

Falcon Singles - Oud 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 "Oud" which you extracted from the RAR-archive anywhere on your system, preferably on a fast external drive, if you have one available. Then you just locate the folder "Oud" 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.

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1.) The licensee must not distribute the patches, samples, wavetables and images from **Falcon Singles - Oud**, 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 oud, originally sampled for my Alchemy library [Aqualignum](#), providing various articulations like single accents with 5 velocity layers - 3x round robin, up/down slides with 2x round robin and sample start control, vibrato notes with 3x round robin, tremolos, trills, repetitions, bowed strings, some granular patches, processed FX sounds, pads and bass sounds using wavetables extracted from oud samples and pluck synths using oud samples to excite the resonators.

Up to 20 Macros and switches plus the modulation wheel are assigned in each patch, many also use aftertouch, providing detailed control over volume envelopes, filtering, amplitude- and pitch modulations, EQ-ing, dynamics, stereo animation and more. All patches use some sort of background image in the UI, split patches have colored key-zones in the Falcon keyboard for easier navigation.

Content:

- 794.4 MB of samples (218 wavs/stereo/48 Khz/24 Bit/phase-aligned), 4 wavetables, 5 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.
- 18 patches combining most synthesis forms available in Falcon.
- Library size in total: 806 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 (most 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, many 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
Bowed Oud Layers	<p>Layer 1: three bowed oud drones played on the bridge of the instrument with a violin bow split across the keyboard, sounding one octave lower than played: Sample 1 root C2 (sounding C1) - C0 - F2 Sample 2 - root A#2 (A#11) - F#2 F#3 Sample 3 - root C4 (C3) - G3 - C5</p> <p>Layer 2: same mapping as in A, but tremolo samples, tremolating the notes on the bridge creating a sul pont effect with plenty of harmonics.</p> <p>Volume controls for each layer are installed, with the Macro "LP Cut Inv" dialed to the right, a re-triggering filter envelope can be engaged with another Macro, another macro adds hybrid filter modulation on program level. Sample start can either be controlled with a Macro, or via velocity when the respective Macro is engaged.</p> <p>MW adds tempo-synced amplitude modulation.</p> <p>16 Macros and a reverb freeze-switch are installed.</p>
Granular Octave Scape	<p>Upper half: processed oud octave ostinato in granular mode, 4 granular controls are installed, grain speed is set to 0, grain position is controlled by a non-retriggering envelope, so the sample never restarts after the first note has been played. Tempo-synced amplitude modulation, filter/pan modulation can be dialed in with Macros.</p> <p>Lower half: oud wavetable drone, controls for phase distortion-modulation, tempo-synced amplitude modulation, tuning and filter modulation are available.</p> <p>MW randomizes grain pitch and increases detune in the wt-synth.</p> <p>17 Macros and a reverb freeze-switch are installed.</p>

Patches	Description
Oud 5Vel RR3	<p>Multisampled oud, sampled strings: C1 - F1 - Bb1 - D2 - G2 - C3 - fretted string: G3, all strings but the low C are double strings creating the typical chorussing/detune sound of the oud. 105 samples plucked with an oud plectrum at 5 velocity layers - moving towards the bridge a bit with each layer - and 3x round robin, range extended to each side, instrument range: C0 - C4.</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, chorus, delay, reverb and a maximizer are available.</p> <p>MW adds vibrato.</p> <p>18 Macros and 3 switches are installed.</p>
Oud Combo KS	<p>This patch combines the oud from above with multisampled oud vibratos sampled at 3x round robin, 6 pitches were sampled, mapped between C1 - C4.</p> <p>KS1 (A-1) - oud 5 Vel RR5 KS2 (B-1) - oud vibrato RR3</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, chorus, delay, reverb and a maximizer are available.</p> <p>MW adds vibrato in KS1.</p> <p>18 Macros and 3 switches are installed.</p>
Oud Granular Repetitions	<p>Two repeating note textures in granular mode split across the keyboard, split point is C3. The repetition in the lower register starts with a rising glissando towards the root note.</p> <p>Five granular controls for grain speed/size/density/spread and grain position control via AT are installed. MW randomizes grain pitch.</p> <p>Three parallel filter/effects can be mixed, LP filter with cutoff control, tuned combfilters and modulated ring modulation. A Macro also adds waveshaper-distortion.</p> <p>18 Macros and a reverb freeze-switch are installed.</p>
Oud Granular Trills	<p>Each of the 4 granular keygroups plays a different oud semitone trill, sampled at different root notes and with speed variations, looping back and forth, 2 samples are layered in each register, split point is C3.</p> <p>Five granular controls are installed, one of them controls grain position modulation via AT. MW randomizes grain pitch.</p> <p>Three parallel filter/effects can be mixed, LP filter with cutoff control, tuned combfilters and modulated ring modulation.</p> <p>17 Macros and a reverb freeze-switch are installed.</p>

