 190 BPM

01 VC-3_mu_fast-rep_150 (160/170/180/190) — Samples: 138 RAM: 8 MB Level 2

Staccato, 16 repetitions
150 to 190 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

98 RESOURCES

03 Perf Speed variation Range: C2–E5

Level 1: Legato, medium speed

01 VC-3_mu_perf-legato_me **Samples: 959** **RAM: 59 MB** **Level 1**

Legato, medium speed
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix mu - LEVEL 1

L1 VC-3_mu Articulation Combi — Samples: 2244 RAM: 140 MB — Level 1

Staccato, short détaché, sustained with vibrato, fortepiano, sforzato, tremolo, repetition performances legato and portato, pizzicato

Matrix switches: Horizontal: Keyswitches, C1–F1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1
V1	staccato	sustained vib.	fortepiano	tremolo	perf.rep. legato	pizzicato
V2	détaché short	sustained, auto attack	sforzato	tremolo, auto attack	perf.rep. portato	pizzicato

L1 VC-3_mu Perf-Legato Speed + porta — Samples: 1523 RAM: 95 MB — Level 1

Interval performances: legato with vibrato, legato medium speed, portamento
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato, vib.	legato, medium
V2	portamento	legato, medium

Matrix mu - LEVEL 2

01 VC-3_mu Perf-Universal — Samples: 3212 RAM: 200 MB — Level 2

Interval performances: legato with and without vibrato, legato medium speed, portamento, spiccato
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 4 zones

	H1	H2
V1	legato, vib.	legato, medium
V2	legato, no vib.	legato, medium
V3	portamento	legato, medium
V4	spiccato	spiccato

02 VC-3_mu Perf-Trill Speed - Combi — Samples: 3274 RAM: 204 MB — Level 2

Interval performances: legato with and without vibrato, portamento, trills
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 3 zones

	H1	H2
V1	legato, vib.	trills
V2	legato, no vib.	trills
V3	portamento	trills

03 VC-3_mu Dynamics — Samples: 745 RAM: 46 MB Level 2

Medium crescendo and diminuendo, 1.5, 2, 3, and 4 sec.
Crescendo-diminuendo, 2, 3, 4, and 8 sec.
Fortepiano, sforzato, sforzatissimo
AB switch: crescendo/diminuendo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1
dyn.medium	1.5 sec.	2 sec.	3 sec.	4 sec.
cres-dim	2 sec.	3 sec.	4 sec.	8 sec.
sfz	fp	sfz	sffz	sffz

11 VC-3_mu Perf-Repetitions - Combi — Samples: 1602 RAM: 100 MB Level 2

Repetition performances
Legato, portato, spiccato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	legato	portato	spiccato

12 VC-3_mu Perf-Repetitions - Speed — Samples: 1602 RAM: 100 MB Level 2

Repetition performances
Legato, portato, spiccato
Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
V1	legato	portato	spiccato

13 VC-3_mu Fast-Repetitions — Samples: 414 RAM: 25 MB Level 2

Fast repetitions
Staccato, 16ths at 150 to 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

Presets

VC-3_mu VSL Preset Level 1 — Samples: 3563 RAM: 222 MB Level 1

L1 VC-3_mu Articulation Combi
L1 VC-3_mu Perf-Legato Speed + porta
Preset Keyswitches: C6–C#6

VC-3_mu VSL Preset Level 2 — Samples: 6243 RAM: 390 MB Level 2

01 VC-3_mu Perf-Universal
01 VC-3_mu Perf-Universal
03 VC-3_mu Dynamics
11 VC-3_mu Perf-Repetitions - Combi
13 VC-3_mu Fast-Repetitions
Preset Keyswitches: C6–E6

14 Bassi chamber

Patches

31 Sordino SHORT + LONG NOTES Range: B0–F4

Level 1: Staccato, short détaché, sustained with vibrato (normal and with attack automation)

Level 2: Détaché, sustained without vibrato (normal and with attack automation)

01 DB-2_mu_staccato **Samples: 264** **RAM: 16 MB** **Level 1**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 DB-2_mu_detache_short **Samples: 264** **RAM: 16 MB** **Level 1**

Short détaché
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

03 DB-2_mu_detache_long **Samples: 264** **RAM: 16 MB** **Level 2**

Long détaché
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

10 DB-2_mu_sus_Vib **Samples: 198** **RAM: 12 MB** **Level 1**

Sustained, with vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

11 DB-2_mu_sus_Vib_fA **Samples: 132** **RAM: 8 MB** **Level 2**

Sustained, with vibrato
Optimized attack for legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

12 DB-2_mu_sus_Vib_fA_auto **Samples: 198** **RAM: 12 MB** **Level 1**

Sustained, with vibrato
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

13 DB-2_mu_sus_noVib **Samples: 198** **RAM: 12 MB** **Level 2**

Sustained, without vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

14 DB-2_mu_sus_noVib_fA **Samples: 132** **RAM: 8 MB** **Level 2**

Sustained, without vibrato
Optimized attack for legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

15 DB-2_mu_sus_noVib_fA_auto **Samples: 198** **RAM: 12 MB** **Level 2**

Sustained, without vibrato
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

32 Sordino DYNAMICS Range: B0–F4

Level 1: Fortepiano, sforzato

Level 2: Medium crescendo and diminuendo, 1.5, 2, 3, and 4 sec.
Crescendo-diminuendo, 2, 3, 4, 6, and 8 sec.
Sforzatissimo

01 DB-2_mu_dyn-me_Vib_1'5s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 1.5 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

02 DB-2_mu_dyn-me_Vib_2s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

03 DB-2_mu_dyn-me_Vib_3s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 3 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

04 DB-2_mu_dyn-me_Vib_4s **Samples: 88** **RAM: 5 MB** **Level 2**

Medium crescendo and diminuendo, with vibrato, 4 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

11 DB-2_mu_pfp_Vib_2s **Samples: 44** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 2 sec.
2 velocity layers: 0–88 p; 89–127 f

12 DB-2_mu_pfp_Vib_3s **Samples: 44** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 3 sec.
2 velocity layers: 0–88 p; 89–127 f

13 DB-2_mu_pfp_Vib_4s **Samples: 44** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 4 sec.
2 velocity layers: 0–88 p; 89–127 f

14 DB-2_mu_pfp_Vib_6s **Samples: 44** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 6 sec.
2 velocity layers: 0–88 p; 89–127 f

