chainsaw
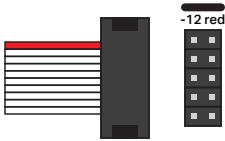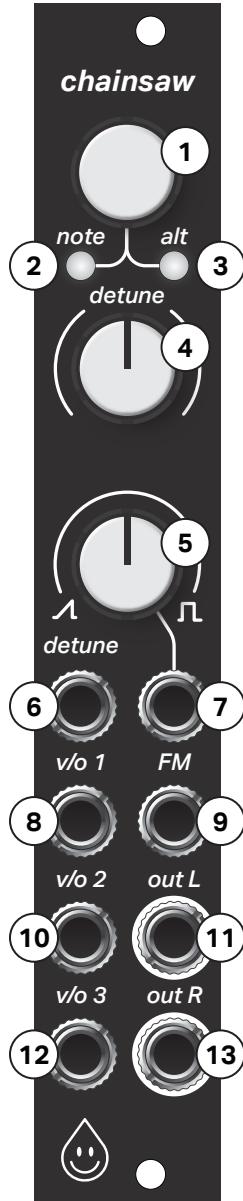
stereo super-oscillator

-12 red

Chainsaw requires a +12V / -12v power supply with a 2x5 pin ribbon cable (included). The red line of the ribbon cable must be aligned with the -12V marking next to the module's power header and on your case's power distribution board. Chainsaw draws 110mA from the +12 rail and 10mA from the -12 rail. Please ensure you have enough power available before installing.

chainsaw

(1)

note (2) (3) *alt*

detune

(4)

(5)

⎍ (detune symbols) ⊓

detune

(6) (7)

v/o 1   *FM*

(8) (9)

v/o 2   *out L*

(10) (11)

v/o 3   *out R*

(12) (13)

About Chainsaw

Chainsaw is a powerful digital oscillator designed to bring polyphony to your rack in a compact and playable interface. We were inspired by the super-saw; a mainstay of electronic music production, and a waveform rich with harmonics for filters and effects to chew on. Chainsaw features 3 voices of 7 waves, with individual pitch control per voice. All waves morph from super saw to super square for giant hollow basslines and more.

Features

Chainsaw's root frequency is controlled by encoder (1) with each step of the knob equivalent to 1 semitone while the 'note' LED (2) is illuminated. A single press of the encoder (1) button will switch to fine tune mode indicated by the 'alt' LED (3) where the root frequency can be adjusted in increments of 1 cent per encoder step. Long press (2 seconds) will return to C1 (32.7Hz).

Each of the three voices within Chainsaw is activated by inserting a patch cable into inputs (8),(10) or (12) for a maximum of 21 waves (7 per voice). These inputs are precision calibrated for 1 volt per octave signals.

Potentiometer (4) controls the detuning of each of the 7 waves per voice within Chainsaw (3 up and 3 down with one always at the root pitch). At minimum value the waves are in perfect unison, and spread shifts them apart in pitch along a unique curve. Control voltage (from -5V to +5V) at input (6) is added to the position of this potentiometer (4).

Potentiometer (5) morphs all waveforms within Chainsaw from sawtooth to square. Control voltage (from -5V to +5V) at input (7) is added to the position of this potentiometer (5).

Control voltage (from -5V to +5V) at input (9) controls linear frequency modulation of all voices within Chainsaw. This input predictably responds to waveforms up to 2 kHz.

The 7 waveforms on all 3 voices within Chainsaw are spread evenly between left output (11) and right output (13) for a rich stereo image. Chainsaw also sounds great using only one of the two outputs for mono operation.

110mA +12 / 10mA -12   *4 HP / 35mm Deep*   *Reverse Power Protection*   *Assembled in USA*