SAINT PAUL MINNESOTA

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TRUSTED QUALITY SOUND

GREEN ZAPPER
AUTO FILTER

The Green Zapper is an attack sensitive auto EQ filter stomp-box for electric guitar.

OPERATION

The Green Zapper is a warm and musical auto filter pedal that will add movement and dynamics to your sounds. The pedal uses a band-pass filter that sweeps through a frequency range as you play. The initial attack of your playing pushes the filter up into high frequencies, and then it sweeps back down to low frequencies as the notes decay. The harder you play, the higher the frequencies go before coming back down. The effect is like a wah-wah pedal that tracks your playing dynamics.

The Green Zapper is housed in a tiny 2" x 2" enclosure that's sure to squeeze onto any pedal board. Step on the footswitch to turn the pedal on and off. The LED lights up to indicate that the circuit is active. The powered circuit is completely removed (true bypass) from you signal chain when the pedal is off.

Internal Controls

RANGE – *trimpot near top of circuit board when foot switch is down and LED is up*. This control sets the width of the frequency range that the circuit sweeps.

SENSITIVITY – *trimpot near lower right of circuit board when foot switch is down and LED is up*. This control determines how sensitive the effect is to your playing dynamics and has been factory set for optimum performance with typical passive single coil pickups. Higher output single coils and humbuckers will require a lower setting to avoid fizziness at the top end of the sweep.

SPECIFICATIONS

Configuration: As you look down at the front of Green Zapper, 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 Green Zapper with an external power supply (9 VDC) with the commonly used center-negative barrel connector. The maximum current draw is 10mA.

Circuit: The Green Zapper 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.

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