

# Beta 42

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Beta 42 is a voltage controlled oscillator, with six signal generators, four Control Voltage (CV) inputs, and two audio outputs. Each generated signal can be one of four periodic waveforms, including sine, triangle, square and saw. The assignable CV inputs can affect pitch or other parameters, and signals can be mixed in various combinations at the outputs. The generators, or oscillators, may be used independently, or multiple oscillators can track the pitch of one oscillator that is being “played”, creating an ensemble of tones at intervals above and below the played pitch. The intervals can be fixed, like say minor thirds, or fifths, but tone assignments can also be made to result in musical chords, that track a played “root” note, and adjust other pitch intervals to adhere to a key scale and tonic. While pitch quantization is used in processing, actual oscillator output frequencies can remain unquantized, if desired, say for glide or vibrato effects, while interval (note) tracking and generation, with optional detuning, still remains in effect.