SAINT PAUL MINNESOTA

HENRETTA
engineering
TRUSTED QUALITY SOUND

TONE XCITER
BANDPASS FILTER

The Tone Xciter is a “cocked-wah” style band pass filter effe ct.

OPERATION

The Tone Xciter is an EQ-based tone-sculpting tool that is inspired by the “ToneX” control on a rare old amp model from the 60’s. The pedal uses a band-pass filter with controls for peak frequency and intensity. Its sound is similar to turning on a wah-wah pedal and leaving it in one position.

The Tone Xciter 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 your signal chain when the pedal is off. The Tone Xciter is hand-made in the USA and 100% analog.

Internal Controls

FREQUENCY – *trimpot near right of circuit board when foot switch is down and LED is up*. This control sets the peak frequency of the band pass filter. Settings up to noon span the range of a typical wah-wah pedal. Higher settings provide some unique treble-boosted sounds.

INTENSITY – *trimpot left of circuit board when foot switch is down and LED is up*. At low settings, the effect is more like a subtle tone control. At around 1:00, it is similar to a typical wah-wah pedal. Higher settings bring in more upper harmonics and sustain/feedback.

SPECIFICATIONS

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

Circuit: The Tone Xciter 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.

 www.henrettaengineering.com kevin@henrettaengineering.com