15 DB-2_mu_pfp_Vib_8s **Samples: 22** **RAM: 1 MB** **Level 2**

Crescendo-diminuendo, with vibrato, 8 sec.
1 velocity layer

21 DB-2_mu_fp_Vib **Samples: 88** **RAM: 5 MB** **Level 1**

Fortepiano, with vibrato
1 velocity layer
Release samples
2 Alternations

22 DB-2_mu_sfz_Vib **Samples: 88** **RAM: 5 MB** **Level 1**

Sforzato, with vibrato
1 velocity layer
Release samples
2 Alternations

23 DB-2_mu_sffz_Vib **Samples: 110** **RAM: 6 MB** **Level 2**

Sforzatissimo, with vibrato
1 velocity layer
Release samples
2 Alternations

33 Sordino TREMOLO **Range: B0–F4**

Level 1: Tremolo sustained, normal and with attack automation

Level 2: Tremolo sustained, optimized for legato

01 DB-2_mu_trem_sus **Samples: 198** **RAM: 12 MB** **Level 1**

Tremolo, sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

02 DB-2_mu_trem_sus_fA **Samples: 132** **RAM: 8 MB** **Level 2**

Tremolo, sustained
Optimized attack for legato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

03 DB-2_mu_trem_sus_fA_auto **Samples: 198** **RAM: 12 MB** **Level 1**

Tremolo, sustained
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
2 Alternations

34 Sordino PIZZ — Range: B0–F4

Level 1: Pizzicato

01 DB-2_mu_pizz **Samples: 132** **RAM: 8 MB** **Level 1**

Pizzicato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
2 Alternations

40 Sordino PERF INTERVAL — Range: B0–A#3

Level 1: Legato with vibrato
Portamento

Level 2: Legato without vibrato
Spiccato

01 DB-2_mu_perf-legato_Vib **Samples: 876** **RAM: 54 MB** **Level 1**

Legato, with vibrato
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

02 DB-2_mu_perf-legato_noVib **Samples: 876** **RAM: 54 MB** **Level 2**

Legato, without vibrato
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

03 DB-2_mu_perf-portamento **Samples: 358** **RAM: 22 MB** **Level 1**

Portamento
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

04 DB-2_mu_perf-spiccato **Range: B0–F4** **Samples: 1284** **RAM: 80 MB** **Level 2**

Spiccato
Monophonic
2 velocity layers: 0–88 p; 89–127 f

41 Sordino PERF TRILL

Range: B0–A#3

Level 2: Performance Trills

01 DB-2_mu_perf-trill **Samples: 1556** **RAM: 97 MB** **Level 2**

Performance trills, minor to major 2nd
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

42 Sordino PERF REPETITION

Range: B0–F4

Level 1: Repetition performances, legato and portato

Level 2: Repetition performances, spiccato

01 DB-2_mu_perf-rep_leg **Samples: 330** **RAM: 20 MB** **Level 1**

Legato, 5 repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 DB-2_mu_perf-rep_por **Samples: 594** **RAM: 37 MB** **Level 1**

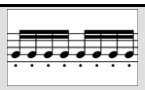
Portato, 9 repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 DB-2_mu_perf-rep_spi **Samples: 594** **RAM: 37 MB** **Level 2**

Spiccato, 9 repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

43 Sordino FAST REPETITION

Range: B0–F4



Level 2: Fast repetitions, 16ths at 150 to 190 BPM

01 DB-2_mu_fast-rep_150 (160/170/180/190) **Samples: 132** **RAM: 8 MB** **Level 2**

Staccato, 16 repetitions
150 to 190 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

98 RESOURCES

03 Perf Speed variation Range: B0–A#3

Level 1: Legato, medium speed

01 DB-2_mu_perf-legato_me **Samples: 876** **RAM: 54 MB** **Level 1**

Legato, medium
Monophonic
2 velocity layers: 0–108 p; 109–127 f
Release samples

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix mu - LEVEL 1

L1 DB-2_mu Articulation Combi — Samples: 2068 RAM: 129 MB — Level 1

Staccato, short détaché, sustained with vibrato, fortepiano, sforzato, tremolo, repetition performances legato and portato, pizzicato

Matrix switches: Horizontal: Keyswitches, C6–F6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6	F6
V1	staccato	sustained vib.	fortepiano	tremolo	perf.rep. legato	pizzicato
V2	détaché short	sustained, auto attack	sforzato	tremolo, auto attack	perf.rep. portato	pizzicato

L1 DB-2_mu Perf-Legato Speed + porta — Samples: 1190 RAM: 74 MB — Level 1

Interval performances: legato with vibrato, legato medium speed, portamento
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato, vib.	legato, medium
V2	portamento	legato, medium

Matrix mu - LEVEL 2

01 DB-2_mu Perf-Universal — Samples: 2588 RAM: 161 MB — Level 2

Interval performances: legato with and without vibrato, legato medium speed, portamento, spiccato
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 4 zones

	H1	H2
V1	legato, vib.	legato, medium
V2	legato, no vib.	legato, medium
V3	portamento	legato, medium
V4	spiccato	spiccato

02 DB-2_mu Perf-Trill Speed - Combi — Samples: 1984 RAM: 124 MB — Level 2

Interval performances: legato with and without vibrato, portamento, trills
Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 3 zones

	H1	H2
V1	legato, vib.	trills
V2	legato, no vib.	trills
V3	portamento	trills

03 DB-2_mu Dynamics

Samples: 704 RAM: 44 MB Level 2

Medium crescendo and diminuendo, 1.5, 2, 3, and 4 sec.
Crescendo-diminuendo, 2, 3, 4, and 8 sec.
Fortepiano, sforzato, sforzatissimo
AB switch: crescendo/diminuendo

Matrix switches: Horizontal: Keyswitches, C6–D#6 Vertical: Modwheel, 3 zones

	C6	C#6	D6	D#6
dyn.medium	1.5 sec.	2 sec.	3 sec.	4 sec.
cres-dim	2 sec.	3 sec.	4 sec.	8 sec.
sfz	fp	sfz	sffz	sffz

11 DB-2_mu Perf-Repetitions - Combi

Samples: 1518 RAM: 94 MB Level 2

Repetition performances
Legato, portato, spiccato

Matrix switches: Horizontal: Keyswitches, C6–D6

	C6	C#6	D6
V1	legato	portato	spiccato

12 DB-2_mu Perf-Repetitions - Speed

Samples: 1518 RAM: 94 MB Level 2

Repetition performances
Legato, portato, spiccato
Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
V1	legato	portato	spiccato

