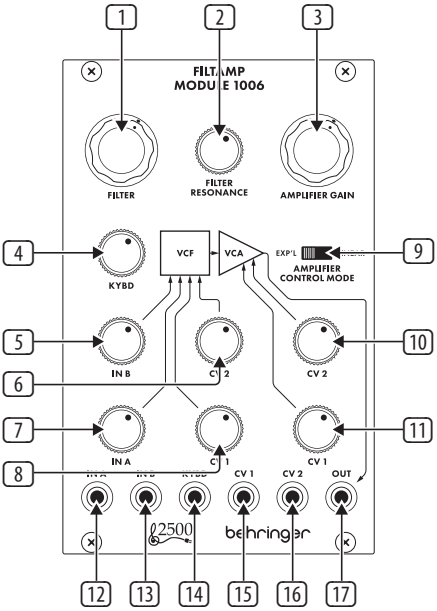
Quick Start Guide

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FILTAMP MODULE 1006

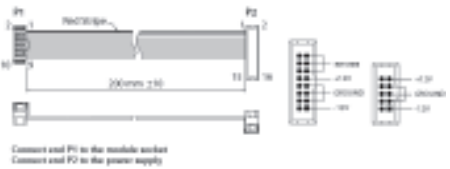
Legendary 2500 Series 24 dB Low-Pass VCF and VCA Module for Eurorack

Controls



1. **FILTER** – Adjusts the cutoff frequency for the filter.
2. **FILTER RESONANCE** – Boosts the resonance frequencies selected with the Filter knob, potentially causing VCF oscillation.
3. **AMPLIFIER GAIN** – Controls the level of the VCA.
4. **KEYBOARD knob** – Attenuate the voltage connected to the KYBD input, which controls the cutoff frequency of the filter.
5. **IN B knob** – Adjusts the level of the signal connected to the IN B input.
6. **CV 2 to VCF knob** – Attenuate the voltage that is passed from the CV 2 input to the VCF.
7. **IN A knob** – Adjusts the level of the signal connected to the IN A input.
8. **CV 1 to VCF knob** – Attenuate the voltage that is passed from the CV 1 input to the VCF.
9. **EXPONENTIAL/LINEAR switch** – Select between a linear or more natural exponential VCA response.
10. **CV 2 to VCA knob** – Attenuate the voltage that is passed from the CV 2 input to the VCA.
11. **CV 1 to VCA knob** – Attenuate the voltage that is passed from the CV 1 input to the VCA.
12. **IN A** – Connect an input signal via 3.5 mm TS cable.
13. **IN B** – Connect an input signal via 3.5 mm TS cable.
14. **KYBD** – Connect a voltage that can be used to control the VCF frequency.
15. **CV 1** – Connect a voltage that can be used to control the VCF frequency or VCA level.
16. **CV 2** – Connect a voltage that can be used to control the VCF frequency or VCA level.
17. **OUT** – Send the processed signal to other modules via 3.5 mm TS cable.

Power Connection



The unit comes with the required power cable for connecting to a standard Eurorack power supply system. Follow these steps to connect power to the module. It is easier to make these connections before the module has been mounted into a rack case.

1. Turn the power supply or rack case power off and disconnect the power cable.
2. Insert the 16-pin connector on the power cable into the socket on the power supply or rack case. The connector has a tab that will align with the gap in the socket, so it cannot be inserted incorrectly. If the power supply does not have a keyed socket, be sure to orient pin 1 (-12 V) with the red stripe on the cable.
3. Insert the 10-pin connector into the socket on the back of the module. The connector has a tab that will align with the socket for correct orientation.
4. After both ends of the power cable have been securely attached, you may mount the module in a case and turn on the power supply.

Installation

The necessary screws are included with the module for mounting in a Eurorack case. Connect the power cable before mounting.

Depending on the rack case, there may be a series of fixed holes spaced 2 HP apart along the length of the case, or a track that allows individual threaded plates to slide along the length of the case. The free-moving threaded plates allow precise positioning of the module, but each plate should be positioned in the approximate relation to the mounting holes in your module before attaching the screws.

Hold the module against the Eurorack rails so that each of the mounting holes are aligned with a threaded rail or threaded plate. Attach the screws part way to start, which will allow small adjustments to the positioning while you get them all aligned. After the final position has been established, tighten the screws down.

Specifications

Inputs	
In A/B	
Type	2 x 3.5 mm TS jacks, DC coupled
Impedance	70 kΩ, unbalanced
Max input level	+14 dBu
Keyboard	
Type	3.5 mm TS jack, DC coupled
Impedance	50 kΩ, unbalanced
CV range	0 to 10 V
CV 1/2	
Type	2 x 3.5 mm TS jacks, DC coupled
Impedance	50 kΩ, unbalanced
CV range	0 to 10 V
Outputs	
Type	3.5 mm TS jack, DC coupled
Impedance	1 kΩ, unbalanced
Max output level	+14 dBu

Controls	
In A/B	-∞ to unity gain
Keyboard	20 Hz to 20 kHz, 1 V/octave
CV 1/2 VCF	20 Hz to 20 kHz, 1 V/octave
CV 1/2 VCA	-∞ to unity gain
Filter	Cutoff frequency, 20 Hz to 20 kHz
Filter resonance	Off to self resonance
Amplifier gain	-∞ to unity gain
Amplifier control mode	Linear or exponential VCA control
Power	
Power supply	Eurorack
Current draw	22 mA (+12 V), 20 mA (-12 V)
Physical	
Dimensions	43 x 81 x 129 mm (1.7 x 3.2 x 5.1")
Rack units	16 HP
Weight	0.17 kg (0.37 lbs)

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