

PlimSoul[®] mkII



OWNER'S MANUAL

Clipping = Distortion, and for many years we've only been offered two clipping choices: Soft-Clipped or Hard-Clipped. Soft-Clipped pedals include Tube Screamers, Fulldrive2, OD-1, etc, which get their distortion by using diodes placed in the feedback loop of their Opamp. This type of clipping is generally favored by the folks wanting a cleaner, more compressed, low-to-medium gained Overdrive sound. The other choice we have are Hard-Clipped pedals like the RAT, Distortion+, Boss DS-1, etc. These pedals create distortion using diodes tied to ground or, unique to the Fulltone OCDv2, Mosfets that are tied to the half-way point between 9 volts and ground (called Vref), offering a more natural sounding distortion, one that emulates the SAG (feel) of an amp's tube rectifier.

The original PlimSoul is the only pedal to offer both Soft & Hard clipping with separate control over each. I designed the PlimSoul's unique, independent dual-stage clipping circuit to replicate not only the sound, but the feel of a tube amp with its subtleties and complexities, resulting in my being granted U.S.Patent # 8471136.

The PlimSoul was a great first step, but the **PlimSoul mkII** offers significant improvements over it:

- * Input Impedance increased from 500k to 1.1 Megaohms for even better interaction with guitar's Volume knob.
- * Top-Mounted Jacks and external power port.
- * Soft-Clipping (Stage 1) and Hard-Clipping (Stage 2) are now truly-independent, allowing for aggressive, punchy gain with the Hard-Clipping knob turned up even while the Soft-Clipping knob is turned down!
- * Hard clipping now uses two Germanium Diodes tied to Vref instead of LEDs...it's a night-and-day improvement.
- * New loss-less Bass switch, located just before the Hard-Clipping in the circuit, giving the ability for tight, percussive distortion that's not muddy. You will find your place in the mix immediately, and sound great doing it!
- * Treble control now offers plenty of brightness when turned up.
- * The Soft-Clipping stage is extremely Asymmetrical, the Hard-Clipping stage is Symmetrical, dial-in infinite combinations of the two.

The Fulltone PlimSoul mkII might be the most versatile Overdrive/Distortion ever made. They are Hand-Built in the U.S.A. using top-notch, full size components, many of our components are designed by me and made exclusively for Fulltone.

A handwritten signature in black ink, appearing to read 'M. Fuller'.

Michael Fuller/President

VOLUME knob (see #1 in diagram to the right): Controls the loudness of the pedal when it is turned ON.

SOFT-CLIP knob (#2): Controls the amount of Soft-Clipping (Overdrive) produced when the pedal is turned on. Clockwise (CW) increases Overdrive.

RED L.E.D. (#3): When this is lit-up the pedal is ON.

HARD-CLIP mini-knob (#4): Controls the amount of Hard-Clipping (Distortion) when pedal is ON. Turn CW to increase Distortion. **Note:** This knob makes a slight scraping noise...that is normal! Although it sounds like a dirty pot, it's actually just the sound of the bias changing on the JFET as it's being used for gain-makeup.

3-position BASS switch (#5): Located right before the Hard-Clipping stage, this loss-less Bass control is way more effective than a standard Bass design. "Min" offers the minimum amount of Bass, "Half" offers about twice as much, and "Max" offers the maximum amount of Bass. **Tip:** Playing through a 4x12" Cabinet? Try "Min" or "Half" position.


TREBLE mini-knob (#6): Reduces the amount of Treble when turned Counterclockwise (CCW). Your setting may change depending on the degree of both the Soft and Hard clipping chosen.

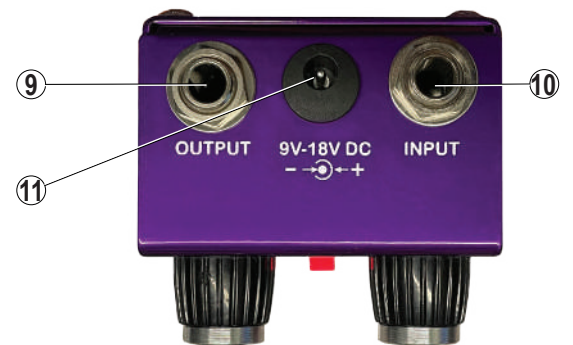
Battery access THUMBSCREWS (#7): Unscrew both by turning CCW until they detach completely. Then pull both sections of the housing apart. Battery is located down by the footswitch.

ON/OFF footswitch (#8): Pressing this switch turns the pedal ON & OFF. This pedal employs Full-Bypass Switching for the purest sound and minimal tone-loss when the pedal is switched OFF.

INPUT jack (#10): Plug the cable from your guitar (or the OUT of another pedal) into this. The pedal will not turn on unless there is a cable plugged in to this jack. **Note:** If you are power this pedal with a battery, always remember to unplug the cable from this jack. when not in use to preserve battery life, even if pedal is turned OFF. If you are using an external power supply, you do not have to remove the cable from the INPUT when not in use, and the battery will not die as long as anything is plugged into the DC jack.

OUTPUT Jack (#9): Plug a cable from this jack to the amp's INPUT or to another pedal's INPUT.

DC POWER jack (#11): Use a industry-standard "Negative to Center" power supply, as shown in the following diagram:  99% of wallwart power supplies hiss, hum, or make a screeching noise because they are poorly designed. Use only professional-grade, regulated power like the **Fulltone IPS-9** or **IPS-18**. For multiple-output power supplies we recommend Voodoo lab products as many others claim to be isolated and regulated yet are actually not.



SUGGESTED SETTINGS

Blues/Rock Rhythm (Neck PU, amp set clean)	Plexi Crunch (small amp set clean)	Singing *umble-style Lead tone (amp set clean or slight breakup)	EJ-style Liquid Lead tone (amp set clean or slight breakup)
			

WARRANTY: Fulltone products carry a Limited 5 year Warranty to the original owner with proof of purchase that the product was bought direct or from an Authorized Fulltone Dealer. The Warranty covers failure due to manufacturing errors only and is void if any mod or repair is performed by anyone other than Fulltone AND/OR if we deem that any operator-caused abuse or damage has occurred, for example; the use of an incorrect power supply, a dropped pedal, water damage, etc. Customer is responsible for all shipping costs both to and from Fulltone. Do not call, instead all repair issues are handled via email to troubleshoot the possible problem and (after troubleshooting) for the scheduling of Warranty Repair. After we have deemed that a repair is necessary, we will email you an Acrobat PDF copy of our Return Authorization Form (RA Form) and print it out, fill out all information, and include it with the device you are sending. Fulltone Musical Products Inc. is not responsible for and injuries and/or damages related to the use of our products.

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