13 DB-2_mu Fast-Repetitions

Samples: 396 RAM: 24 MB Level 2

Fast repetitions
Staccato, 16ths at 150 to 190 BPM

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
speed/BPM	150	160	170	180	190

Presets

DB-2_mu VSL Preset Level 1 **Samples: 3078 RAM: 192 MB** **Level 1**

L1 DB-2_mu Articulation Combi
L1 DB-2_mu Perf-Legato Speed + porta
Preset Keyswitches: C7–C#7

DB-2_mu VSL Preset Level 2 **Samples: 5620 RAM: 351 MB** **Level 2**

01 DB-2_mu Perf-Universal
01 DB-2_mu Perf-Universal
03 DB-2_mu Dynamics
11 DB-2_mu Perf-Repetitions - Combi
13 DB-2_mu Fast-Repetitions
Preset Keyswitches: C7–E7

Vienna Instruments PRO II Matrices and Presets

Introduction

Update Installation – DVD Collections

All new VI PRO 2 Presets and Matrices are installed by installing the Library Updates, available in your User Area www.vsl.co.at/user.

Make sure that you have installed the latest version of Vienna Instruments PRO 2 and launch the Directory Manager.

WIN: “Start” button => “All programs” => “Vienna Instruments PRO”

OS X: “Applications” => “Vienna Instruments PRO”

Drag your downloaded Library Update .zip files on top of the sample content folder list in the Directory Manager; there is no need to unpack them first. It is also possible to take more than one .zip, as they will be installed one after the other. You will be guided through the update installation.

Attention: Please make sure to have all the Vienna Instruments Libraries you want to update loaded entirely in the Directory Manager – this will save you a few mouseclicks.

General Information

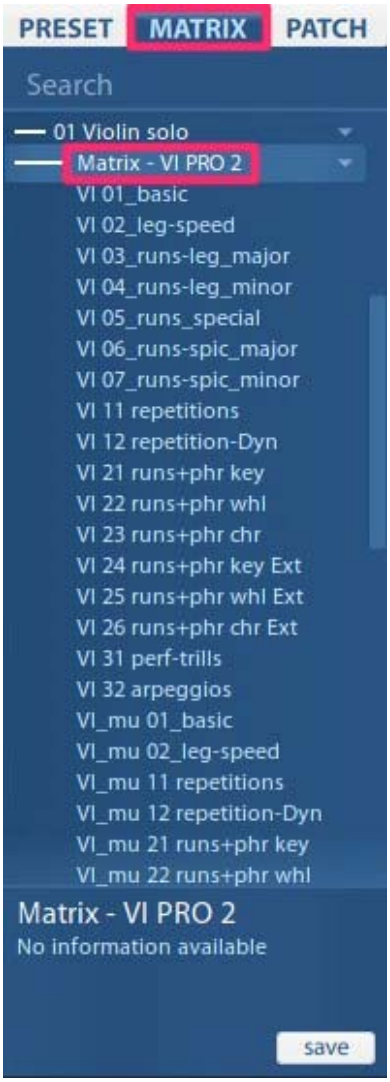
All Vienna Instruments PRO 2 Presets and Matrices have been saved with their cells disabled. This way you can load them quickly to analyze the various loaded Presets and Matrices.

If you activate “Force Enabled ON” in the Settings Menu, these Presets and Matrices will be loaded with enabled cells.

Single Instrument Matrices

There are special folders for Vienna Instruments PRO 2 in the Matrix list of all String and Wind Instruments:

“MATRIX – VI PRO 2”



These folders hold up to 17 new Matrices.

Matrices from 01–09 are “conventional” matrices, without the internal APP Sequencer activated.

Matrix 11 and higher contain sequence-based Matrices.

"01_basic" – The Allround Matrix

Available for all String and Wind Instruments.

A collection of the most essential articulations of the given instrument, with up to 40 different patches.

The Patches have been assembled from the Standard & Extended Library content of each Vienna Instruments Collection, but of course these Matrices are also available if you only have a license for the Standard Library of your Collection. The Patches that are not available will appear with a red background in the Matrix Cells and in the Slot Rack.

X-Axis Controller (horizontal): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contra Bass Instruments (lowest notes below C2): C6 upwards

Use these Keyswitches to change between main categories of Patches like short notes, sustains and Performance Intervals.

Y-Axis Controller (vertical): CC1 (ModWheel)

Use the ModWheel to access different variations of a main category, e.g., sustains: with and without vibrato, with progressive vibrato.

Cell Configuration:

C Short Single Note samples (staccato, détaché, portato)
C# Sustains (with/without vibrato)
D Dynamic Single Notes (fortepiano, sforzando, sforzantissimo)
D# Performance Intervals (legato, trills, marcato, portamento)
E Performance Repetitions (legato, portato, staccato, spiccato, harsh)
F Fast Repetitions (in different tempos)
F# Tremolo, flutter tongue, recorded trills
G pizzicato, col legno (strings only)
G# Harmonics (strings only)
A Ponticello (strings only)

The configuration of individual Cells has been designed to be interchangeable throughout all instruments; e.g., a staccato will always be found in the same Cell position, irrespective of whether you are using a string or a wind instrument. This allows a quick change of instruments in your arrangement.

"02_leg-speed" (resp. "glissando-speed") – Tweakable Intervals

Available for all String and Woodwind Instruments, as well as for Brass Instruments with Glissando/Portamento Patches.

The new Enveloped Stretching tools in Vienna Instruments PRO 2 allow you to control the transition length of Performance Interval Patches in real-time.

> **Attention:** Loading or "enabling" these matrices for the first time will cause some delay due to the necessary rendering time.

X-Axis Controller (horizontal): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contrabass Instruments (lowest notes below C2): C6 upwards

Use these Keyswitches to change between different Performance Interval Patches (legato, portamento, glissando).

Y-Axis Controller (vertical): CC1 (ModWheel)

Use the ModWheel to access different transition lengths for the Performance Interval Patches.

CC1 =1 Slow transitions
CC1 = 64 Regular transitions
CC1 = 127 Fast transitions

"03_runs-leg_major" – Major runs on Speed

Available for all String and Wind Instruments with originally recorded Run Patches (Solo Violin, Orchestral Strings, selected Woodwinds, Trumpets)

Enveloped time-stretching lets you switch between different rendered speeds of the recorded runs in real-time.

The first cells of each matrix row show the tempo in BPM.

The originally played runs were performed as 32nd notes.

X-Axis Controller (horizontal): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contrabass Instruments (lowest notes below C2): C6 upwards

Use these Keyswitches to change between different scales from C major to B major.

