

Echo Cinematic

Echo Cinematic is a practical stereo effects device inspired by the dub music culture that emerged from Jamaica and landed in London during the early 1980s. Analog tape delays were routinely patched into the mixing desk through a channel strip, to be Eq'd and fed back to themselves via the FX send bus. The engineer could manipulate the Eq and FX send controls to create a constantly evolving rhythmic texture, a feedback loop teetering on the edge of self-oscillation. Echo Cinematic does away with the need for a sophisticated mixing desk and expands on this principle with a versatile resonant filter and five independent sources of automation built into the module; two LFOs for both Eq and delay modulation, a 30 second knob recorder capable of simultaneously controlling every knob on the front panel, and two external CV inputs, instantly assignable to any control as you insert a patch cable.

The Eq section features three filter types: a high/low-pass filter, a peak/notch filter, and a classic comb filter. Each of these can be patched into either the feedback loop (Dub Mode), the delay output, or the entire signal path, including the dry signal. The delay section offers up to two seconds of delay with a tap delay facility that also applies grid snapping, allowing your delay settings to be constantly locked to your beat or to a clock signal. Reverb duties are taken care of by our lush 24-bit stereo reverb, as featured on our other cinematic modules.

Installation

Echo Cinematic requires a -12v/+12v eurorack power source.
Power Consumption: +12V=90mA, -12V=5mA, +5V=0mA

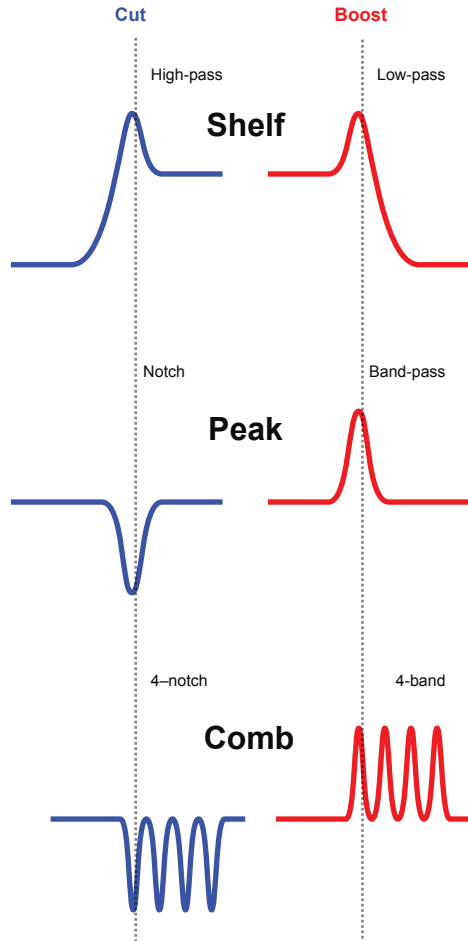
Online manual and support

The online manual can be downloaded from our website at <https://www.knobula.com/downloads>. Support can be found on our website at <https://www.knobula.com/forum>.



Please refer to the online manual for detailed information regarding compliance with EMC directives.

Filter Response Curves



KNOBULA

Quick Start Guide

Delay Time

Up to 2 seconds of delay time available.

Dry • Effect

Balance between input signal level and effect send amount.

Reverb Mix

Mix between delay and reverb.

Left Delay Lock

Lock the delay time of the left channel while adjusting the right channel independently to create asymmetrical echo effects.

Feedback

Control feedback gain amount, or freeze the delay line all together when fully clockwise.

Snapping

Delay time can snap to the nearest beat or you can be free to set your own time.

Pan

Switch between straight through or ping-pong delays that crossover the stereo field.

Eq Frequency

Control the cut off frequency of the selected Eq type.

Cut • Boost

Adjust the strength of the Eq positively or negatively for different filtering effects.

Resonance

Control the amount of resonance emphasised at the cutoff frequency.

CV A & CV B

Two CV inputs instantly assignable to any control, simply insert a cable and twist any knob within two seconds.

Play / Reset

Cue the knob recorder with a gate, or reset the loop from a trigger.

Clock

Stay in sync with tempo changes by connecting a clock signal to the clock input. Echo Cinematic continuously adjusts the delay and the grid size on the fly.



Knob Record

Record all knob movements simultaneously for up to 30 seconds, then playback once by pressing the tap/play button or repeat continuously in loop mode.

Tap / Play

Tap the desired delay time accurately four times and the delay is set, and also the grid is calibrated. Cue in knob recordings by holding down the button in play mode.

Reverb Size

Adjust from small dull halls to bright cathedral spaces with near infinite decay.

Two LFOs are available, one for eq frequency and one for delay time.

LFO Switch

Switch to control which LFO is active.

LFO Depth

Adjust amount of modulation from either a sine wave or a smoothed noise wave.

LFO Speed

Controls the speed of each LFO.

Eq Type

Shelf: Low pass or high pass filter
Peak: Band pass or band reject (notch) filter.

Comb: Classic comb filter.

Patch

Fback: Eq is inserted inside the feedback loop for rich and complex dub delay effects.

Delay: Eq inserted after the delay and feedback mix for low maintenance delays with character.

All: Eq everything everywhere all at once, including the dry input signal and reverb signal.

Outputs

Independent 2-channel operation for true stereo in stereo out, dual mono capability or normalised inputs for mono in stereo out.