

Congratulations on your purchase of the



Model CS-WF

Around 1999 Robin Trower called and asked me if I would make him a pedal that achieved a "parked wah" sound, which is usually created by turning on a wah wah and finding that special spot where the Midrange is singing with feedback...a technique made famous by Michael Schenker and Jimmy Page. I said I would call it a WahFull, made one for him, and never thought about it again until years later when I started getting multiple emails per day asking if I was going to ever release it. Recently I made a second one for Joe Satriani, and then sat down and added some very useful features and soon released the Fulltone Custom Shop **WahFull**.

*Small footprint, only 4" x 4.5" with top-mounted jacks to easily integrate into the busiest pedalboard.

*Rotary switch to access 3 classic wah circuits: **Wacked**, **Jimi**, and **Shaft**.

*Expression pedal control jack: connect to any expression pedal for traditional wah wah operation. Unique to our expression circuit is that you can use any expression pedal having any potentiometer value from 10K-500K.

*Fulltone's exclusive **Enhanced Bypass™** with no "pop" while switching, and bypassed-tone so rich you will never again ask for true-bypass nor will you accept the tone loss that traditional buffered-bypass (as well as most true-bypass pedals) impart. And finally the ability to drive long runs of cable with no tone loss. The WahFull is the first pedal by anyone ever to offer Enhanced Bypass™.

*JFET buffer on the circuit's input offering an astounding 2.2 mega-ohm impedance for complete isolation from preceding pedals and flawless integration with any type of guitar pickups.

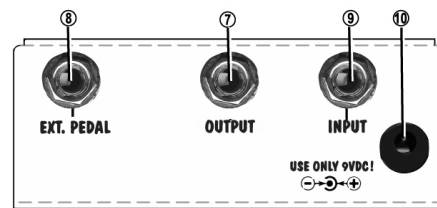
*JFET buffered output offering 10K ohms impedance for complete isolation from pedals following in the effects chain, and for perfect Wah operation even while playing with high-gain amplifiers.

The WahFull is not merely a parked-wah effect, it acts as an amp simulator allowing you to drastically alter your sound for greater variety of tones and to cut through the mix during live and recorded sessions.

Play on!

A handwritten signature in black ink that reads "Michael Fuller".

Michael Fuller / Designer & President / Fulltone



Specifications

Input Impedance: 2.2 Megaohm
 Output Impedance (pedal ON)= @50k ohms
 Output Impedance (pedal OFF)=10K ohms
 Current draw= 20ma.
 Weight= 1.45 lbs
 Dimensions= 4.48"W x 4.25"D x 2.68" H

On/Off Footswitch (see #1 above) this pedal employs **Enhanced Bypass™**, which is a Fulltone innovation. Standard input buffers sound fairly good but suffer from having a low impedance input (around 300K). Ideally you want the highest input impedance you can get (1 megaohm or higher) and the lowest Output-Impedance you can get (lower than 50K). Also, standard JFET buffered-bypass pedals all cut the gain by around 0.5dB (mostly in the low-Mids & Bass frequencies) and they kill all of the dynamics of the signal, something we have documented through extensive testing conducted by an Electronic Engineer using top-quality test equipment. Fulltone's **Enhanced Bypass™** gives the WahFull a 2.2 megaohm input impedance and a 10K output impedance, **even when the pedal is turned off**, guaranteeing great sound, complete isolation from other effects, and the ability to drive your entire pedalboard chain and its cables without any tone or signal loss whatsoever! This pedal uses the finest footswitch made, the Fulltone 3PDT.

Pickup Compensator knob (#2): allows the signal hitting the inductor to be reduced to compensate (by turning Counter Clockwise) for hotter pickups, but it also allows you to increase the signal for weaker pickups (by turning Clockwise) or just to overdrive the inductor for effect if you so desire.

Frequency Knob (#3): sets the frequency to be amplified. Use your foot on this large knob to change settings on-the-fly!. Turn CW to access higher frequencies and turn CCW to access lower frequencies.

Mode Switch(#4): allows you to choose between 3 different of wah circuits. **Wacked** is similar to the vintage Colorsound Wah, **Jimi** is identical to the vintage Vox Clyde McCoy wah, and **Shaft** is like an early 70's Chicago CryBaby wah.

Status LED (#5): This bright L.E.D. (light emitting diode) will be lit only when the effect is turned ON. The LED is not lit when the pedal is turned OFF.

Volume Knob (#6): adjusts the loudness of the effect ONLY when the pedal is in the ON position. You will find that "unity" is around 12 o'clock, and there is around 10dB of additional gain available. **Warning:** Be careful not to damage your hearing by boosting certain frequencies while your amp is set loud.

Output Jack(#7): connect a cable from this to the amp or to additional effects in your chain.

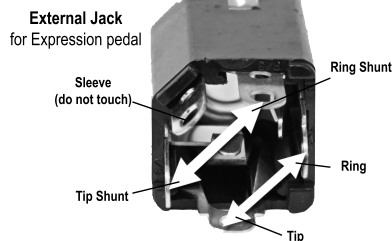
Input Jack (#9): plug a 1/4" mono shielded cable from your guitar into this, or one coming from the "out" of another effect.

External Pedal Jack (#8): connect an Expression pedal to the Ext. jack using a TRS "stereo" 1/4" cable and you'll turn the WahFull into a ferocious wah wah with a very linear pedal actuation. Although our proprietary "Exp" circuit can work with virtually any expression pedal available, careful adjustment is required of the range knob on your expression pedal for best results. To adjust the Expression pedal for maximum range, rock the treadle back to full-Bass position (heel position) and adjust the expression pedal's "trimmer knob" to where you hear maximum Bass frequencies. Expression pedals often have a "polarity switch" giving an option between "Normal" to "Inverted" wiring. If you hear a strange white-noise while using a Exp pedal with your WahFull or if the sweep is not wide, experiment with the polarity switch setting on your Expression pedal.


Warning! WahFulls with a serial# 628 and lower are wired "Inverted" so always use the "Inverted" or "other" setting on Exp pedals.
 WahFulls with serial# 629 and higher are wired "Normal" so always use the "Normal" setting on Exp pedals

If you have a favorite Exp pedal that *does not have a Polarity switch*, you can change the polarity at the Ext Jack inside your WahFull, grab a soldering iron and do the following:

- 1) unplug WahFull from power, open it up.
- 2) find expression jack, unsolder Tip Shunt & Ring shunt wires.
- 3) swap those wires as per the arrows on diagram to the right.
- 4) resolder those wires.
- 5) unsolder Tip & Ring wires
- 6) swap Tip & Ring wires as per the diagram.
- 7) resolder connections, **you're done!**



Battery access: to access the battery, remove the 2 thumbscrews on the left and right sides of the pedal and pull the housing apart. Replace the 9 volt battery, put the housing back together, and re-install the thumbscrews, only making them finger-tight.

DC Power jack (#10): Warning! Do not use any voltage other than 9VDC. You may also use any "regulated" 9VDC supply offering at least 100ma. of current and having the standard 2.1mm x 5.5mm barrel connector configured Center-Negative. The symbol for "Center Negative" is the following: . If you use a pedalboard Power supply, make sure to use one that is regulated and has isolated outputs. Using a cheap non-regulated power supply will result in noise. Avoid all "switching type" power supplies except for the Fulltone IPS-9, which is the only quiet 9 volt adapter suitable for use in all countries. Lastly, avoid "daisy-chaining" multiple pedals on one power adapter as you are asking for noise problems and allowing one pedal's issues to be transmitted to all other pedals!

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.

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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.

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For more info and expanded information & videos go to www.FulltoneUSA.com

