

Congratulations on your purchase of the *Fulltone*®



## OCD V2 Operating Manual

The Fulltone **O**bsessive **C**ompulsive **D**rive (OCD) is an extremely open sounding Overdrive/Distortion circuit that differs from other overdrives in that it has a good bit more Dynamic-Range...meaning the difference between picking soft or picking hard will actually yield a more natural and wider range of distortion (with less compression) than traditional diode-clipped overdrives. The OCD also creates complex overtones without changing the inherent tone of whatever amp and guitar you're playing through, in the process lifting off that blanket other drive pedals can put on your signature sound.

The OCD accomplishes its tube-like distortion through the unusual combination of overdriving its JFET opamp, and then hard-clipping with a pair of MOSFETs later on in the circuit. This topography did not exist in a pedal prior to the OCD, and the circuit works very well with a vast array of guitars and amps. Because of its large amount of available output volume, the OCD works great as a booster in front of amps to goose them into submission, as well as through Master-Volume amps to drive them much harder than most OD's can, but it also excels at creating its own distortion with all the chime of a Class A amp and its complex array of overtones. The OCD gives you the feeling that your amp is Cranked at even living room volume so Clean playing is more dynamic and dirty sounds still have the ringing overtones. The OCD's can access a slew of other in-between sounds by simply turning up or down your guitar's volume control, in fact, no other pedal "cleans up" like the OCD. Try it at 18VDC and you get another level of dynamic range and clarity. I recommend using the Fulltone IPS-18 for 18volt operation (for use in all countries) as it is regulated and dead-quiet. Avoid other "switching type" power supplies, as we get a lot of reports that the majority of them hum or create strange synth-like noises. Ours is quiet.

There are a lot of OD's comparing themselves to and stealing from the Fulltone OCD, and that's to be expected when you're the best selling handmade overdrive of all time. There are many out-and-out clones of the OCD, and that's some form of a compliment I suppose, but I'd like to personally thank you for buying and supporting *the original*...the one and only OCD.

### Version 2 of the OCD has some exciting improvements over previous versions:

**Class-A wired JFET input** raising the impedance from all previous OCD version's 330K to 1 Mega ohm, thus interfacing better with all types of pickups, isolating the input from everything coming before the OCD in your signal chain, and giving the pedal more touch-sensitivity than any other OCD version, or any other pedal for that matter.

**Buffered output** completely isolates the the pedal from the influence of everything following it in the signal chain and allows much more sustain and overtones than previously OCD's, even at lower distortion settings.

**Internally selectable "True-Bypass" (TB) or "Enhanced Bypass..." (EB) switching.** EB, a Fulltone innovation, is a vast improvement over the industry-standard, dynamic-robbing unity-gain JFET or Bi-Polar buffers used by other companies. Fulltone's EB doesn't have the out-of-phase issue and tone-loss inherent with most circuits either. True-Bypass was great back when we were only using a few pedals. But things have changed. Simply placing the V2 OCD (bypassed, in EB mode) in your signal path will recoup all of the lost tone and picking dynamics that standard buffered & TB pedals and cables cause.

Regards,

Michael Fuller/ Product Designer & President of Fulltone

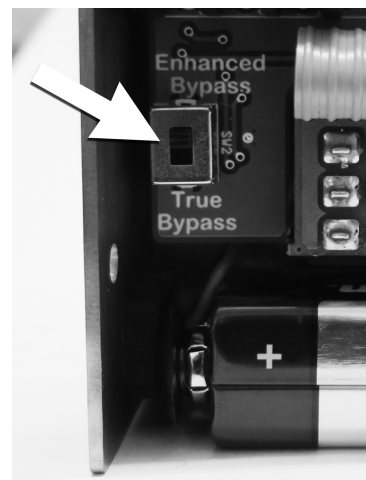


### Features:

#### Internally selectable True-Bypass or Enhanced Bypass™:

For many years the average guitarist's rig consisted of only a few pedals, and True-Bypass (TB) switching was the ultimate way to achieve a clean signal path. Everything's different now, most guitarists have elaborate pedalboards with 10 or more pedals being the norm! Once you have multiple jumper cables, multiple effects (even with true-bypass) pedals, there is tone loss and loss of dynamics, meaning the amp ceases to respond to differences in picking attack. Worse, many tuners, loopers, and pedals employ poorly-designed buffered-bypass, while recouping some of the high-end signal, they still suffer from a complete loss of dynamics. Enter Enhanced Bypass™ (EB), this exclusive Fulltone bypass system brings back all of the lost dynamics and tone that all those cables and other pedals take away. And EB offers totally "pop free" switching, so you don't get any loud and possibly destructive noises when switching the pedal ON or OFF.