Patches	Description
Oud Granulated Grains	<p>Multisampled oud tremolos granulated with HALion 5 (4 samples with root notes C0-C3 split across the keyboard, mapped up to C5). Four granular controls for grain speed/size/density/spread, VEL slightly shifts sample start/grain position.</p> <p>16 Macros are installed for controlling pan- and filter modulations and various effects.</p> <p>MW randomizes grain pitch.</p>
Oud Pad 01	<p>Animated wavetable-pad with five unison voices using a wavetable combining several oud single cycle waveforms.</p> <p>MW introduces tempo-synced amplitude/wavetable modulation, AT adds vibrato. Macros for phase distortion-modulation, filter sweeping and notch-filter-modulation are installed.</p> <p>10 Macros are available.</p>
Oud Pad 02	<p>Animated wavetable-pad with five unison voices using a wavetable extracted from an oud vibrato note.</p> <p>MW introduces tempo-synced amplitude/wavetable modulation, AT adds vibrato. Macros for phase distortion-modulation, filter sweeping and notch-filter-modulation are installed.</p> <p>11 Macros are available.</p>
Oud Particles	<p>3 multisampled and processed oud pitches with 5 velocity layers playing in each of the two layers, each velocity layer producing a different sound, a dedicated volume control for each layer is available.</p> <p>Sampled pitches: C1/A#1/C3 in L1 - F1/G2/G3 in L2. The patch has a total range of 5 octaves from C0 - C5.</p> <p>MW adds random pitch modulation, AT decreases modulation speed, a Macro for pitch randomization is installed, distortion FX, delay, convolution reverb and a Maximizer are controllable via Macros.</p> <p>12 Macros and 2 switches are available.</p>
Oud Slides Vibr RR2 KS	<p>Key-switchable, multi-sampled oud slides with 2x round robin, KS1 (C0) selects the down slides, KS2 (D0) the up slides, which have an accent at the end of the slide. Sample start position for the ascending slides can be controlled with the assigned Macro.</p> <p>Full ADSR controls are installed, Macros for controlling EQ, compressor, chorus, delay, reverb and a maximizer are available.</p> <p>17 Macros and 3 switches are installed.</p>
Oud Table Bass	<p>Wavetable bass synth/sequencer using a table extracted from an oud bass accent.</p> <p>MW animates the sound, dial in tempo-synced HP filter modulation with the assigned Macro, controls for stereo width, controls for FX and dynamics are available.</p> <p>8 Macros and 2 switches are installed.</p>

Patches	Description
Oud Trem FX Layers KS	<p>Six processed oud tremolo samples (all played on the lowest string C1) split across the keyboard distributed over 2 key-switchable layers.</p> <p>The mapping in both sources is identical: sample 1/4: root C1, range C0 - B1 sample 2/5: root C3, range C2 -B3 sample 3/6: root C5, range C4 - C6</p> <p>KS1 (A-1) selects L1, KS2 (A#-1) selects L2, KS3 (B-1) selects both layers.</p> <p>Sample start position can be controlled with a Macro, controls for pan/filter modulation, convolution reverb, delay, reverb, distortion and a maximizer are installed.</p> <p>16 Macros and 3 switches are available.</p>
Oud Tremolo Pluck Synth	<p>Oud tremolo sample exciting a pluck synth, a dual string switch adds the second string, tuned up a perfect fifth, MW adds square-shaped pitch modulation.</p> <p>13 macros and 3 switches are installed.</p>
Oud Tremolo Scratch Synth	<p>Oud scraping string sample exciting a pluck synth, a dual string switch adds the second string, tuned up an octave, MW adds square-shaped pitch modulation.</p> <p>13 macros and 3 switches are installed.</p>
Oud Tremolos RR3 KS	<p>This patch contains multisampled oud tremolos (4 samples mapped between C0 - C5), a different articulation in each of the 3 layers (timbre difference due to the pluck position of the right hand). Notes sound 1 octave lower than played.</p> <p>KS1 (C0) round robin-cycles through the 3 layers. KS2 (D0) plays them all together.</p> <p>MW adds square-shaped pitch modulation, AT decreases modulation speed. Sample start position can be set with a Macro or can be modulated via velocity when the assigned Macro is dialed in. More Macros for controlling filter modulation, distortion FX, glide time, chorus, delay and reverb are available.</p> <p>13 Macros are installed.</p>
Oud Vibrato Synth	<p>Multisampled oud vibratos sampled at 3x round robin, 6 pitches were sampled, mapped between C1 - C4. The acoustic samples are combined with a pluck synth which also uses a vibrato note to excite the resonators, a dedicated volume control for the synth sound is installed. Pitch modulation via AT can be dialed in, more Macros for adding a filter envelope and controlling chorus, delay, convolution and spark reverb are available. MW adds pitch modulation.</p> <p>11 Macros and an on/off-switch for the convolution reverb are installed.</p>

Patches	Description
Spectral Trills Split	<p>Spectralized oud semitone trills multisampled in 4 octaves, mapped from C0 - C5. Sample start can either be set with the assigned Macro or it can be controlled via velocity when the respective Macro is engaged.</p> <p>Three parallel filter signals (FX rack on layer level) can be mixed with the assigned Macros, filter 1 (LP) has a dedicated control for cutoff and modulation amount.</p> <p>MW adds tempo-synced amplitude modulation.</p> <p>14 Macros and a reverb freeze-switch are installed.</p>

Please enjoy the sounds!

Simon Stockhausen, January 11th - 2016