

Osc 1 and 3 - Bytebeat oscillators

Generates sound based on equations converted to analog signals , there are sixteen equations selected by Up and Down switches. Four leds indicate equation number in binary mode. Three Pots modify numbers used by the equation, A0 , A1 and A2 , fourth pot Sample Rate controls pitch and speed of the oscillation. There's an Output Level pot for the oscillator and a dedicated jack for patching the Oscillator sound to external modules .

Hold toggle switches select between fast decay, long decay and hold mode , for the touch trigger input . There are CV inputs for pitch on these two oscillators

Osc 2 and 4 -Wavetable oscillators

Digital oscillators , touch controlled or gate controlled by gate jacks , pitch is controlled by pitch pot, modulation by Lfo A or Lfo B and cv inputs.

A0 pot selects waveform, A1 pot morphs between two waveforms.

There are individual output jacks.

Lfo 1 and 2

Low frequency oscillator routed to MOD inputs for oscillators 2 and 4, also to modulation input for delay section, selectable by toggle switch , RATE and WAVEFORM shape pots.

Waveforms are : ramp up, ramp down, square, triangle, sine , sweep, random levels, random Slopes.

Delay section:

Processes the sum for the oscillators, has controls for time, feedback (can self oscillate) level and modulation amount , routed from lfo 1 or 2 based on toggle selection

Output section:

Grit: overdrive amount

Level : final output volume