



VERBOS ELECTRONICS

DUAL FOUR POLE

Congratulations on obtaining your Verbos Electronics Dual Four Pole. This Euro-Rack format module revives an all discrete hi and low pass filter design from the golden age of electronic music in the 1960s. The module contains a 4 pole hipass filter and a 4 pole lowpass filter each with two reversing attenuators on the cutoff control inputs, each with voltage controlled resonance added. There are no ICs in the signal path.

The HiPass Filter

The hi pass filter section has a large "Frequency" control for setting the cut off frequency initially. Then, two reversing attenuators on c.v. inputs to mix with the panel control. There is a panel control to add resonance and a c.v. input to control resonance amount remotely. This filter will not self oscillate.

The Lowpass Filter

The lowpass filter section has a large "Frequency" control for setting the cut off frequency initially. Then, two reversing attenuators on c.v. inputs to mix with the panel control. There is a panel control to add resonance and a c.v. input to control resonance amount remotely. This filter will not self oscillate.

The output of the hipass filter is normalled to the input of the lowpass section. If two control voltages are mulled to one c.v. input on each filter, with one c.v. set to fully clockwise on both sides and the other c.v. set fully clockwise on lowpass and fully counter-clockwise on hipass... The module will act as a four pole bandpass filter.



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HIPASS



FREQUENCY

LOWPASS



FREQUENCY

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