

**Vienna Instruments**  
**Solo Download Instruments**  
**Baritone Saxophone**  
**Full Library**

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## Introduction

Welcome to the Vienna Symphonic Library, and thank you for purchasing one of our Solo Download Instruments! This document contains the mapping information for the "Full" version of the Vienna Instruments Baritone Saxophone. You will find in it a comprehensive survey of the articulations/Patches content, a listing of abbreviations, and the mapping list proper which gives details for every Patch, Matrix, and Preset.

## "Full" Library

As opposed to the "Standard" versions of our Solo Download Instruments, the "Full" versions are identical with the corresponding instruments of a DVD Collection, i.e., they contain exactly the same samples, Patches, Matrices and Presets as the latter without any restrictions.

Installing a Download Instrument's Full version copies that instrument's sample content to a separate folder on your hard disk, so that it is not necessary to keep its Standard version installed – you may either delete it from your hard disk or at least remove it from the Directory Manager's list of activated instruments. In the Vienna Instruments Browser, the path of the Full version will be the same as that of the corresponding DVD Instrument, so that you can still see both versions as separate entries if you keep the Standard version installed.

## Data paths and Patch name conventions

Since the Full versions of Download Instruments conform to the corresponding DVD Instruments, the data paths in your Vienna Instruments browser will be different than those of Standard Download or Special Edition Instruments. For instance, the path of the Standard Download Library of Flute 1 is "02D Flute-1", and all Patches can be found in this folder regardless of the articulation group they belong to. The Patch number is also marked with a "D" so that you immediately know it is a Download Instrument. In the Vienna Special Edition, Flute 1 is located in the folder "11 Flutes" together with the other flutes. Here, the Patch number is marked with an "S". The Full Download of Flute 1 is located in the subfolder "32 Flute" of the section "Woodwind Patches", which again contains subfolders grouping the Patches according to type, e.g., "01 SHORT + LONG NOTES", "02 DYNAMICS", etc. Patch names of the Full Download Library may differ from the corresponding ones of the Standard Download Library.

While Full Download Instruments contain all articulations of the corresponding DVD Instruments, their Patches are not divided into Standard and Extended content. The list of articulations further down which gives a summary of the Library's contents.

Special Patch configurations which sometimes are part of a Standard Download Instrument may be found in a reserved folder called "98 RESOURCES" in the Full Instrument. E.g., Flute 1 Standard contains the Patch "22D FL1 legato-sus"; in Flute 1 Full, this Patch is called "01 FL1\_perf\_leg\_sustain" and is located in the Resources' subfolder "03 Perf Speed variation". (Apart from that, it also contains more samples.) Other articulations that can be found in the Resources folder are isolated dynamics repetitions in the subfolder "01 Perf Rep dyn" – e.g., the five repetitions of a legato crescendo, divided into separate Patches – and extracted velocity layers of sustained notes in the subfolder "02 Long Notes – Single Layer".

## 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.)

The Patch information also lists a Patch's velocity layers in detail. Velocity layer switches generally are the same for patches with the same number of layers but may occasionally be adapted to the instrument's requirements:

Layers	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6
2	1-88	89-127				
3	1-55	56-88	89-127			
4	1-55	56-88	89-108	109-127		
5	1-24	25-55	56-88	89-108	109-127	
6	1-24	25-55	56-88	89-108	109-118	119-127

## Interval performances

Interval performances are one of the outstanding features of our Vienna Instruments. They allow you to play authentic legato without any programming tricks. In our Silent Stage, all intervals from minor second to the octave were recorded for every instrument – up and down, of course; that makes 24 interval samples per note for one velocity alone! When you load an interval performance Patch and play a line on your keyboard, the software automatically joins the right samples with their interval transitions again, and you hear a perfect legato. By the way, this technique is not only used for legato but also for other articulations like the strings' portamento, marcato, or détaché and spiccato articulations.

Interval performances also contain at least two legato repetitions for every note which alternate automatically whenever you strike a key more than once. There also are preconfigured thresholds for legato and repetition notes: The legato threshold – i.e., the maximum break between notes where legato is played – is 50 ms. Otherwise, a sustained starting note will sound so that you can easily start a new phrase without leaving the legato Patch. For note repetitions, the threshold is 200 ms: a break up to that duration will yield a legato repetition; if the break is longer, a new starting note. But of course, it's mingling legato with other articulations which makes a piece really come alive.

Due to their nature, all interval performances are monophonic; otherwise, the software would have to be able to decide which source note belongs to which target note. To circumvent this, you can open two VI instances of the same instrument on separate MIDI tracks without any additional strain on your RAM.

*Note:* the Vienna Instruments PRO player software also allows you to play polyphonic Interval performances.

Another variety of interval performance you will come across is the "perf-leg\_sus" Patch. These Patches also contain normal legatos, only the target note of each interval is crossfaded into a looped sustain. They can be used for slower pieces with long notes; however, you should use them with circumspection, since plain legatos sound more lively because they not only render the interval transitions as they were played, but also have different target samples for every interval instead of the same sustained note: When you play, e.g., c–e and then c#–e with normal legato, you will get two different "e" tones; with sus-legato you won't.

