

SPIRAL STRINGS

Thank you for choosing Spiral Strings - TONSTURM's first VST Instrument tailored for composers.

While recording the SFX for our Sentient Frequencies Soundpack, we were captivated by the Spring Cello's musical potential. Inspired, we contacted the talented Matthias Kaufmann, a professional cellist, for a fresh recording session.

Today, we're proud to bring this completely unique and ethereal instrument to your studio!



Note on voices using NI Kontakt:

We've implemented a True Stereo Convolution Reverb in Kontakt (very tricky to achieve btw) - which was such a game changer sonically.

The only downside is that the instrument uses double the voices when played. So keep that in mind when layering multiple instances of Spiral Strings.

System requirements:

Full Version of NI Kontakt6 or later. Purchase separately if not owned.

Installation:

1. Open Kontakt; use 'File Browser' to find Spiral Strings.

2. To load:

- Double-click the *.nki patch.
- Or drag the *.nki patch into Kontakt.

MAIN

Spiral Strings is a two layer instrument - it is divided into LAYER A & LAYER B.
 Functions for both layers are identical.
 You can choose all parameters separately and individually for each layer.

White means the function is active.

A LAYER A & B

Showing the layer.
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VELOCITY

Choose the Velocity response from High (CW) to low (CCW)

PRESETS

Category	Preset
Overtones	04_Distorted Reality
Harmonics	12_Mean And Dry
Tremolo	14_The Joker
Rattle	17_Rattlescabe
Dissonant	24_Close Distortion
Mixdown	34_Slow Bass
Moving	41_Overtones Grit
Short	43_Something Dark
Rhythm	57_Mud Okta
Pad	68_Sneaky Tremolo
Pure	79_Spiral Machine

Choose a preset.
 You can narrow the search combining the different categories.

