

VIENNA SYMPHONIC LIBRARY



STRINGS I



VIENNA SYMPHONIC LIBRARY

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Introduction

Welcome to the Vienna Symphonic Library's series of Synchron Instruments! The instruments were recorded at Stage A, the main hall of Vienna's revitalized Synchron Stage Vienna. The recordings were executed using an expansive, phase-controlled multi-microphone set-up, capturing string ensembles played in a scoring stage with exceptional acoustics, now ready to be used in your studio.

This document will provide you with detailed mapping information for every instrument contained in our Library *Synchron Strings I*. For each instrument of this group, you will find mapping information giving details for every Patch, Matrix, and Preset.

Standard and Full Library

All the instruments were recorded using 13 microphones, subdivided into 8 sections. The Standard Library includes 4 of these sections (as well as a RAM-friendly Room Mix section composed of merged samples from the individual positions), allowing you to integrate instruments recorded with a stereo Decca tree into your projects using the Vienna Instruments and Vienna Instruments Pro players or our mixing hosts Vienna Ensemble and Vienna Ensemble Pro, while the Full Library expands your possibilities to 5.1 surround and Auro 3D 9.1, with the additional option of a microphone in the rear of the hall to expand your sound possibilities.

Microphone positions:

- | | |
|------------------|--|
| Standard Library | 00. Room Mix – Stereo |
| | 01. Close Mic – Mono |
| | 02. Mid Layer Mic – Stereo (L/R) |
| | 03. Main/Room Mic – Decca Tree Stereo (L/R) |
| | 04. Main/Room Mic – Decca Tree Mono (Center) |
| Full Library | 05. Back/Room Mic – Stereo (L/R) |
| | 06. Main Surround – Stereo (L/R) |
| | 07. High Stereo (3D) – Stereo (L/R) |
| | 08. High Surround (3D) – Stereo (L/R) |

The instrument Presets also include ready-made Room Mix Patches, Matrices and Presets comprising the Standard Library's 4 microphone positions. These are balanced in the stereo field to represent the respective instrument's position in the Synchron Stage set-up. To reduce the amount of RAM used, they contain merged samples, and are therefore very handy to achieve a full and balanced sound at little RAM cost.

Immersive Sound and Auro 3D

Auro 3D is an immersive audio technology that allows for three-dimensional sound perception. The Belgian company Auro Technologies developed this technology based on a special speaker configuration, adding four additional speakers to a 5.1 surround configuration. These speakers (so-called "Heights") are situated above the front and surround speakers and generate acoustic reflections that are perceived naturally due to the fact that sounds originate from around as well as from above the listener. Thanks to the comprehensive selection of discrete audio channels with the Full Library of *Synchron Strings I* you may mix your instruments in Auro 3D as well as in Dolby Atmos.

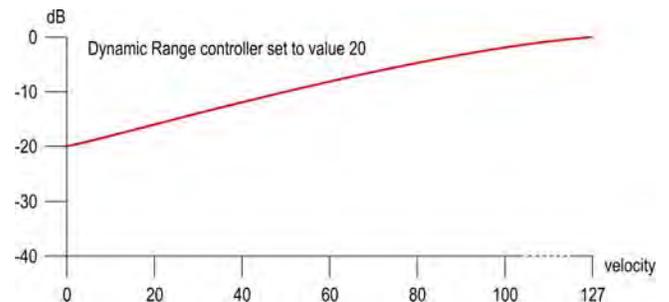
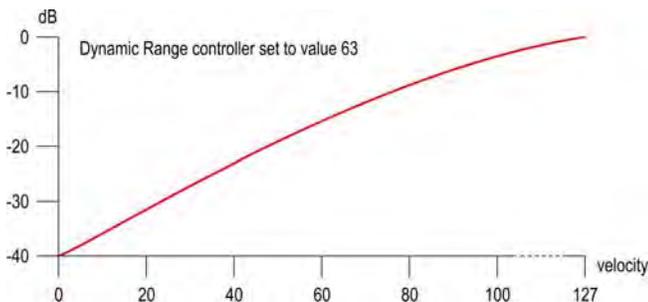
Recording and playing

Dynamic range

The relative volumes of your instruments can be adapted by using the Dynamic Range Scaler of the Vienna Instruments player. Its middle position at 63 corresponds with the instruments' actual dynamic behaviour. Setting it to values below 63 will lower the dynamic range and decrease the reduction of lower velocities, so that these will be played louder in comparison with higher ones. The maximum velocity of course remains unchanged.



Please note that if you increase the relative volume of low-level articulations in this way, the natural noise floor will also be increased especially with the room microphones!



The Recording Stage as an Instrument

Synchron Stage Vienna, located on the “Wiener Rosenhügel”, is large enough to accommodate a 130 piece orchestra and has proven to be a remarkable space, not only for film music recordings, but also for sampling sessions. During the 1960s, eminent classical artists such as Karl Böhm, Herbert von Karajan, Yehudi Menuhin, Sviatoslav Richter and Mstislav Rostropovich loved to use the outstanding acoustics of this former “Synchronhalle” for their now-legendary recordings.



The colossal room-in-room construction, built upon a massive concrete foundation, combined with sound insulation and a specially designed air conditioning system, results in a ridiculously low noise-floor of less than 16 dBA, even with the air conditioner running!

The main Stage A features a reverb time of 1.6 to 1.8 seconds, and in contrast to other scoring stages, there is no masking effect on the low frequencies. All instruments sound punchy and warm, while at the same time providing excellent localization, both in depth and in the stereo panorama. Especially at low and medium levels, the room itself becomes a marvelous instrument.

Mixing Presets

The Mixing Presets for *Synchron Strings I* provide an instant starting point for your mix, with dedicated channels for the multiple microphones we recorded at Synchron Stage.

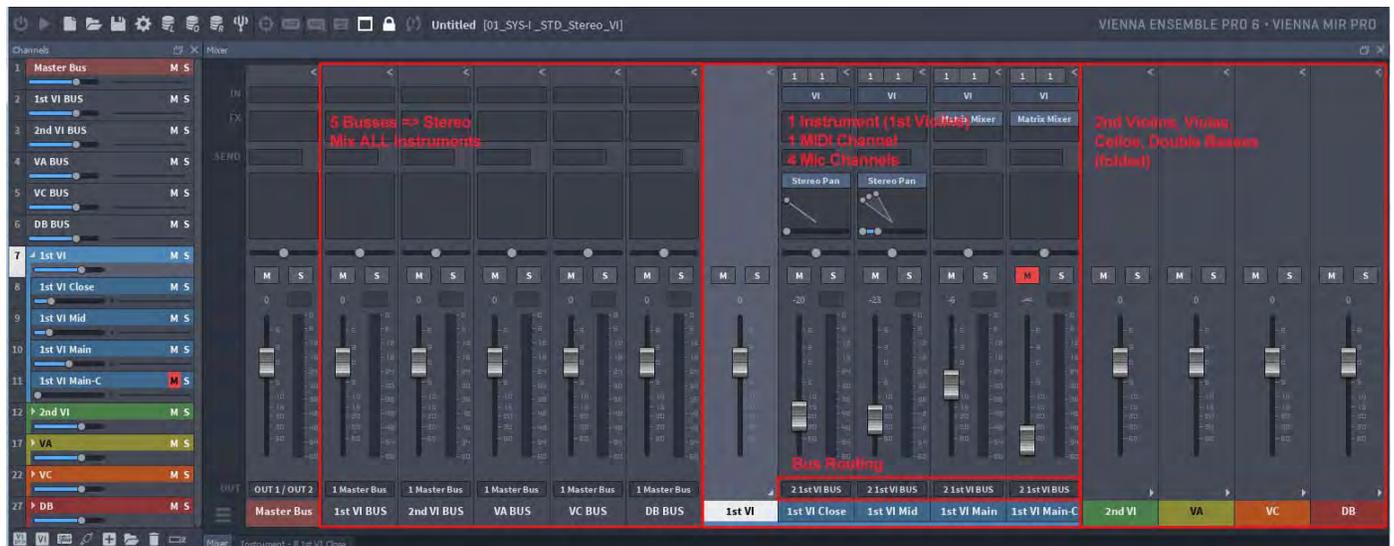
The natural dynamic behavior, stage positions and the balance between different articulations for each instrument were important factors for our decision to record all sounds of each instrument with a fixed gain.

