

Congratulations on your purchase of the *Fulltone*®

Supa-Trem®

Model ST-1



Fulltone Supa-Trem Model ST-1, the finest amp-style Tremolo pedal you can buy since 1996.

For years people had been turning the ST-1's **MIX knob** down all the way, opening the pedal, and turning up its internal volume control to maximum, and using the Supa-Trem as a very subtle clean boost. Then I put a low-profile **VOLUME knob** on the outside of the pedal, and increased its **available gain to around 15dB**...allowing the ST-1 to pull double duty as a stellar clean boost. One reason the Supa-Trem sounds so good is that it uses a wonderful JFET amp at the heart of its circuit, giving you a warm yet clear tone when your pedal is turned on.

The ST-1 also employs a custom-designed Fulltone Opto-1 photocell with an extremely fast recovery time which no other manufacturer can match. This makes it behave just like an old 1960's American tube-amp, but without the annoying ticking sounds that plague amps and other tremolo pedals. The Supa-Trem is the most versatile tremolo on the market, sporting **True-Bypass** with **Green ON/OFF L.E.D.** and a **Red RATE L.E.D.** showing your speed at all times (even when pedal is OFF) so you can drop right into the song at the correct tempo.

With the ST-1's large **RATE** and **MIX knobs** you can fine-tune on-the-fly *with your foot*. The **SPEED footswitch** correctly halves or doubles your tempo so you stay rhythmically-correct with the tempo of the song you're playing! Finally, there's a **HARD/SOFT footswitch** for choosing between **SOFT MODE** (a rollicking sine-wave) or **HARD MODE**, which is more of a square-wave machine-gun stutter. There's an **internal trimmer** to fine-tune the current reaching the Photocell to change feel of the waveform, although we recommend leaving it where we set it so you have the ability to turn down the MIX control and not hear any tremolo when using as a clean boost.

If you like organic Tremolo tones there's nothing that approaches the Fulltone Supa-Trem ST-1, may it serve you for years and become a part of your sound. That would make me extremely happy. Regards,

Michael Fuller / President

BYPASS footswitch: The Fulltone-made **3PDT** footswitch is the toughest switch you can get. The Supa-Trem is turned ON when the green L.E.D. (light emitting diode) is lit up.

VOLUME mini-knob: This small knob only works when pedal is turned ON. When this knob is turned Full Counter Clockwise (CCW) you should be at "unity gain," meaning your level should be about the same as when the pedal is turned OFF, depending on settings.

RATE knob: This large knob controls the speed of the effect when pedal is ON. You may use either your fingers or your feet to adjust this knob, making changes during a song a breeze!


RATE L.E.D. : This red L.E.D. always flashes in sync with the RATE setting, *even when the pedal is turned off!* This allows you to pre-set the desired tempo before you turn the pedal on, making it easy to drop in on a song without sounding out of sync with the song's rhythm.

SPEED footswitch: Stepping on this will get you either half or double whatever your current speed (**RATE**) is. It's a great way to add drama without getting out of sync with the song's tempo...sort of what an organ player does with his leslie spinning speaker cabinet.

MIX knob: This large knob makes the tremolo effect stronger as it is turned CW, and more subtle as it is turned CCW. You may also use your foot to adjust this knob.

HARD/SOFT footswitch: Allows you to go from normal tremolo to super-choppy square-wave tremolo on the fly.

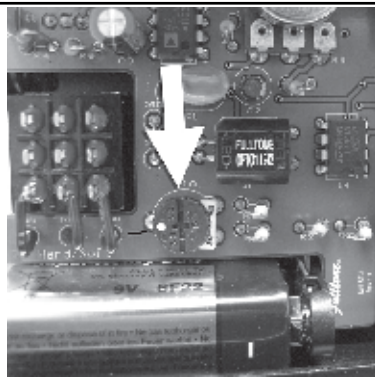
Cool Trick! Turn **MIX** full CCW, make sure the **HARD/SOFT** switch is set to **SOFT**, and your pedal becomes an amazing Clean Boost device when you turn it on...simply set the **VOLUME** knob to how ever much kick you want. NOW, if you want to add tremolo, simply step on the **HARD/SOFT** footswitch and you'll have a normal sounding sine-wave tremolo.

DC Power Options: You may **ONLY** run this pedal on the 9 volt battery (included) or on any 9Volt DC power supply as it's a standard 2.1mm x 5.5mm barrel plug with "Negative to Center Pin" configuration. (as illustrated by the following diagram)  To access the battery, unscrew the two thumbscrews (located on the left and right sides of the pedal) and pull the housing apart. Replace battery, put housing back together and re-install thumbscrews. **Note:** You may also use any 6/32 thread screw with a length between 3/16" and a maximum of 3/8". Unplug the guitar cable from INPUT when not in use to prolong battery life but if you have an adapter plugged in to the DC outlet 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. The Fulltone FPS-1 is a great 9VDC regulated wall wart adapter.

PHOTOCELL TRIMMER:

There is a trimmer inside the pedal that we carefully set to get the optimal sound and feel from this tremolo device. **There's no need for you to touch this trimmer!** If it is turned CW the current to the photocell's LED is increased, which can intensify the tremolo effect up to a point.

Turning this trimmer CCW will decrease the tremolo effect. We mark the "factory setting" with a line or dot on the PCB, in case you adjust it and then want to return to the stock setting.



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 tech@fulltone.com 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.

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