



# **Vienna Instruments**

# **Vienna Choir**

**Soprano Choir (16 singers)**

**Alto Choir (10 singers)**

**Tenor Choir (10 singers)**

**Bass Choir (8 singers)**

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## Introduction

Welcome to the Vienna Symphonic Library, and thank you for purchasing one of our Vienna Instruments! This document contains the mapping information for the Vienna Choir. 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.

## 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. All articulations are available on the vowels “aa” (Standard) and “uu” (Extended); clusters only on “aa”.

Since new recordings were made for the Soprano Choir, we also created special combination patches of the new and old samples which allow you to adapt pieces created with the original Soprano Choir more easily.

We took care in all articulations to adjust loudness within velocity layers to the ensembles’ natural volume, so that lower notes will sound softer than higher ones within the same velocity level.

Here’s an overview of the articulations/Patches contained in the Vienna Choir Collection:

**Short notes:** Staccato on “aa”, “pa”, “ra”, “sa”, “ta” and “uu”, “pu”, “ru”, “su”, “tu”

**Long notes:** Sustained notes, normal and espressivo; clusters (“aa” only)

**Dynamics:** Crescendo and diminuendo, 2,3, and 4 sec.; sforzato

**Interval performances:** Legato normal and espressivo; trills normal and espressivo; glissandos; clusters (“aa” only)

**Extras:** “Full Choir” patch combinations; “doubled” Soprano Choir (old and new samples); “creepy” female and male articulations; and breathing noises for all ensembles.

The 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. The Patch information also lists the velocity layers in detail.

## 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 glissandos and clusters.

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 naturally, 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.

## 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.

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.

## 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 101–112 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.

## 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.

# 100 Vienna Choir

## Patches

### 01 Sopran (16)

#### Level 1: Articulations on "aa"

Staccatos "aa", "pa", "ra", "sa", "ta"  
 Sustained, normal and espressivo  
 Clusters, sustained  
 Crescendo and diminuendo, 2, 3, and 4 sec.  
 Sforzato  
 Legato performances, normal and espressivo  
 Trill performances, normal and espressivo  
 Glissando performances  
 Cluster performances

#### Level 2: Articulations on "uu"

Staccatos "uu", "pu", "ru", "su", "tu"  
 Sustained, normal and espressivo  
 Crescendo and diminuendo, 2, 3, and 4 sec.  
 Sforzato  
 Legato performances, normal and espressivo  
 Trill performances, normal and espressivo  
 Glissando performances

01 ARTICULATIONS -AA-	Range: A#3–C6	Level 1	
<b>01 V-Sopran16_stac AA</b> Staccato on "aa" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations		<b>Samples: 300</b>	<b>RAM: 18 MB</b>
<b>02 V-Sopran16_stac PA</b> Staccato on "pa", 5 alternations 2 velocity layers: 0–88 p; 89–127 f	<b>Range: B3–C6</b>	<b>Samples: 150</b>	<b>RAM: 9 MB</b>
<b>03 V-Sopran16_stac RA</b> Staccato on "ra", 5 alternations 2 velocity layers: 0–88 p; 89–127 f	<b>Range: B3–C6</b>	<b>Samples: 150</b>	<b>RAM: 9 MB</b>
<b>04 V-Sopran16_stac SA</b> Staccato on "sa", 5 alternations 2 velocity layers: 0–88 p; 89–127 f		<b>Samples: 150</b>	<b>RAM: 9 MB</b>
<b>05 V-Sopran16_stac TA</b> Staccato on "ta", 9 alternations 2 velocity layers: 0–88 p; 89–127 f		<b>Samples: 370</b>	<b>RAM: 23 MB</b>
<b>11 V-Sopran16_sus AA</b> Sustained on "aa" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations		<b>Samples: 375</b>	<b>RAM: 23 MB</b>

<b>12 V-Sopran16_sus AA_espr</b>	<b>Samples: 375</b>	<b>RAM: 23 MB</b>	
Sustained on "aa", espressivo 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations			
<b>13 V-Sopran16_sus-cluster AA</b>	<b>Range: F4–A#5</b>	<b>Samples: 24</b>	<b>RAM: 1 MB</b>
Clusters on "aa" 1 velocity layer: 0–127 p Release samples 2 Alternations			
<b>21 V-Sopran16_dyn-2s AA</b>	<b>Samples: 100</b>	<b>RAM: 6 MB</b>	
Crescendo and diminuendo on "aa", 2 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>22 V-Sopran16_dyn-3s AA</b>	<b>Samples: 100</b>	<b>RAM: 6 MB</b>	
Crescendo and diminuendo on "aa", 3 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>23 V-Sopran16_dyn-4s AA</b>	<b>Samples: 100</b>	<b>RAM: 6 MB</b>	
Crescendo and diminuendo on "aa", 4 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>25 V-Sopran16_sfz AA</b>	<b>Samples: 75</b>	<b>RAM: 4 MB</b>	
Sforzato on "aa" 1 velocity layer 2 Alternations			
<b>31 V-Sopran16_perf-leg AA</b>	<b>Samples: 1239</b>	<b>RAM: 77 MB</b>	
Interval performances: Legato on "aa" Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>32 V-Sopran16_perf-leg AA_espr</b>	<b>Samples: 1314</b>	<b>RAM: 82 MB</b>	
Interval performances: Legato on "aa", espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>33 V-Sopran16_perf-trill AA</b>	<b>Samples: 1631</b>	<b>RAM: 101 MB</b>	
Interval performances: Trills on "aa", minor and major 2nd Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>34 V-Sopran16_perf-trill AA_espr</b>	<b>Samples: 1631</b>	<b>RAM: 101 MB</b>	
Interval performances: Trills on "aa", minor and major 2nd, espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			