The **placement** of all instruments is as shown above, in the actual recording situation at Synchron Stage.

Presets are designed to be adapted:

- Change volume levels as needed in your mix.
- The balance between Close microphone and Room Microphones is your most essential mixing option.
- Add your favourite plug-ins and mixing techniques to this multi-microphone setup.

Stereo Setup



STANDARD LIBRARY:

Close Microphone (Mono)

Mid-Distance Microphones (Stereo)

Main Microphones Decca Tree (Stereo)

Main Center Microphone Decca Tree (Mono)

Volume adjustment for one instrument:

To adjust the volume of all selected channels at once, select all channels and hold “Alt”, for more exact changes, hold “Alt” and “Shift”.

You can also activate the option to “Automatically edit selected channels as group” in the preferences of Vienna Ensemble / Pro.

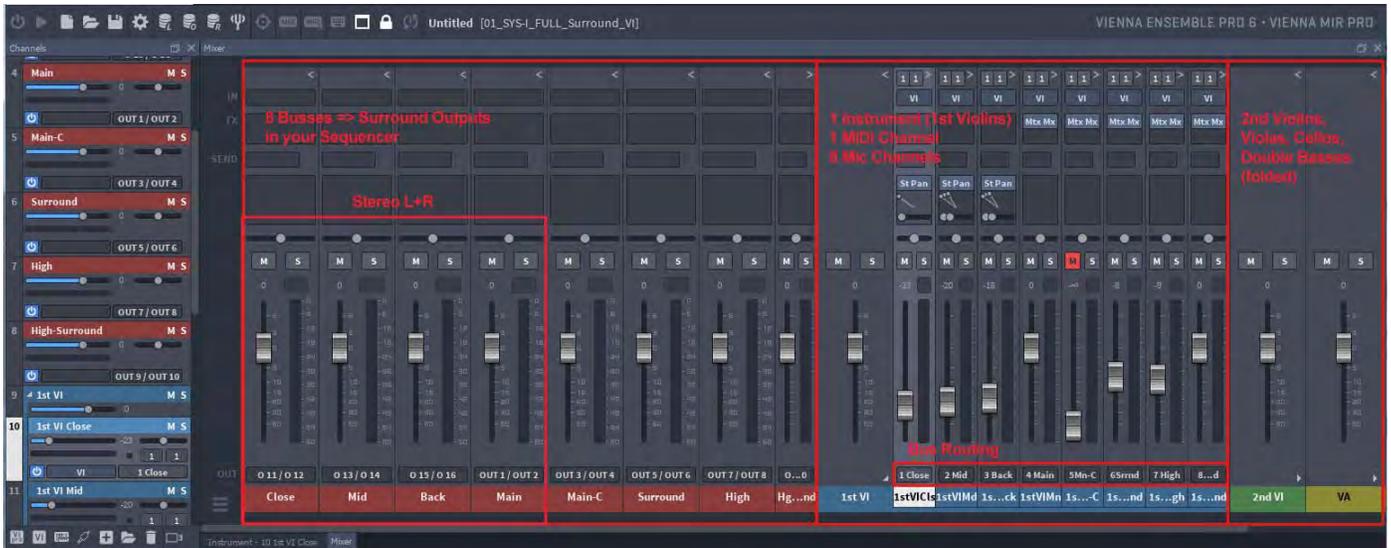
Panning:

Some pannings have been adjusted for ideal positioning, orange pannings indicate that Left and Right have been inverted. All channels with adjusted panning are wide channels, easy to find.

Microphone Busses:

All microphones are routed to Busses, so that you can easily change the levels for all instruments at once.

Surround Setup



Surround to Stereo Downmix Setup



FULL LIBRARY:

Close Microphone (Mono)	Back Microphone (Stereo)
Mid-Distance Microphones (Stereo)	Main Surround Microphones (Stereo)
Main Microphones Decca Tree (Stereo)	Auro 3D High Microphones (Stereo)
Main Center Microphone Decca Tree (Mono)	Auro 3D High Surround Microphones (Stereo)

All available microphones are routed to busses, so that you can change the microphone settings for all instruments in your instance at once.

The project files can also be loaded in Vienna Ensemble Pro, where you can take advantage of the Grouping feature and also get a better overview by using the folder structure available in Vienna Ensemble Pro. Simply drag and drop the projects into the Instance Bar in Vienna Ensemble Pro.

Patch information

The Patch information in this document includes articulation types, playing range, the number of samples used, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary.

Full / Soft / Medium / Loud

As the Patches of *Synchron Strings I* have up to 9 velocity layers, some of them can be quite large (especially the fast legato/performance trill Patches). To facilitate working with them and with an eye to users who cannot boast oodles of RAM, there are different “velocity groups” for every instrument:

- **Full** naturally gives you all velocities and full control, at the price of higher RAM usage.
- **Soft** contains the lower velocities, roughly from *ppp* to *mp*.
- **Med** contains velocities between *p* to *f*.
- **Loud** of course includes high velocities from *mf* to *ff*. **Soft** and **Loud** are complementary, so that together they would make **Full**.

Repetitions

For these recordings, we implemented a new method of organising repetitions, making Patches even more versatile than they were up to now. As a rule, Patches now contain 4 different starting notes which will be played alternately at lower speeds (to be exact, if the break between two notes is longer than 200 ms), and 6 “connected” repetitions for higher tempos. This means that you will not have to take care of switching to dedicated Performance or Fixed Repetition Patches to achieve the desired result since you have several means of expression comprised in a single Patch.

Velocity Crossfade

A high number of velocity layers is not the best basis for true velocity crossfading. Therefore, the Patches of *Synchron Strings I* have an adapted velocity crossfade algorithm. With activated Velocity Crossfade, you can define the Note-On velocity as usual; however, no crossfade will be triggered in the release if you continue to move the controller, and only the next Note-On will trigger the next sample according to the current controller value.

For better control in the Patches of the “Full” group, the second lowest and second highest velocity levels will be blanked out when the Velocity XF option is activated, thus increasing the target ranges of the other levels so that they are easier to control.