## 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's settings at the **Control edit** page, 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: 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. Vienna Instruments PRO also allows you to define a MIDI Control for Preset keyswitching.

## Abbreviations

Here's a list of abbreviations in Patch names, which will help you to determine a Patch's content even without the help of the Vienna Instruments browser. Please note that not all of the abbreviations may occur in the manual on hand.

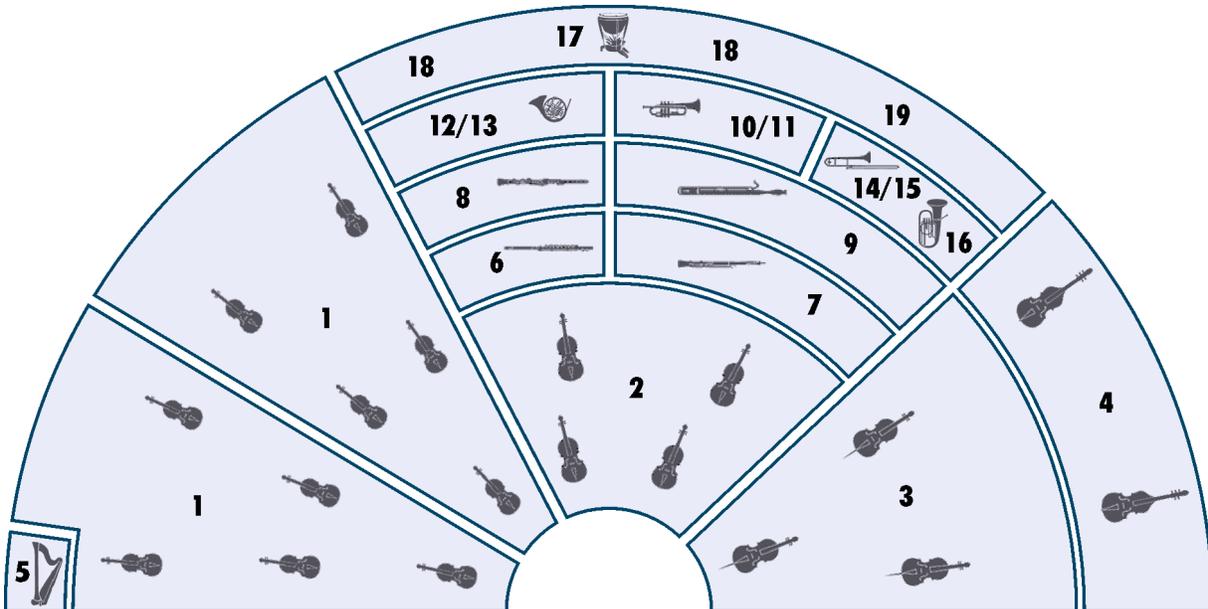
<b>Abbreviation</b>	<b>Meaning</b>	<b>Abbreviation</b>	<b>Meaning</b>
150, 160, ...	150, 160, ... BPM (beats per minute)	lo	long
1s, 2s, ...	tone length 1 sec., 2 sec., ...	marc	marcato
acc	accelerando	me	medium
all	combination of all Patches of a category	mi	minor
cre	crescendo	noVib	without vibrato
dim	diminuendo	perf-rep	repetition performance
dyn	dynamics (crescendo and diminuendo)	por	portato
dyn5, dyn9	dynamics, 5/9 repetitions	run	octave run
fa	fast	sl	slow
fast-rep	fast repetitions	sta, stac	staccato
flutter	flutter tonguing	str	strong
fx	effect sound	sus	sustained
gliss	glissando	Vib	with (medium) vibrato
leg	legato	Vib-progr	progressive vibrato
		XF	cell crossfade Matrix

<b>Articulations</b>
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<b>73 Baritone Sax</b>	
<b>01 SHORT + LONG NOTES</b>	Staccato Portato short and medium Slap, key noise Sustained with normal, progressive, and without vibrato Sustained, "dirty" Short and long bends
<b>02 DYNAMICS</b>	Medium dynamics with vibrato, 1.5/2/5 sec. Strong dynamics with vibrato, 3 and 5 sec. Medium dynamics without vibrato, 1.5/2/3 sec. Crescendo-diminuendo with vibrato, 3 and 5 sec. Fortepiano, sforzato, sforzissimo without vibrato
<b>03 FLATTER + TRILLS</b>	Flutter tonguing, crescendo Trills normal and accelerando, minor and major 2nd Dynamics for all trills
<b>10 PERF INTERVAL</b>	Legato with vibrato Legato without vibrato, sustain crossfading Grace notes, minor 2nd to octave Portamento Marcato
<b>11 PERF INTERVAL FAST</b>	Legato Marcato
<b>12 PERF TRILL</b>	Trills, legato, minor 2nd to major 3rd
<b>13 PERF REPETITION</b>	Legato slow and fast Portato slow and fast Staccato Dynamics for all repetitions
<b>14 FAST REPETITION</b>	Staccato, 9 repetitions, 140 to 180 BPM Normal and dynamics
<b>15 GRACE NOTES</b>	Grace notes Minor 2nd to octave Up and down
<b>16 SCALE RUNS</b>	Octave runs Legato, chromatic and whole tone Up and down
<b>17 BENDS DOWN</b>	Sustained with normal, progressive, and without vibrato Sustained, "dirty" Legato with vibrato, grace notes, portamento, marcato interval performances Performance trills