You can choose whether your OCD employs True-Bypass or Enhanced Bypass™ switching by opening up the pedal (removing all 4 thumbscrews and pulling the pedal enclosure apart) and sliding the Bypass switch up (for EB) or down (for TB), see photo to the right. **Warning!** make sure that the switch is set either full up or full down, and not in the middle, to avoid cutting out of the sound accompanied by a strange high-pitched noise.



**Fulltone 3PDT footswitch:** we use the best parts available anywhere, including the best switch in the world... the Fulltone-designed manufactured 3PDT.

**Drive Knob:** Turn this Clockwise (CW) for more distortion, keep below 10 o'clock for cleaner sounds and for boosting your amp's input without changing your basic tone

**Volume Knob:** Controls the amount of signal that exits the pedal. The OCD has about 20dB of available gain (more in HP mode) so don't be surprised if you end up running the Volume control at around 9 o'clock to get unity gain.

#### HP/LP switch:

Set to **HP** (High Peak) you get increased increased distortion throughout the Drive Knob's range, more volume, and a slight increase in the midrange (between 1-2 KHz) for more of a "British" vibe (ala Vox and Marshall)

Set to **LP** (Low Peak) you get incredible accuracy to the original sound of your Guitar and amp...very little coloration! Excellent for Clean Boosting, for cranked Blackface or Tweed-style ones, and for when you're not going for a British type sounds.

**Tone Knob:** This knob only affects the high frequencies, you'll find that 12 o'clock position is very much neutral, turn it CCW (counter clockwise) to 10 o'clock or so for smoother high-gain lead sounds (with Drive knob higher than 12 o'clock) or turn it clockwise for more cut, and a less compressed feel.

#### Sample Settings:

**Blues/Rock Rhythm tones** (Neck PU, on clean set amp)

**Volume=** 11 o'clock      **Drive=** 10 o'clock      **Tone=** set to preference **Toggle= LP**

**Rock British Tones** (Bridge PU on clean set amp)

**Volume=** 10 o'clock      **Drive=** 1 o'clock      **Tone=** set to preference **Toggle= HP**

#### Specifications:

Input Impedance = 1 mega ohm

Output Impedance = 10k ohms (when pedal is switched ON and also when switched OFF while employing Enhanced Bypass™)

Current draw= approximately 8 milliamps

**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)

To access the battery remove all four Thumbscrews from the sides of the pedal and pull the housing apart. Replace battery, put housing back together and re-tighten all four screws. Unplug guitar cable from INPUT when not in use to prolong battery life but If you have an adapter plugged in to the DC outlet of the OCD there is no need to unplug the guitar cable from the INPUT because our DC outlet is True-Bypass and disconnects the battery supply line, thus keeping the battery fresh.

You'll be amazed at the sonic differences using 18VDC, it's cleaner, louder, and more dynamic. For standard 9 volt operation, the Fulltone IPS-9 is a great 9VDC regulated wall wart adapter (for all countries) For 18VDC, make sure that you buy a regulated adapter like the Fulltone IPS-18. (for use in all countries)

**Warranty:** User assumes all risks and liability, and is responsible for any injuries and/or damages related to the use of this product. Fulltone products carry a Limited 5 year Warranty (to the original owner, non-transferable) with proof of purchase 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 a modification or repair is attempted by anyone other than Fulltone and/or if we deem that any operator-caused abuse or damage has occurred. If you are having a technical issue please do not call your store. Instead, go to [www.fulltone.com/contact/fulltone-repair-process](http://www.fulltone.com/contact/fulltone-repair-process).

**FULLTONE USA, INC,**

110 Sports Parkway, Keller, TX 76248

For more info and expanded information & videos go to [www.FulltoneUSA.com](http://www.FulltoneUSA.com)