MENU

Choose between the three sites of the instruments

PLAYING STYLES

- Sul Ponticello
- Stir
- Tremolo
- Harmonic
- Titan
- Legato
- Dissonant
- Rip

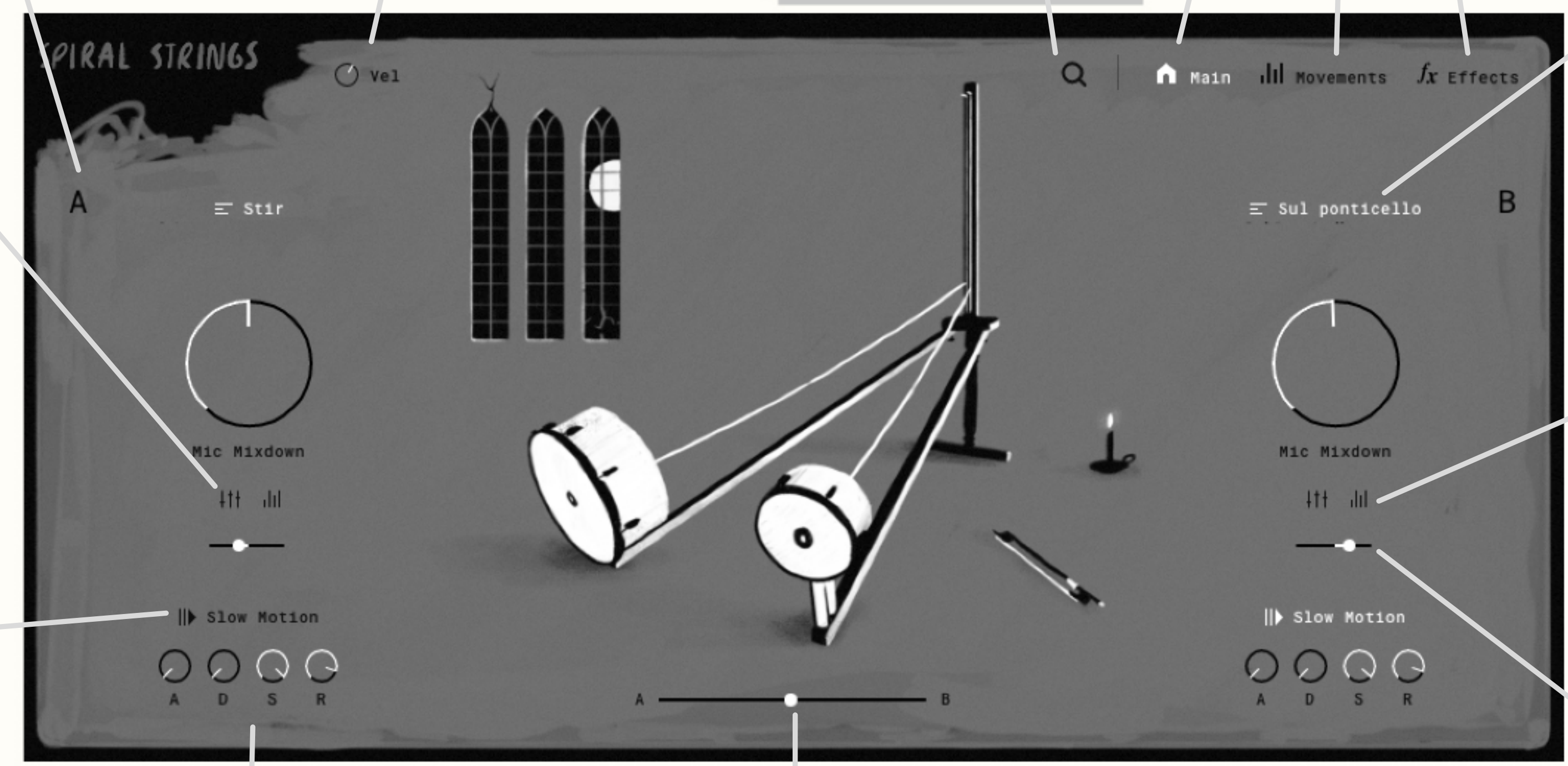
You can choose between 8 playing styles

THE MIXER

You can choose between a mixdown of all microphones

or have all mics separately (close, body mic, room)

Choosing to have all mics separately will take much more voices!



MODULATION CONTROL

This is a quick way to check and control the amounts of modulation for the Layer (see MOVEMENTS site)

PANNING

You can pan your layer. Panning doesn't go 100 % left/right

SLOW MOTION

You can choose between normal and Slow Motion mode. Slow Motion is not just a normal pitched down version. We recorded in 96kHz with Hi-Freq responsive mics and then converted down to 48kHz which resulted in Hi-Q Pitchdown version

ADSR

Standard envelope. Be careful with release, especially if you are working with multiple instances of Spiral Strings because your RAM might get overloaded!

AB SLIDER


Fades between Layer A & Layer B. Just like a DJ Slider

MOVEMENTS

This is the matrix that connects all modulation sources to their destinations. There are three LFO's and two Step Sequencers. LFO 1 & 2 have identical functions. LFO 3 is special because it can also modulate the speed of LFO 1 & 2. The Step Sequencers have identical functions. All LFO's and Step Sequencers can be routed to modulate selected parameters of both LAYER A & LAYER B.

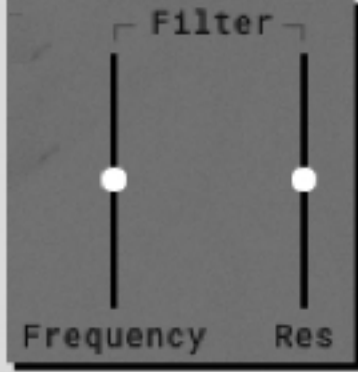
Amounts: You can choose the amount of modulation and destination. The sliders are bipolar. The amount sliders are connected to the chosen Modulator below (LFO 1-3, Step Sequencer 1-2). Eg if you choose LFO 1 below, the amounts for LFO 1 are shown. If you choose Step Sequencer 2 below, the amounts for Step Sequencer 2 are shown. LFO 3 is special because it can also modulate the speed of LFO 1 & LFO 2