## 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      | 9     | Bassoon, contrabassoon       |
| 2 | Viola                   | 10/11 | Trumpet                      |
| 3 | Cello                   | 12/13 | Horn                         |
| 4 | Double bass             | 14/15 | Trombone                     |
| 5 | Harp                    | 16    | Tuba                         |
| 6 | Concert flute, piccolo  | 17    | Timpani                      |
| 7 | Oboe, English horn      | 18    | Drums, cymbals               |
| 8 | Clarinet, bass clarinet | 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.

# 73 Baritone Sax

## Patches

### 01 SHORT + LONG NOTES

Range: C2–A4



#### 01 SX-Br\_staccato

Samples: 272

RAM: 17 MB

Staccato  
4 velocity layers  
4 Alternations

#### 02 SX-Br\_portato\_short

Samples: 272

RAM: 17 MB

Portato, short  
4 velocity layers  
4 Alternations

#### 03 SX-Br\_portato\_medium

Samples: 272

RAM: 17 MB

Portato, medium  
4 velocity layers  
4 Alternations

#### 04 SX-Br\_slap

Range: C2–C4

Samples: 90

RAM: 5 MB

Slap  
2 velocity layers  
2 Alternations

#### 05 SX-Br\_key-noise

Samples: 22

RAM: 1 MB

Key noise  
The 11 keys are repeated over the range of the Patch (B/C – 1st key, A# – 11th key)  
1 velocity layer  
2 Alternations

#### 11 SX-Br\_sus\_Vib

Samples: 204

RAM: 12 MB

Sustained, with vibrato  
3 velocity layers  
Release samples

#### 12 SX-Br\_sus\_Vib-progr

Range: C2–G#4

Samples: 153

RAM: 9 MB

Sustained, progressive vibrato  
3 velocity layers  
Release samples

#### 13 SX-Br\_sus\_noVib

Range: C2–G#4

Samples: 153

RAM: 9 MB

Sustained, without vibrato  
3 velocity layers  
Release samples

<b>14 SX-Br_sus_dirty</b> Sustained, "dirty" 2 velocity layers Release samples	<b>Range: C2-F#4</b>	<b>Samples: 114</b>	<b>RAM: 7 MB</b>
<b>21 SX-Br_bend</b> Short and long downward bends The longer bends have a glissando-like quality 2 velocity layers AB switch: bend short/long		<b>Samples: 68</b>	<b>RAM: 4 MB</b>
<b>02 DYNAMICS</b>	<b>Range: C2-A4</b>		
<b>01 SX-Br_dyn-me_Vib_1'5s</b> Medium crescendo and diminuendo with vibrato, 1.5 sec. 2 velocity layers AB switch: crescendo/diminuendo		<b>Samples: 68</b>	<b>RAM: 4 MB</b>
<b>02 SX-Br_dyn-me_Vib_2s</b> Medium crescendo and diminuendo with vibrato, 2 sec. 2 velocity layers AB switch: crescendo/diminuendo		<b>Samples: 68</b>	<b>RAM: 4 MB</b>
<b>03 SX-Br_dyn-me_Vib_5s</b> Medium crescendo and diminuendo with vibrato, 5 sec. 2 velocity layers AB switch: crescendo/diminuendo		<b>Samples: 68</b>	<b>RAM: 4 MB</b>
<b>11 SX-Br_dyn-str_Vib_3s</b> Strong crescendo and diminuendo with vibrato, 3 sec. 1 velocity layer AB switch: crescendo/diminuendo		<b>Samples: 34</b>	<b>RAM: 2 MB</b>
<b>12 SX-Br_dyn-str_Vib_5s</b> Strong crescendo and diminuendo with vibrato, 5 sec. 1 velocity layer AB switch: crescendo/diminuendo		<b>Samples: 34</b>	<b>RAM: 2 MB</b>
<b>21 SX-Br_dyn-me_noVib_1'5s</b> Medium crescendo and diminuendo without vibrato, 1.5 sec. 2 velocity layers AB switch: crescendo/diminuendo		<b>Samples: 68</b>	<b>RAM: 4 MB</b>
<b>22 SX-Br_dyn-me_noVib_2s</b> Medium crescendo and diminuendo without vibrato, 2 sec. 2 velocity layers AB switch: crescendo/diminuendo		<b>Samples: 68</b>	<b>RAM: 4 MB</b>

