Emotional Viola

by Harmonic Subtones
Kontakt Instrument

Quickstart

MANUAL 1.0.0

HARMONIC
SUBTONES

Epilogue

HARMONIC SUBTONES or:

THE UNUSUAL ASPECTS OF AN USUAL SUSPECT

While we were looking at the harmonic highs and the subtonical lows of sample libraries in our daily work as composers, we realized that there weren´t any solo strings on the market that were inspiring, easy to play or at least convincing - even after a huge amount of deep forensic programming. After having edited a plenty of commercial library patches to our personal liking we thought: "why not record the solo strings ourselves? "

That was the beginning which led to our first sample library, the critically acclaimed EMOTIONAL CELLO.

We were enthusiastic to create the next Instrument, the EMOTIONAL VIOLIN within a short amount of time. To push the limits of what is possible, a completely new contact script was developed and the violin was enhanced with many new features and playing possibilities.

Following the Violin conception, we now add the long-awaited EMOTIONAL VIOLA as the logical consequence. We were searching for the one specific player that perfectly matches with the sound of the EMOTIONAL CELLO and the EMOTIONAL VIOLIN to bridge the gap.

Now after hundreds of hours of recording, editing, revision, and optimizing we present you a very comprehensive virtual instrument, that can be played with ease - out of the box - but also can be tweaked when digging deeper into the functions. It can cover a variety of musical styles and a broad range of musical settings and tempos.

And most important it has that unique, one-of-a-kind, harmonic-subtones-attitude.

EMOTIONAL VIOLA is compatible with NKS

Be inspired!

The library structure:

The Emotional Viola Library consists of **the Master Patch** with 25 articulation keyswitches and 18 ornament - articulations. The Master Patch covers the main range of articulations. The complete library covers far over 50 different articulations and variations.

Masterpatch:

This patch unites all important styles, from a romantic sound with unique vibrato variations to nordic interpretations. Most articulations can be played directly with real legato, which automatically adapts to the playing speed.

Individuals:

Accompanying the master patch you will find the "**Individuals" patches**.

These are key switch patches with **different articulations of the same category** like sustain, shorts, trills and more.

While the master patch is a workhorse, giving you instant access to almost every playing style that you might expect from a viola performance, single patches are packed together in the "**Individuals"** in categories to let you select specific articulations at a time.

These patches don´t offer legato functions. Some of these articulations are contained in the master patch, but there is also additional material.

Tip: Choose the single articulation that fits your needs and purge or unload the unused articulations.

Specials:

The "**Specials"** - patch contain some unusual articulations and effects.

The **Stackable Patch** contains the core articulations with standardized keyswitching in order to match with the stackable patches of EMOTIONAL VIOLIN & CELLO.

The Main GUI Page - A Quickstart:

The Master Patches contain the main articulations combined into one patch.

TIP: Every control in the GUI can be assigned via midi-learn to your individual Midi CCs.

Choose your playing articulation by pressing the assigned keyswitch or by clicking on the name

Choose an ornament - articulation by pressing the assigned keyswitch while playing a note.

Click to assign your custom keyswitch note via MIDI - learn

Click to assign your custom keyswitch note via MIDI - learn

Unload/load articulations and purge/unpurge the respective samples

Monitors the actual playing articulation and legato style

Unload/load articulations and purge/unpurge the respective samples

Set your velocity splitpoint value for portamento below the actual shown number

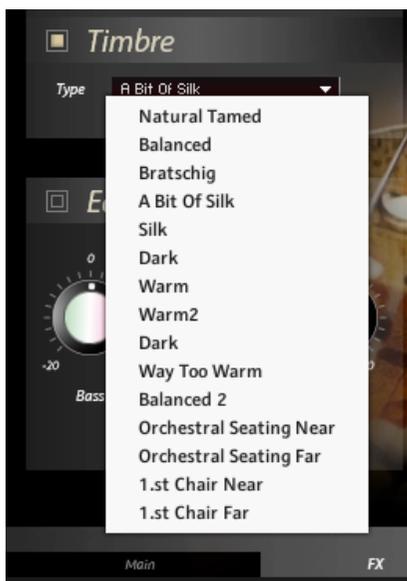**Set your velocity splitpoint value for bowchange legato above the actual shown number**

Volume & Crossfade control with CC1.
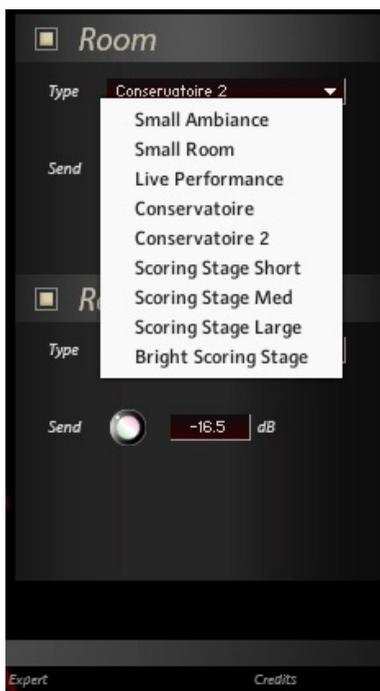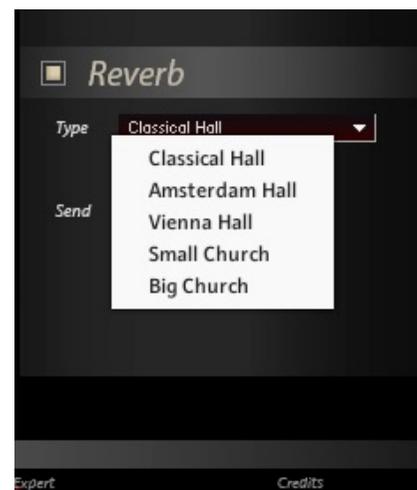
Set your desired dynamic range