XFade Resource

In your Vienna Instruments player’s Patch section of every microphone position you will find an additional folder named “XFade Resource” which is not listed in this manual. The Patches contained in these folders were created specially to create *marcato* layers for long notes as well as crossfade options between lyric and no vibrato in Matrices, where they are added to the respective articulations, so that it does not really make sense to use them on their own.

AB switches

AB switching in *Synchron Strings I* only concerns release samples, where you can switch between long, i.e., normal release (A switch) and muted release (B switch). The latter can be very useful, for instance, to prevent blurring in fast runs or arpeggios. On the other hand, using long release in a slower legato phrase will make it sound even more authentic. Try this out if a certain passage doesn't sound convincing to you!

Please note that the double basses' AB switches are mapped to A0/A#0 (other instruments: A0/B0) since the lower range of the double basses extends to B0.

RAM usage

All Patches, Matrices and Presets also list RAM requirements for the *Vienna Instruments* player's default preload size. Since the listings are derived from the "close" microphone position which is in mono, the Patches' etc. stereo namesakes will take up double the amount of RAM. Don't be fazed by the numbers given by the description in your Vienna Instruments player's browser when you click on an entry, or those listed in this manual! Most computers and audio devices nowadays allow for a much lower preload size without producing glitches or dropouts, so the demand on RAM will probably be considerably lower.

The latest version of the Vienna Instruments player software features the option "Load with Disabled Cells", allowing you to open Matrices and Presets without any danger of overload, and then decide which Cells to activate. The Presets of *Synchron Strings I* are loaded with disabled Cells by default, provided your player is not set to "Force Enabled Cells" (see below).

Options for customizing VI's behaviour can be found in the Settings menu, where you also can select the options "Force Enabled Cells" and "Enable Cells on MIDI Activity", the latter being especially useful if you don't have too much RAM available and want to get the most out of it. For an in-depth discussion, please refer to the Vienna Instruments / Vienna Instruments Pro manuals.

Matrix and Preset information

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

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 section.

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. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes (VI: 101–112; 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. VI Pro also allows you to define a MIDI Controller for Preset keyswitching.

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.

000 Synchron Strings

Strings – Patches

Instrument mapping ranges:

Basses B0–B2

Cellos C2–B3

Violas C3–B4

2nd violins C4–B5

1st violins C5–G7

00 SY Strings/01 Close

Range: B0–G7

Close microphone position, mono

Short and very short notes

Sustained with legato variations, normal and soft

Sustained flautando, crescendo, diminuendo

Sforzato, fortepiano

Tremolo

Pizzicato normal and snap

All long note Patches with normal, lyric, and without vibrato

00F STR_S-Short_Close

Samples: 6084 RAM: 380 MB

Very short notes

Velocity 121–127: harsh

9 velocity layers

4+6 variations

01F STR_Short_Close

Samples: 6084 RAM: 380 MB

Short notes

Velocity 121–127: harsh

9 velocity layers

4+6 variations

02F STR_Long-Vib_Close

Samples: 4795 RAM: 299 MB

Sustained, legato repetitions, with vibrato

8 velocity layers

Release samples

4+6 variations

AB switch: release ringing/stopped

03F STR_Long-noV_Close

Samples: 4795 RAM: 299 MB

Sustained, legato repetitions, without vibrato

8 velocity layers

Release samples

4+6 variations

AB switch: release ringing/stopped

04F STR_Long-LyV_Close	Samples: 5311	RAM: 331 MB
Sustained, legato repetitions, lyric vibrato 5 velocity layers Release samples 4+6 variations AB switch: release ringing/stopped		
05F STR_flautando_Close	Samples: 532	RAM: 33 MB
Flautando Velocity 0–80 no vibrato, 81–127 vibrato 2 velocity layers Release samples 2 variations AB switch: release ringing/stopped		
06F STR_Lo-cre_Close	Samples: 988	RAM: 61 MB
Sustained, crescendo 6 velocity layers Release samples AB switch: release ringing/stopped		
07F STR_Lo-dim_Close	Samples: 988	RAM: 61 MB
Sustained, diminuendo 6 velocity layers Release samples AB switch: release ringing/stopped		
08F STR_Lo-soft-Vib_Close	Samples: 2016	RAM: 126 MB
Sustained, soft attack, with vibrato 7 velocity layers Release samples AB switch: release ringing/stopped		
09F STR_Lo-soft-noV_Close	Samples: 2016	RAM: 126 MB
Sustained, soft attack, without vibrato 7 velocity layers Release samples AB switch: release ringing/stopped		
10F STR_Lo-soft-LyV_Close	Samples: 1756	RAM: 109 MB
Sustained, soft attack, lyric vibrato 5 velocity layers Release samples AB switch: release ringing/stopped		
31F STR_sfz-Vib_Close	Samples: 2312	RAM: 144 MB
Sforzato, with vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		

32F STR_sfz-noV_Close	Samples: 2260	RAM: 141 MB
Sforzato, without vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
33F STR_sfz-LyV_Close	Samples: 2312	RAM: 144 MB
Sforzato, lyric vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
34F STR_fp-Vib_Close	Samples: 2681	RAM: 167 MB
Fortepiano, with vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
35F STR_fp-noV_Close	Samples: 2681	RAM: 167 MB
Fortepiano, without vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
36F STR_fp-LyV_Close	Samples: 2112	RAM: 132 MB
Fortepiano, lyric vibrato 3 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
41F STR_Trem_Close	Samples: 1278	RAM: 79 MB
Tremolo 5 velocity layers Release samples AB switch: release ringing/stopped		
42F STR_Trill_1_Close	Range: B0–F#7	Samples: 750
RAM: 46 MB Trills, minor second 5 velocity layers Release samples		
43F STR_Trill_2_Close	Range: B0–F7	Samples: 750
RAM: 46 MB Trills, major second 5 velocity layers Release samples		

51F STR_Pizz_Close**Samples: 3040 RAM: 190 MB**

Pizzicato
5 velocity layers
4+4 variations

52F STR_Pizz-snap_Close**Samples: 608 RAM: 38 MB**

Snap pizzicato
2 velocity layers
4+4 variations

Strings – Matrices**01F STR CLOSE****Samples: 31039 RAM: 1939 MB**

Short and very short notes, sustained with vibrato variations as well as soft attack; flautando, crescendo, diminuendo sforzato, fortepiano, tremolo, trills minor and major 2nd, pizzicato normal and snap
All long notes with marcato slot XF, vibrato/no vibrato XF, and lyric/no vibrato XF

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
V1 lyric vibrato	very short notes	long notes soft					flautando	long notes, short XF	sforzato	fortepiano	tremolo, short XF	pizzicato
V2 vibrato	very short notes	long notes soft					long notes cres	long notes, short XF	sforzato	fortepiano	trill min.2nd, short XF	pizzicato
V3 no vibrato	short notes	long notes soft					long notes cres	long notes, short XF	sforzato	fortepiano	trill min.2nd, short XF	pizzicato
V4 vib./no vib. XF	short notes	long notes soft					long notes dim	long notes	sforzato	fortepiano	trill maj.2nd, short XF	snap pizzicato
V5 lyric/no vib. XF	short notes	long notes soft					long notes dim	long notes	sforzato	fortepiano	trill maj.2nd, short XF	snap pizzicato