Y-Axis Controller (vertical): CC1 (ModWheel)

Use the ModWheel to trigger different speed variations, up to 7 tempo variations.

CC1 = 1 Slowest
CC1 = 127 Fastest

> **Hint:** For a more accurate selection of the intended playing speed it will make sense to change the Y-Axis Controller to Keyswitches.

"04_runs-leg_minor" – Minor runs on Speed

Like Matrix "03_runs-leg_major", but based on minor harmonic scales.

"05_runs-special" – Special Scale runs on Speed

Like Matrix "03_runs-leg_major", but based on chromatic and whole-tone scales.

"11 repetitions" – Repetitions without restrictions

Available for all String and Wind Instruments.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contrabass Instruments (lowest notes below C2): C6 upwards

The variations available in the Y-Axis are generally sequences assembled from one or 2 different articulations. For Strings, these are spiccato and staccato Performance Repetitions. For Wind Instruments, these are portato and staccato Performance Repetitions.

You can access up to 12 different pre-programmed patterns:

Slot 1	**"16th"**	16th notes based on one articulation.
Slot 2	**"16 2mc"**	16th notes based on two different articulations, accents are achieved by using the "longer" articulation.
Slot 3	**"16 mc"**	16th notes based on two different articulations, accents are achieved by using 2 "longer" articulations.
Slot 4	**"up 2"**	Sequence of one 8th note and two 16th notes.
Slot 5	**"up 1"**	Upbeats, sequence of one 8th note and one 16th note.
Slot 6	**"16 a3"**	Sequence of three 16th notes and one 16th rest.
Slot 7	**"triplet"**	8th triplets based on one articulation.
Slot 8	**"trip mc"**	8th triplets based on two different articulations, accents are achieved by using the "longer" articulation.
Slot 9	**"trip mc2"**	8th triplets based on two different articulations, every quarter beat is accentuated by using the "longer" articulation.
Slot 10	**"trip up1"**	Triplet Upbeats
Slot 11	**"Phrase A"**	Example 1 of a combination of different articulations.
Slot 12	**"Phrase B"**	Example 2 of a combination of different articulations.

"12 repetition-Dyn" – Dynamite Dynamics

Available for all String and Wind Instruments with perf-repetition_dyn Patches.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

The available patterns are based on Performance Repetition Patches. The different volumes of the contained notes are as originally recorded and are NOT triggered by MIDI velocity.

There are up to 9 different volume levels available for every recorded dynamic repetition pattern.

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations are different successions of crescendo and diminuendo repetition patters in 16th notes.

Slot 1	**"cre-dim"**	Sequence of eight 16th notes from pp–ff, followed by eight 16th notes from ff–pp
Slot 2	**"dim-cre"**	Sequence of eight 16th notes from ff–pp, followed by eight 16th notes from pp–ff
Slot 3	**"cr-di sh"**	Sequence of four 16th notes from pp–ff, followed by 4 16th notes from ff–pp
Slot 4	**"di-cr sh"**	Sequence of four 16th notes from ff–pp, followed by four 16th notes from pp–ff
Slot 5	**"cre step"**	A series of 4 sequences, each with 4 16th notes, starting with pp. Every following sequence starts at the next higher volume from the preceding one.
Slot 6	**"dim step"**	A series of 4 sequences, each with 4 16th notes, starting with ff. Every following sequence starts with the next lower volume from the preceding one.
Slot 7	**"accent A"**	A series of 4 sequences, each with 4 16th notes, with an accentuation on the quarter beat and crescendos towards the accentuated notes.
Slot 8	**"accent B"**	A series of 4 sequence parts, each with 4 16th notes, with an accentuation on the quarter beat and strong cresendos towards the accentuated notes.
Slot 9	**"Phrase A"**	Example 1 of a combination of different articulations.
Slot 10	**"Phrase B"**	Example 2 of a combination of different articulations.
Slot 11	**"Phrase C"**	Example 3 of a combination of different articulations.
Slot 12	**"Phrase D"**	Example 4 of a combination of different articulations.

“21 runs+phr key” – Diatonic Runs & Phrases

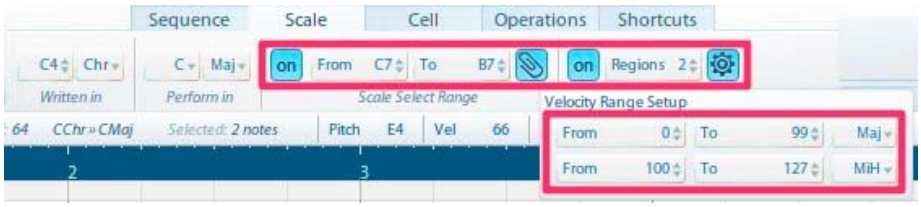
Available for all String and Wind Instruments.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7 (except Piccolo Flute: C3–B3).

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

> **Attention:** If this Matrix is loaded into an empty preset on its own, the “Scale Select Range” and “Velocity Switch” functions in the APP sequencer (Scale Tab) must be activated.



X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The major part of the patches used is based on Performance Fast Legatos, and Slurred Fast Legatos for most string ensembles.

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations in the Y-Axis consist of upwards and downwards runs and phrases in different lengths.

Slot 1	**“Oct up”**	Diatonic run upwards, 1 octave
Slot 2	**“Oct do”**	Diatonic run downwards, 1 octave
Slot 3	**“Oct ac-u”**	Diatonic run upwards, 1 octave, with a slight accelerando
Slot 4	**“Oct ac-d”**	Diatonic run downwards, 1 octave, with a slight accelerando
Slot 5	**“2 Oct up”**	Diatonic run upwards, 2 octaves
Slot 6	**“2 Oct do”**	Diatonic run downwards, 2 octaves
Slot 7	**“Quint up”**	Diatonic run upwards, 1 fifth
Slot 8	**“Quint do”**	Diatonic run downwards, 1 fifth
Slot 9	**“Phr A up”**	Progressive phrase upwards (step by step) with a repetition note, 1 octave.
Slot 10	**“Phr A do”**	Progressive phrase downwards (step by step) with a repetition note, 1 octave.
Slot 11	**“Phr B up”**	Progressive “mordent phrase” upwards (step by step), 1 octave.
Slot 12	**“Phr B do”**	Progressive “mordent phrase” downwards (step by step), 1 octave.

“22 runs+phr whl” – Whole-tone Runs & Phrases

Like Matrix “21 runs+phr key”, but based on whole-tone scales.