Emotional Viola — Kontakt instrument GUI

01.Emotional Viola
Output: st. 1   Voices: 0   Max: 1024   Purge
MIDI Ch: [A] 1   Memory: 1.40 GB

Tune 0.00

Emotional Viola
HARMONIC SUBTONES

Articulations
	Note	Name
	G#-1	Spiccato
	A-1	Rota Spic
	A#-1	Pizzicato
	B-1	Fliegender Aufstrich
	C0	Delicate Phrased
	C#0	Delicate Sustain
	D0	Touch Sense Espressivo
	D#0	Espressivo Long
	E0	Progressive Vibrato Phrased
	F0	Progressive Vibrato Long
	F#0	Espressive Brahms
	G0	Brahms long
	G#0	Arpeggio Shorts RR
	A0	Rota Vivid
	A#0	Czardas Sfz
	B0	Sustain Vib XFDe
	C1	Sustain Non Vib XFDe
	C#1	Kernig NV Shorts
	D1	Nordic long
	D#1	Nordic Variety
	E1	Fast Lines Late Vib
	F1	Fast Lines Swelling Vib
	F#1	Tremolo XFDe
	G1	Trill HT
	G#1	Trill WT

Ornament - M.S
	Note	Name
	A1	Rebow Sus1
	A#1	Rebow Sus2
	B1	Rebow To End
	G5	Fall!
	G#5	Rise
	A5	To Late Vib
	A#5	To Dolce
	B5	To End Crescendo
	C6	To Long Swell
	C#6	Get Dramatic
	D6	Fade Out
	D#6	To Tremolo
	E6	To Tremolo Sulponticello
	F6	To Halftone Trill
	F#6	To Wholetone Trill
	G6	To Sulponticello
	G#6	Harmonic Short!
	A6	Harmonic Sus

Dolce

Porta. Vel. 30   Bow Change Vel. 86   X Fade   Dyn. Range 28.3

Main   FX   Expert   Crescendo

HARMONIC SUBTONES

The FX page:

Sordino Timbre ON/OFF

Select your prefered timbre

Timbre ON / OFF switch

Equalizer ON / OFF switch

Room ON / OFF switch

Select type of room and control the amount of effect

Reverb ON / OFF switch

Select type of reverb and control the amount of effect

There are 15 different timbres:

Natural Tamed
Balanced
Bratschig
A Bit Of Silk
Silk
Dark
Warm
Warm2
Dark
Way Too Warm
Balanced 2
Orchestral Seating Near
Orchestral Seating Far
1.st Chair Near
1.st Chair Far

There are 9 different room settings:

Small Ambiance
Small Room
Live Performance
Conservatoire
Conservatoire 2
Scoring Stage Short
Scoring Stage Med
Scoring Stage Large
Bright Scoring Stage

There are 5 different reverb settings:

Classical Hall
Amsterdam Hall
Vienna Hall
Small Church
Big Church

Add an additional attack to non-legato notes, it will be kept in memory, when switching to another key switch articulation.

Adjust the volume of the attack notes

Attack

Type   Attack Off

Volume   0.0   dB

Look for a microtuning Preset

Emotional Viola
HARMONIC SUBTONES

Micro Tuning

Reset

Set how much % of the microtuning will be used.

Key   C

Amount   0   %

C Db D Eb E F Gb G Ab A Bb B

Poly Legato

Legato speed automation ON/OFF

Poly Legato ON/OFF

Monophonic when turned off

Legato Trimming

Auto Mode

faster

Portamento Trimming

faster

Portamento Volume

0.0   dB

Define your own Microtuning

Pitch Bend Sensitivity

Setup your pitchbend range from microtuning to wholetone step

Choose portamento speed
left: slow
right: fast

Trim the portamento volume

Choose legato speed, when „Auto Mode" is off

MI   FX   Expert   Cre

6

Detailed Information:

Masterpatches:

THE EMOTIONAL VIOLA

Articulations	
G#-1	Spiccato
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A#-1	Pizzicato
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C0	Delicate Phrased
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F1	Fast Lines Swelling Vib
F#1	Tremolo XFDe
G1	Trill HT
G#1	Trill WT

The Master Patch contains the main articulations combined into one patch. These articulations can be chosen by key switch or by clicking on their articulation names.

There are two types of articulations :

1. Shorts
2. True Legato

Unload / Load Articulations by clicking on the rectangle besides the key switch note name.

Customize the keyswitch notes by clicking the note name. A "Learn" sign appears and by playing the note on the keyboard the keyswitch will be set to the specific note. If a note is chosen which is already in use the latter will be deactivated.

The Load/Unload and MIDI-Learn feature works the same way for the Ornament- MKS

The Ornament - MKS:

The Ornament keyswitches are momentary keyswitches that trigger a new articulation if they are pressed.
These Momentary keyswitches are designed for:

- Blending into another articulation (like Trills, Tremolos....)
- Leading to a different ending (like soft end, crescendo end....)
- Re-bowing a sustain
- Crossfading to Vibrato
- Crossfading to effects (Rise, Fall, Harmonic Short......)

There are two ways to use it:

1.) Press the MKS **after** you have played a note in the instrument range, and it will crossfade to another articulation. When releasing the MKS, it crossfades back to the articulation played before.

