

# Fulltone® PlimSoul®



For many years you've basically had only two choices for your Overdrive/Distortion pedals: You could get **Soft-Clipped** pedals like the Tube Screamer, Fulldrive2, OD-1, etc. which get their distortion via diodes placed in the feedback loop of an Opamp. This type of clipping is generally favored by the folks wanting a more clean, compressed, low-to-medium gained Overdrive sound. The other choice you've had is **Hard-Clipped** pedals like the RAT, Distortion+, Boss DS-1, etc. which create their clipping using diodes to ground...or unique to the Fulltone OCD & PlimSoul, clipping that goes to the half-way point between 9volt and ground, a place called "Vref." These type of pedals are generally favored by Hard-Rockers for their tight, less compressed, heavily distorted tones.

**What if there was a pedal that offered both Hard & Soft Clipping in one package...with each type of Clipping independently adjustable!? There is now... the Fulltone PlimSoul.**

PlimSoul has those Softer Bluesy, Compressed sounds, and even handles the more open-sounding slightly dirty Boost jobs as well. So don't assume it's just a wild, high-gain Monster, although you can turn up the "Sustain" knob and it gets VERY Hi-Gain...and then if you need *more* there's also has a secondary Clipping Stage (to Vref) called *Stage 2* that you can roll in with the turn of a little dial to add that firmer, crunchier, British output tube style Distortion! What's more is you not only hear and feel it...you can **see** the pedal reacting to your every mood via a fiery LED that glows brighter and dimmer depending on how high you drive & set *Stage 2* and how hard you're hitting it.

*How does it compare to the OCD?* Completely different! The EQ of an OCD is somewhere between neutral and mid-scoop, and **asymmetrical** Hard-Clipping...PlimSoul has a gorgeous midrange, not too much...and has Soft-Clipping AND **symmetrical** Hard-Clipping...offering a totally different array of sounds.

*Is it Touch sensitive?* **Yes**, it doesn't get any better. Pick soft, it's clear...pick hard, it distorts!

*Does it clean up when the guitar's volume control is reduced?* **Yes**, more than any, and even better than the OCD.


*Does it mate well with Humbuckers as well as Single coils?* **Yes**.

*Does it interface well with other pedals?* **Yes**, it has an Ideal 500K Input Impedance, ideal super low 10K Output Impedance.

*Does it offer a LOT of Distortion?* **Yes, gets very dirty**, the dirtiest pedal I make...but gets VERY clean as well.

*Can I blend the 2 types of Distortion?* **Yes**, that's why I believe this pedal to be the most flexible, amp-like, wide-ranging distortion ever built...the combinations are endless, allowing you to blend the 2 types of clipping to any degree or to have *only* Soft-Clipped or *only* Hard-Clipped.

In a nutshell, the Fulltone PlimSoul has extremely good Sustain & Feedback qualities, just the right amount of Mids, Bass, and sweet Highs. PlimSoul offers great touch sensitivity, dynamics, and all those in-between shades if you're one (like me) who likes to use your guitar's volume control...Play on!

 (Michael Fuller/President of Fulltone)

# PlimSoul®

**Level:** This knob controls the amount of signal (Volume) that exits the pedal. PlimSoul has about 30db of available gain, a lot more than most distortion or Overdrive pedals, so don't be surprised if you end up running the Volume control below 11 o'clock and you're still getting a lot of available Volume.

**Sustain:** This controls the amount of distortion for the first (Soft-Clipped) stage only. This stage consists of various types of diodes placed in the opamp loop to achieve a wildly asymmetrical waveform. Asymmetrical waveforms tend to be rich in even-order Harmonics, resulting in sweet overtones like you can get from an overdriven tube amplifier. The **Sustain** knob will get you way into Distortionland when it's set above 12 o'clock. You'll notice that it's a softer, more compressed distortion **when used by itself**, meaning when the **Stage 2** knob is turned OFF, which is achieved by turning **Stage 2** full Counter Clockwise. (CCW)

**Hi-Cut:** This tone knob affects only the high frequencies and you'll find the 3 o'clock position and beyond to be pretty much neutral depending on **Sustain** and **Stage 2** settings. As you use higher gain settings, you may find that you'll lower the **Hi-Cut** by turning it CCW.