<b>35 V-Sopran16_perf-gliss AA</b>	<b>Samples: 656</b>	<b>RAM: 41 MB</b>
Interval performances: Glissandos on "aa" Monophonic 2 velocity layers: 0–88 mp; 89–127 f Release samples		
<b>36 V-Sopran16_perf-cluster AA</b>	<b>Range: F4–A#5</b>	<b>Samples: 38</b>
Interval performances: Clusters on "aa" Monophonic 1 velocity layer: 0–127 p Release samples		
<b>02 ARTICULATIONS -UU-</b>	<b>Range: A#3–C6</b>	<b>Level 2</b>
<b>01 V-Sopran16_stac UU</b>	<b>Samples: 300</b>	<b>RAM: 18 MB</b>
Staccato on "uu" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations		
<b>02 V-Sopran16_stac PU</b>	<b>Range: B3–C6</b>	<b>Samples: 150</b>
Staccato on "pu", 5 alternations 2 velocity layers: 0–88 p; 89–127 f		
<b>03 V-Sopran16_stac RU</b>	<b>Range: B3–C6</b>	<b>Samples: 150</b>
Staccato on "ru", 5 alternations 2 velocity layers: 0–88 p; 89–127 f		
<b>04 V-Sopran16_stac SU</b>	<b>Samples: 150</b>	<b>RAM: 9 MB</b>
Staccato on "su", 5 alternations 2 velocity layers: 0–88 p; 89–127 f		
<b>05 V-Sopran16_stac TU</b>	<b>Range: B3–C6</b>	<b>Samples: 150</b>
Staccato on "tu", 5 alternations 2 velocity layers: 0–88 p; 89–127 f		
<b>11 V-Sopran16_sus UU</b>	<b>Samples: 375</b>	<b>RAM: 23 MB</b>
Sustained on "uu" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations		
<b>12 V-Sopran16_sus UU_espr</b>	<b>Samples: 374</b>	<b>RAM: 23 MB</b>
Sustained on "uu", espressivo 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations		
<b>21 V-Sopran16_dyn-2s UU</b>	<b>Samples: 100</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "uu", 2 sec. 1 velocity layer AB switch: crescendo/diminuendo		

<b>22 V-Sopran16_dyn-3s UU</b>	<b>Samples: 100</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "uu", 3 sec. 1 velocity layer AB switch: crescendo/diminuendo		
<b>23 V-Sopran16_dyn-4s UU</b>	<b>Samples: 100</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "uu", 4 sec. 1 velocity layer AB switch: crescendo/diminuendo		
<b>25 V-Sopran16_sfz UU</b>	<b>Samples: 75</b>	<b>RAM: 4 MB</b>
Sforzato on "uu" 1 velocity layer 2 Alternations		
<b>31 V-Sopran16_perf-leg UU</b>	<b>Samples: 1314</b>	<b>RAM: 82 MB</b>
Interval performances: Legato on "uu" Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>32 V-Sopran16_perf-leg UU_espr</b>	<b>Samples: 1238</b>	<b>RAM: 77 MB</b>
Interval performances: Legato on "uu", espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>33 V-Sopran16_perf-trill UU</b>	<b>Samples: 1631</b>	<b>RAM: 101 MB</b>
Interval performances: Trills on "uu", minor and major 2nd Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>34 V-Sopran16_perf-trill UU_espr</b>	<b>Samples: 1630</b>	<b>RAM: 101 MB</b>
Interval performances: Trills on "uu", minor and major 2nd, espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>35 V-Sopran16_perf-gliss UU</b>	<b>Samples: 656</b>	<b>RAM: 41 MB</b>
Interval performances: Glissandos on "uu" Monophonic 2 velocity layers: 0–88 p; 89–127 f Release samples		



**02 Alt (10)**

**Level 1:** Articulations on "aa"  
 Staccatos "aa", "pa", "ra", "sa", "ta"  
 Sustained, normal and espressivo  
 Clusters, sustained  
 Crescendo and diminuendo, 2, 3, and 4 sec.  
 Sforzato  
 Legato performances, normal and espressivo  
 Trill performances, normal and espressivo  
 Glissando performances  
 Cluster performances

**Level 2:** Articulations on "uu"  
 Staccatos "uu", "pu", "ru", "su", "tu"  
 Sustained, normal and espressivo  
 Crescendo and diminuendo, 2, 3, and 4 sec.  
 Sforzato  
 Legato performances, normal and espressivo  
 Trill performances, normal and espressivo  
 Glissando performances

**01 ARTICULATIONS -AA-****Range: E3–F#5****Level 1****01 V-Alt10\_stac AA****Samples: 304 RAM: 19 MB**

Staccato on "aa"  
 2 velocity layers: 0–88 p; 89–127 f  
 4 Alternations

**02 V-Alt10\_stac PA****Samples: 150 RAM: 9 MB**

Staccato on "pa", 5 alternations  
 2 velocity layers: 0–88 p; 89–127 f

**03 V-Alt10\_stac RA****Samples: 150 RAM: 9 MB**

Staccato on "ra", 5 alternations  
 2 velocity layers: 0–88 p; 89–127 f

**04 V-Alt10\_stac SA****Samples: 150 RAM: 9 MB**

Staccato on "sa", 5 alternations  
 2 velocity layers: 0–88 p; 89–127 f

**05 V-Alt10\_stac TA****Samples: 270 RAM: 16 MB**

Staccato on "ta", 9 alternations  
 2 velocity layers: 0–88 p; 89–127 f

**11 V-Alt10\_sus AA****Samples: 390 RAM: 24 MB**

Sustained on "aa"  
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
 Release samples  
 2 Alternations

**12 V-Alt10\_sus AA\_espr****Samples: 390 RAM: 24 MB**

Sustained on "aa", espressivo  
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
 Release samples  
 2 Alternations

