

SPUTNIK MODULAR

OSCILLATOR MANUAL V.1

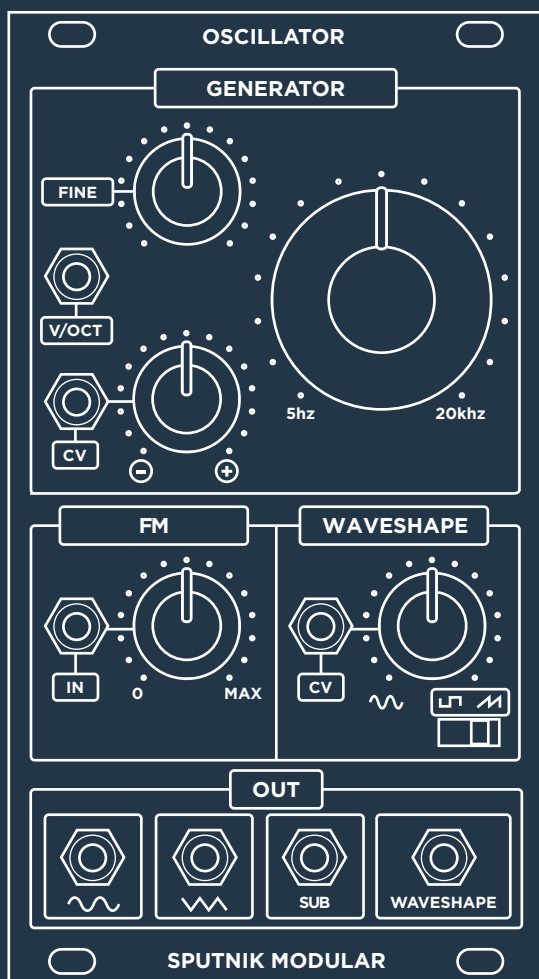


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SPECIFICATIONS

FORMAT:

Eurorack

DIMENSIONS:

14HP, 28mm deep

INTERNAL AND EXTERNAL SIGNALS (3.5mm Jacks):

CV: 0-5V, AUDIO: +/-5V

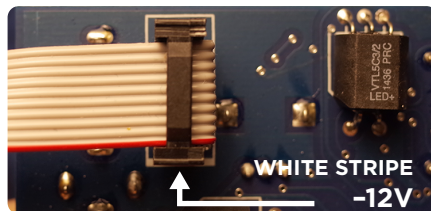
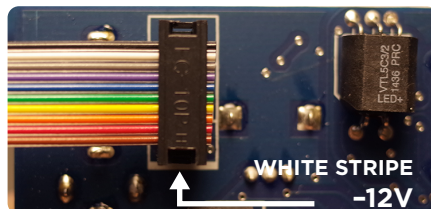
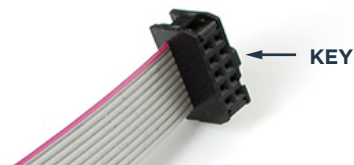
MAX CURRENT:

+12V: 60mA

-12V: 60mA

INSTALLATION

- 1 Remove module from packaging.
- 2 Power down your modular synthesizer and disconnect the power cable from the wall outlet.
- 3 Attach the included power cable to the module's power connector and connect the other end to the power distribution bus in your EuroRack synthesizer case. If you have a bi-colored ribbon cable the red stripe should be on a same side with a bold white line on a pcb. In case if you have a rainbow-colored ribbon cable the key is brown. Connector also has a key which should match sixscreen on a pcb.
- 4 Position the module on the mounting rails in your EuroRack case and screw down mounting screws. Power up! If your case does not turn on properly then you have installed the module incorrectly. Simply power down and make sure to follow the diagram when reconnecting the module.

**BI-COLORED RIBBON****RAINBOW RIBBON**

DESCRIPTION

The SPUTNIK OSCILLATOR is a voltage controlled oscillator (VCO) with a dynamic linear frequency modulation (FM) input and a unique variable waveform section. Wave shape outputs include sine, triangle, sub-octave pulse (2 octaves below the primary frequency), and variable waveshape. The waveshape out is a crossfader between a sine wave and either square or ramp wave via control voltage (0V to +5V) or a front panel knob. Both the waveshape section's square and ramp have a distinctive harmonic character different from most VCOs.

The Oscillator's FM section has an input for linear FM. The FM section's range and control knob allows a spectrum of responses from subtle pitch modulation to complete chaos.

GENERATOR

Coarse and Fine Tune frequency control.

Pitch range of 5hz to 20khz.

Dedicated volt per octave tracking input. Tracks accurately over 5 octaves.

CV attenuverter for bipolar control of CV signals.

WAVESHAPE

Crossfadable waveshape via CV (0V to +5V) or control knob. Selectable fade between sine and either square wave or ramp wave.



FM

FM Input Jack
Accepts AC-coupled and audio signals.

FM Attenuator
Controls level of frequency modulation.

OUT

Sine, Triangle, Sub (sub-octave 2 octaves below primary pitch), and Waveshape outputs.

Waveshape variable between sine and either square wave or ramp wave.

WARRANTY

This product is covered by the Sputnik Modular warranty, for one year following the date of purchase. This warranty covers any defect in the manufacturing of this product. This warranty does not cover any damage or malfunction caused by incorrect use – such as, but not limited to, power cables connected backwards, excessive voltage levels, or exposure to extreme temperature or moisture levels.

The warranty covers replacement or repair, as decided by Sputnik Modular. Please contact customer service via our website (www.sputnik-modular.com) for a return authorization.