EXTRA MODULATION



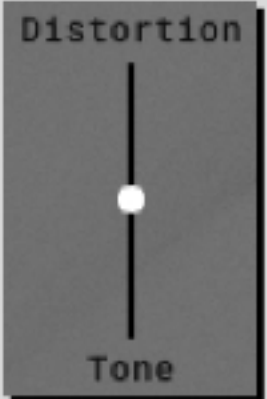
LFO 3 is special. It can also cross modulate the speed of LFO 1 & 2

FILTER MODULATION



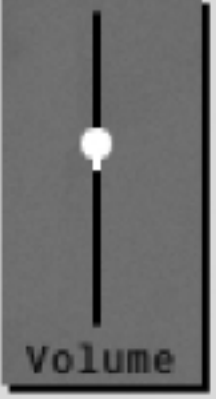
Frequency: Amount of Frequency modulation (Filter effect) with a bipolar slider
Resonance: Amount of Resonance modulation (Filter effect) with a bipolar slider

DISTORTION MODULATION



Amount of Tone modulation (Distortion effect) with a bipolar slider

VOLUME MODULATION



Amount of Volume modulation with a bipolar slider.

MODULATOR SELECTION

Step 1

Move between the modulators (LFO 1-3, Step Sequencer 1-2)

Activates/deactivates the chosen modulator.

SPIRAL STRINGS

Vel

Main Movements fx Effects

Amounts

A Distortion Filter B

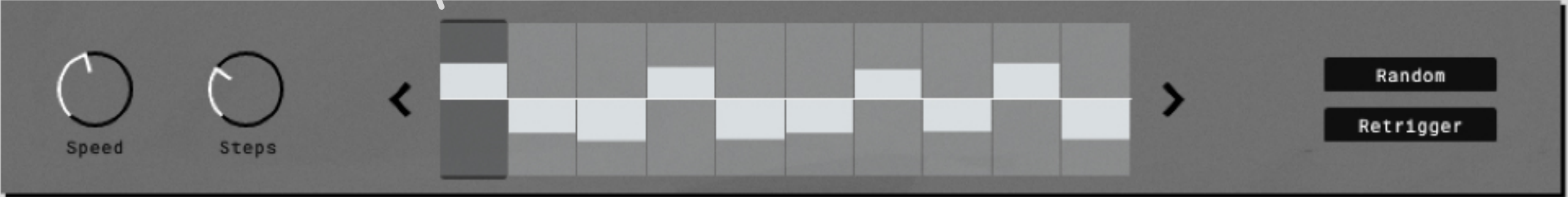
Volume Tone Frequency Res LFO 1 LFO 2 Volume Tone Frequency Res

LFO 1 LFO 2 LFO 3 Step 1 Step 2

Speed Delay Sync Retrigger

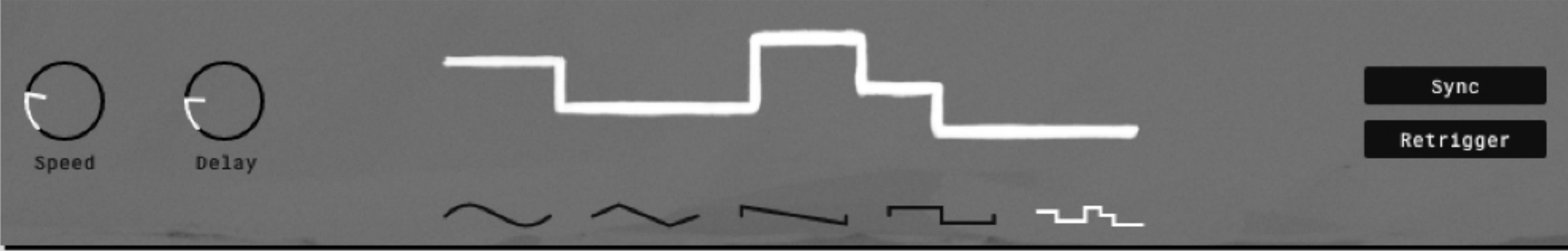
SEQUENCER

Speed: You can choose between the divisions
Steps: Choose the amount of steps 1-32
Random: Fills the steps with random amounts
Retrigger: Retriggers the Step sequencer with every note
Arrows beside the steps: Move the sequence to the left or to the right



