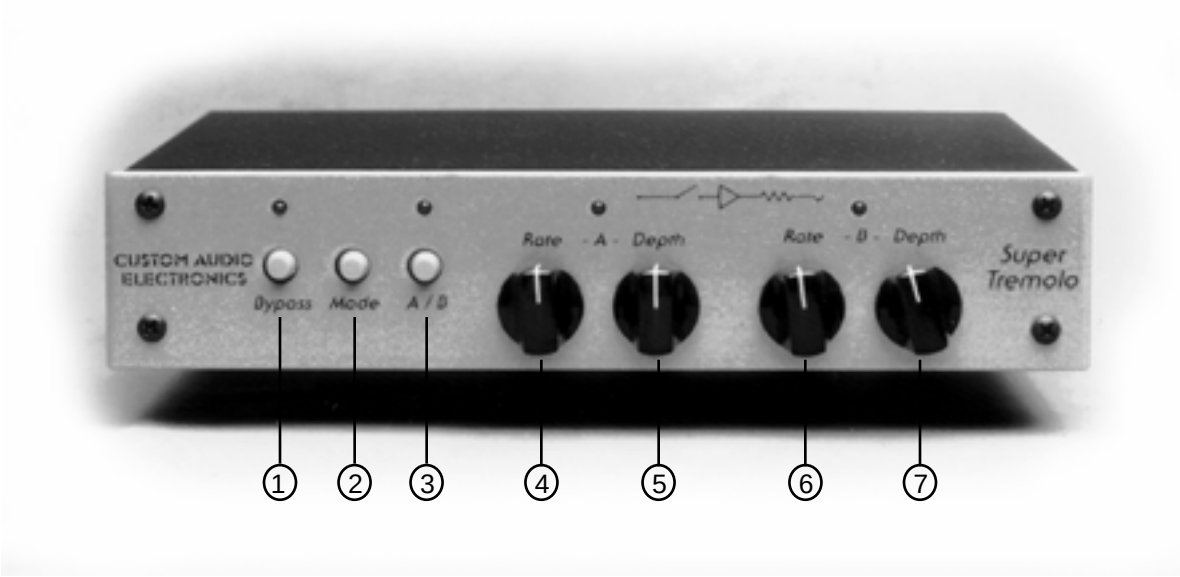
CUSTOM AUDIO ELECTRONICS INC.

SUPER TREMOLO



DESCRIPTION OF CONTROLS AND CONNECTIONS

Front Panel (Left to right)

1. **Bypass Switch**. Pressing this switch “in” bypasses the unit. Signal present at the input jack appears at the direct output jack as well as both Tremolo outputs. These are all low impedance unbalanced outputs (100) capable of driving a wide variety of loads, from guitar amps to mixing consoles. The LED above the switch, when lit, indicates that the Tremolo effect is “on”. When using the rear panel remote bypass function, the LED remains lit regardless of whether the effect is “on” or “off” (bypassed).
   Switch out = Tremolo “in”
   Switch in = Tremolo “bypassed”

2. **Mode Switch**. Pressing this switch “in” changes the Tremolo from triangle wave to square wave modulated output. In this mode, the Tremolo A and B depth controls have no function.
   Switch out = Tremolo mode
   Switch in - Auto mute mode

3. **Tremolo A/B Switch**. Pressing this switch “in” changes the Tremolo rate and depth controls from A to B.
   Switch out = Tremolo A controls are active
   Switch in = Tremolo B controls are active
   The LED above the switch flashes to indicate the rate of the currently active Tremolo (A or B).

4. **Rate A control**. This control varies the rate (speed) of Tremolo A when active.