<b>23 SX-Br_dyn-me_noVib_3s</b> Medium crescendo and diminuendo without vibrato, 3 sec. 2 velocity layers AB switch: crescendo/diminuendo	<b>Samples: 68</b>	<b>RAM: 4 MB</b>
<b>31 SX-Br_pfp_Vib_3s</b> Crescendo-diminuendo with vibrato, 3 sec. 2 velocity layers	<b>Samples: 34</b>	<b>RAM: 2 MB</b>
<b>32 SX-Br_pfp_Vib_5s</b> Crescendo-diminuendo with vibrato, 5 sec. 2 velocity layers	<b>Samples: 34</b>	<b>RAM: 2 MB</b>
<b>41 SX-Br_fp_noVib</b> Fortepiano, without vibrato 1 velocity layer 2 Alternations	<b>Samples: 65</b>	<b>RAM: 4 MB</b>
<b>42 SX-Br_sfz_noVib</b> Sforzato, without vibrato 1 velocity layer 2 Alternations	<b>Samples: 65</b>	<b>RAM: 4 MB</b>
<b>43 SX-Br_sffz_noVib</b> Sforzatissimo, without vibrato 1 velocity layer 2 Alternations	<b>Samples: 65</b>	<b>RAM: 4 MB</b>
<b>03 FLATTER + TRILLS</b>	<b>Range: C2-F#4</b>	
<b>01 SX-Br_flutter_cre</b> Flutter tonguing, crescendo 1 velocity layer	<b>Range: C2-A4</b>	<b>Samples: 33</b> <b>RAM: 2 MB</b>
<b>11 SX-Br_trill_1</b> Trills, minor 2nd 2 velocity layers Release samples	<b>Samples: 64</b>	<b>RAM: 4 MB</b>
<b>12 SX-Br_trill_2</b> Trills, major 2nd 2 velocity layers Release samples	<b>Samples: 64</b>	<b>RAM: 4 MB</b>
<b>13 SX-Br_trill_1_dyn</b> Trills, crescendo and diminuendo, minor 2nd 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 32</b>	<b>RAM: 2 MB</b>

<b>14 SX-Br_trill_2_dyn</b> Trills, crescendo and diminuendo, major 2nd 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 32</b>	<b>RAM: 2 MB</b>
<b>15 SX-Br_trill_1_acc</b> Trills accelerando, minor 2nd 2 velocity layers Release samples	<b>Samples: 64</b>	<b>RAM: 4 MB</b>
<b>16 SX-Br_trill_2_acc</b> Trills accelerando, major 2nd 2 velocity layers Release samples	<b>Samples: 64</b>	<b>RAM: 4 MB</b>
<b>17 SX-Br_trill_1_acc-dyn</b> Trills accelerando, crescendo and diminuendo, minor 2nd 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 32</b>	<b>RAM: 2 MB</b>
<b>18 SX-Br_trill_2_acc-dyn</b> Trills accelerando, crescendo and diminuendo, major 2nd 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 32</b>	<b>RAM: 2 MB</b>

<b>10 PERF INTERVAL</b>	<b>Range: C2-G#4</b>	
<b>01 SX-Br_perf-legato_Vib</b> Legato, with vibrato Monophonic 2 velocity layers Release samples	<b>Samples: 848</b>	<b>RAM: 53 MB</b>
<b>02 SX-Br_perf-legato_noVib_sus</b> Legato, without vibrato Sustain crossfading Monophonic 2 velocity layers Release samples	<b>Samples: 767</b>	<b>RAM: 47 MB</b>
<b>03 SX-Br_perf-legato_grace</b> Grace notes, legato, minor 2nd to octave Monophonic 2 velocity layers Release samples	<b>Samples: 848</b>	<b>RAM: 53 MB</b>
<b>04 SX-Br_perf_portamento</b> Portamento Monophonic 1 velocity layer Release samples	<b>Samples: 424</b>	<b>RAM: 26 MB</b>

<b>05 SX-Br_perf-marcato</b>	<b>Samples: 848</b>	<b>RAM: 53 MB</b>
Marcato Monophonic 2 velocity layers Release samples		
<b>11 PERF INTERVAL FAST</b>	<b>Range: C2–G#4</b>	
<b>01 SX-Br_perf-legato_fa</b>	<b>Samples: 908</b>	<b>RAM: 56 MB</b>
Interval performances: Legato, fast Monophonic 2 velocity layers Release samples		
<b>02 SX-Br_perf-marcato_fa</b>	<b>Samples: 908</b>	<b>RAM: 56 MB</b>
Interval performances: Marcato, fast Monophonic 2 velocity layers Release samples		
<b>12 PERF TRILL</b>	<b>Range: C2–G#4</b>	
<b>01 SX-Br_perf-trill</b>	<b>Samples: 2046</b>	<b>RAM: 127 MB</b>
Performance trills, legato, minor 2nd to major 3rd Monophonic 2 velocity layers Release samples		
<b>13 PERF REPETITION</b>	<b>Range: C2–G#4</b>	
<b>01 SX-Br_perf-rep_leg-sl</b>	<b>Samples: 255</b>	<b>RAM: 15 MB</b>
Repetition performances: Legato, slow 3 velocity layers		
<b>02 SX-Br_perf-rep_leg-fa</b>	<b>Samples: 255</b>	<b>RAM: 15 MB</b>
Repetition performances: Legato, fast 3 velocity layers		
<b>03 SX-Br_perf-rep_por-sl</b>	<b>Samples: 255</b>	<b>RAM: 15 MB</b>
Repetition performances: Portato, slow 3 velocity layers		
<b>04 SX-Br_perf-rep_por-fa</b>	<b>Samples: 459</b>	<b>RAM: 28 MB</b>
Repetition performances: Portato, fast 3 velocity layers		

