



Tap-A-Whirl

Knobs, Switches, Jacks, Etc.



Wave - controls the waveforms. There are 8 waveforms in each of 3 banks, selected using the Bank Switch.



Bank Switch – Selects between banks A, B, and C. Used in conjunction with the Wave knob to select 24 different waveforms.



Depth - controls the depth of the tremolo effect. Left is no effect, and right is full effect.



Rate - controls the Speed of the tremolo effect. Turning this knob will over-ride the current tempo, and adjust to where it is set. While adjusting the tempo with the Rate knob, the Tap-Divide does not operate. Tapping a tempo with the footswitch will override the Rate Knob, and resume using the Tap-Divide.



Level - controls the output level of the Left output. There is also an internal volume for the Right output, when used in Stereo Mode.



Option Knob – function depends on what else is going on. Read each description to see how to access each function.

Tap Divide - controls how your tap will be divided. Positions are from counter clockwise, ¼, ½, 1, 2, 3, 4, 5, 6 The Option Knob will adjust Tap Divide whenever the pedal is engaged, and you are NOT holding the Tap Switch down.

Fade-In - All the way down the pedal turns on right away, all the way up it takes about 4 seconds for the wave to take full effect. The Option Knob adjusts this setting while you are in Bypass. To adjust, put the pedal in Bypass, set the knob to where you want it, then Engage the pedal.

Brake Speed - Controls how fast the tempo will change when you hold the Tap switch. All the way counter clockwise is the slowest. The Option Knob adjusts this setting whenever the Tap Switch is being held down for more than ½ second (you are using the Brake Function).



Mode Switch – There are two modes: Preset and Live. If you are in Pre-Set mode changing the waveform will load the saved parameters for that waveform. If you are in Live mode, all current settings will apply to ALL waveforms. While in Preset Mode, any changes made are temporary. They will revert back to the saved settings if you change the waveform.



Status LED (Red/Green) - When the effect is bypassed the LED is off. When the effect is Engaged the LED is RED. When the battery is going dead the light will blink, GREEN if bypassed, RED if on.



Tempo LED (Blue) - This LED gives you a visual view of the tempo, and waveform.



Tap Speed - Tap twice to set the tempo. It's also a modified "brake" control. If you hold it down, the Tempo slows down. If you let go and hold it again it will speed up. Every time you hold and release, it changes direction. Wherever you let go, it will stay at that tempo. It defaults to Slowing Down whenever you Engage the effect.



Bypass - Kick the switch to change from Bypass to Engaged.



IN - This is the input to the pedal. This jack disconnects power, so unplug when not in use.



STEREO output! – The Output jack is a Stereo output. The Right output is a modified inversion of the left channel. Make sure to set the jumper to Stereo for correct operation in bypass. While in Mono, the Right output is active while the pedal is on, but muted while the pedal is off. In Stereo mode, both outputs are True Bypassed.



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

Internal Right Volume – There is an internal Volume control so you can adjust the Right output to match your set-up.

External Tap – There is an RCA External Tap jack on the back of the pedal. This can be used as either a Tap IN, or Tap OUT. If you connect a cable from the RCA jack to another pedal's Tap input, you can use the internal switch on the Tap-A-Whirl to tap both at the same time. You can also plug an external momentary switch IN to this jack to set the tempo remotely.

Operation

Adjusting Settings - To put it simply, whenever you are using the Brake Function, the Option Knob will control the Brake Speed. Whenever you are Engaged the Option Knob will adjust your Tap Divide. Whenever you are in Bypass, the Option Knob will adjust Fade-In

Saving Settings - The Fade-in, Brake Speed, Tap Divide and Tempo are all programmable for each waveform independently. Once you have the settings for a given waveform simply push BOTH footswitches as the same time to save those settings. The Status LED will blink to tell you they are saved. Save the settings before changing waveforms or you will lose any changes.



Tap-A-Whirl

Waveform Diagrams

