Delay Manual

Synthetic FX

Delay Users Manual

Figure 1: Delay

Delay is an effect module that adds up to 16 delayed copies of the input signal back into itself.

Input

Delay has a single input.

Output

Delay has a single output that is the mixed value of each delayed signal.

Parameters

Delay 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`.

Delay

The Delay parameter controls the amount of delay induced into the Delay effect. This is defined in `seconds` and can be set between `0.1` and `1.0` seconds.

Decay

The Decay parameter controls the percentage of the decay, or lowering of volume, for each delayed signal. This can be between `0%` and `100%`. When a delayed signals volume reaches `100%` total decay, it can no longer be heard in the mix.

Count

The Count parameter controls the number of delayed signals. This can range from `0` to `16`.

Polyphony

Delay is a polyphonic module, meaning that it can process input and output for more than one set of inputs at a time. Delay 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.