<b>05 SX-Br_perf-rep_sta</b> Repetition performances: Staccato 3 velocity layers	<b>Samples: 459</b>	<b>RAM: 28 MB</b>
<b>21 SX-Br_perf-rep_dyn5_leg-sl</b> Repetition performances: Legato dynamics, slow, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 170</b>	<b>RAM: 10 MB</b>
<b>22 SX-Br_perf-rep_dyn5_leg-fa</b> Repetition performances: Legato dynamics, fast, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 170</b>	<b>RAM: 10 MB</b>
<b>23 SX-Br_perf-rep_dyn5_por-sl</b> Repetition performances: Portato dynamics, slow, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 170</b>	<b>RAM: 10 MB</b>
<b>24 SX-Br_perf-rep_dyn9_por-fa</b> Repetition performances: Portato dynamics, fast, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 306</b>	<b>RAM: 19 MB</b>
<b>25 SX-Br_perf-rep_dyn9_sta</b> Repetition performances: Staccato dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 306</b>	<b>RAM: 19 MB</b>

**14 FAST REPETITION****Range: C2–G#4**

<b>01 SX-Br_fast-rep_140 (150/160/170/180)</b> Fast repetitions Staccato, 9 repetitions, 140/150/160/170/180 BPM 3 velocity layers Release samples	<b>Samples: 102</b>	<b>RAM: 6 MB</b>
<b>11 SX-Br_fast-rep_140_dyn (150/160/170/180)</b> Fast repetitions Staccato, 9 repetitions, 140/150/160/170/180 BPM, crescendo and diminuendo 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 34</b>	<b>RAM: 2 MB</b>



## 15 GRACE NOTES

The samples are mapped to their target notes.

<b>01 SX-Br_grace-1</b> Grace notes, minor 2nd 2 velocity layers Release samples AB switch: up/down	<b>Range: C2-G4</b>	<b>Samples: 132</b>	<b>RAM: 8 MB</b>
<b>02 SX-Br_grace-2</b> Grace notes, major 2nd 2 velocity layers Release samples AB switch: up/down	<b>Range: C2-G#4</b>	<b>Samples: 132</b>	<b>RAM: 8 MB</b>
<b>03 SX-Br_grace-3</b> Grace notes, minor 3rd 2 velocity layers Release samples AB switch: up/down	<b>Range: C2-G4</b>	<b>Samples: 128</b>	<b>RAM: 8 MB</b>
<b>04 SX-Br_grace-4</b> Grace notes, major 3rd 2 velocity layers Release samples AB switch: up/down	<b>Range: C2-G#4</b>	<b>Samples: 128</b>	<b>RAM: 8 MB</b>
<b>05 SX-Br_grace-5</b> Grace notes, 4th 2 velocity layers Release samples AB switch: up/down	<b>Range: C2-G4</b>	<b>Samples: 124</b>	<b>RAM: 7 MB</b>
<b>06 SX-Br_grace-6</b> Grace notes, diminished 5th 2 velocity layers Release samples AB switch: up/down	<b>Range: C2-G#4</b>	<b>Samples: 124</b>	<b>RAM: 7 MB</b>
<b>07 SX-Br_grace-7</b> Grace notes, 5th 2 velocity layers Release samples AB switch: up/down	<b>Range: C2-G4</b>	<b>Samples: 120</b>	<b>RAM: 7 MB</b>
<b>08 SX-Br_grace-8</b> Grace notes, minor 6th 2 velocity layers Release samples AB switch: up/down	<b>Range: C2-G#4</b>	<b>Samples: 120</b>	<b>RAM: 7 MB</b>

<b>09 SX-Br_grace-9</b> Grace notes, major 6th 2 velocity layers Release samples AB switch: up/down	<b>Range: C2-G4</b>	<b>Samples: 116</b>	<b>RAM: 7 MB</b>
<b>10 SX-Br_grace-10</b> Grace notes, minor 7th 2 velocity layers Release samples AB switch: up/down	<b>Range: C2-G#4</b>	<b>Samples: 116</b>	<b>RAM: 7 MB</b>
<b>11 SX-Br_grace-11</b> Grace notes, major 7th 2 velocity layers Release samples AB switch: up/down	<b>Range: C2-G4</b>	<b>Samples: 112</b>	<b>RAM: 7 MB</b>
<b>12 SX-Br_grace-12</b> Grace notes, octave 2 velocity layers Release samples AB switch: up/down	<b>Range: C2-G#4</b>	<b>Samples: 112</b>	<b>RAM: 7 MB</b>
<b>16 SCALE RUNS</b>	<b>Range: C2-A4</b>		
<b>01 SX-Br_run-leg_chromatic</b> Octave runs, legato Chromatic 2 velocity layers AB switch: up/down		<b>Samples: 44</b>	<b>RAM: 2 MB</b>
<b>02 SX-Br_run-leg_whole</b> Octave runs, legato Whole tone 2 velocity layers AB switch: up/down		<b>Samples: 44</b>	<b>RAM: 2 MB</b>