“23 runs+phr chr” – Chromatic Runs & Phrases

Like Matrix “21 runs+phr key”, but based on chromatic scales.

“24 runs+phr key ext”

Like Matrix “21 runs+phr key”, based on fast Marcato Performance Patches.

> **Attention:** “Ext” Matrices are only available if the Extended Library of the corresponding Collection is available, and only for instruments that contain marcato and/or spiccato Performance Patches.

“25 runs+phr whl ext”

Like Matrix “21 runs+phr key”, based on fast Marcato Performance Patches and whole-tone scales.

“26 runs+phr chr ext”

Like Matrix “21 runs+phr key”, based on fast Marcato Performance Patches and chromatic scales.

“31 perf-trills” – Thrilling Trills

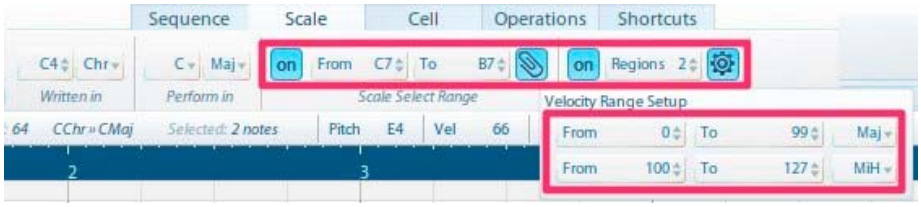
Available for all String and Wind Instruments with Performance Trill Patches.

An APP Sequencer based Matrix with Host Tempo Sync NOT activated by default. Trill speed can be set directly in the APP sequencer’s “Sequence” tab.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7 (except Piccolo Flute: C3–B3).

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major Scale
Velocity 100–127: Minor Harmonic Scale

> **Attention:** If this Matrix is loaded into an empty preset on its own, the “Scale Select Range” and “Velocity Switch” functions in the APP sequencer (Scale Tab) must be activated.



X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The major part of the Patches used is based on Performance Trill Patches.

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations in the Y-Axis consist of trills in different speeds, accelerating or decelerating, plus a variety of mordents and inverted mordents (“Pralltriller”).

Slot 1	**“trill”**	Trill, middle tempo.
Slot 2	**“trill ac”**	Trill, accelerating.
Slot 3	**“trill fa”**	Trill, fast tempo.
Slot 4	**“trill ri”**	Trill, decelerating.
Slot 5	**“mord up1”**	Embellishment, starting with upwards note.
Slot 6	**“mord do1”**	Embellishment, starting with downwards note.
Slot 7	**“mord up2”**	Embellishment, starting with two upwards notes.
Slot 8	**“mord up2+”**	Embellishment, starting with two upwards notes (variation).
Slot 9	**“mord do2”**	Embellishment, starting with two downwards notes.
Slot 10	**“mord do2+”**	Embellishment, starting with two downwards notes (variation).
Slot 11	**“Prall up”**	Inverted mordent (“Pralltriller”) upwards
Slot 12	**“Prall do”**	Inverted mordent (“Pralltriller”) downwards

“32 arpeggios” – Fantastic Four String Arpeggios

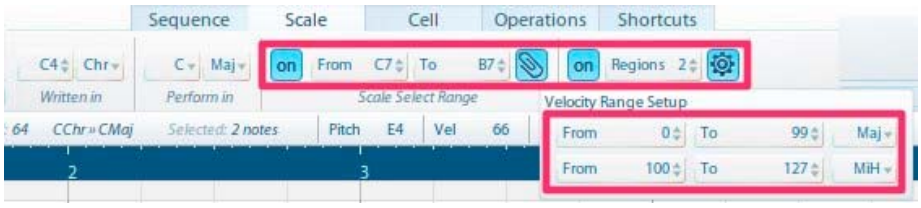
Available for all String Instruments except Double Basses.

APP Sequencer-based Matrix, Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

Attention: If this Matrix is loaded into an empty preset on its own, the “Scale Select Range” and “Velocity Switch” in the APP sequencer (Scale Tab) must be activated.



<u>X-Axis Controller:</u> Articulations are assigned in the APP Sequencer (Cell Tab)

The major part of the used patches is based on Performance Legato Patches, in combination with Performance Repetitions.

<u>Y-Axis Controller:</u> Keyswitches

Only for Bass to Soprano Instruments (lowest note C2): C1 upwards

The available variations in the Y-Axis are the most essential arpeggio chords over 4 strings within a scale (except #12).

Slot 1	**"ma3 root"**	Arpeggio Sequence, as an example in C major: C–G–E–C
Slot 2	**"ma3 inv1"**	Arpeggio Sequence, as an example in C major: C–A–E–A
Slot 3	**"ma3 inv2"**	Arpeggio Sequence, as an example in C major: C–A–F–C
Slot 4	**"ma7 root"**	Arpeggio Sequence, as an example in C major: C–G–E–B
Slot 5	**"ma7 inv1"**	Arpeggio Sequence, as an example in C major: C–G–E–A
Slot 6	**"ma7 inv2"**	Arpeggio Sequence, as an example in C major: C–A–F–E
Slot 7	**"ma7 inv3"**	Arpeggio Sequence, as an example in C major: C–A–F–D
Slot 8	**"ma9 1"**	Arpeggio Sequence, as an example in C major: C–G–D–B
Slot 9	**"ma9 2"**	Arpeggio Sequence, as an example in C major: C–G–E–D
Slot 10	**"ma9 3"**	Arpeggio Sequence, as an example in C major: C–A–E–D
Slot 11	**"Qua–Qui"**	Arpeggio Sequence, as an example in C major: C–F–C–F
Slot 12	**"augm chr"**	Arpeggio Sequence, as an example in C major: C–G#–E–C

Single Instrument Presets

All Vienna Instruments PRO 2 Single Instrument Presets are contained in the already existing Preset folders. They are placed right before the original Vienna Instruments Presets.

All Cells are saved in “disabled” status (without any loaded samples). If you want your Presets to be loaded with their Cells automatically enabled, just activate “Force Enabled ON/OFF” in the Settings menu.

Use Keyswitches to switch between Matrices. Alternatively, you can also use Program Changes or MIDI Control Changes.

