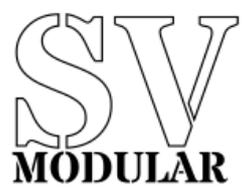

Rez Manual

Synthetic FX



November, 2019

Rez Users Manual



Figure 1: Rez

A Rez filter adds resonance to the input signal and provides three filtered outputs at a specific cutoff frequency: Band Pass, High Pass, and Low Pass.

Input

Rez has a single input that drives filter.

Output

Rez has a three outputs, filtered by cutoff frequency, that are the result of the processed input.

High Pass

The High Pass output provides frequency output above the cutoff frequency.

Low Pass

The Low Pass output provides frequency output below the cutoff frequency.

Band Pass

The Band Pass output provides filtered output near the cutoff frequency.

Parameters

Rez provides parameters to adjust the overall sound of the module. Each parameter is accompanied by a CV input that accepts input from -5 volts to 10 volts that affect the value of the parameter. Each volt is equal to 10% of the total value of the parameter, and is additive. This means that if a parameter has a range of 0 to 1, and is set to 0.5, the addition of a CV input set to 1 volt will set the parameter to 0.6.

Frequency

The Frequency parameter controls the target frequency of the frequency filter. This is defined in hertz and can be set between 0 and 20000 hertz.

In addition, Rez has a V/Oct frequency input that can track the intended frequency of the filter. When a frequency is input, the Frequency parameter becomes additive.

Resonance

The Resonance parameter adjusts the amount of signal fed back into itself. This provides a louder but richer overall signal. This can be from 0 to 1.0, or 0% and 100%.

Polyphony

Rez is a polyphonic module, meaning that it can process input and output for more than one set of inputs at a time. Rez can process up to 16 channels per input. Each channel is processed separately, with its own copy of the filter, but all copies use the same parameter settings.