<b>13 V-Alt10_sus-cluster AA</b>	<b>Range: A#3–C5</b>	<b>Samples: 21</b>	<b>RAM: 1 MB</b>
Clusters on "aa" 1 velocity layer: 0–127 p Release samples 2 Alternations			
<b>21 V-Alt10_dyn-2s AA</b>		<b>Samples: 104</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "aa", 2 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>22 V-Alt10_dyn-3s AA</b>		<b>Samples: 104</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "aa", 3 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>23 V-Alt10_dyn-4s AA</b>		<b>Samples: 104</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "aa", 4 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>25 V-Alt10_sfz AA</b>	<b>Range: F3–F#5</b>	<b>Samples: 78</b>	<b>RAM: 4 MB</b>
Sforzato on "aa" 1 velocity layer 2 Alternations			
<b>31 V-Alt10_perf-leg AA</b>		<b>Samples: 1302</b>	<b>RAM: 81 MB</b>
Interval performances: Legato on "aa" Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>32 V-Alt10_perf-leg AA_espr</b>		<b>Samples: 1302</b>	<b>RAM: 81 MB</b>
Interval performances: Legato on "aa", espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>33 V-Alt10_perf-trill AA</b>		<b>Samples: 1710</b>	<b>RAM: 106 MB</b>
Interval performances: Trills on "aa", minor and major 2nd Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>34 V-Alt10_perf-trill AA_espr</b>		<b>Samples: 1710</b>	<b>RAM: 106 MB</b>
Interval performances: Trills on "aa", minor and major 2nd, espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>35 V-Alt10_perf-gliss AA</b>	<b>Range: E3–F5</b>	<b>Samples: 660</b>	<b>RAM: 41 MB</b>
Interval performances: Glissandos on "aa" Monophonic 2 velocity layers: 0–88 p; 89–127 f Release samples			

<b>36 V-Alt10_perf-cluster AA</b>	<b>Range: A#3–C5</b>	<b>Samples: 34</b>	<b>RAM: 2 MB</b>
Interval performances: Clusters on "aa" Monophonic 1 velocity layer: 0–127 p Release samples			
<b>02 ARTICULATIONS -UU-</b>	<b>Range: E3–F#5</b>	<b>Level 2</b>	
<b>01 V-Alt10_stac UU</b>		<b>Samples: 312</b>	<b>RAM: 19 MB</b>
Staccato on "uu" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations			
<b>02 V-Alt10_stac PU</b>		<b>Samples: 150</b>	<b>RAM: 9 MB</b>
Staccato on "pu", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>03 V-Alt10_stac RU</b>		<b>Samples: 150</b>	<b>RAM: 9 MB</b>
Staccato on "ru", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>04 V-Alt10_stac SU</b>		<b>Samples: 150</b>	<b>RAM: 9 MB</b>
Staccato on "su", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>05 V-Alt10_stac TU</b>		<b>Samples: 150</b>	<b>RAM: 9 MB</b>
Staccato on "tu", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>11 V-Alt10_sus UU</b>		<b>Samples: 350</b>	<b>RAM: 21 MB</b>
Sustained on "uu" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations			
<b>12 V-Alt10_sus UU_espr</b>		<b>Samples: 376</b>	<b>RAM: 23 MB</b>
Sustained on "uu", espressivo 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations			
<b>21 V-Alt10_dyn-2s UU</b>		<b>Samples: 104</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "uu", 2 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>22 V-Alt10_dyn-3s UU</b>		<b>Samples: 104</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "uu", 3 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>23 V-Alt10_dyn-4s UU</b>		<b>Samples: 104</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "uu", 4 sec. 1 velocity layer AB switch: crescendo/diminuendo			

<b>25 V-Alt10_sfz UU</b>	<b>Samples: 78</b>	<b>RAM: 4 MB</b>
Sforzato on "uu" 1 velocity layer 2 Alternations		
<b>31 V-Alt10_perf-leg UU</b>	<b>Samples: 1262</b>	<b>RAM: 78 MB</b>
Interval performances: Legato on "uu" Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>32 V-Alt10_perf-leg UU_espr</b>	<b>Samples: 1288</b>	<b>RAM: 80 MB</b>
Interval performances: Legato on "uu", espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>33 V-Alt10_perf-trill UU</b>	<b>Samples: 1696</b>	<b>RAM: 106 MB</b>
Interval performances: Trills on "uu", minor and major 2nd Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>34 V-Alt10_perf-trill UU_espr</b>	<b>Samples: 3139</b>	<b>RAM: 196 MB</b>
Interval performances: Trills on "uu", minor and major 2nd, espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>35 V-Alt10_perf-gliss UU</b>	<b>Range: E3–F5</b>	<b>Samples: 660</b>
Interval performances: Glissandos on "uu" Monophonic 2 velocity layers: 0–88 p; 89–127 f Release samples		
	<b>RAM: 41 MB</b>	

**03 Tenor (10)**

**Level 1:** Articulations on "aa"  
 Staccatos "aa", "pa", "ra", "sa", "ta"  
 Sustained, normal and espressivo  
 Clusters, sustained  
 Crescendo and diminuendo, 2, 3, and 4 sec.  
 Sforzato  
 Legato performances, normal and espressivo  
 Trill performances, normal and espressivo  
 Glissando performances  
 Cluster performances

**Level 2:** Articulations on "uu"  
 Staccatos "uu", "pu", "ru", "su", "tu"  
 Sustained, normal and espressivo  
 Crescendo and diminuendo, 2, 3, and 4 sec.  
 Sforzato  
 Legato performances, normal and espressivo  
 Trill performances, normal and espressivo  
 Glissando performances

<b>01 ARTICULATIONS -AA-</b>	<b>Range: B2–C5</b>	<b>Level 1</b>
<b>01 V-Tenor10_stac AA</b> Staccato on "aa" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations	<b>Samples: 300</b>	<b>RAM: 18 MB</b>
<b>02 V-Tenor10_stac PA</b> Staccato on "pa", 5 alternations 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 150</b>	<b>RAM: 9 MB</b>
<b>03 V-Tenor10_stac RA</b> Staccato on "ra", 5 alternations 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 150</b>	<b>RAM: 9 MB</b>
<b>04 V-Tenor10_stac SA</b> Staccato on "sa", 5 alternations 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 150</b>	<b>RAM: 9 MB</b>
<b>05 V-Tenor10_stac TA</b> Staccato on "ta", 9 alternations 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 270</b>	<b>RAM: 16 MB</b>
<b>11 V-Tenor10_sus AA</b> Sustained on "aa" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations	<b>Samples: 375</b>	<b>RAM: 23 MB</b>
<b>12 V-Tenor10_sus AA_espr</b> Sustained on "aa", espressivo 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations	<b>Samples: 375</b>	<b>RAM: 23 MB</b>

