3Leaf Audio

Wonderlove Envelope FIlter

Built in Seattle, Washington, USA

Years of listening and experience have culminated in the Wonderlove - my homage to Stevie Wonder, the artist who popularized the envelope filter effect in the early 1970s. It is the best filter I can make, and I hope it brings you many years of enjoyment.

Controls

Sensitivity - 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.

Attack - Initial response of the filter. Lower settings produce a fast, snappy attack, while higher settings produce a slow, fat "thwap" sound.

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

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.

Blend - The mix between your clean tone and the output of the filter.

Range - Frequency range of the filter. The high position invokes the classic Mutron sound and works well on all instruments. The low position is recommended for extremely fat and juicy filter sweeps.

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 attack and decay knobs; settings that work in the **up** position won't always work well in the **down** position.

Band - Sets the filter type. Down is low pass - a deep, full sound that retains all your low end. Up is band pass - a more agressive sound that cuts through the mix and loses your low end. Bandpass sounds great with some dry signal blended in.

Resonance - The "wetness" of the filter sound. Higher settings produce a more aggressive sweep with a sharper resonant peak.

Boost - Located on the left side of the pedal, this trimpot boosts the filter ouput by up to 6dB.

I/O

Power - The Wonderlove is powered by a 9-18v DC adapter. Make sure the plug is a 2.1mm center-negative (Boss-style) type. Current draw is about 25mA. Don't use an adapter that produces more than 18 volts!

In - Plug your instrument in here.

Out - Plug your amp in here.

FX Send/Return - The FX loop send and return jacks can be used to trigger other effects with the Wonderlove. Run a cable from **fx send** to the input of an effect, and run another cable from the output of that effect to **fx return**. If the pedal in the FX loop is left on, it will turn on and off with the Wonderlove. The Wonderlove is still triggered by the signal from the **in** jack, but the filter affects the signal coming through the **fx return** jack. If the Wonderlove is set to buffered bypass mode, the effects loop will be active even when the effect is bypassed. This is particularly useful with dynamics-killing effects like fuzz.

The FX loop can also be used with external triggers. If you plug your instrument into **fx return**, whatever is plugged into the **in** jack will trigger the filter. You can use anything as an external trigger; the possibilities are unlimited.

Expression Input - You can control the filter sweep manually by plugging in an expression pedal here. This disables the sensitivity, attack and decay controls. Make sure to only use an expression pedal with the standard Moog pinout (voltage on ring).

True/Buffered Bypass - This internal switch selects between true bypass (input jack wired directly to output jack) and buffered bypass (bypass signal passes through a buffer to easily drive long cable runs).

Warranty

The Wonderlove 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.

spencer@3leafaudio.com