

<<< Flexi-Switching >>>

This device features Flexi-Switch™ Technology! This relay-based, true bypass switching style allows you to simultaneously use momentary and latching-style switching.

- For standard latching operation, tap the footswitch once to activate the effect and then tap again to bypass.
- For momentary operation, hold the footswitch down for as long as you'd like to use the effect. Once you release the switch, the effect will be bypassed.

Since the switching is relay-based, it requires power to pass signal.

<<< Power Requirements >>>

- Current Draw: 10mA
- This device take a standard 9 volt DC power supply with a 2.1mm negative center barrel. We always recommend pedal-specific, transformer-isolated wall-wart power supplies or multiple isolated-output supplies. Pedals will make extra noise if there is ripple or unclean power. Switching-type power supplies, daisy chains and non-pedal specific power supplies do not filter dirty power as well and let through unwanted noise. **DO NOT RUN AT HIGHER VOLTAGES!**

<<< Tech Specs >>>

- Input Impedance: 50K Ohm
- Output Impedance: <10K Ohm

<<< Warranty >>>

This device has a limited lifetime warranty. If it breaks, we will fix it. Should you encounter any issues, please email info@earthquakerdevices.com.



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Hummingbird™



OPERATION MANUAL

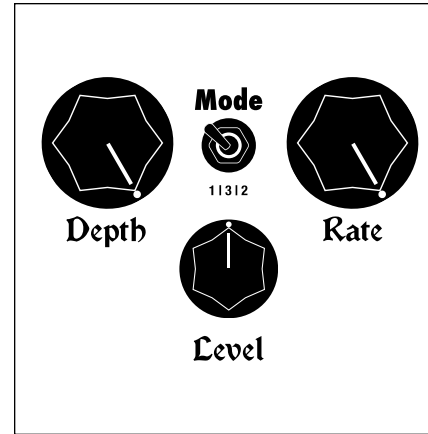
Welcome to your new Hummingbird™ Repeat Percussion tremolo! The Hummingbird is a choppy, sawtooth tremolo modeled on the vintage “repeat percussion” unit and similar to those found in old Valco and Vox amplifiers. It is capable of producing everything from classic “50’s style” shimmering tremolo to a synthy, delay-like chop that turns your signal into a burst of short pings and on through to near ring modulation speeds. Simply choosing between **Modes 1** (slow), **2** (mid-tempo) or **3** (fast) and adjusting the **Rate (3)** and **Depth (1)** controls will unlock a whole new world of amplitude modulation at your feet. The **Rate** is also expression pedal accessible to allow instant changes on the fly. Using an expression pedal opens up the possibility of true random amplitude modulation! In addition to the modulation, the Hummingbird has plenty of clean gain on-tap allowing you to either boost or cut the signal using the **Level (4)** control. If the **Depth** is turned to zero, the Hummingbird will become a JFET clean boost! The Hummingbird is all analog, true bypass and handmade one at a time on a gilded cloud in Akron, Ohio.

<<< Controls >>>

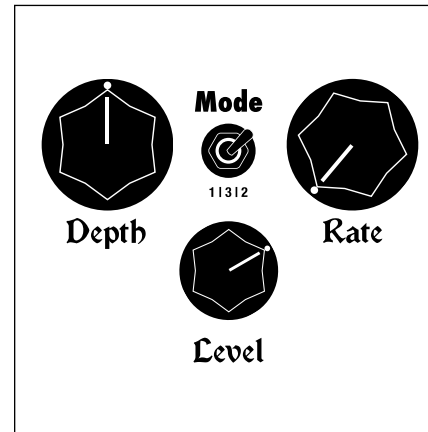


- 1 Depth:** This adjusts how much the oscillator affects the signal. All the way clockwise produces a full chop, all the way counterclockwise produces no chop and the Hummingbird can be used as a simple JFET booster.
- 2 Mode:** Three way toggle switch which selects the range of the oscillator. Mode 1 is slow, Mode 2 is mid tempo and Mode 3 is fast.
- 3 Rate:** This adjusts the speed of the oscillator. Faster clockwise, slower counterclockwise.
- 4 Level:** Adjusts the output volume
- 5 Expression Jack:** Use an expression pedal to adjust the rate with your foot! When an expression pedal is in use the Rate control is defeated. We recommend the Moog EP-2 expression pedal.

<<< Suggested Settings >>>

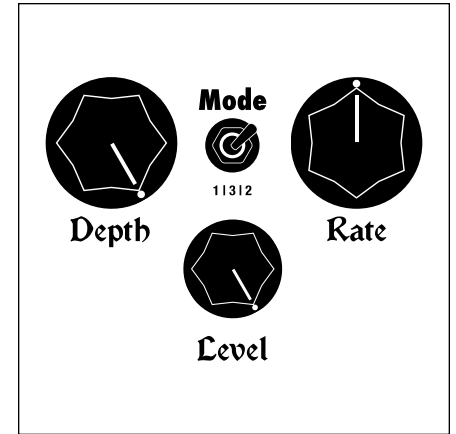


Interstellar Sequence



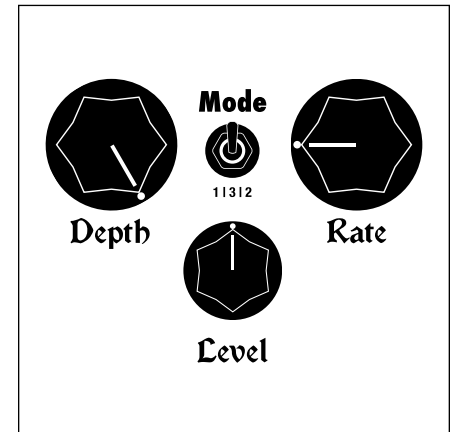
Sun Reflections

Try a Gmaj9 open chord in time with the warm sunlight tempo of the modulations.



Power Chord Companion

Hit your amp a little harder while coming down to each chord with right hand windmill-like motions.



Tremors

Use expression pedal to create bone-chilling modulations.