<b>13 V-Tenor10_sus-cluster AA</b>	<b>Range: F3–G#4</b>	<b>Samples: 21</b>	<b>RAM: 1 MB</b>
Clusters on "aa" 1 velocity layer: 0–127 p Release samples 2 Alternations			
<b>21 V-Tenor10_dyn-2s AA</b>		<b>Samples: 100</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "aa", 2 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>22 V-Tenor10_dyn-3s AA</b>		<b>Samples: 100</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "aa", 3 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>23 V-Tenor10_dyn-4s AA</b>		<b>Samples: 100</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "aa", 4 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>25 V-Tenor10_sfz AA</b>		<b>Samples: 75</b>	<b>RAM: 4 MB</b>
Sforzato on "aa" 1 velocity layer 2 Alternations			
<b>31 V-Tenor10_perf-leg AA</b>		<b>Samples: 1239</b>	<b>RAM: 77 MB</b>
Interval performances: Legato on "aa" Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>32 V-Tenor10_perf-leg AA_espr</b>		<b>Samples: 1239</b>	<b>RAM: 77 MB</b>
Interval performances: Legato on "aa", espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>33 V-Tenor10_perf-trill AA</b>		<b>Samples: 1631</b>	<b>RAM: 101 MB</b>
Interval performances: Trills on "aa", minor and major 2nd Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>34 V-Tenor10_perf-trill AA_espr</b>		<b>Samples: 1631</b>	<b>RAM: 101 MB</b>
Interval performances: Trills on "aa", minor and major 2nd, espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>35 V-Tenor10_perf-gliss AA</b>	<b>Range: A#2–C5</b>	<b>Samples: 656</b>	<b>RAM: 41 MB</b>
Interval performances: Glissandos on "aa" Monophonic 2 velocity layers: 0–88 p; 89–127 f Release samples			

<b>36 V-Tenor10_perf-cluster AA</b>	<b>Range: F3–A4</b>	<b>Samples: 34</b>	<b>RAM: 2 MB</b>
Interval performances: Clusters on "aa" Monophonic 1 velocity layer: 0–127 p Release samples			
<b>02 ARTICULATIONS -UU-</b>	<b>Range: B2–C5</b>	<b>Level 2</b>	
<b>01 V-Tenor10_stac UU</b>		<b>Samples: 300</b>	<b>RAM: 18 MB</b>
Staccato on "uu" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations			
<b>02 V-Tenor10_stac PU</b>		<b>Samples: 150</b>	<b>RAM: 9 MB</b>
Staccato on "pu", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>03 V-Tenor10_stac RU</b>		<b>Samples: 150</b>	<b>RAM: 9 MB</b>
Staccato on "ru", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>04 V-Tenor10_stac SU</b>		<b>Samples: 150</b>	<b>RAM: 9 MB</b>
Staccato on "su", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>05 V-Tenor10_stac TU</b>		<b>Samples: 150</b>	<b>RAM: 9 MB</b>
Staccato on "tu", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>11 V-Tenor10_sus UU</b>		<b>Samples: 375</b>	<b>RAM: 23 MB</b>
Sustained on "uu" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations			
<b>12 V-Tenor10_sus UU espr</b>		<b>Samples: 375</b>	<b>RAM: 23 MB</b>
Sustained on "uu", espressivo 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations			
<b>21 V-Tenor10_dyn-2s UU</b>		<b>Samples: 100</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "uu", 2 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>22 V-Tenor10_dyn-3s UU</b>		<b>Samples: 100</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "uu", 3 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>23 V-Tenor10_dyn-4s UU</b>		<b>Samples: 100</b>	<b>RAM: 6 MB</b>
Crescendo and diminuendo on "uu", 4 sec. 1 velocity layer AB switch: crescendo/diminuendo			

<b>25 V-Tenor10_sfz UU</b>	<b>Samples: 75</b>	<b>RAM: 4 MB</b>
Sforzato on "uu" 1 velocity layer 2 Alternations		
<b>31 V-Tenor10_perf-leg UU</b>	<b>Samples: 1191</b>	<b>RAM: 74 MB</b>
Interval performances: Legato on "uu" Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>32 V-Tenor10_perf-leg UU_espr</b>	<b>Samples: 1191</b>	<b>RAM: 74 MB</b>
Interval performances: Legato on "uu", espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>33 V-Tenor10_perf-trill UU</b>	<b>Samples: 1591</b>	<b>RAM: 99 MB</b>
Interval performances: Trills on "uu", minor and major 2nd Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>34 V-Tenor10_perf-trill UU_espr</b>	<b>Samples: 1591</b>	<b>RAM: 99 MB</b>
Interval performances: Trills on "uu", minor and major 2nd, espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>35 V-Tenor10_perf-gliss UU</b>	<b>Samples: 656</b>	<b>RAM: 41 MB</b>
Interval performances: Glissandos on "uu" Monophonic 2 velocity layers: 0–88 p; 89–127 f Release samples		



**04 Bass (8)**

**Level 1:** Articulations on "aa"  
 Staccatos "aa", "pa", "ra", "sa", "ta"  
 Sustained, normal and espressivo  
 Clusters, sustained  
 Crescendo and diminuendo, 2, 3, and 4 sec.  
 Sforzato  
 Legato performances, normal and espressivo  
 Trill performances, normal and espressivo  
 Glissando performances  
 Cluster performances

**Level 2:** Articulations on "uu"  
 Staccatos "uu", "pu", "ru", "su", "tu"  
 Sustained, normal and espressivo  
 Crescendo and diminuendo, 2, 3, and 4 sec.  
 Sforzato  
 Legato performances, normal and espressivo  
 Trill performances, normal and espressivo  
 Glissando performances

<b>01 ARTICULATIONS -AA-</b>	<b>Range: C2–E4</b>	<b>Level 1</b>
<b>01 V-Bass8_stac AA</b> Staccato on "aa" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations	<b>Samples: 348</b>	<b>RAM: 21 MB</b>
<b>02 V-Bass8_stac PA</b> Staccato on "pa", 5 alternations 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 170</b>	<b>RAM: 10 MB</b>
<b>03 V-Bass8_stac RA</b> Staccato on "ra", 5 alternations 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 170</b>	<b>RAM: 10 MB</b>
<b>04 V-Bass8_stac SA</b> Staccato on "sa", 5 alternations 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 170</b>	<b>RAM: 10 MB</b>
<b>05 V-Bass8_stac TA</b> Staccato on "ta", 9 alternations 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 422</b>	<b>RAM: 26 MB</b>
<b>11 V-Bass8_sus AA</b> Sustained on "aa" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations	<b>Samples: 435</b>	<b>RAM: 27 MB</b>
<b>12 V-Bass8_sus AA_espr</b> Sustained on "aa", espressivo 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations	<b>Samples: 435</b>	<b>RAM: 27 MB</b>