Matrix switching: Keyswitches

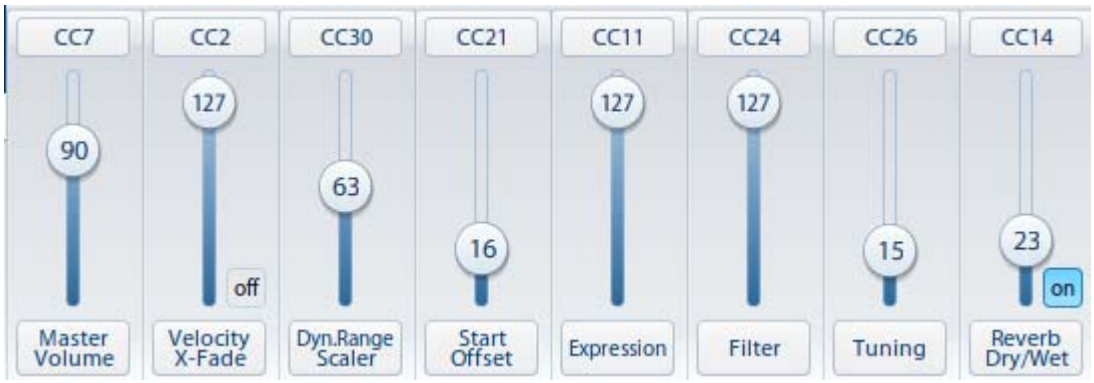
For Alto and Soprano Instruments (lowest note C3): C2 upwards
For Bass and Tenor Instruments (lowest notes below C3): C6 upwards
For Contrabass Instruments (lowest notes below C2): C5 upwards

Internal reverb is activated!

Tuning Table: 12-tone

Assignment of the most important controllers (pre-configured sliders in Basic View)

Master Volume	CC7
Velocity X-Fade	CC2
Velocity X-Fade ON/OFF switch	CC28
Dyn Range scaler	CC30
Start Offset scaler	CC21
Expression	CC11
Filter	CC24
Tuning	CC26 (scales Humanize Tuning Curves)
Reverb Dry/Wet	CC14
Reverb ON/OFF switch	CC15



Common Matrix assignments (if corresponding Patches are available):

C	01_basic
C#	11 repetitions
D	12 repetition-Dyn
D#	21 runs+phr key
E	22 runs+phr whl
F	23 runs+phr chr
F#	24 runs+phr key ext
G	25 runs+phr whl ext
G#	26 runs+phr chr ext
A	31 perf-trills
A#	32 arpeggios

Chord Matrices

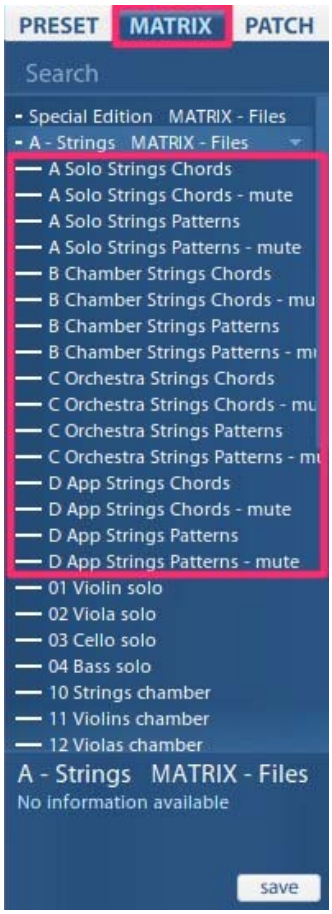
The Matrix Browser displays Chord Matrices in a new folder above the corresponding instrument group's original Single Instruments folder.

The following Chord Matrix folders are available and will be displayed if the respective licenses are available:

String MATRIX Files

A Solo Strings	*License:* Solo Strings
A Solo Strings – mute	*License:* Solo Strings II
B Chamber Strings	*License:* Chamber Strings
B Chamber Strings II	*License:* Chamber Strings II
C Orchestra Strings	*Licenses:* Orchestra Violins/Violas, Orchestra Celli/Bassi
C Orchestra Strings – mute	*Licenses:* Orchestra Violins/Violas, Orchestra Celli/Bassi
D Appassionata Strings	*License:* Appassionata Strings I
D Appassionata Strings – mute	*License:* Appassionata Strings II

All Chord Matrices are based on APP Sequences and consist of chords with 4 or 5 voices with the following voicing:



<u>All Strings</u>

1st Voice	Violins 1
2nd Voice	Violins 2
3rd Voice	Violas
4th Voice	Cellos
5th Voice	Double Basses

Chord Matrices

"01 Chords (8)"

Available for all instrument groups with Chord Matrices.

Play range: C3–B5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Selection of 12 scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Keyswitches to trigger the most important articulations:

C6	Performance Legato
C#6	Portamento (Strings) or Sustain Vibrato (Winds)
D6	Staccato
D#6	Détaché (Strings) or Portato short (Winds)
E6	Sustain with vibrato (Strings) or Sustain without vibrato (Winds)
F6	Fortepiano (Appassionata Strings: Sforzando)
F#6	Sforzando
G6	Performance Repetition (Legato)
G#6	Performance Repetition Portato (Solo Strings: Staccato)
A6	Performance Repetition Spiccato (Strings) or Staccato (Winds)
A#6	Tremolo (Strings) or Flutter Tongue (Winds)
B6	Pizzicato (Strings) or Sforzatissimo (Winds)

Y-Axis Controller (vertical): Keyswitches for a choice of different chord inversions and additional chords like diminished, augmented and ninth chords

With all variations, the soprano voice plays the root note.

C1	"ma3 root"	Triad, bass note on the root note
C#1	"ma3 inv1"	Triad, bass note on the third
D1	"ma3 inv2"	Triad, bass note on the fifth
D#1	"ma7 root"	Seventh chord, bass note as root
E1	"ma7 inv1"	Seventh chord, bass note on the third
F1	"ma7 inv2"	Seventh chord, bass note on the fifth
F#1	"ma7 inv3"	Seventh chord, bass note on the seventh
G1	"ma9"	Ninth chord
G#1	"dim7 chr"	Diminished Seventh chord (chromatic transposition)
A1	"augm chr"	Augmented Triad (chromatic transposition)
A#1	"root + 5th"	Chord without third
B1	"5th 3x"	Chord in steps of fifths

"02 Chords (3)"

Like Matrix "01 Chords (8)", soprano voice on the third

“03 Chords (5)”

Like Matrix “01 Chords (8)”, soprano voice on the fifth

“04 Chords (7+8)”

Like Matrix “01 Chords (8)”, soprano voice on the octave or on the seventh (with all Seventh chords)

“05 Chords (8) Ext”

Like Matrix “01 Chords (8)”, partly based on alternative articulations in the X-Axis (if Extended Library content is available).

