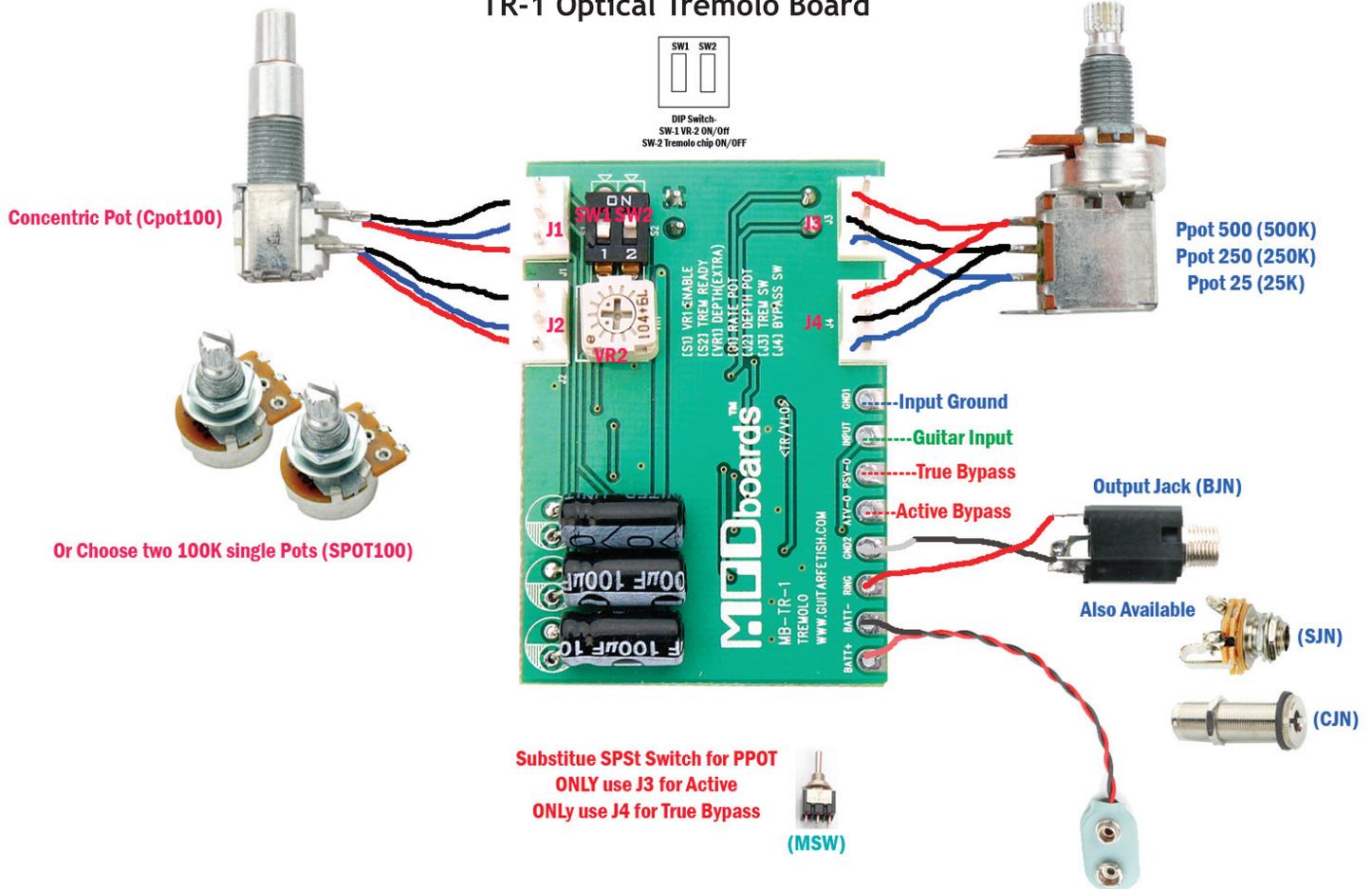


MIDboards™

TR-1 Optical Tremolo Board



The TR-1 brings true Optical Tremolo right to your fingertips.

The TR-1 circuit allows for total real-time control of both Tremolo Speed and tremolo Depth. The Board has positions for both-

J1- Tremolo Speed

J2- Tremolo Depth

You can use either a single concentric pot- PPOT-100, or a pair of single pots, SPOT-100s. You may also set up the TR-1 to be a single-knob effect by turning the Dip switch S1 "ON" and pre-setting the depth using the VR2 Trim Pot on the board. This allows for one knob speed control, with the depth pre-fixed.

You must use a switch to turn the board on and off. You can use a push-pull knob in either a tone or volume position on your guitar- by selecting the correct impedance PPOT. Just plug the cables in and you're all set. If you would rather use a min switch and leave your knobs alone- choose the MSW. For Passive plug into the J4 jumper- For Active use the J3 jumper.

A nice trick to use with the TR-1 is to preset the speed of the effect and dial the depth down really low- as you hit chords you can swell the tremolo effect as the chord dies out- It's very cool and effective, and doesn't make the chord and individual notes sound out of tune as you pick them.

Buffered Output- Soldering the output jack to the Buffered Output mode means that the Op-Amp is always on- giving your guitar clean unity gain when the switch is OFF. This is an excellent choice since your guitar is now Low Impedance- cleaner signal, drives effects better, no capacitance buildup with long cable runs. The only downside is your guitar MUST have a working 9 volt battery to operate.

True Bypass- In this mode when the switch is off the guitar is 100% PASSIVE- no battery needed. This extends battery life and gives you the true unaffected sound of your guitar. The only downside is a slight pop when the circuit is engaged.