<b>13 V-Bass8_sus-cluster AA</b>	<b>Range: C2–G#3</b>	<b>Samples: 33</b>	<b>RAM: 2 MB</b>
Clusters on "aa" 1 velocity layer: 0–127 p Release samples 2 Alternations			
<b>21 V-Bass8_dyn-2s AA</b>		<b>Samples: 116</b>	<b>RAM: 7 MB</b>
Crescendo and diminuendo on "aa", 2 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>22 V-Bass8_dyn-3s AA</b>		<b>Samples: 116</b>	<b>RAM: 7 MB</b>
Crescendo and diminuendo on "aa", 3 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>23 V-Bass8_dyn-4s AA</b>		<b>Samples: 116</b>	<b>RAM: 7 MB</b>
Crescendo and diminuendo on "aa", 4 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>25 V-Bass8_sfz AA</b>		<b>Samples: 87</b>	<b>RAM: 5 MB</b>
Sforzato on "aa" 1 velocity layer 2 Alternations			
<b>31 V-Bass8_perf-leg AA</b>		<b>Samples: 1491</b>	<b>RAM: 93 MB</b>
Interval performances: Legato on "aa" Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>32 V-Bass8_perf-leg AA_espr</b>		<b>Samples: 1491</b>	<b>RAM: 93 MB</b>
Interval performances: Legato on "aa", espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>33 V-Bass8_perf-trill AA</b>		<b>Samples: 1947</b>	<b>RAM: 121 MB</b>
Interval performances: Trills on "aa", minor and major 2nd Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>34 V-Bass8_perf-trill AA_espr</b>		<b>Samples: 1947</b>	<b>RAM: 121 MB</b>
Interval performances: Trills on "aa", minor and major 2nd, espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples			
<b>35 V-Bass8_perf-gliss AA</b>		<b>Samples: 784</b>	<b>RAM: 49 MB</b>
Interval performances: Glissandos on "aa" Monophonic 2 velocity layers: 0–88 p; 89–127 f Release samples			

<b>36 V-Bass8_perf-cluster AA</b>	<b>Range: C2–G#3</b>	<b>Samples: 54</b>	<b>RAM: 3 MB</b>
Interval performances: Clusters on "aa" Monophonic 1 velocity layer: 0–127 p Release samples			
<b>02 ARTICULATIONS -UU-</b>	<b>Range: C2–E4</b>	<b>Level 2</b>	
<b>01 V-Bass-8_stac UU</b>		<b>Samples: 348</b>	<b>RAM: 21 MB</b>
Staccato on "uu" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations			
<b>02 V-Bass8_stac PU</b>		<b>Samples: 170</b>	<b>RAM: 10 MB</b>
Staccato on "pu", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>03 V-Bass8_stac RU</b>		<b>Samples: 170</b>	<b>RAM: 10 MB</b>
Staccato on "ru", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>04 V-Bass8_stac SU</b>		<b>Samples: 169</b>	<b>RAM: 10 MB</b>
Staccato on "su", 5 alternations			
<b>05 V-Bass8_stac TU</b>		<b>Samples: 170</b>	<b>RAM: 10 MB</b>
Staccato on "tu", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>11 V-Bass8_sus UU</b>		<b>Samples: 432</b>	<b>RAM: 27 MB</b>
Sustained on "uu" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations			
<b>12 V-Bass8_sus UU_espr</b>		<b>Samples: 430</b>	<b>RAM: 26 MB</b>
Sustained on "uu", espressivo 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations			
<b>21 V-Bass8_dyn-2s UU</b>		<b>Samples: 116</b>	<b>RAM: 7 MB</b>
Crescendo and diminuendo on "uu", 2 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>22 V-Bass8_dyn-3s UU</b>		<b>Samples: 116</b>	<b>RAM: 7 MB</b>
Crescendo and diminuendo on "uu", 3 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>23 V-Bass8_dyn-4s UU</b>		<b>Samples: 116</b>	<b>RAM: 7 MB</b>
Crescendo and diminuendo on "uu", 4 sec. 1 velocity layer AB switch: crescendo/diminuendo			

<b>25 V-Bass8_sfz UU</b>	<b>Samples: 87</b>	<b>RAM: 5 MB</b>
Sforzato on "uu" 1 velocity layer 2 Alternations		
<b>31 V-Bass8_perf-leg UU</b>	<b>Samples: 1488</b>	<b>RAM: 93 MB</b>
Interval performances: Legato on "uu" Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>32 V-Bass8_perf-leg UU_espr</b>	<b>Samples: 1486</b>	<b>RAM: 92 MB</b>
Interval performances: Legato on "uu", espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>33 V-Bass8_perf-trill UU</b>	<b>Samples: 1944</b>	<b>RAM: 121 MB</b>
Interval performances: Trills on "uu", minor and major 2nd Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>34 V-Bass8_perf-trill UU_espr</b>	<b>Samples: 1942</b>	<b>RAM: 121 MB</b>
Interval performances: Trills on "uu", minor and major 2nd, espressivo Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>35 V-Bass8_perf-gliss UU</b>	<b>Samples: 782</b>	<b>RAM: 48 MB</b>
Interval performances: Glissandos on "uu" Monophonic 2 velocity layers: 0–88 p; 89–127 f Release samples 2 Alternations		

## 10 Choir Extras

### 01 Full Choir

- Level 1:** Articulations on "aa"  
 Staccatos "aa", "pa", "ra", "sa", "ta"  
 Sustained, normal and espressivo  
 Clusters, sustained  
 Crescendo and diminuendo, 2, 3, and 4 sec.  
 Sforzato
- Level 2:** Articulations on "uu"  
 Staccatos "uu", "pu", "ru", "su", "tu"  
 Sustained, normal and espressivo  
 Crescendo and diminuendo, 2, 3, and 4 sec.  
 Sforzato