LFO

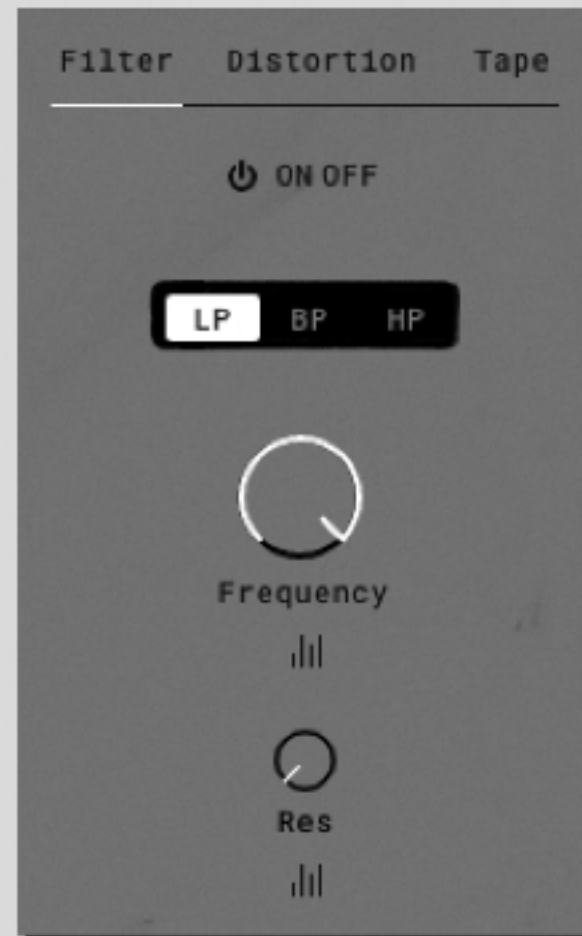
Speed: You can choose the speed of the LFO. If sync is activated you can choose between the divisions
Delay: You can delay the start of the LFO
Curves: You can choose between sinus, triangle, sawtooth, square and random
Sync: You can sync the LFO to your DAW speed
Retrigger: Retriggers the LFO with every note



