

SPUTNIK MODULAR

QUAD VCF/VCA MANUAL V.1

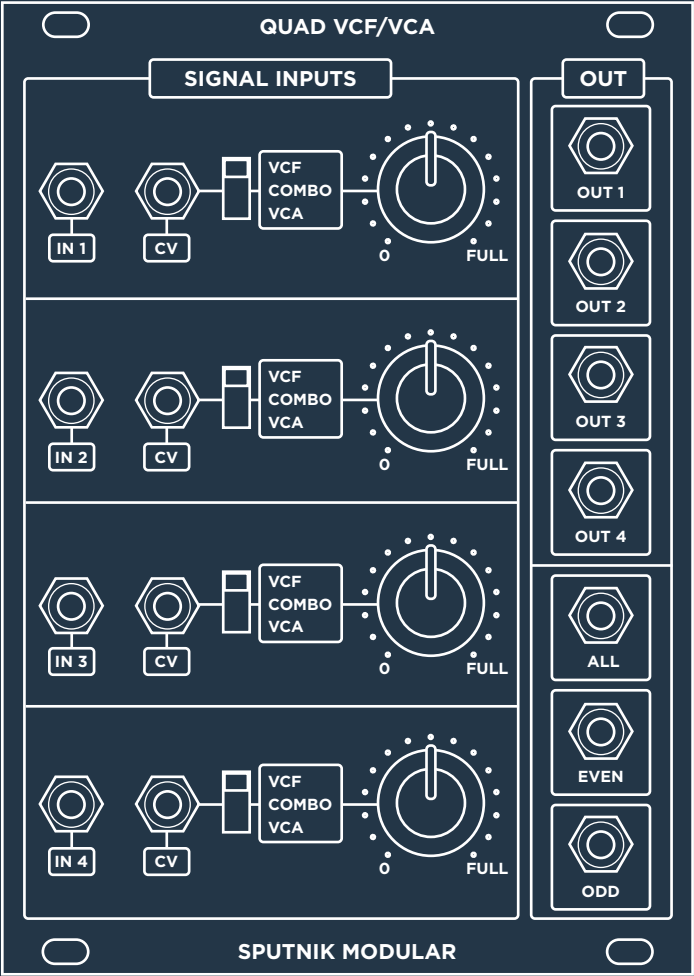


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SPECIFICATIONS

FORMAT:

Eurorack

DIMENSIONS:

18HP, 28mm deep

INTERNAL AND EXTERNAL SIGNALS (3.5mm Jacks):

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

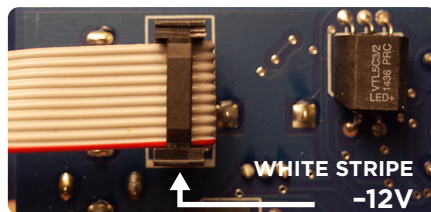
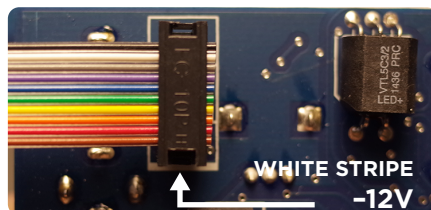
MAX CURRENT:

+12V: 50mA

-12V: 70mA

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 sickscreen 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 QUAD VCF/VCA is a four channel, vactrol-based “lopass” gate with four independent outputs, a mix output, and two sub-mix outputs. Each of the four channels has a selectable switch for VCF, COMBO, and VCA modes. In VCF mode that channel will act as a non-resonant -6db low pass filter with the cutoff frequency controlled by the control knob and by a unipolar CV input. Switching the channel to VCA mode will allow for control of the amplitude of the input signal (gain varies from -120db to +3dB).

Switching to COMBO mode allows for simultaneous control of amplitude and timbre by the CV input or by the control knob.

Outputs include individual channel signal outs, an ALL output (all outputs summed for mixing), an ODD out (outputs 1 and 3 summed) and an EVEN out (outputs 2 and 4 summed).

SIGNAL INPUTS

Accepts any AC-coupled audio signal for processing (line level or 10V peak-to-peak modular level).

CV INPUTS

Input for DC-coupled control voltage (0V to 5V). CV will control the processing of audio depending on channel mode.

3-WAY MODE SWITCH

Switches channel between VCF (low pass filter), COMBO (controls spectral response and gain), VCA (volume/amplitude gate) response modes.

CONTROL KNOB

Allows for manual control of timbre, amplitude, or both.

INDIVIDUAL OUTPUTS

Audio outputs for individual channels.

ALL OUTPUTS

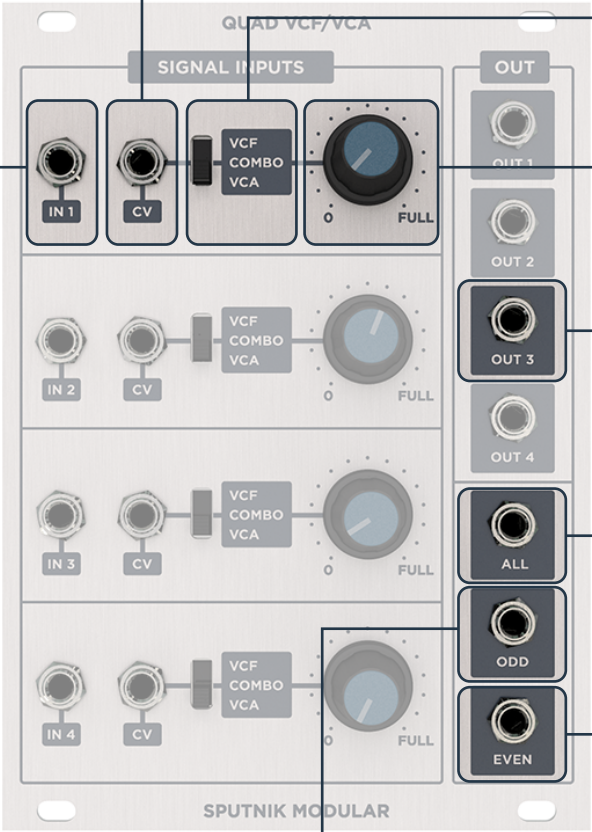
Audio outputs for all channels summed for mixing via control-voltage or manually using the control knob.

ODD OUTPUTS

A mix output of channels 1 and 3 only.

EVEN OUTPUTS

A mix output of channels 2 and 4 only.



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.