## 17 BENDS DOWN

<b>01 SX-Br_sus_Vib_bend</b>	<b>Range: C2-A4</b>	<b>Samples: 170</b>	<b>RAM: 10 MB</b>
Single notes: Sustained, vibrato, with bend release 3 velocity layers Release samples AB switch: bend short/long			
<b>02 SX-Br_sus_Vib-progr_bend</b>	<b>Range: C2-G#4</b>	<b>Samples: 119</b>	<b>RAM: 7 MB</b>
Single notes: Sustained, progressive vibrato, with bend release 3 velocity layers Release samples AB switch: bend short/long			
<b>03 SX-Br_sus_noVib_bend</b>	<b>Range: C2-G#4</b>	<b>Samples: 119</b>	<b>RAM: 7 MB</b>
Single notes: Sustained, no vibrato, with bend release 3 velocity layers Release samples AB switch: bend short/long			
<b>04 SX-Br_sus_dirty_bend</b>	<b>Range: C2-F#4</b>	<b>Samples: 114</b>	<b>RAM: 7 MB</b>
Single notes: Sustained, "dirty", with bend release 2 velocity layers Release samples AB switch: bend short/long			
<b>11 SX-Br_perf-legato_Vib_bend</b>	<b>Range: C2-G#4</b>	<b>Samples: 848</b>	<b>RAM: 53 MB</b>
Interval performances: Legato, with vibrato, with bend release 2 velocity layers Release samples AB switch: bend short/long			
<b>12 SX-Br_perf-legato_grace_bend</b>	<b>Range: C2-G#4</b>	<b>Samples: 848</b>	<b>RAM: 53 MB</b>
Interval performances: Grace notes, legato, minor 2nd to octave, with bend release 2 velocity layers Release samples AB switch: bend short/long			
<b>13 SX-Br_perf_portamento_bend</b>	<b>Range: C2-G#4</b>	<b>Samples: 458</b>	<b>RAM: 28 MB</b>
Interval performances: Portamento, with bend release 1 velocity layer Release samples AB switch: bend short/long			
<b>14 SX-Br_perf-marcato_bend</b>	<b>Range: C2-G#4</b>	<b>Samples: 848</b>	<b>RAM: 53 MB</b>
Interval performances: Marcato, with bend release 2 velocity layers Release samples AB switch: bend short/long			

**21 SX-Br\_perf-trill\_bend** **Range: C2-G#4** **Samples: 2046** **RAM: 127 MB**  
 Multi interval performances: Performance trills, legato, minor 2nd to major 3rd, with bend release  
 2 velocity layers  
 Release samples  
 AB switch: bend short/long

## 98 RESOURCES

Isolated dynamics repetitions: Legato slow and fast, portato, staccato  
 Single layer long notes  
 Legato with sustain crossfading

### 01 Perf Rep dyn

**Range: C2-G#4**



#### 01 SX-Br\_rep\_cre5\_leg-sl-1 (2/3/4/5)

**Samples: 17**

**RAM: 1 MB**

Extracted repetition  
 Legato slow, crescendo, 1st to 5th note  
 1 velocity layer

#### 01 SX-Br\_rep\_dim5\_leg-sl-1 (2/3/4/5)

**Samples: 17**

**RAM: 1 MB**

Extracted repetition  
 Legato slow, diminuendo, 1st to 5th note  
 1 velocity layer

#### 02 SX-Br\_rep\_cre5\_leg-fa-1 (2/3/4/5)

**Samples: 17**

**RAM: 1 MB**

Extracted repetition  
 Legato fast, crescendo, 1st to 5th note  
 1 velocity layer

#### 02 SX-Br\_rep\_dim5\_leg-fa-1 (2/3/4/5)

**Samples: 17**

**RAM: 1 MB**

Extracted repetition  
 Legato fast, diminuendo, 1st to 5th note  
 1 velocity layer

