



HENRETTA

engineering

TRUSTED QUALITY SOUND

ORANGE WHIP COMPRESSOR

The Orange Whip is a compression stomp-box for electric guitar.

OPERATION

The Orange Whip compressor is based on the legendary Dan Armstrong Orange Squeezer circuit with some upgrades to make it a usable pedal for the modern gigging musician. It's housed in a tiny 2"x2" enclosure that's sure to squeeze onto any pedal board. This circuit is known for its subtle yet present compression effect. Clean chords have more body. Solos have more presence, and your guitar's volume knob becomes a more effective "clean to mean" control when running into an overdriven amplifier.

Step on the footswitch to turn the pedal on and off. The LED lights up to indicate that the compression circuit is active. The powered circuit is completely removed (true bypass) from your signal chain when the pedal is off.

Internal Controls

COMPRESSION – *multi-turn trimmer near top left of circuit board when foot switch is down and LED is up.* This is actually a bias control with a relatively small window of usable sounds (about 1 full turn of the little gold screw). It has been factory set for optimum performance with typical pickups. Turn the screw clockwise to get more squash, and turn it counter-clockwise to get more attack. Going too far clockwise will introduce noise and a step-up in the decay of your notes or chords. Going too far counter-clockwise will drop the output volume.

OUTPUT VOLUME – *trimpot near top right of circuit board when foot switch is down and LED is up.* This control has been factory set for unity gain with the guitar volume all the way up. There is enough headroom to allow a noticeable signal boost when the effect is active.

SPECIFICATIONS

Configuration: As you look down at the Orange Whip, the LED is near the top, and the on/off footswitch is near the bottom. The input jack is on the right side, the output jack is on the left side, and the power jack is on the left side.

Power: You can only power the Orange Whip with an external power supply (9 VDC) with the commonly used center-negative barrel connector. The maximum current draw is 50mA.

Circuit: The Orange Whip circuit uses a TL072 dual op amp. This component is positioned in a socket to allow swapping with other op amps for sonic experimentation. Be sure to only swap with op amps that have the same pin configuration as the TL072. If you have questions about acceptable replacement op amps, please contact Henretta Engineering.