C6 Performance Trills
C#6 Performance Marcato
D6 Performance Spiccato (Strings) or Single Note Staccato (Winds)
D#6 Détaché long (Strings) or Portato medium (Winds)
E6 Sustain without vibrato
F6 Short Crescendos & Diminuendos (ca. 2 seconds), switch with A/B Switch
F#6 pfp (crescendo – diminuendo)
•G6 Performance Repetition Legato (except Appassionata Strings: pfp long)
G#6 Performance Repetition Portato (except Appassionata Strings: Performance sfz)
A6 Performance Repetition Harsh (Strings) or Staccato (Winds)
A#6 Harmonics (Strings except Appassionata Strings) or Flutter tongue (Winds)
B6 (Snap) Pizzicato (Strings) or Sforzatissimo (Winds)

“06 Chords (3) Ext”

Like Matrix “05 Chords (8) Ext”, soprano voice on the third

“07 Chords (5) Ext”

Like Matrix “05 Chords (8) Ext”, soprano voice on the fifth

“08 Chords (7+8) Ext”

Like Matrix “05 Chords (8) Ext”, soprano voice on the octave or on the seventh (with all seventh chords)

“11 Cho-rep (8)”

Available for all instrument groups with Chord Matrices.

Play range: C3–B5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

Y-Axis Controller (vertical): Keyswitches for a choice between different chord inversions and additional chords like diminished, augmented and ninth chords

With all variations, the soprano voice plays the root note; all sequences are based on a 16th-note repetition pattern chord.

C1	“ma3 root”	Triad, bass note on the root note
C#1	“ma3 inv1”	Triad, bass note on the third
D1	“ma3 inv2”	Triad, bass note on the fifth
D#1	“ma7 root”	Seventh chord, bass note as root
E1	“ma7 inv1”	Seventh chord, bass note on the third
F1	“ma7 inv2”	Seventh chord, bass note on the fifth
F#1	“ma7 inv3”	Seventh chord, bass note on the seventh
G1	“ma9”	Ninth chord
G#1	“dim7 chr”	Diminished Seventh chord (chromatic transposition)
A1	“augm chr”	Augmented Triad (chromatic transposition)
A#1	“root + 5th”	Chord without third
B1	“5th 3x”	Chord in steps of fifths

“12 Cho-rep (3)”

Like Matrix “11 Cho-rep (8)”, soprano voice on the third

“13 Cho-rep (5)”

Like Matrix “11 Cho-rep (8)”, soprano voice on the fifth

“14 Cho-rep (7+8)”

Like Matrix “11 Cho-rep (8)”, soprano voice on the octave or on the seventh (with all seventh chords)

“15 Cho-repDyn (8)”

Available for all instrument groups with Chord Matrices.

Play range: C3–B5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

Y-Axis Controller (vertical): Keyswitches for a choice between different chord inversions and additional chords like diminished, augmented and ninth chords

With all variations, the soprano voice plays the root note; all sequences are based on a 16th-note repetition pattern chord with dynamic changes, and contain eight 16ths from pp–ff and eight 16ths from ff–pp.

C1	“ma3 root”	Triad, bass note on the root note
C#1	“ma3 inv1”	Triad, bass note on the third
D1	“ma3 inv2”	Triad, bass note on the fifth
D#1	“ma7 root”	Seventh chord, bass note as root
E1	“ma7 inv1”	Seventh chord, bass note on the third
F1	“ma7 inv2”	Seventh chord, bass note on the fifth
F#1	“ma7 inv3”	Seventh chord, bass note on the seventh
G1	“ma9”	Ninth chord
G#1	“dim7 chr”	Diminished Seventh chord (chromatic transposition)
A1	“augm chr”	Augmented Triad (chromatic transposition)
A#1	“root + 5th”	Chord without third
B1	“5th 3x”	Chord in steps of fifths

“16 Cho-repDyn (3)”

Like Matrix “15 Cho-repDyn (8)”, soprano voice on the third

“17 Cho-repDyn (5)”

Like Matrix “15 Cho-repDyn (8)”, soprano voice on the fifth

“18 Cho-repDyn (7+8)”

Like Matrix “15 Cho-repDyn (8)”, soprano voice on the octave or on the seventh (with all seventh chords)

“21 Cho-Run key”

Available for all Instrument Groups with Chord Matrices.

Play range: C3–C5 (depending on the instrument group and played chord,some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The main part of the used Patches is based on Performance Fast Legatos, and Slurred Fast Legatos for most String ensembles.

Y-Axis Controller (vertical): Keyswitches for a choice between different runs upwards and downwards in different lengths and chord combinations. (Switches G#1–B1 are not available for the chord groups of Trumpets, Horns and Trombones due to the limited play range of these instrument groups).

C1	“up Octav”	Octave run upwards, chord in unison in octaves
C#1	“do Octav”	Octave run downwards, chord in unison in octaves
D1	“up Oc+Qi”	Octave run upwards, chord in fifths and octaves
D#1	“do Oc+Qi”	Octave run downwards, chord in fifths and octaves
E1	“up Ch-sh”	Fourth run, crossed voices: upper voices upwards, lower voices downwards
F1	“do Ch-sh”	Fourth run, crossed voices: upper voices downwards, lower voices upwards
F#1	“up Ch-me”	Octave run, crossed voices: upper voices upwards, lower voices downwards
G1	“do Ch-me”	Octave run, crossed voices: upper voices downwards, lower voices upwards
G#1	“up Ch-lo”	Run over 2 octaves, crossed voices: upper voices upwards, lower voices upwards and downwards
A1	“do Ch-lo”	Run over 2 octaves, crossed voices: upper voices downwards, lower voices downwards and upwards
A#1	“up solo”	Run over 4 octaves in unison, upwards with changing instrumentation
B1	“do solo”	Run over 4 octaves in unison, downwards with changing instrumentation

“22 Cho-Run whl”

Like Matrix “21 Cho-Run key”, based on whole-tone scales

“23 Cho-Run chr”

Like Matrix “21 Cho-Run key”, based on chromatic scales

“24 Cho-Run key Ext”

Like Matrix “21 Cho-Run key”, based on fast Marcato Performance Patches.

Attention: “Ext” Matrices are only available if the corresponding Instrument’s Extended Library is available, and only for instruments that contain marcato and/or spiccato Performance Patches.

“25 Cho-Run whl Ext”

Like Matrix “21 Cho-Run key”, based on fast Marcato Performance Patches and whole-tone scales.