#### 03 SX-Br\_rep\_cre9\_por-1 (2/3/4/5/6/7/8/9)

**Samples: 17**

**RAM: 1 MB**

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

#### 03 SX-Br\_rep\_dim9\_por-1 (2/3/4/5/6/7/8/9)

**Samples: 17**

**RAM: 1 MB**

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

#### 04 SX-Br\_rep\_cre9\_sta-1 (2/3/4/5/6/7/8/9)

**Samples: 17**

**RAM: 1 MB**

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

**04 SX-Br\_rep\_dim9\_sta-1 (2/3/4/5/6/7/8/9)****Samples: 17****RAM: 1 MB**

Extracted repetition

Staccato, diminuendo, 1st to 9th note

1 velocity layer

**02 Long Notes - Single Layer****Range: C2–A4****01 SX-Br\_sus\_p****Samples: 68****RAM: 4 MB**

Sustained, piano

1 velocity layer

Release samples

**02 SX-Br\_sus\_mf****Samples: 68****RAM: 4 MB**

Sustained, mezzoforte

1 velocity layer

Release samples

**03 SX-Br\_sus\_f****Samples: 68****RAM: 4 MB**

Sustained, forte

1 velocity layer

Release samples

**03 Perf Speed variation****Range: C2–G#4****01 SX-Br\_perf-leg\_sustain****Samples: 947****RAM: 59 MB**

Interval performances: Legato with sustain crossfading

2 velocity layers

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 - LEVEL 1

### L1 SX-Br Articulation Combi

**Samples: 861 RAM: 53 MB**

Single notes

Staccato, portato short, sustained with and without vibrato normal and with bends, crescendo-diminuendo with vibrato 3 and 5 sec., fortissimo and sforzato without vibrato, trills half and whole tone

**Matrix switches:** Horizontal: Keyswitches, C6–F6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6	F6
V1	stac	sus vib.	sus vib. bend	pfp vib. 3s.	fp no vib.	trill half
V2	port. short	sus no vib.	sus no vib. bend	pfp vib. 5s.	sfz no vib.	trill whole

### L1 SX-Br Perf-Legato Speed

**Samples: 1067 RAM: 66 MB**

Performance legato with vibrato and sustain crossfading, with vibrato, and fast

Performance legato with vibrato and bend release

Speed controller

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

	H1	H2	H3
legato normal	vib. sustain XF	vib. normal	fast
legato bend	%	%	%

### L1 SX-Br Perf-Repetitions Combi

**Samples: 1173 RAM: 73 MB**

Repetition performances

Legato slow

Portato fast

Staccato

**Matrix switches:** Vertical: Modwheel, 3 zones

	repetitions
V1	legato slow
V2	portato fast
V3	staccato

## Matrix - LEVEL 2 A - Advanced

### O1 SX-Br Perf-Universal

**Samples: 2392 RAM: 149 MB**

Interval performances

Legato vibrato with sustain crossfading, normal, and fast

Portamento

Marcato normal and fast

Speed controller

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

	H1	H2	H3
legato	sustain XF	normal	fast
portamento	%	%	%
marcato	normal	normal	fast

**02 SX-Br Perf-Trill Speed****Samples: 2292 RAM: 143 MB**

Multi interval performances  
 Legato with vibrato, trills  
 Normal and with bend release  
 Speed controller

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

	H1	H2
V1	legato vib.	trills
V2	legato vib. bends	trill bends

**03 SX-Br Short+Long notes - All****Samples: 1066 RAM: 66 MB**

Single notes  
 Staccato, portato short, portato medium  
 Sustained with normal and progressive vibrato, 'dirty', and without vibrato

**Matrix switches:** Horizontal: Keyswitches, C6–D#6 Vertical: Modwheel, 4 zones

	C6	C#6	D6	D#6
V1	staccato	port. short	port. medium	sus. vibrato
V2	%	%	%	sus. prog. vib.
V3	%	%	%	sus. dirty
V4	%	%	%	sus. no vib.

**Matrix - LEVEL 2 B - Standard****11 SX-Br Perf-Legato Speed****Samples: 1067 RAM: 66 MB**

Performance legato with vibrato and sustain crossfading, with vibrato, and fast  
 Speed controller

**Matrix switches:** Horizontal: Speed, 3 zones

	H1	H2	H3
legato	vib. sustain XF	vib. normal	fast

**12 SX-Br Perf-Marcato Speed****Samples: 968 RAM: 60 MB**

Interval performances^mMarcato normal and fast  
 Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
Marcato	normal	fast

**14 SX-Br Short notes - All****Samples: 906 RAM: 56 MB**

Single notes  
 Staccato, portato short, portato medium, and slap

**Matrix switches:** Horizontal: Keyswitches, C6–D#6

	C6	C#6	D6	D#6
V1	staccato	port. short	port.med.	slap

**15 SX-Br Dynamics****Samples: 440 RAM: 27 MB**

Dynamics

Medium crescendo and diminuendo with vibrato, 2 and 5 sec.

Strong crescendo and diminuendo with vibrato, 3 and 5 sec.

Medium crescendo and diminuendo without vibrato, 2 and 3 sec.

Crescendo-diminuendo with vibrato, 3 and 5 sec.