Strings – Presets**01 STR Preset CLOSE****Samples: 31039 RAM: 1939 MB**

Close microphone, mono.
Matrix: 01F STR CLOSE

1st Violins – Patches

01 SY 1st Violins-14/01 Close/A - FULL VELOCITIES

Range: G3–G7

Close microphone position, mono
 Short and very short notes
 Sustained with legato variations, normal and soft
 Sustained flautando, crescendo, diminuendo
 Legato normal, soft, fast, and slurred
 Sforzato, fortepiano
 Tremolo
 Pizzicato normal and snap
 All long note Patches with normal, lyric, and without vibrato

00F VI-14_S-Short_Close

Samples: 2436 RAM: 152 MB

Very short notes
 Velocity 121–127: harsh
 9 velocity layers: 0–10; 11–20; 21–40; 41–60; 61–80; 81–100; 101–110; 111–120; 121–127
 4+6 variations

01F VI-14_Short_Close

Samples: 2436 RAM: 152 MB

Short notes
 Velocity 121–127: harsh
 9 velocity layers
 4+6 variations

02F VI-14_Long-Vib_Close

Samples: 3016 RAM: 188 MB

Sustained, legato repetitions, with vibrato
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

03F VI-14_Long-noV_Close

Samples: 2964 RAM: 185 MB

Sustained, legato repetitions, without vibrato
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

04F VI-14_Long-LyV_Close

Samples: 1981 RAM: 123 MB

Sustained, legato repetitions, lyric vibrato
 5 velocity layers: 0–40; 41–60; 61–80; 81–100; 101–127
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

05F VI-14_flautando_Close	Samples: 203	RAM: 12 MB
<p>Flautando Velocity 0–80 no vibrato, 81–127 vibrato 2 velocity layers Release samples 2 variations AB switch: release ringing/stopped</p>		
06F VI-14_Lo-cre_Close	Samples: 377	RAM: 23 MB
<p>Sustained, crescendo 6 velocity layers: 0–20; 21–40; 41–60; 61–80; 81–100; 100–127 Release samples AB switch: release ringing/stopped</p>		
07F VI-14_Lo-dim_Close	Samples: 377	RAM: 23 MB
<p>Sustained, diminuendo 6 velocity layers: 0–20; 21–40; 41–60; 61–80; 81–100; 100–127 Release samples AB switch: release ringing/stopped</p>		
08F VI-14_Lo-soft-Vib_Close	Samples: 754	RAM: 47 MB
<p>Sustained, soft attack, with vibrato 7 velocity layers: 0–10; 11–20; 21–40; 41–60; 61–80; 81–100; 101–127 Release samples AB switch: release ringing/stopped</p>		
09F VI-14_Lo-soft-noV_Close	Samples: 754	RAM: 47 MB
<p>Sustained, soft attack, without vibrato 7 velocity layers Release samples AB switch: release ringing/stopped</p>		
10F VI-14_Lo-soft-LyV_Close	Samples: 676	RAM: 42 MB
<p>Sustained, soft attack, lyric vibrato 5 velocity layers: 0–40; 41–60; 61–80; 81–100; 101–127 Release samples AB switch: release ringing/stopped</p>		
11F VI-14_Legato-Vib_Close	Samples: 11336	RAM: 708 MB
<p>Legato, with vibrato Monophonic 8 velocity layers Release samples 4+6 variations AB switch: release ringing/stopped</p>		

12F VI-14_Legato-noV_Close**Samples: 11169 RAM: 698 MB**

Legato, without vibrato
 Monophonic
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

13F VI-14_Legato-LyV_Close**Samples: 7181 RAM: 448 MB**

Legato, lyric vibrato
 Monophonic
 5 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

14F VI-14_Leg-Soft-Vib_Close**Samples: 8643 RAM: 540 MB**

Legato, soft attack, with vibrato
 Monophonic
 7 velocity layers
 Release samples
 4+4 variations
 AB switch: release ringing/stopped

15F VI-14_Leg-Soft-noV_Close**Samples: 8643 RAM: 540 MB**

Legato, soft attack, without vibrato
 Monophonic
 7 velocity layers
 Release samples
 4+4 variations
 AB switch: release ringing/stopped

16F VI-14_Leg-Soft-LyV_Close**Samples: 6311 RAM: 394 MB**

Legato, soft attack, lyric vibrato
 Monophonic
 5 velocity layers
 Release samples
 4+4 variations
 AB switch: release ringing/stopped

17F VI-14_Leg-Fast-Vib_Close**Samples: 29736 RAM: 1858 MB**

Trills/fast legato, with vibrato
 Trills up to 4th, all other intervals legato
 Monophonic
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

18F VI-14_Leg-Fast-noV_Close**Samples: 29269 RAM: 1829 MB**

Trills/fast legato, without vibrato
 Trills up to 4th, all other intervals legato
 Monophonic
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

19F VI-14_Leg-Fast-LyV_Close**Samples: 18681 RAM: 1167 MB**

Trills/fast legato, lyric vibrato
 Trills up to 4th, all other intervals legato
 Monophonic
 5 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

21F VI-14_Leg-slur-Vib_Close**Samples: 11336 RAM: 708 MB**

Legato, slurred, with vibrato
 Monophonic
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

22F VI-14_Leg-slur-noV_Close**Samples: 11210 RAM: 700 MB**

Legato, slurred, without vibrato
 Monophonic
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

23F VI-14_Leg-slur-LyV_Close**Samples: 7181 RAM: 448 MB**

Legato, slurred, lyric vibrato
 Monophonic
 5 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

31F VI-14_sfz-Vib_Close**Samples: 972 RAM: 60 MB**

Sforzato, with vibrato
 4 velocity layers: 0–60; 61–80; 81–100; 101–127
 Release samples
 4 variations
 AB switch: release ringing/stopped

32F VI-14_sfz-noV_Close	Samples: 892	RAM: 55 MB
Sforzato, without vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
33F VI-14_sfz-LyV_Close	Samples: 968	RAM: 60 MB
Sforzato, lyric vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
34F VI-14_fp-Vib_Close	Samples: 1044	RAM: 65 MB
Fortepiano, with vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
35F VI-14_fp-noV_Close	Samples: 1044	RAM: 65 MB
Fortepiano, without vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
36F VI-14_fp-LyV_Close	Samples: 783	RAM: 48 MB
Fortepiano, lyric vibrato 3 velocity layers: 0–60; 61–100; 101–127 Release samples 4 variations AB switch: release ringing/stopped		
41F VI-14_Trem_Close	Samples: 513	RAM: 32 MB
Tremolo 5 velocity layers: 0–20; 21–60; 61–80; 81–110; 111–127 Release samples AB switch: release ringing/stopped		
42F VI-14_Trill_1_Close	Range: G3–F#7	Samples: 280
RAM: 17 MB Trills, minor second 5 velocity layers Release samples		
43F VI-14_Trill_2_Close	Range: G3–F7	Samples: 280
RAM: 17 MB Trills, major second 5 velocity layers Release samples		