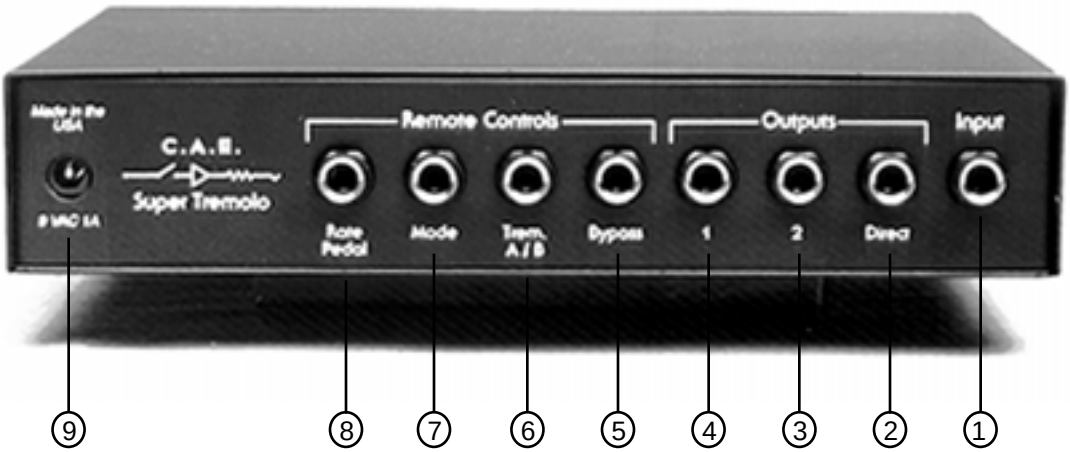
5. **Depth A control**. This control varies the amount of Tremolo effect. The Super Tremolo has been level compensated to assure unity gain when the effect is “in”. Therefore, a slight level boost will occur when depth A or B is set to minimum (counter clockwise) and the effect is selected.

6. **Rate B control**. Same as Rate A when Tremolo A/B switch is pressed “in” or when rear panel remote control is used.

7. **Rate B depth**. Same as Depth A when Tremolo A/B switch is pressed “in” or when rear panel remote control is used.

See Page 2 for rear panel description

10648 Magnolia Blvd. North Hollywood, CA. 91601 Phone (818) 763-8898 Fax (818) 763-8890



DESCRIPTION OF CONTROLS AND CONNECTIONS (continued)

Rear Panel (Right to left)

1. **Input Jack**. This 1/4" mono phone jack accepts either instrument or line level signals. Input impedance is 500K unbalanced. The Super Tremolo is a unity gain device.

2. **Direct output**. This 1/4" mono phone jack outputs a low impedance (100) unbalanced version of whatever appears at the input jack. Useful for driving a tuner or splitting to an unaffected amp.

3. **Tremolo output 2**. This 1/4" mono phone jack outputs a low impedance (100) unbalanced amplitude modulated signal when the Tremolo effect is engaged. This output is 180 out of phase with the input (and the direct out) in any mode.

4. **Tremolo output 1**. This 1/4" mono phone jack is the same as output 2.

5. **Remote bypass**. This 1/4" phone jack requires a normally open latching (push on-push off) footswitch function. Shorting tip to sleeve engages the Tremolo effect. Inserting a 1/4" mono phone plug overrides front panel bypass switch, and "effect" LED remains lit.

6. **Trem A/B**. This 1/4" mono phone jack requires a normally open latching (push on - push off) footswitch function. Shorting tip to sleeve switches from Tremolo A rate and depth controls to Tremolo B rate and depth controls. Inserting a 1/4" mono phone plug overrides front panel Tremolo A/B switch.

7. **Mode**. This 1/4" phone jack requires a normally open latching (push on-push off) footswitch function. Shorting tip to sleeve changes the unit from Tremolo mode to auto mute mode. Inserting a 1/4" mono phone plug overrides front panel mode switch.

8. **Rate pedal**. This 1/4" phone jack requires a variable resistance from tip to sleeve to change Tremolo rate (speed). Plugging the output of a passive volume pedal will vary the Tremolo speed. A low impedance passive volume pedal such as the Boss FV300L is recommended. When using the remote rate function, the front panel A or B rate control acts as a maximum range setting for whichever Tremolo is selected. For maximum remote sweep range, set both rate controls all the way up (clockwise).

9. **9VAC 1A** - AC power jack. 2.5mm barrel connector. The Super Tremolo requires 9VAC 500ma minimum. For best results, use the supplied 9VAC adapter.