



Mode Selector
Selects the filter topology.
Resets to 24 on power up.

Frequency Control
Changes the filter cutoff frequency.

Resonance Modulation
Control voltage input
for filter resonance.

Resonance Control
Adjusts the amount of feedback
applied to the filter input.

**Frequency Modulation
Input**
Bipolar frequency control
voltage input.

**Frequency Control
Amount**
Bipolar frequency control
applied to FREQ CV 1 jack.

Audio Input 1
Attenuated audio input.

Input Level Control
Adjusts level applied to
IN 1 jack.

Audio Input 2
Non-attenuated audio input.

**Frequency Modulation
Input 2**
Unipolar frequency control
voltage input.

Audio Output
Filter audio output.

SYSTEM80

860 Eurorack Filter

The System80 860 Eurorack Filter is an 8 HP version of our popular JOVE filter, which was inspired directly by the unique multimode filter of the Roland Jupiter-6 Polyphonic Synthesizer. There are four modes: Low Pass 24, Low Pass 12, Band Pass, and High Pass.

The 860 comes with a standard 10 pin Eurorack power cable. The Red Stripe on the power cable indicates the position of the -12 V conductor. When connecting the power cable ensure that the Red Stripe end of the cable is aligned with the thick line next to the power header on the PCB. Connect the 10 pin connector to the 860's power header and connect the 16 pin connector to your system's power bus board. The 860 is designed to withstand brief conditions of reverse power, but prolonged connection to reverse polarity may damage the protection diodes and require module servicing.

Power consumption: 15 mA +12 V, 10 mA -12 V

Frequency CV response: 0 V to +10 V

Frequency CV range: -10 V to +10 V

Resonance CV response: 0 V to +10 V

Input (typical): 10 V_{PP}

Output (typical): 6 V_{PP} to 12 V_{PP}

Width: 8 HP

Depth: 30 MM (incl. power connector)