2.) Press the MKS **before** you play a note in the instrument range, hold it and then play a note. It starts with the MKS-artikulation and crossfades to the main articulation when released. (e.g. start with tremolo sfz-MKs and crossfade back to normal sustain)

Ornament - MKS	
A1	Rebow Sus1
A#1	Rebow Sus2
B1	Rebow To End
G5	Fall!
G#5	Rise
A5	To Late Vib
A#5	To Dolce
B5	To Fast Crescendo
C6	To Long Swell
C#6	Get Dramatic
D6	Fade Out
D#6	To Tremolo
E6	To Tremolo Sulponticello
F6	To Halftone Trill
F#6	To Wholetone Trill
G6	To Sulponticello
G#6	Harmonic Short!
A6	Harmonic Sus

HARMONIC SUBTONES

The Legato Mode:

In Legato mode the script will automatically detect if you play legato or not. It chooses starting notes when playing non legato and legato transition notes and innerphrase sustains when playing legato.

All legato notes of the KSW except short articulations are connected with transition notes.

The Legato articulations have 3 different legato transition types :

1. **Bowchange legato**: Two notes were played legato by changing the bow direction while moving from the first note to the second.
2. **Finger legato:** Two notes were played legato by putting on / or releasing one finger on the fretboard while moving from the first note to the second.
3. **Portamento:** Two notes were played legato by sliding the finger up or down from the first note to the second.

The different legato styles are adressed by velocity when playing legato:

High velocity triggers **bow change legato**

Middle velocity triggers **finger legato**

Low velocity triggers **portamento**

The **trigger switch point** can be set with the faders in the **transition velocity windows** on the bottom left and right of the user interface:
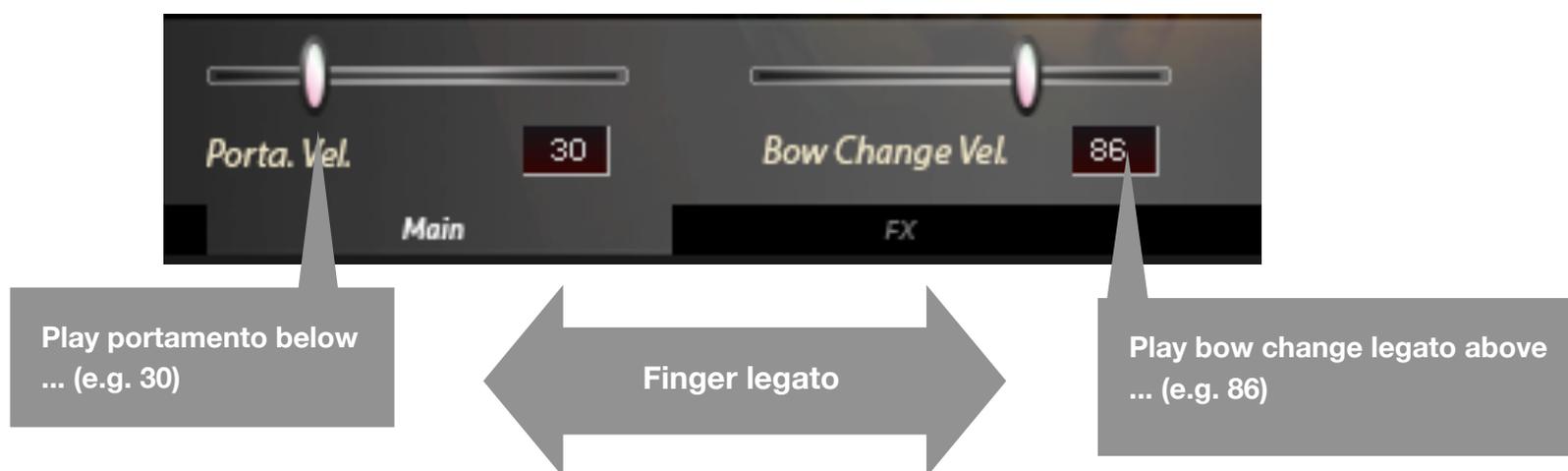
Portamento Velocity sets the highest velocity value of the portamento range from zero to your choice.
(The lowest velocity value for the finger legato range is defined by this choice.)

Bow Change Velocity sets the lowest velocity value of the bow change range from your choice to 127.
(The highest velocity value for the Finger legato range is defined by this choice.)

Tip:
you can deactivate any legato transition type by changing the velocity ranges in these two windows:

- Portamento only: move the Portamento velocity slider to 127
- Finger legato only: move the Portamento velocity slider to 0 and the bow change velocity slider to 127
- Bow change legato only: move the Bow change velocity slider to 0

Legato Speed: (legato transition speed)