### 01 Full Choir/01 ARTICULATIONS -AA-

Range: C2–C6

Level 1

Bass: C2–E3; Tenor: F3–B3; Alto: C4–A4; Soprano: A#4–C6

#### 01 V-Choir\_stac AA

Samples: 588 RAM: 36 MB

Staccato on "aa"  
 2 velocity layers: 0–88 p; 89–127 f  
 4 Alternations

#### 02 V-Choir\_stac PA

Samples: 290 RAM: 18 MB

Staccato on "pa", 5 alternations  
 2 velocity layers: 0–88 p; 89–127 f

#### 03 V-Choir\_stac RA

Samples: 290 RAM: 18 MB

Staccato on "ra", 5 alternations  
 2 velocity layers: 0–88 p; 89–127 f

#### 04 V-Choir\_stac SA

Samples: 290 RAM: 18 MB

Staccato on "sa", 5 alternations  
 2 velocity layers: 0–88 p; 89–127 f

#### 05 V-Choir\_stac TA

Samples: 650 RAM: 40 MB

Staccato on "ta", 9 alternations  
 2 velocity layers: 0–88 p; 89–127 f

#### 11 V-Choir\_sus AA

Samples: 799 RAM: 49 MB

Sustained on "aa"  
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
 Release samples  
 2 Alternations

#### 12 V-Choir\_sus AA\_espr

Samples: 799 RAM: 49 MB

Sustained on "aa", espressivo  
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
 Release samples  
 2 Alternations

<b>13 V-Choir_sus-cluster AA</b>	<b>Range: C2–A#5</b>	<b>Samples: 75</b>	<b>RAM: 4 MB</b>
Clusters on "aa" 1 velocity layer: 0–127 p Release samples 2 Alternations			
<b>21 V-Choir_dyn-2s AA</b>		<b>Samples: 200</b>	<b>RAM: 12 MB</b>
Crescendo and diminuendo on "aa", 2 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>22 V-Choir_dyn-3s AA</b>		<b>Samples: 196</b>	<b>RAM: 12 MB</b>
Crescendo and diminuendo on "aa", 3 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>23 V-Choir_dyn-4s AA</b>		<b>Samples: 196</b>	<b>RAM: 12 MB</b>
Crescendo and diminuendo on "aa", 4 sec. 1 velocity layer AB switch: crescendo/diminuendo			
<b>25 V-Choir_sfz AA</b>		<b>Samples: 147</b>	<b>RAM: 9 MB</b>
Sforzato on "aa" 1 velocity layer 2 Alternations			
<b>01 Full Choir/02 ARTICULATIONS -UU-</b>	<b>Range: C2–C6</b>		<b>Level 2</b>
Bass: C2–E3; Tenor: F3–B3; Alto: C4–A4; Soprano: A#4–C6			
<b>01 V-Choir_stac UU</b>		<b>Samples: 588</b>	<b>RAM: 36 MB</b>
Staccato on "uu" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations			
<b>02 V-Choir_stac PU</b>		<b>Samples: 290</b>	<b>RAM: 18 MB</b>
Staccato on "pu", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>03 V-Choir_stac RU</b>		<b>Samples: 290</b>	<b>RAM: 18 MB</b>
Staccato on "ru", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>04 V-Choir_stac SU</b>		<b>Samples: 290</b>	<b>RAM: 18 MB</b>
Staccato on "su", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>05 V-Choir_stac TU</b>		<b>Samples: 290</b>	<b>RAM: 18 MB</b>
Staccato on "tu", 5 alternations 2 velocity layers: 0–88 p; 89–127 f			
<b>11 V-Choir_sus UU</b>		<b>Samples: 842</b>	<b>RAM: 52 MB</b>
Sustained on "uu" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations			

<b>12 V-Choir_sus UU_espr</b>	<b>Samples: 851</b>	<b>RAM: 53 MB</b>
Sustained on "uu", espressivo 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations		
<b>21 V-Choir_dyn-2s UU</b>	<b>Samples: 196</b>	<b>RAM: 12 MB</b>
Crescendo and diminuendo on "uu", 2 sec. 1 velocity layer AB switch: crescendo/diminuendo		
<b>22 V-Choir_dyn-3s UU</b>	<b>Samples: 196</b>	<b>RAM: 12 MB</b>
Crescendo and diminuendo on "uu", 3 sec. 1 velocity layer AB switch: crescendo/diminuendo		
<b>23 V-Choir_dyn-4s UU</b>	<b>Samples: 196</b>	<b>RAM: 12 MB</b>
Crescendo and diminuendo on "uu", 4 sec. 1 velocity layer AB switch: crescendo/diminuendo		
<b>25 V-Choir_sfz UU</b>	<b>Samples: 147</b>	<b>RAM: 9 MB</b>
Sforzato on "uu" 1 velocity layer 2 Alternations		
<b>02 Sopran [16+16]</b>		
<b>Range: A#3–C6</b>		
<b>Level 1:</b> Sustained, "aa" Legato performances, "aa"		
<b>Level 2:</b> Sustained, "uu" Legato performances, "uu"		
<b>01 V-Sopran32_sus AA</b>	<b>Samples: 375</b>	<b>RAM: 23 MB</b> <b>Level 1</b>
Sustained on "aa" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations		
<b>02 V-Sopran32_perf-leg AA</b>	<b>Samples: 1239</b>	<b>RAM: 77 MB</b> <b>Level 1</b>
Interval performances: Legato on "aa" Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
<b>11 V-Sopran32_sus UU</b>	<b>Samples: 375</b>	<b>RAM: 23 MB</b> <b>Level 2</b>
Sustained on "uu" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations		
<b>12 V-Sopran32_perf-leg UU</b>	<b>Samples: 1239</b>	<b>RAM: 77 MB</b> <b>Level 2</b>
Interval performances: Legato on "uu" Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		

**03 Creepy****Level 1****Level 1:** "Creepy" tones, female and male**01 Female creepy-sus****Range:** E3–C5**Samples:** 24**RAM:** 1 MB