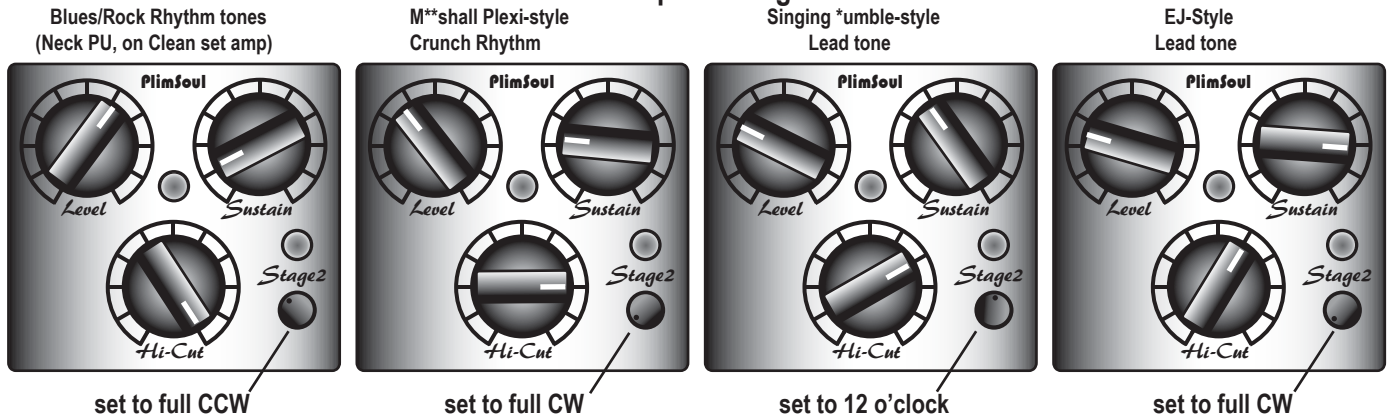
**Stage 2:** This little knob controls the Second Stage of Distortion, which consists of Symmetrically Clipped LED's to Vref (4.5 volts). Hard-Clipping tends to have a more percussive feel with tighter low-end response which is reminiscent of output tube distortion, similar to what you'd get by driving old Marshall Plexi Amps at high volume. You are able to use **Stage 2** in conjunction with **Sustain** to craft the texture of Distortion desired...or you can turn down **Sustain** and use only the **Stage 2** distortion.

**Stage 2 LED** (located above the **Stage 2** knob) This LED shows how much of the **Stage 2** clipping is being engaged. The higher (CW) you set **Stage 2**, the brighter and longer this LED glows. Conversely the lower (CCW) you set **Stage 2**, the LED glows dimmer. You will always see a tiny bit of glow on this LED while playing (when you're in a dark room) as it is very sensitive to voltage but **Stage 2** is not "in play" when **Stage 2** knob is full CCW.

**Battery Hatch:** No need to take this pedal apart to access the battery! Simply remove the thumbscrew from the hatch, (located at the rear of the pedal below the **Level** & **Sustain** controls) swing open the hatch door, remove battery, replace battery, and close it back up.


**True Bypass switching** via the best switch in the world...the Fulltone-made 3PDT footswitch.

## Sample Settings



## Specifications

Input Impedance~500K~ which is High Impedance, to match up well your Pickups.  
Output Impedance~300 ohms~very low Impedance, to mate well with other pedals & for driving long cables without tone loss!  
Current draw~12ma (milliamps)~battery should last for months.  
Maximum Voltage Gain~470

**DC Power Options** You may run this pedal on the 9 volt battery (included) or on any voltage between 9 and 18 Volts DC as long as the adapter is (standard) 2.1mm x 5.5mm barrel plug with "Negative to Center Pin" configuration. (as illustrated by the following diagram)   
You should unplug guitar cable from INPUT when not in use to prolong battery life UNLESS you have an adapter plugged in to the DC outlet. If you do have an adapter plugged in (even if that adapter is off!) there is no need to unplug the guitar cable from the INPUT and your battery will not be drained. This is because our DC outlet is True-Bypass and disconnects the battery supply line, thus keeping the battery fresh.

**Warranty** Fulltone products carry a Limited 5 year Warranty to the original owner with proof of purchase that the product was bought from an Authorized Fulltone Dealer. There is no need to register your product, simply keep a copy of your original sales receipt. 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. Batteries are not Warranty-covered and Customer is always responsible for all shipping costs both to and from Fulltone. Do not attempt to call Fulltone, instead, all Repair issues are handled by an email (fulltonerepairs@att.net) to troubleshoot the possible problem and (only 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 you will 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.

## Fulltone Musical Products Inc.

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