On the **Expert Page** of the GUI you will find the transition speed trimming.
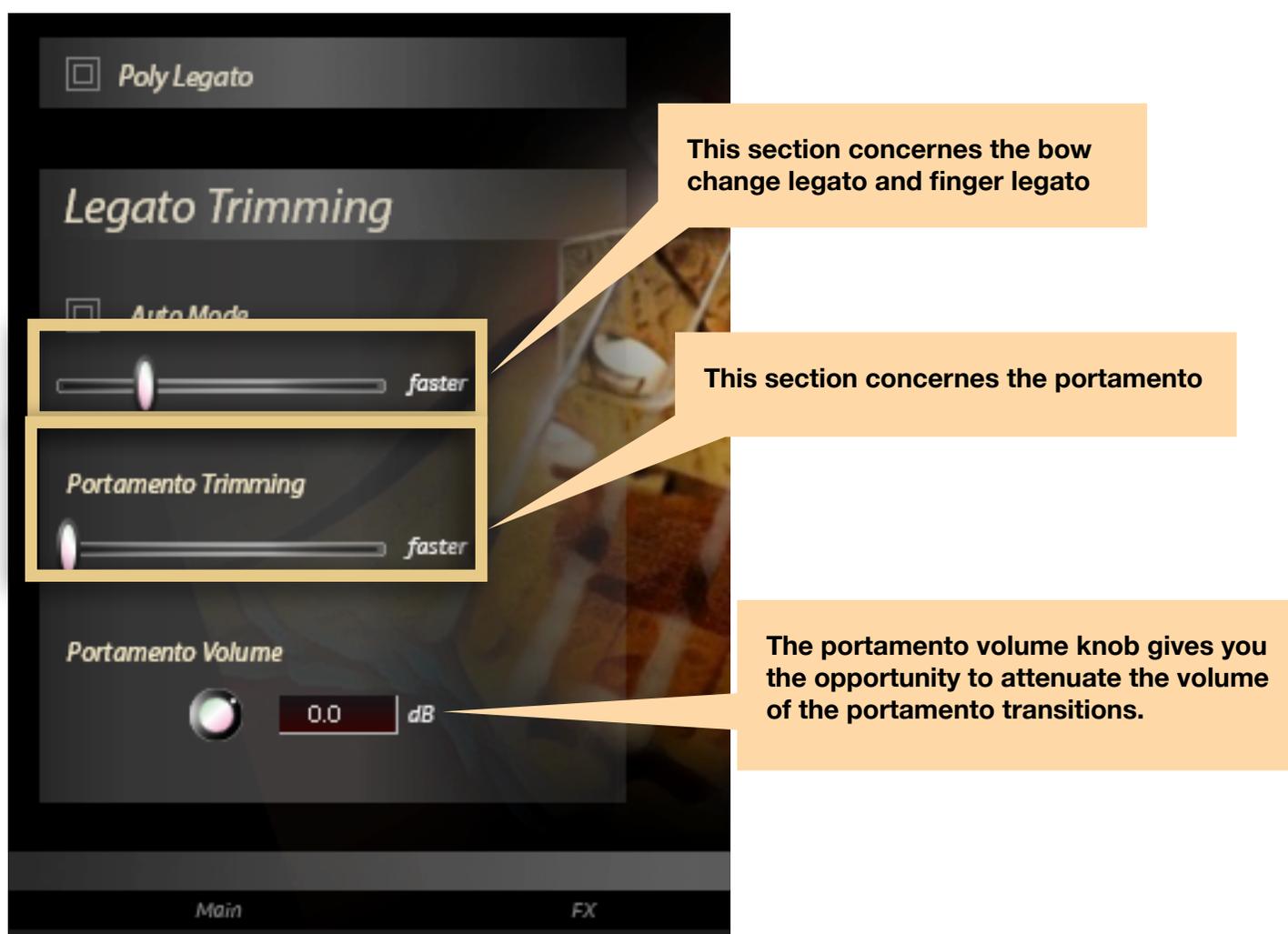
There are two options:

- Legato trimming: this affects the speed **of bow change - and finger legato**

- Portamento trimming: this affects the **portamento only**

Drawing the slider knob to the left the legato gets slower

The **Legato Trimming** offers additional options:
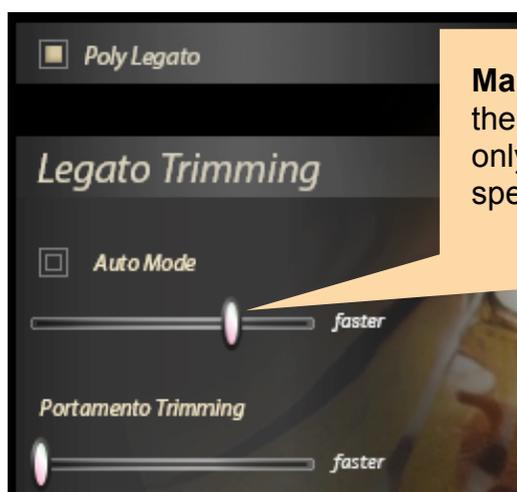
Manual:
the legato speed is determined only by the manual setting of the speed slider.
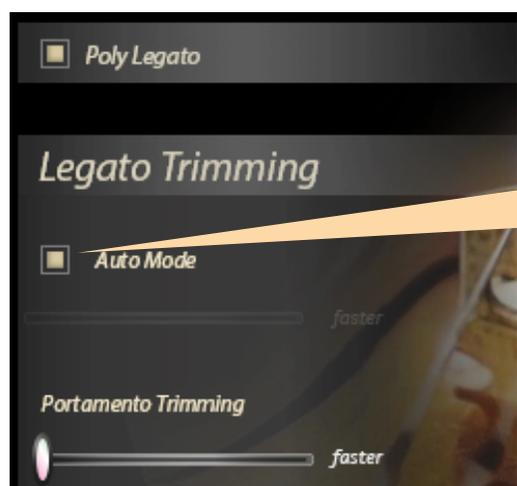
Auto Mode: the script will adopt your playing speed. When playing faster the legato gets faster automatically.

