



Groove Regulator Instruction Manual

Congratulations for purchasing your new 3Leaf Audio Groove Regulator, the fattest, funkier envelope filter ever created. The Groove Regulator is a powerful and versatile effects pedal - to get the most out of it, please take some time to read this instruction manual.

Controls

For the purposes of this manual, a lower setting refers to a counter-clockwise turn, and a higher setting refers to a clockwise turn.

Sensitivity

This controls the sensitivity of the filter. This should be adjusted based on the output of your instrument. Set sensitivity lower for high-output instruments and higher for low-output instruments. The sensitivity knob works best when the volume control on your instrument is at full volume.

Attack

This controls the initial response of the filter. Start with it at the minimum position and turn clockwise until the desired sound is reached.

Decay

This controls the time it takes for the filter to sweep the note. Higher settings develop long, sweeping envelope sounds, while lower settings develop shorter, more “bubbly” envelope sounds. Decay should be set higher than attack so that the filter can sweep effectively.

Intensity

This controls the intensity 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.

Feedback

Useful for guitarists, the feedback switch can be used to control the resonance of the filter. If you experience unwanted or excessive feedback, flip the switch to the down position. The feedback switch, when in the down position, also makes the envelope effect slightly more subtle.

Range

This controls the frequency range of the filter. The default position is **HI** which works well on guitar and bass. For users that want the fattest low-end sound, the **LO** setting is recommended.

WARNING: The **LO** position of the range switch puts out frequencies so thick and juicy that it is possible to blow speakers. Please start with the volume on your amp low and turn up until reaching the desired volume.

Sweep

This 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 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.



Power

The Groove Regulator can be powered by an internal 9v alkaline battery or with a 9vDC adapter. Make sure that the plug is the 2.1mm center-negative (Boss-style) type. Use of an improper adapter will void your warranty. Insertion of an adapter plug disconnects the circuit to the internal 9v battery so that it won’t be drained when using an adapter.

Jacks

Plug your instrument into the **IN** jack and your amp into the **OUT** jack.

The FX loop send and return jacks can be used to trigger other effects with the Groove Regulator. 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 Groove Regulator. The Groove Regulator is still triggered by the signal coming through the **IN** jack, but the filter affects the signal coming through the **FX RETURN** jack.

The FX loop can also be used with external triggers. If you plug your instrument into **FX RETURN**, then whatever is plugged into the **IN** jack will trigger the filter. You can use anything as an external trigger; the possibilities are limited only by your imagination.

Warranty

Your Groove Regulator is guaranteed against defects for life. The warranty covers the pedal under normal use, not abuse. If you damage your pedal, repair will be the cost of parts plus shipping. If you need to send your pedal in for repair, shoot me an email.

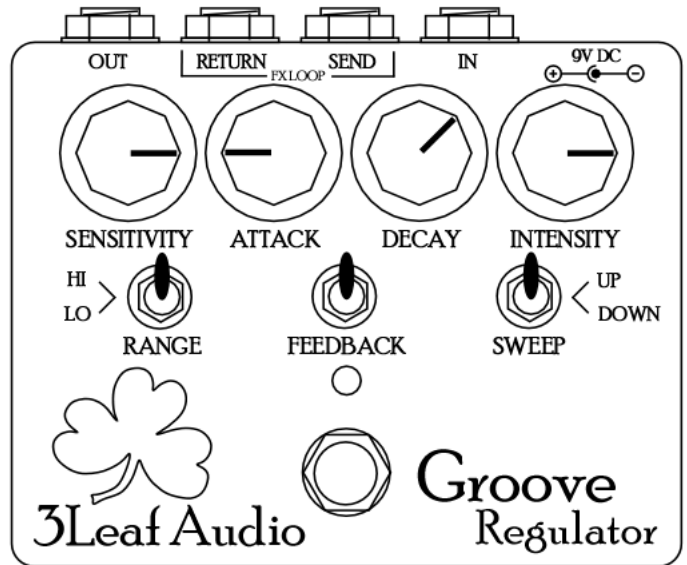
Specifications

Size	4.7 x 3.9 x 2.2 inches (12 x 10 x 5.5 cm)
Weight	14.3 oz (406 g)
Power Requirements	9v DC, 25mA max.
Battery Life	15 - 20 hours
Bypass	3PDT True Bypass
Circuit	100% Analog
Handbuilt in Seattle, Washington, USA	

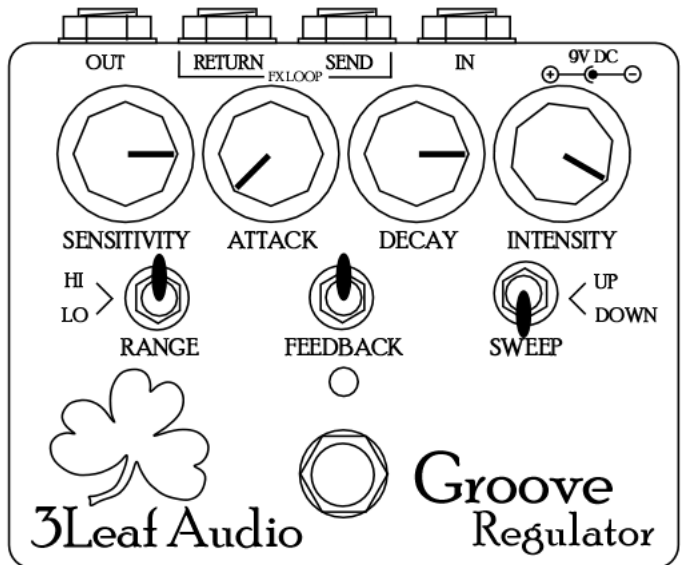
Got questions or comments? Email me!

spencer@3leafaudio.com

Some settings to get you started.



Classic envelope filter



Reverse sweep