

SONDER CHORUS-TREMOLO

The Sonder Chorus-Tremolo is a 100% true analog pedal. It is not analog “voiced”, “emulated”, or “simulated”. Both sides of the pedal are pure analog circuits done the old fashioned way, so to speak.

Features of your new pedal...

Tremolo Effect:

Tap tempo or manual adjustment rate for the TREMOLO side:

You do not need to do anything to toggle between the foot-switch tapping to set the tempo vs the RATE knob setting the tempo. Start tapping, and the tap mode will take over, turn the knob, and the rate knob takes over automatically. No other switching necessary.

Please note. If you hit the tap tempo one time, the pedal will wait **three seconds** for the next tap. If no second tap is detected, then the pedal will remain at the same tempo it was before the tap. This helps protect against accidental taps throwing everything off.

Ex. If you accidentally hit the switch, the tempo will continue at the same rate. Just do nothing, wait three seconds, the LED will come back on, and all will be the same!

Smooth or choppy?

The Sonder has the ability to make your vibrato smooth and warm like a vintage amp with built-in tremolo, or a hard choppy tremolo for more extreme tones. In electronics speak, the smooth setting renders your tremolo as a “sine” wave, the choppy setting as a “square” wave.

Well how do I toggle between the two, and how do I know which one I'm using???

Very easy my friend. Simply hold your foot down on the tempo foot-switch. You'll see the blinking LED turn from **BLUE** (smooth sine wave, the default setting), to **RED** to indicate you are now in square wave mode. Pretty slick, huh!?

A note about this. Analog tremolo can be noisy. Even the best design and best components will have some beating (da, da, da, da, da, da, da, da) when the depth is cranked up, especially with the square wave setting on. This is totally normal, and there is nothing wrong with your pedal. As we all know, analog isn't perfect, but to most people the lush tones are worth it.

Want to have some fun? Set the trem to almost max, get things nice n' choppy, and lock in the tap-tempo with your drummer.

Chorus Effect:

This is where you'll find that deep, warm, swirling effect that pure analog chorus pedals are known for. Whether used as a subtle tone texture, or a dripping Leslie speaker emulation, this effect will be at the heart of it. Mix the trem into the mix, and you can truly cop a realistic Leslie speaker sound, without having to lug around the big box.

The Chorus Effect does not interact with the tap-tempo, it's rate/speed can only be set manually via the RATE knob. Why not have it match up with the tremolo TAP tempo? Because when the two effects rates are lined up perfectly, you don't really hear any chorus effect. Weird, uh?

You will find the most useful and beautiful tones from the Sonder when starting with opposites. Fast trem rate? Then start with a slow chorus rate and vice-versa. Of course there are no rules to effects, and you can set the knobs however you'd like, but we recommend setting opposites as a starting point, then tweaking from there.

Bypassing one effect or the other...

In order to fully bypass one effect, simply turn the depth knob counter-clockwise. The Sonder was designed so that when the depth (amount of effected signal vs. dry) is turned all the way down, you get a completely unaffected signal. Unlike most modulation effects, where turning the effect all the way down results in a still slightly effected signal, the sonder will be completely dry via a FET-buffered signal.

AHHH! Does this mean my pedal is not true bypass!!!!? No. When the whole pedal is bypassed, your signal is true-bypass. The buffered signal only applies to wet/dry when the pedal is engaged.

Volume:

Probably the simplest but best modification to many pedals from the past. Use the Sonder to add its effects AND give your signal a boost when you stomp! Nothing worse than hitting a pedal for a nice lead or chorus, and getting a drop-out in your signal volume. Another bonus, turn booth effects to zero, and get a straight up clean-boost. The volume applies to both effects.

The idea of the Sonder was to get the most use out of the fewest knobs and switches. We hope you will feel that we have achieved that goal.

Power:

Uses a 2.1mm neg-tip power adapter (typical power supply for effects pedals), 9V DC 100mA min.

Although a 9V battery can be used, a power supply is highly recommended. The Sonder needs a significant amount of juice to make it do its thing, and your battery will not last very long.



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