There is an option to switch between polyphonic legato and monophonic legato.
In polyphonic legato the script detects polyphonic playing (with more than one voice) and will intelligently use the most logical voice leading within. This needs a perfectly accurate legato playing for the script to detect what is chordal playing and what is single note playing.
You can turn polyphonic legato OFF. Only one note is played at a time. It´s the best solution for melody lines.
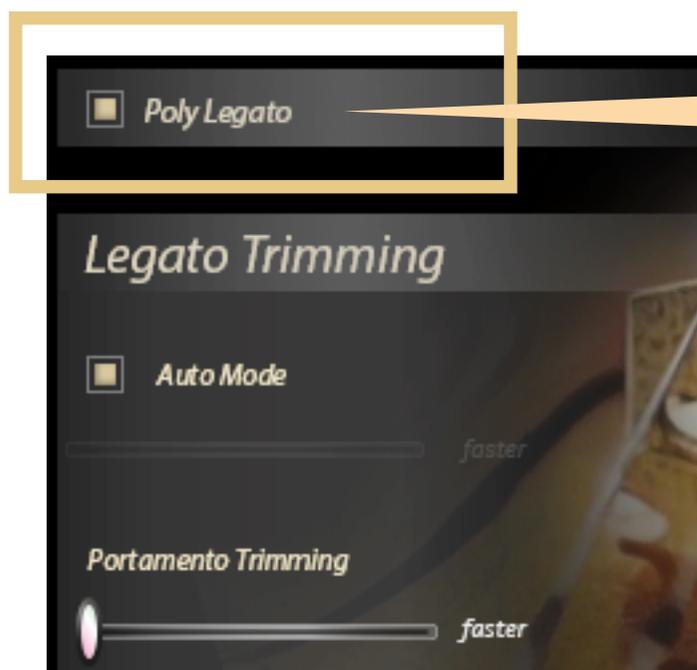
Poly Legato ON / OFF

Monophonic when turned off

The **articulation status monitor** shows the active articulation. It will also show which legato transition is used while playing. This control is for **monitoring only**.

Status of the articulation that is currently playing or the legato-type that is used

The XFade knob works as Volume control of the Instrument. In case of articulations that contain different dynamic layers it also works as crossfade control.
With the Dynamic Range Knob, you can adjust the amount of volume increase of the instrument.
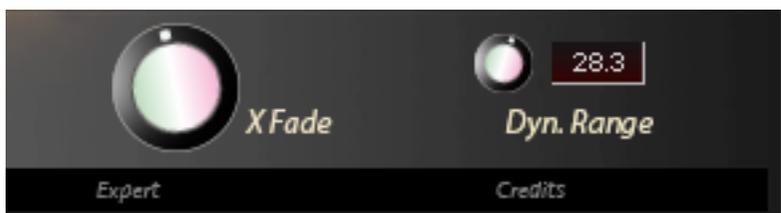
Attack:

The **attack Mode Area** offers the opportunity to **add** an additional attack with round robin.
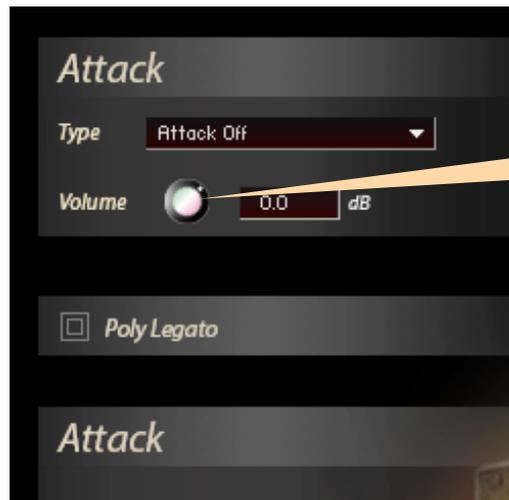
With the Volume controller you can adjust the attack note volume

This attack is designed to only be added to notes that are played
non legato.
When you have activated it in connection with a *legato - articulation*
it turns off automatically when a *shorts – articulation* is chosen .

There are different **attack types** available:
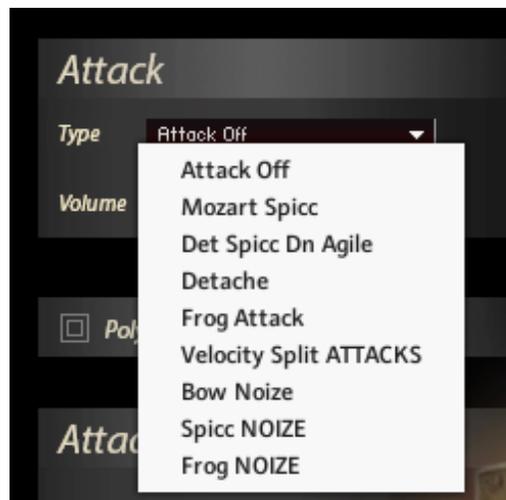
The attack type chosen will be kept in memory for the specific
articulation. It can be defined for each legato articulation.

This function generates an overlay of attack samples over sustains. Some articulations already have „attack mode on" - these have been specially treated to avoid phasing in the sustains. Disabling the attack mode in these cases might cause strange behaviour.