51F VI-14_Pizz_Close**Samples: 1160 RAM: 72 MB**

Pizzicato
5 velocity layers
4+4 variations

52F VI-14_Pizz-snap_Close**Samples: 232 RAM: 14 MB**

Snap pizzicato
2 velocity layers: 0–80; 81–127
4+4 variations

1st Violins – Matrices**01 1st Violins/01 FULL Dynamic****01F VI-14 CLOSE****Samples: 51277 RAM: 3204 MB**

Short and very short notes, sustained with vibrato variations as well as soft attack; legato with soft attack, normal, fast, and slurred; flautando, crescendo, diminuendo sforzato, fortepiano, tremolo, trills minor and major 2nd, pizzicato normal and snap

All long notes with marcato slot XF, vibrato/no vibrato XF, and lyric/no vibrato XF

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
V1 lyric vibrato	very short notes	long notes soft	legato soft	legato, short XF	legato fast, short XF	legato slur, short XF	flautando	long notes, short XF	sforzato	fortepiano	tremolo, short XF	pizzicato
V2 vibrato	very short notes	long notes soft	legato soft	legato	legato fast, short XF	legato slur, short XF	long notes cres	long notes, short XF	sforzato	fortepiano	trill min.2nd, short XF	pizzicato
V3 no vibrato	short notes	long notes soft	legato soft	legato, short XF	legato fast, short XF	legato slur, short XF	long notes cres	long notes, short XF	sforzato	fortepiano	trill min.2nd, short XF	pizzicato
V4 vib./no vib. XF	short notes	long notes soft	legato soft	legato	legato fast	legato slur	long notes dim	long notes	sforzato	fortepiano	trill maj.2nd, short XF	snap pizzicato
V5 lyric/no vib. XF	short notes	long notes soft	legato soft	legato	legato fast	legato slur	long notes dim	long notes	sforzato	fortepiano	trill maj.2nd, short XF	snap pizzicato

1st Violins – Presets**01 VI-14 Preset CLOSE****Samples: 51277 RAM: 3204 MB**

Close microphone, mono. Matrices:
01F VI-14 CLOSE
01S VI-14 CLOSE
01M VI-14 CLOSE
01L VI-14 CLOSE
Matrix keyswitches: C2–D#2

2nd Violins – Patches

02 SY 2nd Violins-10/01 Close/A - FULL VELOCITIES

Range: G3–E7

Close microphone position, mono
 Short and very short notes
 Sustained with legato variations, normal and soft
 Sustained flautando, crescendo, diminuendo
 Sforzato, fortepiano
 Tremolo
 Pizzicato normal and snap
 All long note Patches with normal, lyric, and without vibrato

00F VI-10_S-Short_Close

Samples: 2268 RAM: 141 MB

Very short notes
 Velocity 121–127: harsh
 9 velocity layers: 0–10; 11–20; 21–40; 41–60; 61–80; 81–100; 101–110; 111–120; 121–127
 4+6 variations

01F VI-10_Short_Close

Samples: 2268 RAM: 141 MB

Short notes
 Velocity 121–127: harsh
 9 velocity layers
 4+6 variations

02F VI-10_Long-Vib_Close

Samples: 2808 RAM: 175 MB

Sustained, legato repetitions, with vibrato
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

03F VI-10_Long-noV_Close

Samples: 2808 RAM: 175 MB

Sustained, legato repetitions, without vibrato
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

04F VI-10_Long-LyV_Close

Samples: 1801 RAM: 112 MB

Sustained, legato repetitions, lyric vibrato
 5 velocity layers: 0–40; 41–60; 61–80; 81–100; 101–127
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

05F VI-10_flautando_Close	Samples: 189	RAM: 11 MB
<p>Flautando Velocity 0–80 no vibrato, 81–127 vibrato 2 velocity layers Release samples 2 variations AB switch: release ringing/stopped</p>		
06F VI-10_Lo-cre_Close	Samples: 351	RAM: 21 MB
<p>Sustained, crescendo 6 velocity layers: 0–20; 21–40; 41–60; 61–80; 81–100; 100–127 Release samples AB switch: release ringing/stopped</p>		
07F VI-10_Lo-dim_Close	Samples: 351	RAM: 21 MB
<p>Sustained, diminuendo 6 velocity layers: 0–20; 21–40; 41–60; 61–80; 81–100; 100–127 Release samples AB switch: release ringing/stopped</p>		
08F VI-10_Lo-soft-Vib_Close	Samples: 702	RAM: 43 MB
<p>Sustained, soft attack, with vibrato 7 velocity layers: 0–10; 11–20; 21–40; 41–60; 61–80; 81–100; 101–127 Release samples AB switch: release ringing/stopped</p>		
09F VI-10_Lo-soft-noV_Close	Samples: 702	RAM: 43 MB
<p>Sustained, soft attack, without vibrato 7 velocity layers Release samples AB switch: release ringing/stopped</p>		
10F VI-10_Lo-soft-LyV_Close	Samples: 586	RAM: 36 MB
<p>Sustained, soft attack, lyric vibrato 5 velocity layers: 0–40; 41–60; 61–80; 81–100; 101–127 Release samples AB switch: release ringing/stopped</p>		
31F VI-10_sfz-Vib_Close	Samples: 756	RAM: 47 MB
<p>Sforzato, with vibrato 4 velocity layers: 0–60; 61–80; 81–100; 101–127 Release samples 4 variations AB switch: release ringing/stopped</p>		
32F VI-10_sfz-noV_Close	Samples: 756	RAM: 47 MB
<p>Sforzato, without vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped</p>		

33F VI-10_sfz-LyV_Close		Samples: 756	RAM: 47 MB
Sforzato, lyric vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped			
34F VI-10_fp-Vib_Close		Samples: 972	RAM: 60 MB
Fortepiano, with vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped			
35F VI-10_fp-noV_Close		Samples: 972	RAM: 60 MB
Fortepiano, without vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped			
36F VI-10_fp-LyV_Close		Samples: 729	RAM: 45 MB
Fortepiano, lyric vibrato 3 velocity layers: 0–60; 61–100; 101–127 Release samples 4 variations AB switch: release ringing/stopped			
41F VI-10_Trem_Close		Samples: 567	RAM: 35 MB
Tremolo 5 velocity layers: 0–20; 21–60; 61–80; 81–110; 111–127 Release samples AB switch: release ringing/stopped			
42F VI-10_Trill_1_Close	Range: G3–D#7	Samples: 260	RAM: 16 MB
Trills, minor second 5 velocity layers Release samples			
43F VI-10_Trill_2_Close	Range: G3–D7	Samples: 260	RAM: 16 MB
Trills, major second 5 velocity layers Release samples			
51F VI-10_Pizz_Close		Samples: 1080	RAM: 67 MB
Pizzicato 5 velocity layers 4+4 variations			

52F VI-10_Pizz-snap_Close**Samples: 216 RAM: 13 MB**

Snap pizzicato
 2 velocity layers: 0–80; 81–127
 4+4 variations

2nd Violins – Matrices**02 2nd Violins/01 FULL Dynamic****01F VI-10 CLOSE****Samples: 11389 RAM: 711 MB**

Short and very short notes, sustained with vibrato variations as well as soft attack; flautando, crescendo, diminuendo sforzato, fortepiano, tremolo, trills minor and major 2nd, pizzicato normal and snap
 All long notes with marcato slot XF, vibrato/no vibrato XF, and lyric/no vibrato XF

