High Definition Media Interfaces
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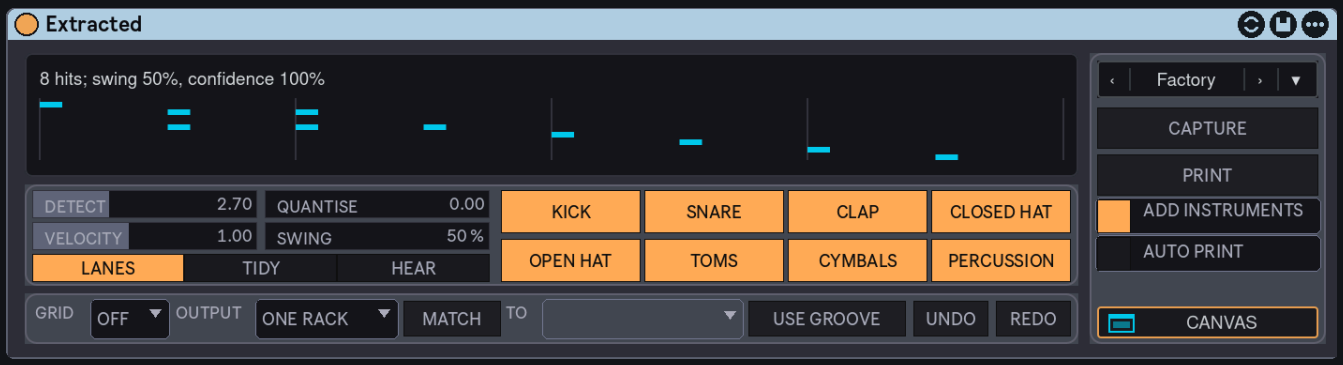
Extracted

USER MANUAL · MAX FOR LIVE AUDIO EFFECT

Turn a drum audio clip into editable MIDI drum hits, then check, correct and print them as MIDI clips.



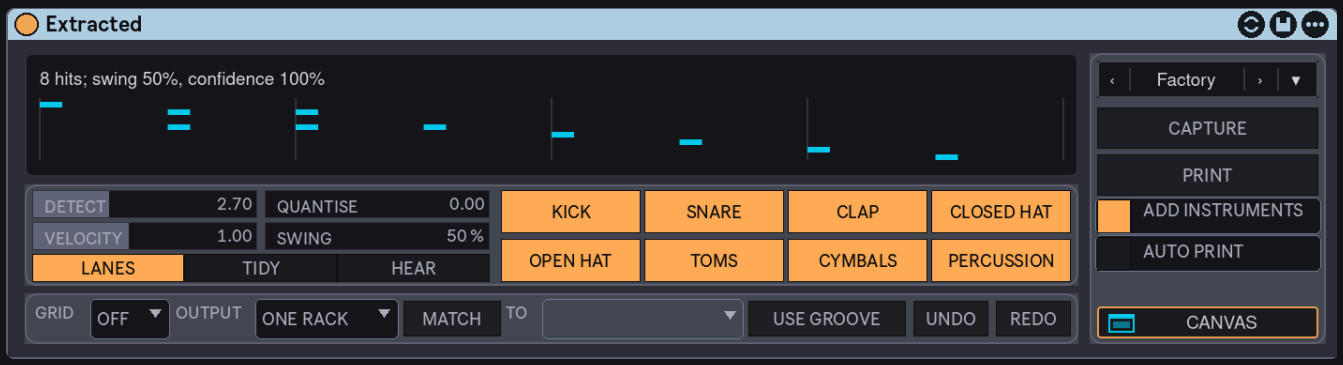
Pictures in this manual are computer-made drawings of the device, not screenshots from Live. Your Live theme, zoom and controller change how it looks. HDMI is not affiliated with the companies named in this manual. Their names are used only to say what works with the device. Support: support@hidef.tools

User manual for Extracted, a Max for Live audio effect for Ableton Live.

