



CUSACK-MUSIC
MFD. IN HOLLAND, MICH. USA


TWIRL


TREMOLO


The Cusack Twirl is our Never-Off Tremolo. It has the same great audio path as the Tap-A-Whirl, without some of the options. Meant to be used with a switching system, such as our PBT, it has no bypass circuit or battery.


 **Rate** - Controls the Speed of the tremolo effect. Turning this knob will over-ride the current tempo. Tapping a tempo with RCA jack will override the Rate Knob.


 **Depth** - Controls the depth of the tremolo effect. Left is no effect, and right is full effect. Above about noon the waveform (Not the audio) will start clipping, and become asymmetrical.

 **Level** - Controls the output level of the Left output. Around noon is unity gain, higher will give you a bit of boost.

 **Wave Switch**- Selects one of 3 waveforms; Sine (left), SquareRamp (middle), and Square (right).


 **Tap Tempo Input** - RCA jack on the back of the pedal. The Twirl is expecting a normally open, momentary switch closure between the tip and sleeve of this jack. Connect it to the Tap Out jack of the PBT, or any of the numerous tap switches available.

 **IN** - This is the input to the pedal. Plug your guitar into it, or the Send jack of your switcher.

 **OUT**- This is the output of the pedal. This one has the arrow by it. This goes to the input of your amp, or the Return of your switcher.

 **Power LED (Red)** - Shows that there is power to the pedal.

 **Tempo LED (Blue)** - Gives a visual view of the tempo and waveform.

 **DC Power Jack** - Used to power the pedal. This has the same pin-out as most standard pedal supplies: tip is ground, sleeve 9V.

Power Consumption - ~10mA.