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The FX Page
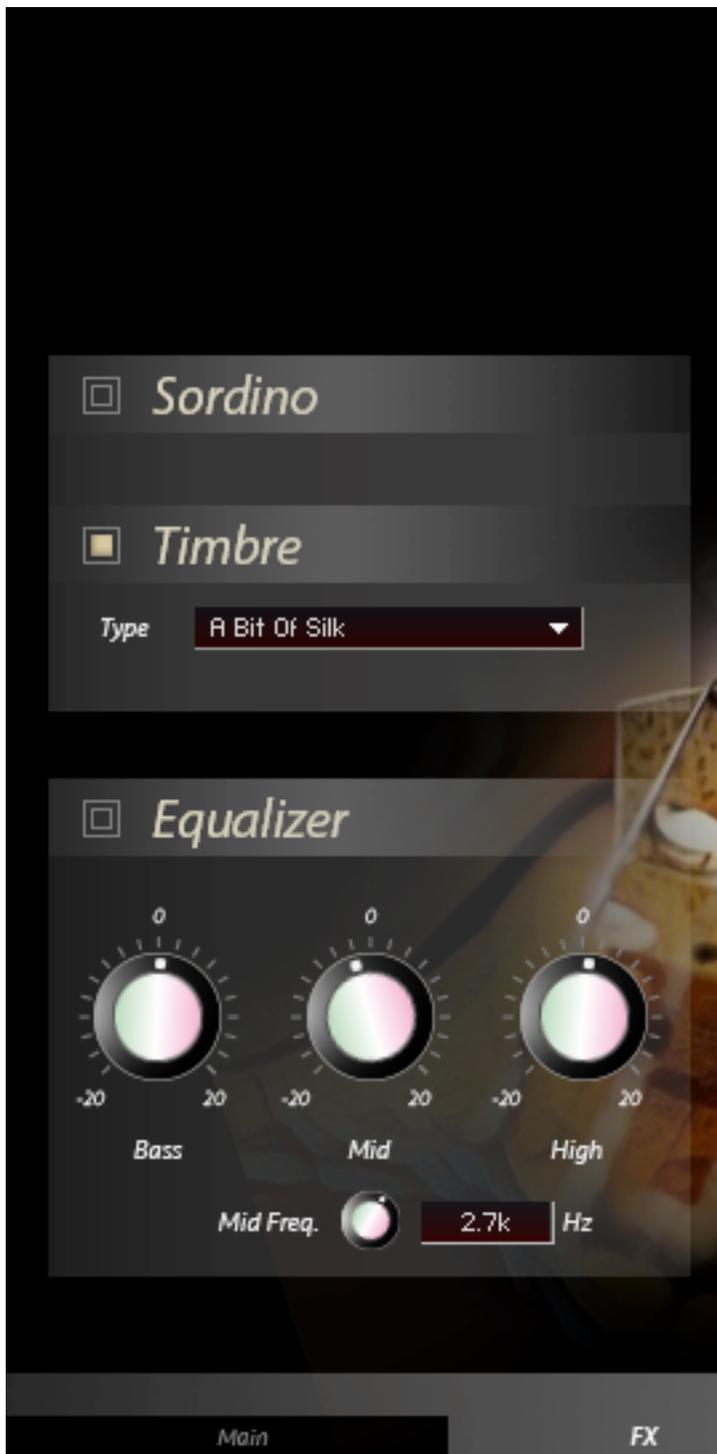
The Sordino impulse response:
The Sordino impulse is an EQ snapshot that simulates
a sordino effect.

The Timbre impulse response :

The Timbre impulse is like a mastering EQ snapshot but can also
contain room information.

Timbre impulse can be turned *off* for the raw sound

Although it is possible to use **Timbre impulse** alongside the
Sordino impulse, it is not recommended or should be used
with care - It might change the overall sound drastically.

There are the following Timbres available:
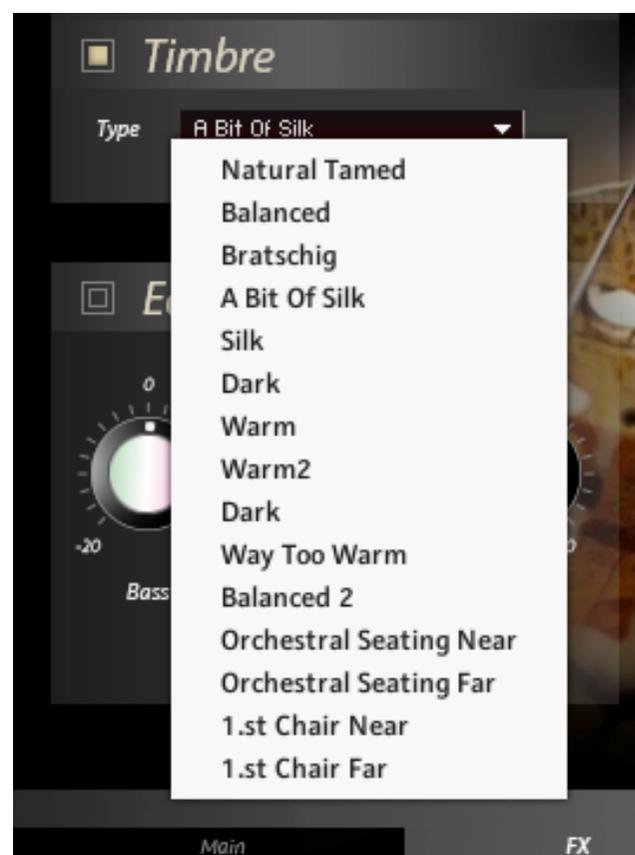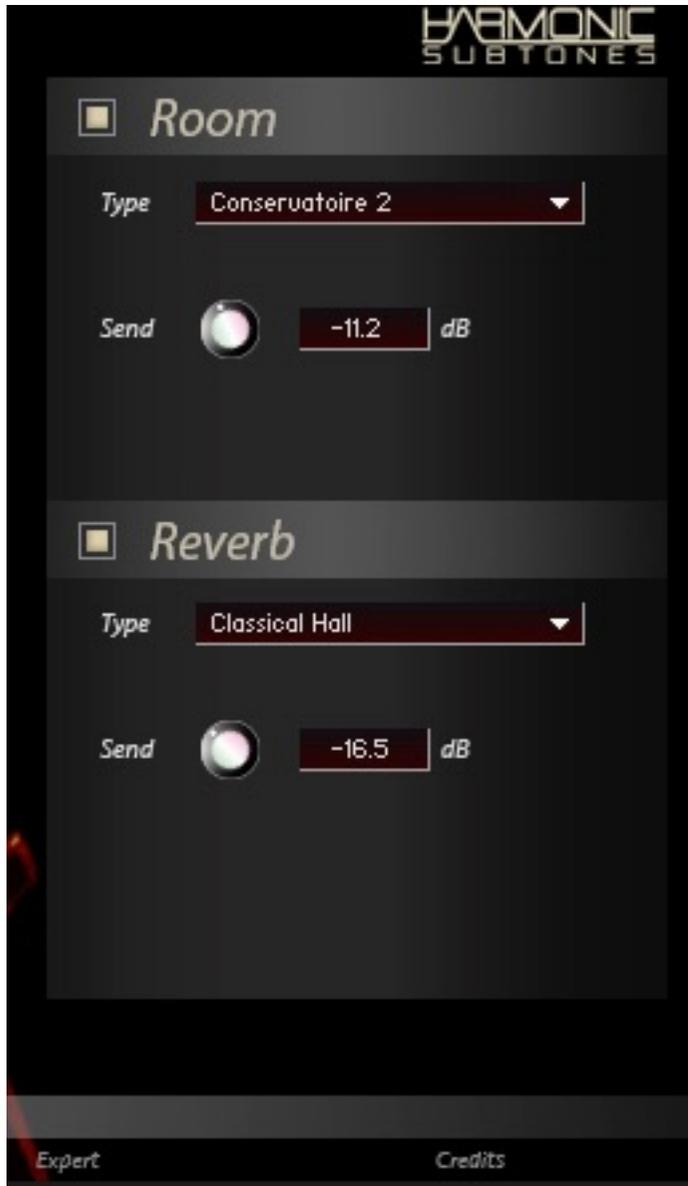
The Room FX:

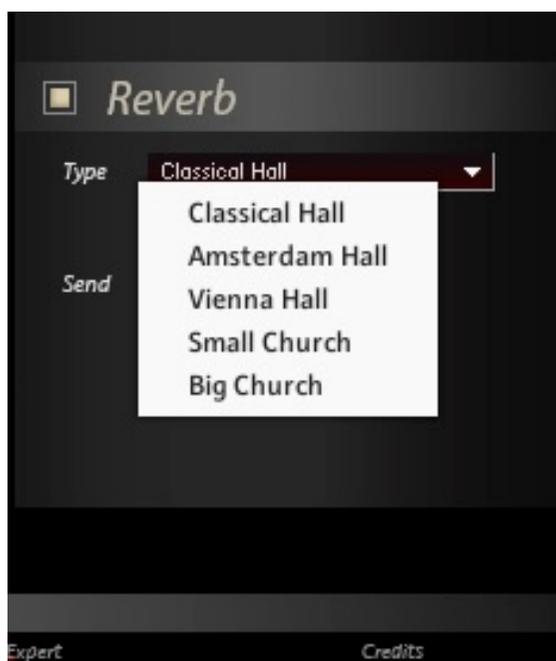Several room i**mpulse responses** are available.

These rooms can be selected with the *type* knob. With **Send** you can adjust the amount of room to your liking.
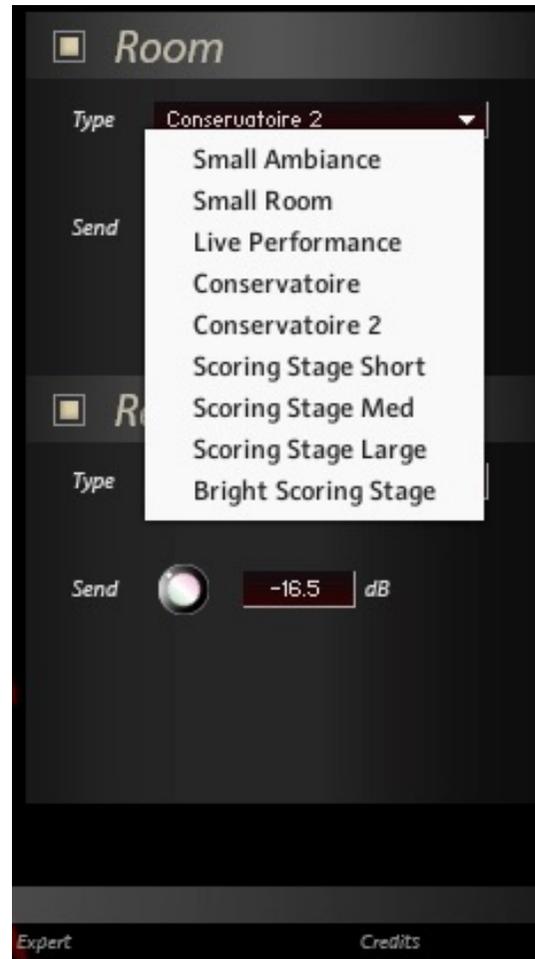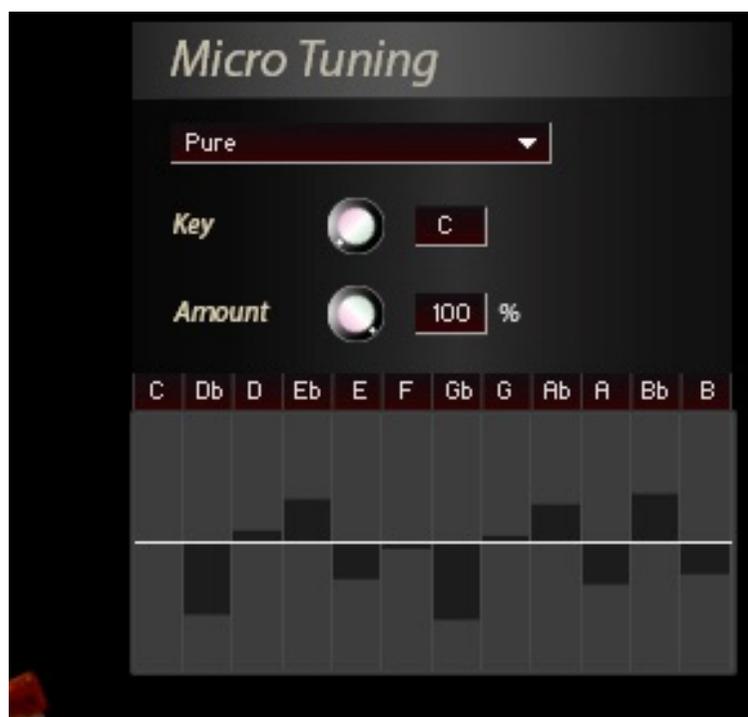