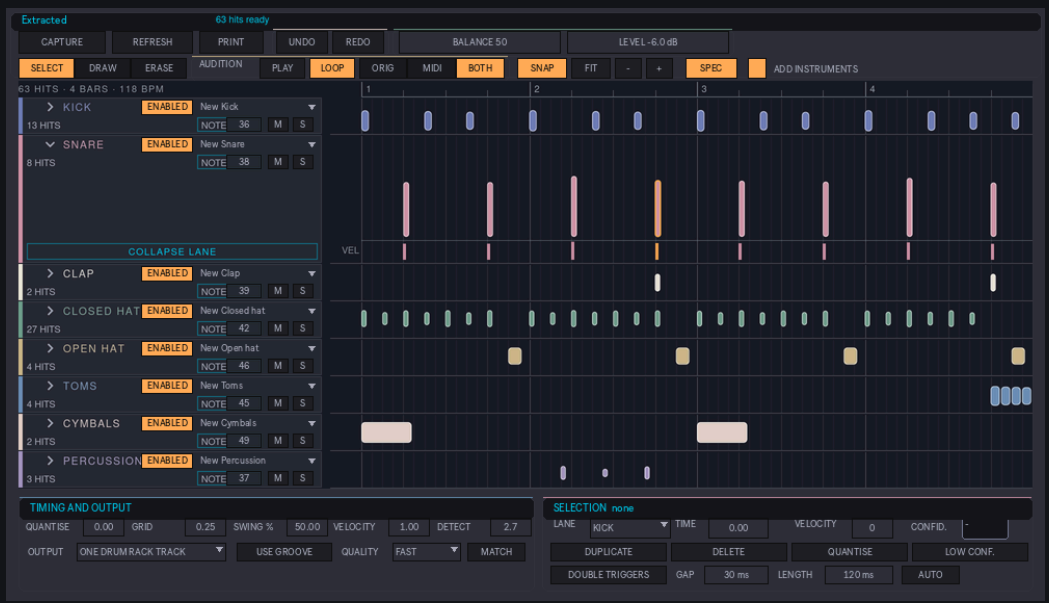
Extracted turns drum audio into editable MIDI drum hits. You pick a drum audio clip, Extracted finds the hits, and you check and correct them before you print them as MIDI clips. Extracted is free and is never sold. Its ADTOF model weights are licensed for non-commercial use, with attribution and share-alike terms.

Make drum MIDI

1. Put Extracted on a track. Select a drum audio clip.
2. Wait for the Display to say Ready. The drum model is built in. If its files cannot unpack, the Display says so, and Extracted uses its built-in rule detector instead.
3. Press CAPTURE. It stays lit while Extracted analyses the clip. Press it again to cancel. Open CANVAS to look at the hit lanes, correct mistaken hits and compare the result with the original. The face's Transcription Preview fills when hits are found.
4. Choose ONE RACK for a single Drum Rack track, or SEPARATE for one track per lane. MATCH can use the pad names on the Drum Rack you choose. Press PRINT to write MIDI clips.



Extracted's face.



The Canvas, with the hit lanes. The hits shown are sample data.

Instruments and Drum Racks

ADD INSTRUMENTS is on by default.

YOUR LIVE	WHAT EXTRACTED CAN DO
12.4 or later	Adds a Drum Rack named Extracted Kit and fills its eight pads with Live's own Gen Purpose acoustic drums, using Core Library one-shots played whole.
12.3	Adds an empty Drum Rack. Load the sounds yourself.
Before 12.3	Add the Drum Rack and sounds yourself. The status line explains the limit.

Untick ADD INSTRUMENTS to create tracks without a rack. Existing tracks that already contain devices keep them. An existing empty MIDI track can receive the kit.

AUTO PRINT, under ADD INSTRUMENTS, prints by itself as soon as CAPTURE has its hits.

The default notes are kick 36, rim 37, snare 38, clap 39, closed hat 42, toms 45, open hat 46 and cymbals 49, all on Live's first 16 pads.

Printing to a Drum Rack that already has pads

Each lane goes to the first pad that fits, in this order:

1. A note you typed.
2. The pad named for the lane.
3. The lane's own note.
4. The nearest pad of the same kind.

Extracted leaves out a lane with no such pad, and the status line says which. Nested Drum Racks are not matched.

If the Drum Rack is empty, choose or load a kit before you play the printed hits.

Settings

SETTING	WHAT IT DOES
DETECT	Sets how clear a hit must be before Extracted keeps it.
QUANTISE	Moves hits towards the selected grid.
USE GROOVE	Adopts an estimated grid and swing.

Extracted estimates hits from audio. Listen, and correct the hits before you use them in a finished piece.

Reading the panels

The face bars show each value as an Accent fill on a dark or light background. Their names and numbers change colour as the fill reaches them. Drag from either the name or the number.

The Canvas groups have thin header lines in different colours. Small menu arrows have circular outlines.

SPEC starts off. Switch it on for a quiet heat view under the grid and hits. Extracted does not save the SPEC choice with the Set.

Select uses Live's pointer alone. Draw and Erase show a small round badge beside the pointer.

Limits on source files

- The source file can be at most ten minutes and 256 MB, even when the selected clip is short. Consolidate the clip if needed.
- Arrangement MIDI clips need Live 12.1.10 or later.

Audio formats

Extracted reads WAV, AIFF, MP3 and AIFC files directly, with PCM, float, unsigned 8-bit, G.711 or Apple IMA4 audio. macOS can convert some other formats, including FLAC, Ogg and MP4.

If Extracted cannot read an AIFF, AIFC or WAV file, the face names the codec or format code. Convert the clip to WAV.

Requirements

Use Ableton Live with Max for Live.

FEATURE	NEEDS
Arrangement MIDI printing	Live 12.1.10 or later
Automatic instruments	Live 12.3 or later
Automatic sample loading into the Extracted Kit	Live 12.4 or later

MIDI printing and automatic instrument creation are separate features.

Credits and notices

Extracted uses ADTOF Frame_RNN (Zehren, Alunno and Bientinesi), TensorFlow.js (Google) and minimp3 (lieff). The model attribution and licence texts come with the device. Keep the included third-party licence and attribution files with your download.

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