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
V1 lyric vibrato	very short notes	long notes soft					flautando	long notes, short XF	sforzato	fortepiano	tremolo, short XF	pizzicato
V2 vibrato	very short notes	long notes soft					long notes cres	long notes, short XF	sforzato	fortepiano	trill min.2nd, short XF	pizzicato
V3 no vibrato	short notes	long notes soft					long notes cres	long notes, short XF	sforzato	fortepiano	trill min.2nd, short XF	pizzicato
V4 vib./no vib. XF	short notes	long notes soft					long notes dim	long notes	sforzato	fortepiano	trill maj.2nd, short XF	snap pizzicato
V5 lyric/no vib. XF	short notes	long notes soft					long notes dim	long notes	sforzato	fortepiano	trill maj.2nd, short XF	snap pizzicato

2nd Violins – Presets**01 VI-10 Preset CLOSE****Samples: 11389 RAM: 711 MB**

Close microphone, mono. Matrices:

01F VI-10 CLOSE

01S VI-10 CLOSE

01M VI-10 CLOSE

01L VI-10 CLOSE

Matrix keyswitches: C2–D#2

Violas – Patches

03 SY Violas-8/01 Close/A - FULL VELOCITIES

Range: C3–E6

Close microphone position, mono
 Short and very short notes
 Sustained with legato variations, normal and soft
 Sustained flautando, crescendo, diminuendo
 Sforzato, fortepiano
 Tremolo
 Pizzicato normal and snap
 All long note Patches with normal, lyric, and without vibrato

00F VA-8_S-Short_Close

Samples: 2016 RAM: 126 MB

Very short notes
 Velocity 121–127: harsh
 9 velocity layers: 0–10; 11–20; 21–40; 41–60; 61–80; 81–100; 101–110; 111–120; 121–127
 4+6 variations

01F VA-8_Short_Close

Samples: 2016 RAM: 126 MB

Short notes
 Velocity 121–127: harsh
 9 velocity layers
 4+6 variations

02F VA-8_Long-Vib_Close

Samples: 2496 RAM: 156 MB

Sustained, legato repetitions, with vibrato
 8 velocity layers: 0–10; 11–20; 21–40; 41–60; 61–80; 81–100; 101–110; 111–127
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

03F VA-8_Long-noV_Close

Samples: 2496 RAM: 156 MB

Sustained, legato repetitions, without vibrato
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

04F VA-8_Long-LyV_Close

Samples: 1602 RAM: 100 MB

Sustained, legato repetitions, lyric vibrato
 5 velocity layers: 0–40; 41–60; 61–80; 81–100; 101–127
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

05F VA-8_flautando_Close	Samples: 189	RAM: 11 MB
Flautando Velocity 0–80 no vibrato, 81–127 vibrato 2 velocity layers Release samples 2 variations AB switch: release ringing/stopped		
06F VA-8_Lo-cre_Close	Samples: 312	RAM: 19 MB
Sustained, crescendo 6 velocity layers: 0–20; 21–40; 41–60; 61–80; 81–100; 100–127 Release samples AB switch: release ringing/stopped		
07F VA-8_Lo-dim_Close	Samples: 312	RAM: 19 MB
Sustained, diminuendo 6 velocity layers Release samples AB switch: release ringing/stopped		
08F VA-8_Lo-soft-Vib_Close	Samples: 624	RAM: 39 MB
Sustained, soft attack, with vibrato 7 velocity layers: 0–10; 11–20; 21–40; 41–60; 61–80; 81–100; 101–127 Release samples AB switch: release ringing/stopped		
09F VA-8_Lo-soft-noV_Close	Samples: 624	RAM: 39 MB
Sustained, soft attack, without vibrato 7 velocity layers Release samples AB switch: release ringing/stopped		
10F VA-8_Lo-soft-LyV_Close	Samples: 522	RAM: 32 MB
Sustained, soft attack, lyric vibrato 5 velocity layers: 0–40; 41–60; 61–80; 81–100; 101–127 Release samples AB switch: release ringing/stopped		
31F VA-8_sfz-Vib_Close	Samples: 672	RAM: 42 MB
Sforzato, with vibrato 4 velocity layers: 0–60; 61–80; 81–100; 101–127 Release samples 4 variations AB switch: release ringing/stopped		
32F VA-8_sfz-noV_Close	Samples: 672	RAM: 42 MB
Sforzato, without vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		

33F VA-8_sfz-LyV_Close		Samples: 672	RAM: 42 MB
Sforzato, lyric vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped			
34F VA-8_fp-Vib_Close		Samples: 864	RAM: 54 MB
Fortepiano, with vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped			
35F VA-8_fp-noV_Close		Samples: 864	RAM: 54 MB
Fortepiano, without vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped			
36F VA-8_fp-LyV_Close		Samples: 648	RAM: 40 MB
Fortepiano, lyric vibrato 3 velocity layers: 0–60; 61–100; 101–127 Release samples 4 variations AB switch: release ringing/stopped			
41F VA-8_Trem_Close		Samples: 408	RAM: 25 MB
Tremolo 5 velocity layers: 0–20; 21–60; 61–80; 81–110; 111–127 Release samples AB switch: release ringing/stopped			
42F VA-8_Trill_1_Close	Range: C3–D#6	Samples: 230	RAM: 14 MB
Trills, minor second 5 velocity layers Release samples			
43F VA-8_Trill_2_Close	Range: C3–D6	Samples: 230	RAM: 14 MB
Trills, major second 5 velocity layers Release samples			
51F VA-8_Pizz_Close		Samples: 960	RAM: 60 MB
Pizzicato 5 velocity layers 4+4 variations			

52F VA-8_Pizz-snap_Close**Samples: 192 RAM: 12 MB**

Snap pizzicato
 2 velocity layers: 0–80; 81–127
 4+4 variations

Violas – Matrices**03 Violas/01 FULL Dynamic****01F VA-8 CLOSE****Samples: 10218 RAM: 638 MB**

Short and very short notes, sustained with vibrato variations as well as soft attack; flautando, crescendo, diminuendo sforzato, fortepiano, tremolo, trills minor and major 2nd, pizzicato normal and snap
 All long notes with marcato slot XF, vibrato/no vibrato XF, and lyric/no vibrato XF

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
V1 lyric vibrato	very short notes	long notes soft					flautando	long notes, short XF	sforzato	fortepiano	tremolo, short XF	pizzicato
V2 vibrato	very short notes	long notes soft					long notes cres	long notes, short XF	sforzato	fortepiano	trill min.2nd, short XF	pizzicato
V3 no vibrato	short notes	long notes soft					long notes cres	long notes, short XF	sforzato	fortepiano	trill min.2nd, short XF	pizzicato
V4 vib./no vib. XF	short notes	long notes soft					long notes dim	long notes	sforzato	fortepiano	trill maj.2nd, short XF	snap pizzicato
V5 lyric/no vib. XF	short notes	long notes soft					long notes dim	long notes	sforzato	fortepiano	trill maj.2nd, short XF	snap pizzicato

Violas – Presets**01 VA-8 Preset CLOSE****Samples: 10218 RAM: 638 MB**

Close microphone, mono. Matrices:

01F VA-8 CLOSE

01S VA-8 CLOSE

01M VA-8 CLOSE

01L VA-8 CLOSE

Matrix keyswitches: C2–D#2

Cellos – Patches

04 SY Cellos-8/01 Close/A - FULL VELOCITIES

Range: C2–A5

Close microphone position, mono
 Short and very short notes
 Sustained with legato variations, normal and soft
 Sustained flautando, crescendo, diminuendo
 Legato normal, soft, fast, and slurred
 Sforzato, fortepiano
 Tremolo
 Pizzicato normal and snap
 All long note Patches with normal, lyric, and without vibrato

00F VC-8_S-Short_Close

Samples: 2268 RAM: 141 MB

Very short notes
 Velocity 121–127: harsh
 9 velocity layers: 0–10; 11–20; 21–40; 41–60; 61–80; 81–100; 101–110; 111–120; 121–127
 4+6 variations

01F VC-8_Short_Close

Samples: 2268 RAM: 141 MB

Short notes
 Velocity 121–127: harsh
 9 velocity layers
 4+6 variations

02F VC-8_Long-Vib_Close

Samples: 2960 RAM: 185 MB

Sustained, legato repetitions, with vibrato
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

03F VC-8_Long-noV_Close

Samples: 2960 RAM: 185 MB

Sustained, legato repetitions, without vibrato
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

04F VC-8_Long-LyV_Close

Samples: 1873 RAM: 117 MB

Sustained, legato repetitions, lyric vibrato
 5 velocity layers: 0–40; 41–60; 61–80; 81–100; 101–127
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

05F VC-8_flautando_Close	Samples: 189	RAM: 11 MB
Flautando Velocity 0–80 no vibrato, 81–127 vibrato 2 velocity layers Release samples 2 variations AB switch: release ringing/stopped		
06F VC-8_Lo-cre_Close	Samples: 351	RAM: 21 MB
Sustained, crescendo 6 velocity layers Release samples AB switch: release ringing/stopped		
07F VC-8_Lo-dim_Close	Samples: 351	RAM: 21 MB
Sustained, diminuendo 6 velocity layers Release samples AB switch: release ringing/stopped		
08F VC-8_Lo-soft-Vib_Close	Samples: 835	RAM: 52 MB
Sustained, soft attack, with vibrato 7 velocity layers: 0–10; 11–20; 21–40; 41–60; 61–80; 81–100; 101–127 Release samples AB switch: release ringing/stopped		
09F VC-8_Lo-soft-noV_Close	Samples: 835	RAM: 52 MB
Sustained, soft attack, without vibrato 7 velocity layers Release samples AB switch: release ringing/stopped		
10F VC-8_Lo-soft-LyV_Close	Samples: 658	RAM: 41 MB
Sustained, soft attack, lyric vibrato 5 velocity layers: 0–40; 41–60; 61–80; 81–100; 101–127 Release samples AB switch: release ringing/stopped		
11F VC-8_Legato-Vib_Close	Samples: 10696	RAM: 668 MB
Legato, with vibrato Monophonic 8 velocity layers Release samples 4+6 variations AB switch: release ringing/stopped		

12F VC-8_Legato-noV_Close**Samples: 10696 RAM: 668 MB**

Legato, without vibrato
 Monophonic
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

13F VC-8_Legato-LyV_Close**Samples: 6708 RAM: 419 MB**

Legato, lyric vibrato
 Monophonic
 5 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

14F VC-8_Leg-Soft-Vib_Close**Samples: 8171 RAM: 510 MB**

Legato, soft attack, with vibrato
 Monophonic
 7 velocity layers
 Release samples
 4+4 variations
 AB switch: release ringing/stopped

15F VC-8_Leg-Soft-noV_Close**Samples: 8171 RAM: 510 MB**

Legato, soft attack, without vibrato
 Monophonic
 7 velocity layers
 Release samples
 4+4 variations
 AB switch: release ringing/stopped

16F VC-8_Leg-Soft-LyV_Close**Samples: 5898 RAM: 368 MB**

Legato, soft attack, lyric vibrato
 Monophonic
 5 velocity layers
 Release samples
 4+4 variations
 AB switch: release ringing/stopped

17F VC-8_Leg-Fast-Vib_Close**Samples: 24616 RAM: 1538 MB**

Trills/fast legato, with vibrato
 Trills up to major 3rd, all other intervals legato
 Monophonic
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

18F VC-8_Leg-Fast-noV_Close**Samples: 24616 RAM: 1538 MB**

Trills/fast legato, without vibrato
 Trills up to major 3rd, all other intervals legato
 Monophonic
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

19F VC-8_Leg-Fast-LyV_Close**Samples: 15408 RAM: 963 MB**

Trills/fast legato, lyric vibrato
 Trills up to major 3rd, all other intervals legato
 Monophonic
 5 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

21F VC-8_Leg-slur-Vib_Close**Samples: 10696 RAM: 668 MB**

Legato, slurred, with vibrato
 Monophonic
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

22F VC-8_Leg-slur-noV_Close**Samples: 10696 RAM: 668 MB**

Legato, slurred, without vibrato
 Monophonic
 8 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

23F VC-8_Leg-slur-LyV_Close**Samples: 6708 RAM: 419 MB**

Legato, slurred, lyric vibrato
 Monophonic
 5 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

31F VC-8_sfz-Vib_Close**Samples: 908 RAM: 56 MB**

Sforzato, with vibrato
 4 velocity layers: 0–60; 61–80; 81–100; 101–127
 Release samples
 4 variations
 AB switch: release ringing/stopped

32F VC-8_sfz-noV_Close	Samples: 908	RAM: 56 MB
Sforzato, without vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
33F VC-8_sfz-LyV_Close	Samples: 908	RAM: 56 MB
Sforzato, lyric vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
34F VC-8_fp-Vib_Close	Samples: 1124	RAM: 70 MB
Fortepiano, with vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
35F VC-8_fp-noV_Close	Samples: 1124	RAM: 70 MB
Fortepiano, without vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
36F VC-8_fp-LyV_Close	Samples: 843	RAM: 52 MB
Fortepiano, lyric vibrato 3 velocity layers: 0–60; 61–100; 101–127 Release samples 4 variations AB switch: release ringing/stopped		
41F VC-8_Trem_Close	Samples: 500	RAM: 31 MB
Tremolo 5 velocity layers: 0–20; 21–60; 61–80; 81–110; 111–127 Release samples AB switch: release ringing/stopped		
42F VC-8_Trill_1_Close	Range: C2–G#5	Samples: 260
RAM: 16 MB Trills, minor second 5 velocity layers Release samples		
43F VC-8_Trill_2_Close	Range: C2–G5	Samples: 260
RAM: 16 MB Trills, major second 5 velocity layers Release samples		

51F VC-8_Pizz_Close**Samples: 1080 RAM: 67 MB**

Pizzicato
5 velocity layers
4+4 variations

52F VC-8_Pizz-snap_Close**Samples: 216 RAM: 13 MB**

Snap pizzicato
2 velocity layers: 0–80; 81–127
4+4 variations

Cellos – Matrices**04 Cellos/01 FULL Dynamic****01F VC-8 CLOSE****Samples: 43878 RAM: 2742 MB**

