

Pinhl

3 – Channel Passive Low Pass Gate



Manual revision 02/09/2022

Table of Contents

Page 3

- [Overview](#)
- [Installation & Dimensions](#)

Page 4

- [Panel Layout](#)

Page 5

- [Contact Us](#)

Overview

Pinhl is a 3-channel passive Low Pass Gate module with switchable tone capacitors, giving 3 levels of low pass filtering per channel.

As Pinhl is a passive module, it does not require power from your eurorack modular power supply, and therefore has no power header on the rear. Just mount it in your case and enjoy!

Installation & Dimensions

Tenderfoot Electronics modules are designed to be used with a Eurorack-compatible case with M3 mounting holes. Pinhl fits the 3U Eurorack standard and is 4HP wide.

Height: **3U** (128.5mm)

Width: **4HP** (20mm)

Depth: **25mm**

Panel Layout

CV IN

Input a +5V or greater trigger signal for a classic LPG sound.

The vactrols used in Pinhl will give around a 4 second decay when the unfiltered setting is selected (switch in the centre position). With filtering capacitors selected, the decay will shorten.

Due to the nature of vactrols, some variability in decay times may exist between individual modules and each channel of the same module. Since Pinhl is passive, the vactrols will never reach complete silence and a small amount of audio bleed may be audible at high volumes.

Inputting a gate to the CV in will hold the LPG open.

Audio IN

Send your audio signal to the jack labelled "IN".

LED

The LED indicates the presence of a trigger or gate input at the CV jack.

Tone Switch

The tone switches are 3-position switches, with each position giving a different level of low-pass filtering to the audio signal.

UP

In the up position, low pass filtering is relatively mild, and the decay is of a medium length.

Centre

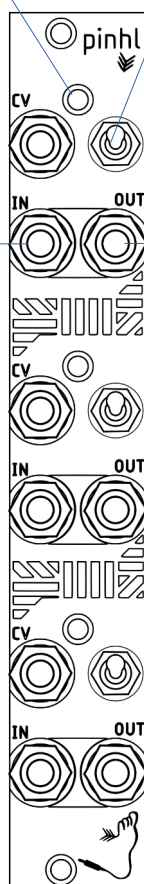
In the centre position, the filtering capacitors are bypassed, giving the brightest tone with the longest decay time.

Down

In the down position, the tone is the darkest, and the decay is at its fastest.

Audio OUT

When the the LPG is open, the audio will emerge from the jack labelled "OUT".



Channels

Pinhl is laid out in 3 channels, arranged vertically. The controls for all 3 channels are the same, with the only difference being that the bottom channel is voiced slightly darker than the other two. This means the tone switch will have a mildly stronger low pass filtering effect and the decay will be slightly quicker for the up and down switch positions of the bottom channel.

Contact Us

Have fun with your Pinhl module, and if you have any questions or would like to get in touch with us, you can send an e-mail to:

support@tenderfootelectronics.com !