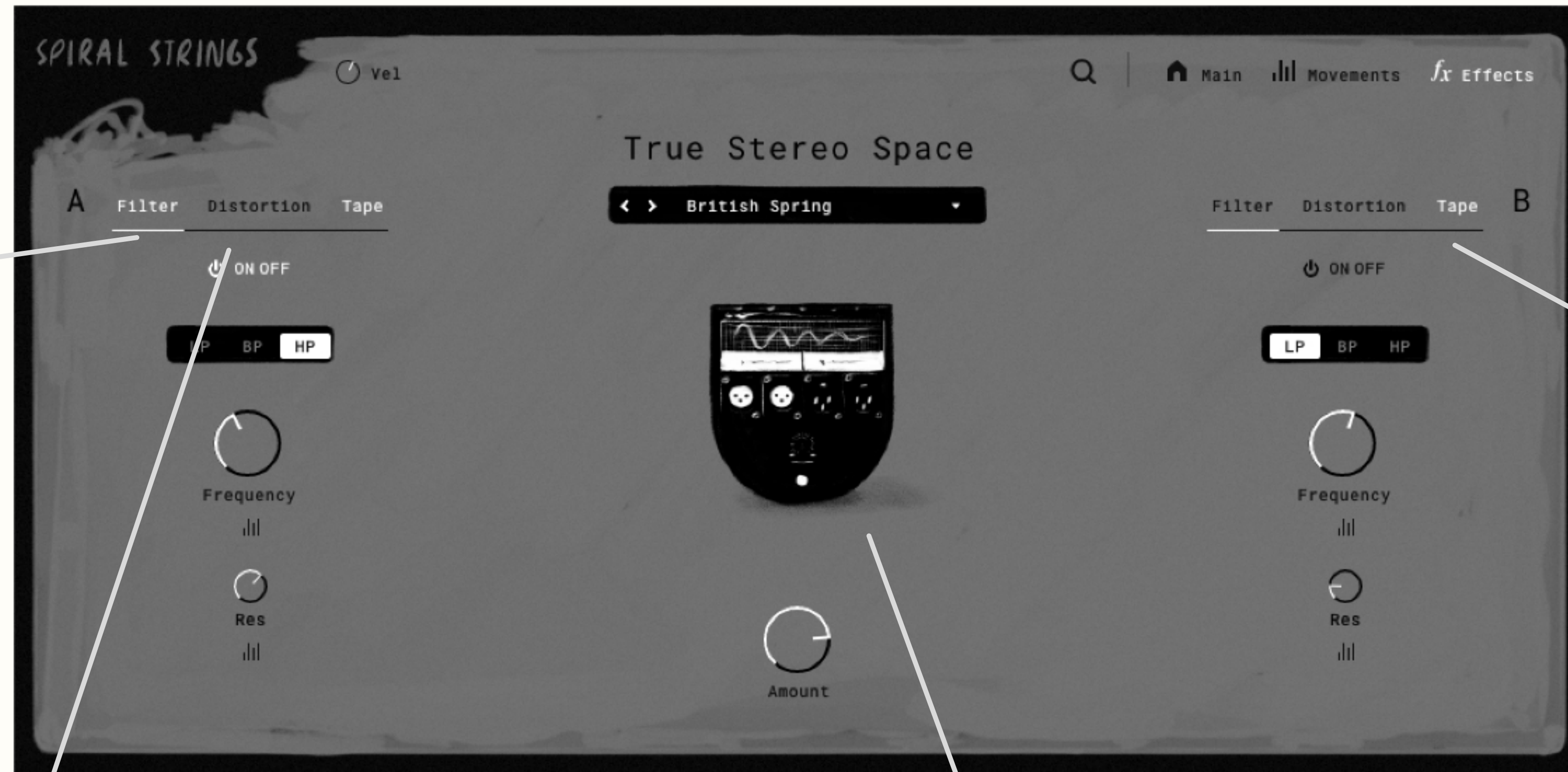
EFFECTS

The most exceptional effect of Spiral Strings is the True Stereo Reverb.
 We've sampled Hi-Q IR's of the instrument itself, but also of the most characterful hardware and rooms.
 The reverb is for both layers
 You can also choose between Filter, Distortion and Tape Saturation for each layer seperately.

