

About Poly Cinematic

Poly Cinematic is a powerful 56 oscillator synthesiser that features full 8 voice polyphony in a 12hp eurorack module.

It is designed to be simple to use, with a dedicated control for each parameter, giving you immediate access to all the knobs that really matter in the world of smooth pads and punchy stabs. There are no presets and no menus to scroll through, so a brief look through this guide will help you quickly understand how to get the most out of this module, how you can quickly design the sound you want in just the flick of a switch and the tweak of a knob. But if you really do want to recall your favourite patches we've included a patch chart on the back of this guide so you can jot down the settings.

Poly Cinematic can be played polyphonically over midi but also monophonically using CV/Gate. The CV/Gate inputs can re-trigger a big chord or a fat bass note that was played in earlier via midi, and even select from 8 different memorised chords with another CV input allowing unlimited integration into larger modular systems.

Main Features:



- 7 oscillator super-saw per voice
- 3 oscillator modulated square wave
- 3 oscillator tonewheel organ
- 8 chord memories selected by cv or midi
- Detune from unison to 5th to sub-octave
- 3 filter types: lowpass, notch and highpass
- Built in high quality 24bit 96khz reverb

Installation

Poly Cinematic requires a -12v/+12v eurorack power source and draws 70mA.

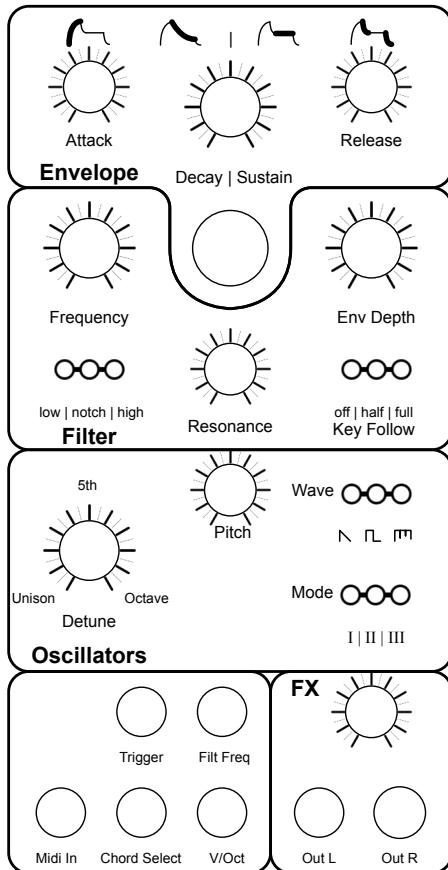
Online manual and support

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.

Poly Cinematic

Patch Name



KNOBULA

Poly Cinematic

8 Voice Polyphonic Synthesiser



KNOBULA

User Guide

Attack

The time taken for the note to build up to peak volume when a key is pressed.

Decay | Sustain

The time taken for the envelope level to decrease to zero whilst the key is pressed. Rotate past the half way point and the decay becomes infinite (Sustain) and further turning of the control will lower the sustain level.

Release

The portion of the envelope after a key is released. When in Sustain mode (see above) it also controls the initial decay rate to the sustain level.

Trigger

Pressing this button will play the last note or chord played over midi. A total of 8 chords can be saved into memory, each memory slot is selected using either a modulation wheel over midi or the CV at the Chord Select jack. Holding down shift and pressing Trigger will save all the chords to persistent memory.

Midi In

TRS Type-A midi input.

Trigger

Gate input with same functionality as Trigger button.

Filter Freq

CV control of the filter cutoff frequency.

Chord Select

CV control to select one of the 8 chords stored in memory.

V/Oct

CV control of the pitch of all 8 voices.

Change Midi Channel

Hold down Shift and turn the filter Resonance knob. Values range from Omni mode (all channels) then channels 1 through 16.

Reset to Factory Settings

Switch on the unit whilst holding Shift, the led will blink twice. Midi channel will default to Omni mode, chords will be factory defaults, and fine tune is reset to concert pitch.



Frequency

Controls the cut off frequency of the filter.

Env Depth

The amount by which the envelope generator controls the cut off frequency.

Low|Notch|High

Selects one of three filter modes. Low is a low-pass filter which attenuates frequencies above the cutoff frequency, Notch removes frequencies at the cut off frequency leaving higher and lower frequencies intact and High is a high-pass filter that cuts frequencies below the cut off frequency.

Resonance

This controls the feedback through the filter and emphasises frequencies at the cutoff frequency. Higher values will feedback, producing self oscillation.

Detune

Changes the pitch interval of the oscillators relative to each other, from absolute unison, to harmonious 5ths and sub-octaves, in-between values produce dissonant intervals.

Pitch

This knob controls the root note of all 8 voices at once. Turning it will change the frequency chromatically by discrete notes up to 1 octave up or down. Holding down Shift will fine tune +/- 50 cents. And will save the value in persistent memory.

Wave

Switch between 7 oscillator sawtooth, 3 oscillator modulated Square wave and 3 oscillator sine wave organ tones.

Mode

Offers 3 variations of the above wave types of increasing intensity.

Reverb

Controls both the level of reverb and the size of the reverb. Higher values produce very long decay times.