

Falcon Singles - Stick Cello for Falcon

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Installation

As there is no default location for 3rd party sound libraries for Falcon, you can just install the folder "Stick Cello" which you extracted from the zip-folder anywhere on your system, preferably on a fast external drive, if you have one available. Then you just locate the folder "Stick Cello" in the Falcon browser under "Devices", add it to your favorite places and load a program from one of the categories in the main "Programs" folder, or a sample from the sample subfolders, or a wavetable from the wavetable folder or an image into the wavetable synth from the Images-folder. You can also drag and drop programs directly from the Finder into "Parts" in Falcon.

License agreement and terms of usage

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1.) The licensee must not distribute the patches, samples, wavetables and images from **Falcon Singles - Stick Cello**, resample them, copy or otherwise replicate the patches, samples, wavetables and images from this sound library in any commercial, free or otherwise product. That includes sample- and audio libraries and patches for other samplers and sample- or wavetable-based synthesizers. You can of course create such derivatives for your own musical work as long as these derivatives are only distributed in the context of musical work or sound design.

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Description and content

Multi-sampled stick cello (single accents and tremolos), played with a thin drumstick, originally sampled for my Alchemy library [Resurrection](#) for Alchemy 2, some new electronic samples derived from the cello were added for this Falcon release. The single accents were sampled on 10 pitches across the entire cello range at 5 velocity layers - 3x round robin, the tremolos were sampled at 3 pitches on open strings (A1/A2/A3), playing the highest notes on a violin. Two tonal, granular soundscapes, a tremolo patch with time-stretching and a model synth are also included in this collection.

Up to 20 Macros and switches plus the modulation wheel are assigned in each patch, some also use aftertouch, providing detailed control over volume envelopes, filtering, amplitude- and pitch modulations, EQ-ing, dynamics, stereo animation and more. All patches use background images in the UI.

Content:

- 374.5 MB of samples (171 wavs/stereo/48 Khz/24 Bit/phase-aligned), 2 background images for the UI. The content is not encrypted, so you can use the samples and wavetables in other samplers and synths or directly in your DAW.
- 6 patches combining sampling, granular synthesis and physical modeling.
- Library size in total: 377.5 MB

All acoustic samples in this library were recorded with 3 top notch microphones (Neumann) in L-C-R in 48 Khz/24 Bit, the microphone signals of all acoustic samples were phase-aligned which improves the stereo picture, enhances the transparency of the sound and makes for snappier transients.

All audio demos for this library are [here](#).

A walkthrough video can be viewed [here](#).

CPU

The multi-granular engine with many grain streams and the wavetable synth with many unison voices can be somewhat CPU-hungry, so if a patch puts too much strain on your system whilst tracking, reduced the overall polyphony in Falcon and/or reduce the release time (all patches have a dedicated Macro assigned to "Release"). Also when mixing and not tracking I would advise you to raise the sample buffer in your DAW, as latency is not an issue in that case.

Patchlist

All patches have between 8 - 20+ Macro controls, switches and the modulation wheel assigned, some also use aftertouch.

All playing tips and comments from the alphabetic patchlist below can also be accessed via the Info-tab in the Falcon UI.

C3 refers to the middle C on a piano (C1 in classical terms).

AT = Aftertouch, VEL = velocity, MW = modulation wheel, L1 = layer 1, KG = keygroup,

KS = keyswitch, WT = wavetable

Patches	Description
Stab Scape	<p>Two layered, re-synthesized stick cello accents composing a cinematic stab scape. MW introduces tempo-synced amplitude modulation (2 vs 3), dial in a tempo-synced filter sweep with the assigned Macro, Sample1 is running in granular mode and has a granular speed control assigned.</p> <p>11 Macros and 2 switches are installed.</p>
Stick Cello 5Vel RR3	<p>Cello strings played with a thin drumstick - 10 pitches sampled between C1 - G3 at 5 velocity layers / 3x round robin, total range C0 - C4, 150 samples in total.</p> <p>A Macro enables pitch modulation via AT, another control randomizes the pitches, LP filter cutoff modulation via velocity can be dialed in. More controls for EQ, compressor, waveshaper distortion, chorus, delay, reverb and a maximizer are available. MW adds vibrato.</p> <p>20 Macros and 4 switches are installed.</p>
Stick Cello Model Synth	<p>Two pluck synth oscillators split across the keyboard (with zone-crossfade between C2-C3), using two different stick cello accents to excite the resonators. Dial in a filter envelope with the assigned Macro. A Stretch-switch adds harmonics.</p> <p>The layer is running in unison mode (3 voices), dial in unison detune with a Macro. Use MW for timbre changes.</p> <p>13 macros and 3 switches are installed.</p>
Tremolo Layers KS	<p>Multi-sampled tremolos played with drumstick on cello and violin, sampled at different root notes and densities. KS1 (A-1) selects a layer which plays 4 different tremolos simultaneously, KS2 (B-1) switches to a layer where the oscillators cycle in round robin mode.</p> <p>Set sample start with a Macro or control it via velocity by dialing in the respective Macro, More Macros for controlling pan modulation/pan speed, filter modulation and FX are available. MW adds fast, tempo-synced random pitch modulation.</p> <p>14 Macros and 1 switch are installed.</p>

Patches	Description
Tremolo Morph Scape	<p>Audio morphing stick cello tremolos with a synth sound, sampled at 3 different root notes split across the keyboard, running in granular mode. Four granular controls for grain speed/size/density/spread are installed, VEL slightly shifts sample start/grain position, MW randomizes grain pitch.</p> <p>17 Macros are available for controlling pan- and filter modulations and various effects.</p>
Tremolo Stretch Combs RR4	<p>Multi-sampled tremolos played with drumstick on cello and violin, sampled at different root notes and densities, running in time-stretch mode with 4 round robin samples. Dial in tuned comb-filter resonance with the assigned Macro, switch the polarity from positive -> negative which will transpose the sound down an octave.</p> <p>Set sample start with a Macro or control it via velocity by dialing in the respective Macro, control sample speed with another Macro. More Macros for controlling pan modulation/pan speed, filter modulation and FX are available. MW adds fast, tempo-synced random pitch/combfilter modulation.</p> <p>16 Macros and 1 switch are installed.</p>

Please enjoy the sounds!

Simon Stockhausen, January 16th - 2016