“26 Cho-Run chr Ext”

Like Matrix “21 Cho-Run key”, based on fast Marcato Performance Patches and chromatic scales.

“31 Cho-Phr key”

Available for all instrument groups with Chord Matrices.

Play range: C3–C5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The main part of the Patches used is based on Performance Fast Legatos.

Y-Axis Controller (vertical): Keyswitches for a choice between different phrases, upwards and downwards in different chord combinations.

C1	“up Octav”	Incremental octave phrase upwards with repetition note, chord in unison, arranged in octaves
C#1	“do Octav”	Incremental octave phrase downwards with repetition note, chord in unison, arranged in octaves
D1	“up Oc+Ch”	Incremental octave phrase upwards with repetition note, arranged in triads
D#1	“do Oc+Ch”	Incremental octave phrase downwards with repetition note, arranged in triads
E1	“up Phr”	Phrase upwards, starting with repetition note, chord in unison, arranged in octaves
F1	“do Phr”	Phrase downwards, starting with repetition note, chord in unison, arranged in octaves
F#1	“up Octav”	Incremental octave phrase upwards with changed note (cambiata), chord in unison, arranged in octaves
G1	“do Octav”	Incremental octave phrase downwards with changed note (cambiata), chord in unison, arranged in octaves
G#1	“up Oc+Ch”	Incremental octave phrase upwards with changed note (cambiata), arranged in triads
A1	“do Oc+Ch”	Incremental octave phrase downwards with changed note (cambiata), arranged in triads
A#1	“up Phr”	Phrase upwards starting with changed note (cambiata), chord in unison, arranged in octaves
B1	“do Phr”	Phrase downwards with changed note (cambiata) downwards, chord in unison, arranged in octaves

“32 Cho-Phr whl”

Like Matrix “31 Cho-Phr key”, based on whole-tone scales.

“33 Cho-Phr chr”

Like Matrix “31 Cho-Phr key”, based on chromatic scales.

“34 Cho-Phr key Ext”

Like Matrix “31 Cho-Phr key”, based on fast Marcato Performance Patches.

Attention: “Ext” Matrices are only available if the corresponding Instrument’s Extended Library is available, and only for instruments that contain marcato and/or spiccato Performance Patches.

“35 Cho-Phr whl Ext”

Like Matrix “31 Cho-Phr key”, based on fast Marcato Performance Patches and whole-tone scales.

“36 Cho-Phr chr Ext”

Like Matrix “31 Cho-Phr key”, based on fast Marcato Performance Patches and chromatic scales.

“41 Cho-trem”

Finger tremolos available for all String and Woodwind groups with Chord Matrices and Performance Trill Patches. (Extended Library Content required!)

An APP Sequencer based Matrix with Host Tempo Sync NOT activated by default. Trill speed can be set directly in the APP sequencer’s “Sequence” tab.

Play range: C3–B5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations are assigned in the APP Sequencer (Cell Tab).

Y-Axis Controller (vertical): Keyswitches for a choice of different chord inversions and additional chords like diminished, augmented and ninth chords.

Pattern Matrices

Four variations, only available for Strings:

Theme 01a Leg
Theme 01b Marc
Theme 01c Walk
Theme 01d Arp

All four matrices are based on 2 bars of looped musical building blocks. These building blocks are designed as examples to show the possibilities of the APP Sequencer.

Make use of the different musical structures of this pattern also with different lengths: half a bar, a whole bar or 2 bars.

Play range: C3–B5 (depending on the Instrument Group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major Scale
Velocity 100–127: Minor Harmonic Scale

X-Axis Controller: Articulations are assigned in the APP Sequencer (Cell Tab).

Y-Axis Controller: Keyswitches to choose between different chord inversions.

Chord Presets

The Vienna Instruments PRO 2 Chord Presets are located in a folder above the original Single Instruments folder in the Preset Browser of the corresponding instrument group.

All Cells are saved in “disabled” status (without any loaded samples). To load your Presets with all cells automatically enabled, simply activate “Force Enabled ON/OFF” in the Settings menu.

Use Keyswitches to switch between Matrices. Alternatively, you can also use Program Changes or MIDI Control Changes.

Internal Reverb is activated!

Tuning Table: 12-tone

Assignment of the most essential controllers (pre-configured sliders in Basic View)

Master Volume	CC7
Velocity X-Fade	CC2
Velocity X-Fade ON/OFF switch	CC28
Dyn Range Scaler	CC30
Start Offset Scaler	CC21
Expression	CC11
Filter	CC24
Tuning	CC26 (scales Humanize Tuning Curves)
Reverb Dry/Wet	CC14
Reverb ON/OFF switch	CC15

Preset “Chords Std Set”

Contains the most important 11 Chord Matrices, based mostly on Standard Library Content.

C2	01 Chords (8)
C#2	02 Chords (3)
D2	03 Chords (5)
D#2	04 Chords (7+8)
E2	11 Cho-rep (8)
F2	12 Cho-rep (3)
F#2	13 Cho-rep (5)
G2	14 Cho-rep (7+8)
G#2	21 Cho-Run key
A2	22 Cho-Run whl
A#2	23 Cho-Run chr

Preset “Chords Full Set”

Contains all available Chord Matrices (except Phrase Matrices), therefore based on Full Library Content.
If you intend to use all matrices via Keyswitches, you will need a second keyboard for playing live!

C2 01 Chords (8)
C#2 02 Chords (3)
D2 03 Chords (5)
D#2 04 Chords (7+8)
E2 11 Cho-rep (8)
F2 12 Cho-rep (3)
F#2 13 Cho-rep (5)
G2 14 Cho-rep (7+8)
G#2 21 Cho-Run key
A2 22 Cho-Run whl
A#2 23 Cho-Run chr

C ~ 05 Chords (8) Ext
C# ~ 06 Chords (3) Ext
D ~ 07 Chords (5) Ext
D# ~ 08 Chords (7+8) Ext
E ~ 15 Cho-repDyn (8)
F ~ 16 Cho-repDyn (3)
F# ~ 17 Cho-repDyn (5)
G ~ 18 Cho-repDyn (7+8)
G# ~ 24 Cho-Run key Ext
A ~ 25 Cho-Run whl Ext
A# ~ 26 Cho-Run chr Ext

Pattern Preset Theme 01

Contains all four Pattern Matrices, only available for Strings.

C2 Theme 01a Leg
C#2 Theme 01b Marc
D2 Theme 01c Walk
D#2 Theme 01d Arp