

## 3340 VCO

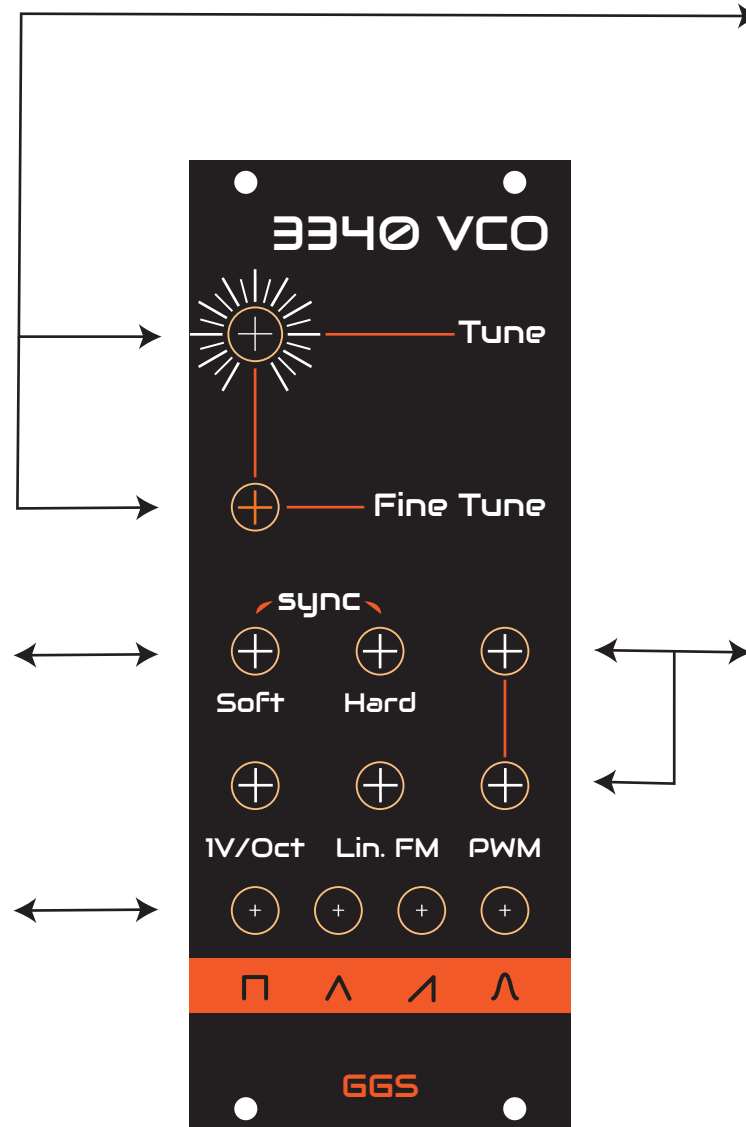
3340 VCO is a high precision voltage controlled oscillator. Design is based on the vintage CEM3340 IC. It was widely used by many synth manufacturers in the 80s.

This design is for eurorack modular synthesizers, available as a build unit and PCB + Front Panel kit. The front panel is also made out of PCB and screen printed by hand.

Sync inputs are compatible with waveforms from other oscillators in order to create standard hard sync or soft sync waveforms.

The core circuitry is capable of generating Square/pulse, triangle and ramp wave forms. Sine wave is generated by converting triangle. All waveforms outputs are 10V peak to peak, within -5V to +5V range.

Tune is the coarse adjustment of the pitch, and it's within a 10 octave range (10V, -5V to +5V). Fine Tune is used for precise adjustments of the pitch.



1V/Oct is exponential input that can generate notes. Lin. FM is the linear frequency modulation that can generate linear frequency response. PWM input is for modulating pulse width of the square wave. The range is 0V to +5V. PWM potentiometer becomes amount pot for PWM input when a CV/jack is inserted.



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