

<<< 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: 15mA
- 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: 1M Ohm
- Output Impedance: <1K 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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Grand Orbiter™



OPERATION MANUAL

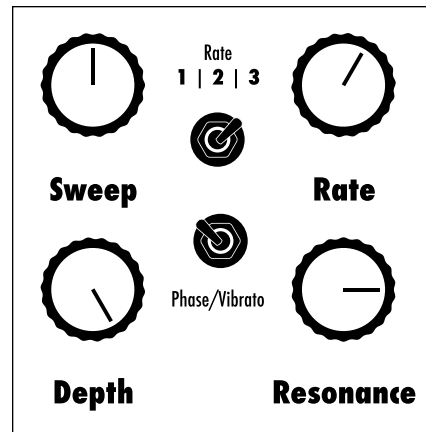
The Grand Orbiter™ is a 4 stage OTA-based phaser with a diverse feature set that can go from stationary and resonant, to slow and mellow, and on through fast and swirly. It has a three-way toggle switch to select between the ranges of modulation: **Rate 1** is slow sweep mode, **Rate 2** kills the LFO and allows you to use the Grand Orbiter as a fixed resonant filter and **Rate 3** is fast sweep mode. The master **Rate (3)** control fine tunes the speed of the LFO in each of these modes and the flashing red LED acts as a visual indicator, even when the effect is in bypass mode. The **Depth (4)** control blends the shifted signal in with the dry signal and controls the intensity of the effect. The **Sweep (1)** control governs the peak frequency of the phased signal's tone, turned full clockwise the sweep is lively and intense; whereas turning counterclockwise yields a darker, more laid back peak. The **Resonance (6)** provides a wide range of control over regeneration and at higher settings adds a more pronounced and resonant tone. You can also use the Grand Orbiter as a true pitch vibrato with the **Phase/Vibrato** switch. When in Vibrato mode, the dry signal is removed and the Depth controls acts as a volume control. This pedal is 100% analog, true bypass and built by entirely by hand in beachy Akron, Ohio.

<<< Controls >>>



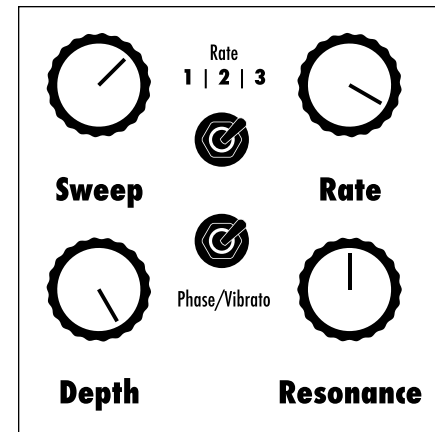
- 1 Sweep:** Controls the frequency peak of the sweep. Higher peak clockwise, lower peak counterclockwise.
- 2 Rate 1,2,3:** Changes the range of the speed control. Rate 1 is slow mode, Rate 2 is LFO kill to use the Orbiter as a fixed resonant filter, Rate 3 is fast mode.
- 3 Rate:** Controls the speed of the LFO. Faster clockwise, slower counterclockwise.
- 4 Depth:** Controls the amount of phase effect mixed with dry signal. Clockwise for more intense phasing, counterclockwise for less. In "Vibrato" mode, this acts as a volume control.
- 5 Phase/Vibrato:** Cuts the dry signal to create a vibe/vibrato effect depending on the setting of the other controls. Vibrato is created by turning the resonance down low.
- 6 Resonance:** Controls the regeneration of the phased signal. More resonant clockwise, more subtle counterclockwise.

<<< Suggested Settings >>>



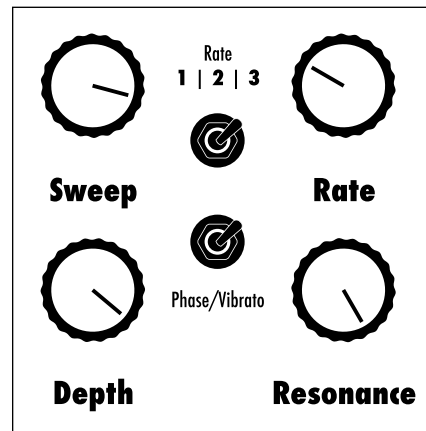
Mellow Gold

Chevy vans on the beach, Major 7th Chords on the hi-fi tape player, incense and good vibes.



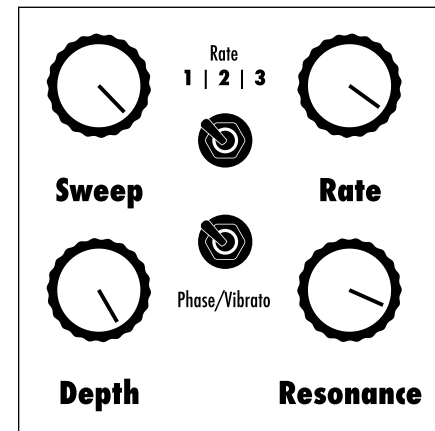
Rippling Waters

No risk of electrocution with this beautiful stream of modulations.



Slow n' Easy

Creeping filter seeping sure to inspire those who love to explore the passageways of the headphone forest.



Warped Waylon Record

Someone left the stack of records too close to the coal stove...