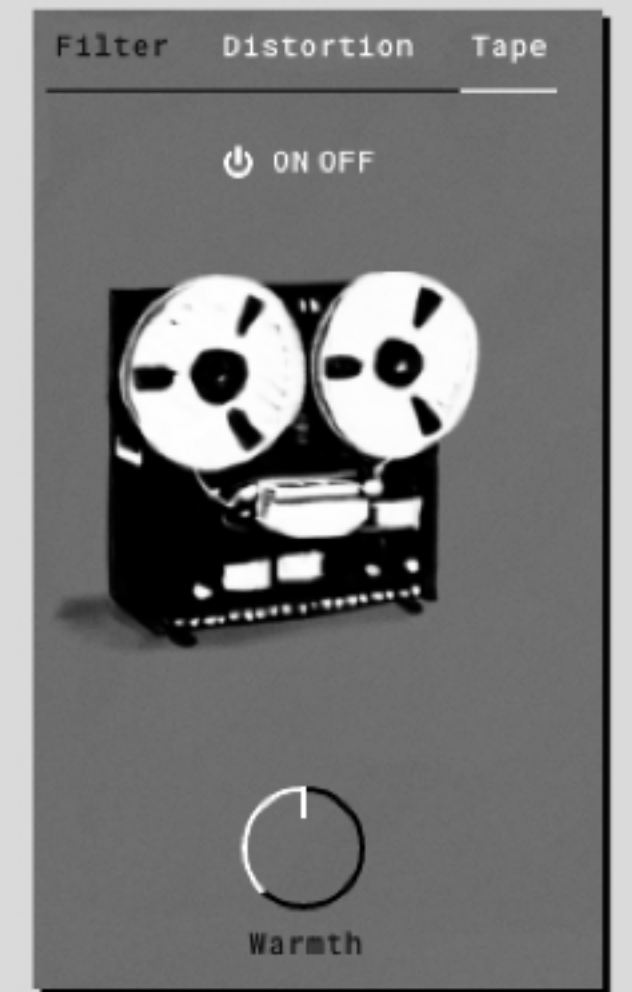
FILTER



On/Off switch:
 Activates/deactivates the Filter
 LP/BP/HP:
 Choose between Lowpass, Bandpass & Highness Filter
 Frequency:
 Adjust the Frequency
 Resonance:
 Adjust the amount of Resonance
 Modulation Control:
 This is a quick way to check and control the amounts of modulation for the Filter Cutoof and Resonance (see MOVEMENTS site)



TAPE



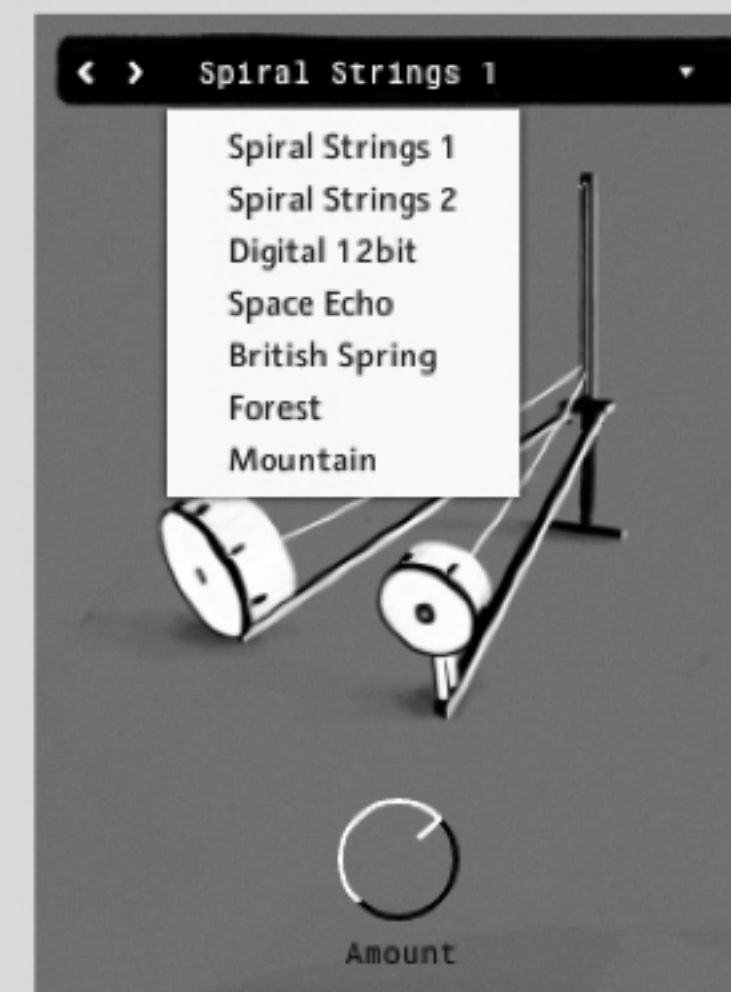
On/Off switch: Activates/deactivates the Tape effect
 Warmth: a subtle way to adjust the amount of saturation

DISTORTION



On/Off switch:
 Activates/deactivates the Distortion effect
 Tone:
 Adjust the tone of distortion
 Drive:
 Adjust the amount of distortion
 Clean:
 Adjust the clean signal amount
 Bass:
 Adjusts the low frequency gain
 Bright:
 Adjusts the high frequency gain
 Output:
 Adjust the overall volume
 Modulation Control:
 This is a quick way to check and control the amounts of modulation for the distortion (see MOVEMENTS site)

TRUE STEREO SPACE



Choose between 7 True Stereo Impulse Responses
 Amount: Choose the amount of Reverb