Chorus Manual

Synthetic FX

SV MODULAR

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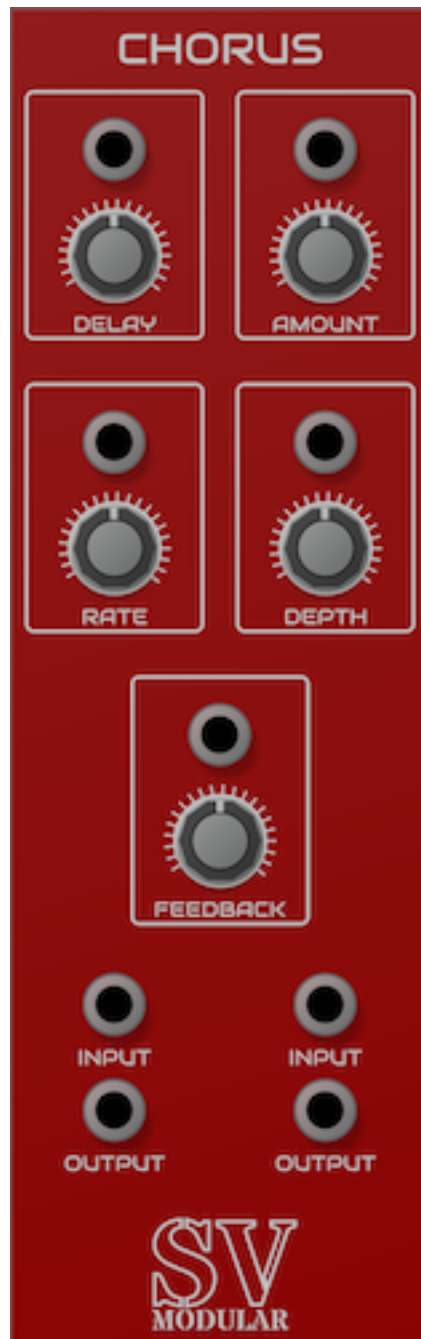
Chorus Users Manual

Figure 1: Chorus

Chorus is an effect module that adds an oscillated harmony effect to its input. It takes the input and adds delayed, pitch-modulated copies back into the base signal.

Inputs

Chorus has two inputs that operate in concert with each other, but each provides its own modulated signal output. Each of these inputs ties to its own output.

Each input can be used independently, but any effect is shared across both inputs.

Outputs

Chorus has two outputs, each tied to its own input.

Parameters

Chorus 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 chorus effect. This is defined in `seconds` and can be set between `0.01` and `1.0` seconds.

Amount

The Amount parameter controls the amount of modulated signal that is sent into the delay. It can vary between `0.01` and `1.0`, which signifies from 1% to 100% of the signal.

Rate

The Rate parameter controls the modulation rate of the low frequency oscillator. This can be set between `0.01` and `1.0 hertz`.

Depth

The Depth parameter controls the overall depth of the modulation. This ranges between `0.01` and `1.0`, or 1% and 100%.

Feedback

The Feedback parameter adjusts the amount of signal fed back into itself. This provides a louder but richer overall signal. This can be from `0.01` to `1.0`, or `1%` and `100%`.

Polyphony

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