Short and very short notes, sustained with vibrato variations as well as soft attack; legato with soft attack, normal, fast, and slurred; flautando, crescendo, diminuendo sforzato, fortepiano, tremolo, trills minor and major 2nd, pizzicato normal and snap

All long notes with marcato slot XF, vibrato/no vibrato XF, and lyric/no vibrato XF

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
V1 lyric vibrato	very short notes	long notes soft	legato soft	legato, short XF	legato fast, short XF	legato slur, short XF	flautando	long notes, short XF	sforzato	fortepiano	tremolo, short XF	pizzicato
V2 vibrato	very short notes	long notes soft	legato soft	legato	legato fast, short XF	legato slur, short XF	long notes cres	long notes, short XF	sforzato	fortepiano	trill min.2nd, short XF	pizzicato
V3 no vibrato	short notes	long notes soft	legato soft	legato, short XF	legato fast, short XF	legato slur, short XF	long notes cres	long notes, short XF	sforzato	fortepiano	trill min.2nd, short XF	pizzicato
V4 vib./no vib. XF	short notes	long notes soft	legato soft	legato	legato fast	legato slur	long notes dim	long notes	sforzato	fortepiano	trill maj.2nd, short XF	snap pizzicato
V5 lyric/no vib. XF	short notes	long notes soft	legato soft	legato	legato fast	legato slur	long notes dim	long notes	sforzato	fortepiano	trill maj.2nd, short XF	snap pizzicato

Cellos – Presets**01 VC-8 Preset CLOSE****Samples: 43878 RAM: 2742 MB**

Close microphone, mono. Matrices:

01F VI-14 CLOSE

01S VI-14 CLOSE

01M VI-14 CLOSE

01L VI-14 CLOSE

Matrix keyswitches: C6–D#6

Basses – Patches

05 SY Bases-6/01 Close/A - FULL VELOCITIES

Range: B0–D4

Close microphone position, mono
 Short and very short notes
 Sustained with legato variations, normal and soft
 Sustained flautando, crescendo, diminuendo
 Sforzato, fortepiano
 Tremolo
 Pizzicato normal and snap
 All long note Patches with and without vibrato

00F DB-6_S-Short_Close

Samples: 1536 RAM: 96 MB

Very short notes
 Velocity 121–127: harsh
 7 velocity layers: 0–20; 21–40; 41–60; 61–80; 81–100; 101–120; 121–127
 4+6 variations

01F DB-6_Short_Close

Samples: 1536 RAM: 96 MB

Short notes
 Velocity 121–127: harsh
 7 velocity layers
 4+6 variations

02F DB-6_Long-Vib_Close

Samples: 1872 RAM: 117 MB

Sustained, legato repetitions, with vibrato
 6 velocity layers: 0–20; 21–40; 41–60; 61–80; 81–100; 101–127
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

03F DB-6_Long-noV_Close

Samples: 1872 RAM: 117 MB

Sustained, legato repetitions, without vibrato
 6 velocity layers
 Release samples
 4+6 variations
 AB switch: release ringing/stopped

05F DB-6_flautando_Close

Samples: 168 RAM: 10 MB

Flautando
 Velocity 0–80 no vibrato, 81–127 vibrato
 2 velocity layers
 Release samples
 2 variations
 AB switch: release ringing/stopped

06F DB-6_Lo-cre_Close	Samples: 312	RAM: 19 MB
Sustained, crescendo 6 velocity layers: 0–20; 21–40; 41–60; 61–80; 81–100; 100–127 Release samples AB switch: release ringing/stopped		
07F DB-6_Lo-dim_Close	Samples: 312	RAM: 19 MB
Sustained, diminuendo 6 velocity layers Release samples AB switch: release ringing/stopped		
08F DB-6_Lo-soft-Vib_Close	Samples: 576	RAM: 36 MB
Sustained, soft attack, with vibrato 6 velocity layers Release samples AB switch: release ringing/stopped		
09F DB-6_Lo-soft-noV_Close	Samples: 576	RAM: 36 MB
Sustained, soft attack, without vibrato 6 velocity layers Release samples AB switch: release ringing/stopped		
31F DB-6_sfz-Vib_Close	Samples: 672	RAM: 42 MB
Sforzato, with vibrato 4 velocity layers: 0–60; 61–80; 81–100; 101–127 Release samples 4 variations AB switch: release ringing/stopped		
32F DB-6_sfz-noV_Close	Samples: 672	RAM: 42 MB
Sforzato, without vibrato 4 velocity layers Release samples 4 variations AB switch: release ringing/stopped		
34F DB-6_fp-Vib_Close	Samples: 648	RAM: 40 MB
Fortepiano, with vibrato 3 velocity layers: 0–60; 61–100; 101–127 Release samples 4 variations AB switch: release ringing/stopped		
35F DB-6_fp-noV_Close	Samples: 648	RAM: 40 MB
Fortepiano, without vibrato 3 velocity layers Release samples 4 variations AB switch: release ringing/stopped		

41F DB-6_Trem_Close	Samples: 240	RAM: 15 MB	
Tremolo 5 velocity layers: 0–20; 21–60; 61–80; 81–110; 111–127 Release samples			
42F DB-6_Trill_1_Close	Range: B0–C#4	Samples: 230	RAM: 14 MB
Trills, minor second 5 velocity layers Release samples			
43F DB-6_Trill_2_Close	Range: B0–C4	Samples: 230	RAM: 14 MB
Trills, major second 5 velocity layers Release samples			
51F DB-6_Pizz_Close	Samples: 960	RAM: 60 MB	
Pizzicato 5 velocity layers 4+4 variations			
52F DB-6_Pizz-snap_Close	Samples: 192	RAM: 12 MB	
Snap pizzicato 2 velocity layers: 0–80; 81–127 4+4 variations			

Bases – Matrices

05 Bases/01 FULL Dynamic

01F DB-6 CLOSE

Samples: 8164 RAM: 510 MB

Short and very short notes, sustained with and without vibrato as well as soft attack; flautando, crescendo, diminuendo, sforzato, fortepiano, tremolo, trills minor and major 2nd, pizzicato normal and snap

All long notes with marcato slot XF, vibrato/no vibrato XF

Matrix switches: Horizontal: Keyswitches, C5–B5 Vertical: Modwheel, 3 zones

	C5	C#5	D5	D#5	E5	F5	F#5	G5	G#5	A5	A#5	B5
V1 vibrato	very short notes	long notes soft					flautando	long notes, short XF	sforzato	fortepiano	tremolo, short XF	pizzicato
V2 no vibrato	very short notes	long notes soft					long notes cres	long notes, short XF	sforzato	fortepiano	trill min.2nd, short XF	pizzicato
V3 vib./no vib. XF	short notes	long notes soft					long notes dim	long notes	sforzato	fortepiano	trill maj.2nd, short XF	snap pizzicato

Bases – Presets

01 DB-6 Preset CLOSE

Samples: 8164 RAM: 510 MB

Close microphone, mono. Matrices:

01F DB-6 CLOSE

01S DB-6 CLOSE

01M DB-6 CLOSE

01L DB-6 CLOSE

Matrix keyswitches: C6–D#6