Fortepiano and sforzato without vibrato

**Matrix switches:** Horizontal: Keyswitches, C6–C#6 Vertical: Modwheel, 5 zones

	C6	C#6
medium dyn. vib.	2 sec.	5 sec.
strong dyn. vib.	3 sec.	5 sec.
med.dyn. no vib.	2 sec.	3 sec.
ppf vib.	3 sec.	5 sec.
fp/sfz no vib.	fp	sfz

**16 SX-Br Trills - normal****Samples: 128 RAM: 8 MB**

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

**17 SX-Br Trills - accelerando****Samples: 128 RAM: 8 MB**

Trills accelerando

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

**18 SX-Br Trills - All****Samples: 256 RAM: 16 MB**

Trills constant speed and accelerando

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	accelerando	acc. dynamics
whole tone	normal	dynamics	accelerando	acc. dynamics

**19 SX-Br Bends - sus****Samples: 250 RAM: 15 MB**

Sustained notes with vibrato, progressive vibrato, 'dirty', and without vibrato

Normal and with bend release

**Matrix switches:** Horizontal: Keyswitches, C6–D#6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6
sus. normal	vibrato	prog. vib.	dirty	no vibrato
sus. bend	%	%	%	%

**20 SX-Br Bends - Perf****Samples: 1917 RAM: 119 MB**Interval performances: Legato, portamento, and marcato  
Normal and with bend release**Matrix switches:** Horizontal: Keyswitches, C6–D#6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6
normal	legato	portamento	portamento	marcato
bend RS	%	%	%	%

**Matrix - LEVEL 2 C - Repetitions****31 SX-Br Perf-Repetitions - Combi****Samples: 1683 RAM: 105 MB**Repetition performances  
Slow and fast legato, slow and fast portato, staccato**Matrix switches:** Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
V1	legato slow	legato fast	portato slow	portato fast	staccato

**32 SX-Br Perf-Repetitions - Speed****Samples: 1428 RAM: 89 MB**Repetition performances  
Slow and fast legato, fast portato, staccato  
Speed controller**Matrix switches:** Horizontal: Speed, 4 zones

	H1	H2	H3	H4
V1	legato slow	legato fast	portato fast	staccato

**33 SX-Br Fast-Repetitions****Samples: 255 RAM: 15 MB**Fast repetitions  
140, 150, 160, 170, 180 BPM**Matrix switches:** Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
speed/BPM	140	150	160	170	180

**Matrix - LEVEL 2 D - Scale+Phrase****41 SX-Br Scale runs-legato - Special****Samples: 88 RAM: 5 MB**Octave runs, legato, chromatic and whole tone  
AB switch up/down**Matrix switches:** Vertical: Modwheel, 2 zones

	legato
V1	chromatic
V2	whole tone

**42 SX-Br Grace notes - All****Samples: 648 RAM: 40 MB**Grace notes, minor 2nd to octave  
AB switch up/down**Matrix switches:** Horizontal: Keyswitches, C6–B6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6	A6	A#6	B6
interval	min. 2nd	maj. 2nd	min. 3rd	maj. 3rd	4th	dim. 5th	5th	min. 6th	maj. 6th	min. 7th	maj. 7th	octave

**Matrix - LEVEL 2 E - Keyswitch Vel****71 SX-Br Legato slow - cre5****Samples: 85****RAM: 5 MB**

Slow 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

**72 SX-Br Legato fast - cre5****Samples: 85****RAM: 5 MB**

Fast 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

**73 SX-Br Portato - cre9****Samples: 153****RAM: 9 MB**

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

**74 SX-Br Staccato - cre9****Samples: 153****RAM: 9 MB**

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

**75 SX-Br Combi - cre5****Samples: 170****RAM: 10 MB**

Slow and fast legato: Crescendo, keyswitch velocity  
 Keyswitches control 5 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C6–E6      Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6
legato slow	1st	2nd	3rd	4th	5th
legato fast	1st	%	%	%	%

**76 SX-Br Combi - cre9****Samples: 306****RAM: 19 MB**

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

**Matrix switches:** Horizontal: Keyswitches, C6–G#6      Vertical: Modwheel, 2 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	%	%	%	%	%	%	%	%

**77 SX-Br Legato slow - dim5****Samples: 85****RAM: 5 MB**

Slow 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

**78 SX-Br Legato fast - dim5****Samples: 85****RAM: 5 MB**

Fast 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

**79 SX-Br Portato - dim9****Samples: 153****RAM: 9 MB**

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

**80 SX-Br Staccato - dim9****Samples: 153****RAM: 9 MB**

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

**81 SX-Br Combi - dim5****Samples: 170****RAM: 10 MB**

Slow and fast legato: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C6–E6      Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6
legato slow	1st	2nd	3rd	4th	5th
legato fast	1st	%	%	%	%

**82 SX-Br Combi - dim9****Samples: 306****RAM: 19 MB**

Portato and staccato: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C6–G#6      Vertical: Modwheel, 2 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	%	%	%	%	%	%	%	%

<b>Presets</b>
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**SX-Br VSL Preset Level 1****Samples: 3002 RAM: 187 MB**

L1 SX-Br\_Perf-Legato Speed  
 L1 SX-Br\_Articulation Combi  
 L1 SX-Br\_Perf-Repetitions Combi  
 Preset keyswitches: C7–D7

**SX-Br VSL Preset Level 2****Samples: 6752 RAM: 422 MB**

01 SX-Br Perf-Universal  
 02 SX-Br Perf-Trill Speed  
 L1 SX-Br Articulation Combi  
 31 SX-Br Perf-Repetitions - Combi  
 76 SX-Br Combi - cre9  
 19 SX-Br Bends - sus  
 Preset keyswitches: C7–F7