



3Leaf Audio

Musical devices for creative humans

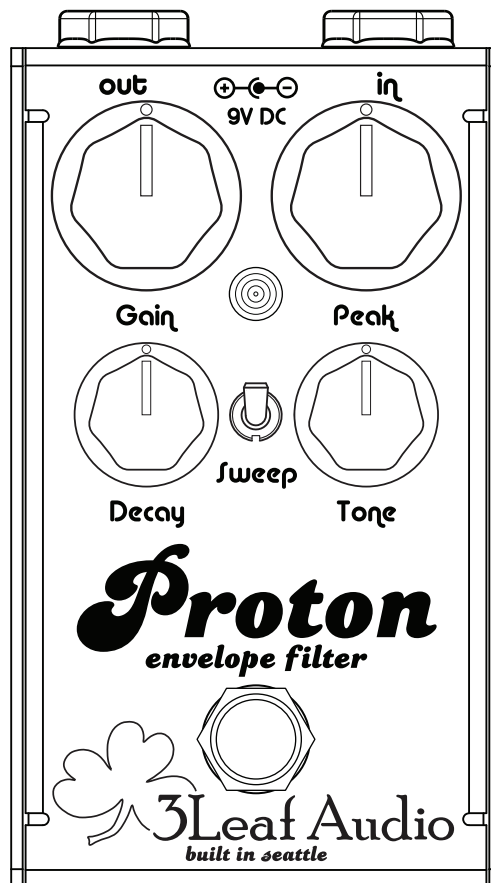
The Proton is a modern homage to the classic Mutron III envelope filter. It has a wide frequency response that sounds great with every instrument. Version 3 has increased input sensitivity to work better with low-output instruments, and it adds a tone knob for variable control over the filter cutoff frequency.

9v DC, 25mA minimum.
2.1mm center-negative
(Boss-style) plug.

Gain - Response of the filter to your playing dynamics. This should be adjusted based on the output of your instrument. Start with the sensitivity at minimum and turn up until the filter reacts to your liking.

Decay - The time it takes for the filter to sweep. Higher settings produce long, natural envelope sounds, while lower settings produce quicker, more “bubbly” envelope sounds.

Sweep - Direction of the filter’s sweep. In the up position, the filter sweeps normally. In the down position, the sweep is reversed. You may need to change the settings of the gain and decay knobs; settings that work in the up position won’t always work well in the down position.



Peak - The “wetness” of the filter sound. Higher settings produce a more aggressive sweep with a sharper resonant peak.

Tone - The maximum cutoff frequency of the filter. It works like the tone knob of a guitar or bass. Higher settings will accentuate the treble frequencies; lower settings increase the filter’s warmth.

Relay-based silent true bypass will automatically switch to bypass mode if power is lost.

Warranty

This stompbox is guaranteed against defects for one year. The warranty covers the pedal under normal use, not abuse. If you need to send your pedal in for repair, send an email.

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