
VCO Manual

SV Modular



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VCO Users Manual



Figure 1: VCO

Personal Modules VCO is a simple, efficient, 16-voice polyphonic Voltage Controlled Oscillator providing 8 waveforms:

- Sawtooth
- Ramp (Inverted Sawtooth)
- Triangle
- Inverted Triangle
- Sine
- Cosine (Inverted Sine)
- Square
- Inverted Square

V/Oct

VCO uses the standard 1 volt per octave for tuning. This input accepts a polyphonic cable for up to 16 oscillator voices.

Each polyphonic input controls a single oscillator.

Output

The output jack provides output generated from the oscillators. This polyphonic output is based on the number of inputs connected to V/Oct, meaning that if a polyphonic cable with 16 channels is connected to V/Oct, then the output will present 16 channels.

Pitch

The pitch parameter controls overall pitch adjustment of the oscillators. Each separate oscillator can also be adjusted by using the CV input. This allows you to control the pitch adjustment on up to 16 oscillators with a single polyphonic cable.

Pulse Width

The pulse width parameter controls the overall pulse width of the Square and Inverted Square oscillators. These can cycle from 0.1% to 99.9% of a duty cycle. Each pulse width can be adjusted separately using the CV input, giving you full control of each oscillator.

Voice

The voice parameter controls the overall voice used for all 16 oscillators. Using a polyphonic CV cable, you can control each voice separately.