The Reverb FX:

Several reverb impulse responses are available.

These hall fx can be selected with the type knob. With Send you can adjust the amount of hall to your liking.

Microtuning

In the **Micro Tuning** section you can adjust detuning of each note of the scale with the bars up and downwards.

These micro tuning effects get effective at the moment when a note is played. This cannot be controlled and changed while the note is still sounding.
Therefore there is the intonation control via pitchbend that works in realtime.

Tip:

If you use more extreme detunings you can make an offset via the amount knob. If you assign a controller to the **amount knob** you can change the extend of the microtuning within a phrase from note to note.

Intonation control via Pitch Bend
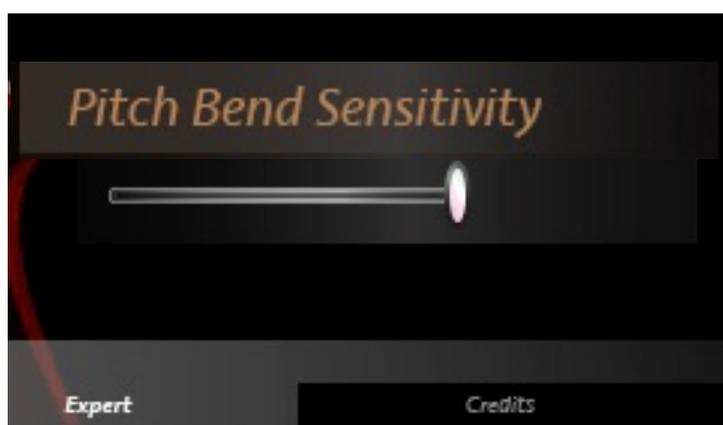
Pitch bend sensitivity:

You can assign the range of the pitch wheel with this slider. The highest value on the very right is offering a whole tone for pitch bending.

Tip:

The idea is to use the pitch wheel for **micro tuning** and **intonation** purposes. Therefore, the range of the pitch bend is limited to a maximum of a whole step. When the slider is set to the middle or lower you have subtle distinctions for the intonation via pitch bend.

List of „Individuals" Patches

02 INDIVIDUALS

Emotional Viola Sustains		Contain 10 different sustain articulations
Emotional Viola Special Sustains		Contain 7 different special sustain articulations: Flautando, Nordic, Morbid, Harmonics, Sulponticello, Sul C, Undulating
Emotional Viola Shorts		Contain 13 different short articulations Spiccato, Fliegender Aufstrich, Staccato NonVib, Angry Frog, Staccato Energico, Long Spiccato, Rota Spiccato, Brahms Staccato, Marcato Short, Ricochet, Pizzicato, Western pizzicato, Spilegno/RiccoLegno
Emotional Viola Dynamics		Contain 5 different articulations different Crescendos, Crescendo-Decrescendo, Fortepiano-Decrescendo
Emotional Viola Tremolos		Contains 4 different tremolo articulations: Tremolo Elegante Accelerando, Tremolo Soft . Tremolo Fast, Tremolo Sulponticello,
Emotional Viola Trills		Contains 8 different articulations: Trills Major & Minor: Long, Accelerando, Hook Trills Long, Short
Emotional Viola Expressivos		Contains 9 different espressivo articulations: Progressive Vibratos, Brahms Vibrato, Dynamics etc.

List of „Special" Patches

03 SPECIALS

Emotional Viola Morbid Sustain		A very fragile sustain
Emotional Viola Flageolet Glissando FX		Flageolet Glissando
Emotional Viola Undulation Wait!		Very long sustains, that changes its colour and tone constantely (CC2 moves the sample starting point)

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Stackable Patch

FOR USE WITH EMOTIONAL VIOLIN OR/AND EMOTIONAL CELLO

EMOTIONAL VIOLA TO STACK WITH VLN & VC		This Patch contains the core articulation without the legato function designed for stacking with EMOTIONAL VIOLIN and/or EMOTIONAL CELLO to create a small section. The keyswitches are standardized with the VLN & VC
		- Vibrato Sustain - Delicate Sustain - Non Vibrato Sustain - Espressivo - Soft Crescendo - Soft Decrescendo - Soft Swell - Rota Spiccato - Spiccato - Pizzicato - Flautando - Tremolo - Tremolo Sulponticello - Sordino - Harmonics