EQ Manual

SV Modular

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EQ Users Manual

Figure 1: EQ

Personal Modules EQ is a simple, 16-voice polyphonic equalizer.

Except for the equalization mode, all parameters can be adjusted separately for each polyphonic channel using the CV or V/Oct inputs.

Frequency

Frequency is controlled on a per channel basis using a combination of the freq parameter, the freq CV input, and the V/Oct input.

Freq Parameter

The freq parameter adjusts the frequency between 20 hertz and 20000 hertz.

Freq CV

The freq CV input adjusts the base frequency.

V/Oct

The V/Oct input allows you to set the frequency using 1 volt per octave. Any additional changes using the freq parameter or the freq CV simply adds or subtracts from this value.

Q

The Q parameter and its associated CV input adjusts the Q or overall bandwidth of the filter. It can range between 0.1 and 1.

Gain

The gain parameter controls the overall gain of the filter when a gain can be applied. These modes include *Peak*, *Low Shelf*, and *High Shelf*.

Mode

The mode parameter is the only parameter that applies to every channel of the polyphonic input. These modes include:

- Low Pass
- High Pass
- Band Pass
- Notch
- Peak
- Low Shelf
- High Shelf
- All Pass

In

Input of multiple channels.

Out

The output jack outputs the attenuated results as a single polyphonic signal. The same number of channels will be output as were input.