

# WHITE WHALE



Why do you have to struggle for a digital emulation of two classic effects when you can have **the real thing!** That's what we asked ourselves when capturing the concept of **White Whale**. It features a **real 3-spring reverb tank** along with controls for dwell, mix, and tone to provide the lushest analog spring reverb you'll ever find in a pedal of its size to experience the ultimate ride of a wave. Combined with its two selectable modes of an **all analog tremolo**, the White Whale is all you'll ever need to deliver old-school surf tones.

## Notes - Precautions:

- True bypass via a high quality relay , built with the highest quality components available, operates with external 9V DC regulated power supply (- center, + ring). White Whale features a real power amp driving the spring reverb tank. Current consumption depends on input signal: idle current consumption 64 mA @ 9V DC, max current consumption at line level: 130mA @ 9V DC. Using a power supply of +12V DC or more may cause severe damage to the pedal and void warranty.
- This pedal features a real spring reverb tank with input and output transducer. Try to keep the pedal away from strong magnetic fields like power transformers, power supplies, etc.
- The reverb tank is attached to the bottom plate of the pedal. **Do not unscrew the 2 tiny screws located near the center of the bottom plate.** Open the bottom plate through the 6 side screws with extreme caution not to bend or cut the wires connecting the spring reverb tank to the circuit board.

## Controls:

**Dwell:** controls the strength of the signal that is going into the spring tank. Affects tonal quality and decay of reverb.

**Tone:** controls presence/brightness of reverb.

**Mix:** blends the amount of wet (reverb) signal into dry.

**Speed:** set the rate of tremolo effect.

**Depth:** set the intensity of tremolo effect.

**Volume:** set the master volume of the pedal. Set to match bypassed level or max it up for a nice clean boost.

**Black/brown toggle switch:** select the type of tremolo. Brown mode resembles power tube bias shifting type of tremolo normally found in brownface amps while black mode resembles the signal shunting tremolo found in blackface amps.

**II/III toggle switch:** Select between different reverb voicings. II mode is brighter with less mids and slightly less decay. Mode III is full tilt reverb.

**Reverb Footswitch:** Engage reverb effect or true bypass when tremolo is not engaged.

**Tremolo Footswitch:** Engage tremolo effect or true bypass when reverb is not engaged.





### Expression controls - Internal assign switches & controls:

Tremolo waveform/depth trimmer: This control affects the waveform and overall depth of the tremolo effect. Locate the hole on the left side of the CTC logo on the top (jacks) board and use a tiny screddriver to adjust to taste.

**Reverb xp:** Open the bottom plate with caution not bend or cut the wires connecting to the spring reverb tank and find the mini toggle switch located below reverb xp jack. Use a small flat screwdriver to:

- Set in FX SW position in order to use remote switching units to engage or bypass reverb and tremolo effect. You will need a stereo cable in order to control both effects.
- Set in REV XP position to control reverb mix. Plug a TRS expression pedal with up to 100k potentiometer resistance. The pedal's mix control now sets the upper and lower limits of the expression pedal.

**Tremolo xp:** Open the bottom plate with caution not bend or cut the wires connecting to the spring reverb tank and find the mini toggle switch located below tremolo xp jack. Use a small flat screwdriver to:

- Set in TREM XP position to control tremolo speed. Plug a TRS expression pedal with up to 100k potentiometer resistance. The pedal's speed control now sets the upper and lower limits of the expression pedal.
- Set in TAP position in order to remotely control the speed of tremolo effect. Use a mono cable connected to an external tap switch.

**Warranty: White Whale** comes with 5 years warranty. We will provide service/repair at no cost for all internal parts, within 5 years from date of manufacture - buyer pays from/to shipping. **This warranty excludes damages done to the spring reverb tank due to misuse or improper handling.**

Contact info:

[info@crazytubecircuits.com](mailto:info@crazytubecircuits.com)

Visit our website:

[www.crazytubecircuits.com](http://www.crazytubecircuits.com)