



Proton Envelope Filter

Handbuilt in Seattle, Washington, USA

Thanks for purchasing the new Proton envelope filter! The Proton is designed to get a great sound without having to fiddle around with the controls, but you still might find some useful info here.

Power

Use a 9-18v DC power supply with a 2.1 center-negative (Boss-style) plug. The Proton will draw about 25mA at most. Use of an improper adapter will void your warranty and could damage the pedal.

Controls

Gain

Controls how sensitive the filter is to your playing dynamics. If the gain control is all the way counter clockwise, the filter won't open at all. Start there and turn it up until you reach the desired tone and response. The gain control is very powerful; where it is set will affect the filter's attack and decay speeds, as well as the overall brightness.

Peak

Controls the resonance, or wetness, of the filter. Everything up to 12 o'clock is on the subtle side. For the classic 70's filter sound, set it between 12 and 3 o'clock. Anything past 3 o'clock is extra juicy and contains harsh resonant peaks, so use caution.

Range

Controls the frequency range of the filter sweep. The up position is a brighter, more focused sound. The down position is a thick, juicy sound with a deep sweep.

Band

Selects the bandwidth of the filter sweep. The down position is lowpass, which retains all of your low end. The up position is bandpass, which is a more aggressive sound but sucks out the low end.

Sweep

Controls the direction of the filter's sweep. In the up position, the filter sweeps normally. In the down position, the sweep is reversed. You may find that the down sweep works best with the gain control cranked up a bit.

WARNING: In certain settings, the Proton can put out very loud resonant peaks that can blow speakers. This is especially true if you crank up the peak control and set the range and sweep switches to the down position. Use caution and start with your amp volume low when dialing in your settings.

Warranty

Your Proton 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, shoot me an email.

Got questions or comments? Email me!

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