Sustained, "creepy" female voices  
 1 velocity layer: 0–127 p  
 Release samples  
 2 Alternations

**02 Male creepy\_sus****Range:** C2–C4**Samples:** 30**RAM:** 1 MB

Sustained, "creepy" male voices  
 1 velocity layer: 0–127 p  
 Release samples  
 2 Alternations

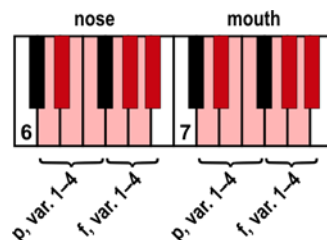
**04 Additional****Level 1****Level 1:** Soprano, Alto, Tenor, Bass  
Breathing noises, nose and mouth**01 V-Sopran16\_breathing****Range:** D6–A#7**Samples:** 16**RAM:** 1 MB

Breathing noise, p and f, 4 variations each  
 2 velocity layers: D–F p; G–A#: f

**Mapping:**

D6–F6: nose, p; G6–A#6: nose, f

D7–F7: mouth, p; G7–A#7: mouth, f

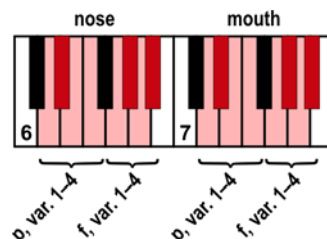
**11 V-Alt10\_breathing****Range:** D6–A#7**Samples:** 16**RAM:** 1 MB

Breathing noise, p and f, 4 variations each  
 2 velocity layers: D–F p; G–A#: f

**Mapping:**

D6–F6: nose, p; G6–A#6: nose, f

D7–F7: mouth, p; G7–A#7: mouth, f





**21 V-Tenor10\_breathing**

Range: D6–A#7

Samples: 16

RAM: 1 MB

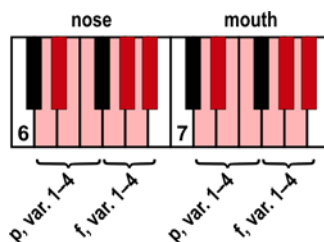
Breathing noise, p and f, 4 variations each

2 velocity layers: D–F p; G–A#: f

**Mapping:**

D6–F6: nose, p; G6–A#6: nose, f

D7–F7: mouth, p; G7–A#7: mouth, f

**31 V-Bass8\_breathing**

Range: D6–A#7

Samples: 16

RAM: 1 MB

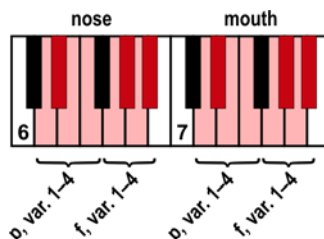
Breathing noise, p and f, 4 variations each

2 velocity layers: D–F p; G–A#: f

**Mapping:**

D6–F6: nose, p; G6–A#6: nose, f

D7–F7: mouth, p; G7–A#7: mouth, f

**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 -AA-

Level 1

### 01 Full Choir Basic - AA

Samples: 2348 RAM: 146 MB

Basic articulations on "aa"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Clusters

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

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	clusters
V2	staccato	sustained, espressivo	sforzato	cres-dim 3 sec.	clusters
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	clusters

### 02 Full Choir Short Note Combis - AA

Samples: 3669 RAM: 229 MB

Staccatos "aa", "pa", "ra", "sa" and "ta"

Combinations with sustained notes and dynamics

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "aa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ra"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "sa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ta"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

### 11 Sopran Basic - AA

Samples: 3075 RAM: 192 MB

Articulations on "aa"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

Clusters and cluster performances

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando	clusters
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando	perf. clusters
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando	perf. clusters

**12 Sopran Short Note Combis - AA****Samples: 1861 RAM: 116 MB**

Staccatos "aa", "pa", "ra", "sa" and "ta"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "aa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ra"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "sa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ta"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

**13 Sopran Creepy Combis - AA****Samples: 720 RAM: 45 MB**

Female "creepy" tones and combinations with glissando and cluster performances

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
"creepy"	single	+ glissando	+ perf. clusters

**21 Alt Basic - AA****Samples: 3180 RAM: 198 MB**

Articulations on "aa"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

Clusters and cluster performances

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando	clusters
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando	perf. clusters
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando	perf. clusters

**22 Alt Short Note Combis - AA****Samples: 1898 RAM: 118 MB**

Staccatos "aa", "pa", "ra", "sa" and "ta"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "aa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ra"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "sa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ta"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

**23 Alt Creepy Combis - AA****Samples: 721 RAM: 45 MB**

Female "creepy" tones and combinations with glissando and cluster performances

The parallel Cell contains breathing noises.

**Matrix switches:** Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
"creepy"	single	+ glissando	+ perf. clusters

**31 Tenor Basic - AA****Samples: 3071 RAM: 191 MB**

Articulations on "aa"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

Clusters and cluster performances

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando	clusters
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando	perf. clusters
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando	perf. clusters

**32 Tenor Short Note Combis - AA****Samples: 1861 RAM: 116 MB**

Staccatos "aa", "pa", "ra", "sa" and "ta"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "aa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ra"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "sa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ta"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

**33 Tenor Creepy Combis - AA****Samples: 723 RAM: 45 MB**

Male "creepy" tones and combinations with glissando and cluster performances

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
"creepy"	single	+ glissando	+ perf. clusters

**41 Bass Basic - AA****Samples: 3655 RAM: 228 MB**

Articulations on "aa"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

Clusters and cluster performances

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando	clusters
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando	perf. clusters
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando	perf. clusters

**42 Bass Short Note Combis - AA****Samples: 2137 RAM: 133 MB**

Staccatos "aa", "pa", "ra", "sa" and "ta"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "aa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ra"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "sa"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ta"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

**43 Bass Creepy Combis - AA****Samples: 863 RAM: 53 MB**

Male "creepy" tones and combinations with glissando and cluster performances

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
"creepy"	single	+ glissando	+ perf. clusters

**Matrix -UU- (extended)****Level 2****01 Full Choir Basic - UU****Samples: 2310 RAM: 144 MB**

Basic articulations on "uu"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

**Matrix switches:** Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1
V1	staccato	sustained	sforzato	cres-dim 2 sec.
V2	staccato	sustained, espressivo	sforzato	cres-dim 3 sec.
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.

