

Using Expression Pedals with Fulltone Products

Early **Wahfull** pedals (serial #619 and lower) and early **CS-MDV-1s** (serial#960 and lower) are configured "Ring to Pot-Wiper." All newer (higher serial numbered units for both) models are wired "Tip to Pot-Wiper." You should **only buy an Expression pedal that has a "Polarity Switch"** so that you can accommodate all effects that offer Expression-pedal outputs.

Recommended and tested Exp Pedal models:

Moog ACCEP003 EP3: Buy it for \$40 [here](#). Polarity switch set to "Standard" achieves "Tip to Pot-Wiper."

M-Audio EX-P: Buy it for \$23 [here](#). Polarity switch set to "MAudio" achieves "Tip to Pot-Wiper."

Setting Exp Pedal for use with a WahFull:

Adjustment is required of the small "range knob" that should be on your Exp Pedal for best results. To adjust the Exp 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 Expression pedal with your WahFull or if the sweep is not wide, change the polarity switch setting on your Expression pedal.

Setting Exp Pedal for use with a CS-MDV-1 or CS-MDV mkII:

Rock the Exp Pedal back to full-heel position.

Find the "range knob" on your Exp pedal and turn it until the LED pulses at the absolute slowest rate.

Then carefully turn the range knob until you just start to see the rate just start to go faster, then turn it back ever-so-slightly towards the opposite (slower) the direction.

You now have achieved the widest range of rates or "speed."

Rewiring your Fulltone pedal to reverse the Exp Pedal jack polarity:

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

- 1) Unplug Fulltone pedal from power, open it up.
- 2) Find the expression jack, unsolder Tip Shunt & Ring shunt wires.
- 3) Swap those wires as per the arrows on diagram to the right.
- 4) Solder those wires.
- 5) Unsolder Tip & Ring wires
- 6) Swap Tip & Ring wires as per the diagram.
- 7) Solder connections, **you're done!**