**02 Full Choir Short Note Combis - UU****Samples: 3470 RAM: 216 MB**

Staccatos "uu", "pu", "ru", "su" and "tu"

Combinations with sustained notes and dynamics

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "uu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ru"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "su"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "tu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

**11 Sopran Basic - UU****Samples: 3036 RAM: 189 MB**

Articulations on "uu"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando

**12 Sopran Short Note Combis - UU****Samples: 1740 RAM: 108 MB**

Staccatos "uu", "pu", "ru", "su" and "tu"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "uu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ru"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "su"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "tu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

**13 Sopran Creepy Combis - UU****Samples: 696 RAM: 43 MB**

Female "creepy" tones, and a combination with glissando performances

The parallel Cell contains breathing noises

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

	C1	C#1
"creepy"	single	+ glissando

**21 Alt Basic - UU****Samples: 3114 RAM: 194 MB**

Articulations on "uu"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando

**22 Alt Short Note Combis - UU****Samples: 1746 RAM: 109 MB**

Staccatos "uu", "pu", "ru", "su" and "tu"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "uu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ru"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "su"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "tu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

**23 Alt Creepy Combis - UU****Samples: 700 RAM: 43 MB**

Female "creepy" tones, and a combination with glissando performances

The parallel Cell contains breathing noises

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

	C1	C#1
"creepy"	single	+ glissando



**31 Tenor Basic - UU****Samples: 2989 RAM: 186 MB**

Articulations on "uu"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando

**32 Tenor Short Note Combis - UU****Samples: 1741 RAM: 108 MB**

Staccatos "uu", "pu", "ru", "su" and "tu"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "uu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ru"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "su"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "tu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

**33 Tenor Creepy Combis - UU****Samples: 702 RAM: 43 MB**

Male "creepy" tones, and a combination with glissando performances

The parallel Cell contains breathing noises

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

	C1	C#1
"creepy"	single	+ glissando

**41 Bass Basic - UU****Samples: 3595 RAM: 224 MB**

Articulations on "uu"

Staccato

Sustained normal and espressivo, and normal/espressivo with Cell crossfading

Sforzato

Crescendo and diminuendo 2, 3, and 4 sec.

Legato and trills normal and espressivo, and normal/espressivo with Cell crossfading

Glissando performances

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando
V2	staccato	sustained espressivo	sforzato	cres-dim 3 sec.	legato espressivo	trills espressivo	glissando
V3	staccato	sus/espressivo Cell XF	sforzato	cres-dim 4 sec.	leg/espressivo Cell XF	trills/espressivo Cell XF	glissando

**42 Bass Short Note Combis - UU****Samples: 1994 RAM: 124 MB**

Staccatos "uu", "pu", "ru", "su" and "tu"

Combinations with sustained notes and dynamics

The parallel Cell contains breathing noises

**Matrix switches:** Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
staccato "uu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "pu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "ru"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "su"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato
staccato "tu"	single	+ sustained	+ sus- espressivo	+ dyn. 2 sec.	+ dyn. 3 sec.	+ dyn. 4 sec.	+ sforzato

**43 Bass Creepy Combis - UU****Samples: 828 RAM: 51 MB**

Male "creepy" tones, and a combination with glissando performances

The parallel Cell contains breathing noises

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

	C1	C#1
"creepy"	single	+ glissando

## Presets

### Preset -AA-

Level 1

#### 01 Full Choir - AA - Preset

Samples: 3744 RAM: 234 MB

Matrices:

01 Full Choir Basic - AA

02 Full Choir Short Note Combis - AA

Matrix Keyswitches: A1, A#1

#### 02 Sopran - AA - Preset

Samples: 3819 RAM: 238 MB

Matrices:

11 Sopran Basic - AA

12 Sopran Short Note Combis - AA

13 Sopran Creepy Combis - AA

Matrix Keyswitches: A1–B1

#### 03 Alt - AA - Preset

Samples: 3924 RAM: 245 MB

Matrices:

21 Alt Basic - AA

22 Alt Short Note Combis - AA

23 Alt Creepy Combis - AA

Matrix Keyswitches: A1–B1

#### 04 Tenor - AA - Preset

Samples: 3821 RAM: 238 MB

Matrices:

31 Tenor Basic - AA

32 Tenor Short Note Combis - AA

33 Tenor Creepy Combis - AA

Matrix Keyswitches: A1–B1

#### 05 Bass - AA - Preset

Samples: 4501 RAM: 281 MB

Matrices:

41 Bass Basic - AA

42 Bass Short Note Combis - AA

43 Bass Creepy Combis - AA

Matrix Keyswitches: A1–B1

**Preset -UU- (extended)****Level 2****11 Full Choir - UU - Preset****Samples: 3470 RAM: 216 MB**

Matrices:

01 Full Choir Basic - UU

02 Full Choir Short Note Combis - UU

Matrix Keyswitches: A1, A#1

**12 Sopran - UU - Preset****Samples: 3660 RAM: 228 MB**

Matrices:

11 Sopran Basic - UU

12 Sopran Short Note Combis - UU

13 Sopran Creepy Combis - UU

Matrix Keyswitches: A1–B1

**13 Alt - UU - Preset****Samples: 3738 RAM: 233 MB**

Matrices:

21 Alt Basic - UU

22 Alt Short Note Combis - UU

23 Alt Creepy Combis - UU

Matrix Keyswitches: A1–B1

**14 Tenor - UU - Preset****Samples: 3619 RAM: 226 MB**

Matrices:

31 Tenor Basic - UU

32 Tenor Short Note Combis - UU

33 Tenor Creepy Combis - UU

Matrix Keyswitches: A1–B1

**15 Bass - UU - Preset****Samples: 4304 RAM: 269 MB**

Matrices:

41 Bass Basic - UU

42 Bass Short Note Combis - UU

43 Bass Creepy Combis - UU

Matrix Keyswitches: A1–B1