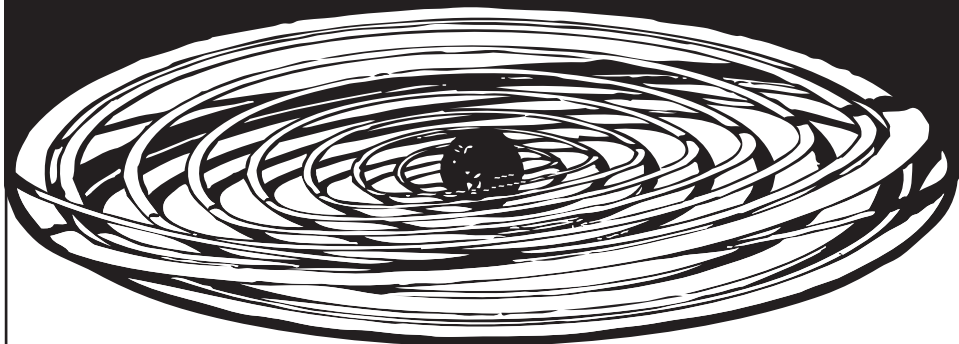


Grand Orbiter

Phase Machine



Welcome to your new Grand Orbiter Phase Machine from EarthQuaker Devices! 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 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 control blends the shifted signal in with the dry signal and controls the intensity of the effect. The Sweep control governs the peak frequency of the phased signal's tone. Turned full clockwise the sweep is lively and intense, whereas turning counter clockwise yields a darker, more laid back peak. The Resonance control provides a wide range of control over the regeneration and at higher settings adds a more pronounced and animated 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 entirely by hand in beachy Akron, Ohio.

Controls

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.

Rate: Controls the speed of the LFO. Faster clockwise, slower counter clockwise.

Sweep: Controls the frequency peak of the sweep. Higher peak clockwise, lower peak counter clockwise.

Resonance: Controls the regeneration of the phased signal. More resonant clockwise, more subtle counter clockwise.

Rate 1,2,3: Changes the range of the speed control. Rate 1 is slow mode, rate 2 is a LFO kill to use the Orbiter as a fixed resonant filter, rate 3 is fast mode.

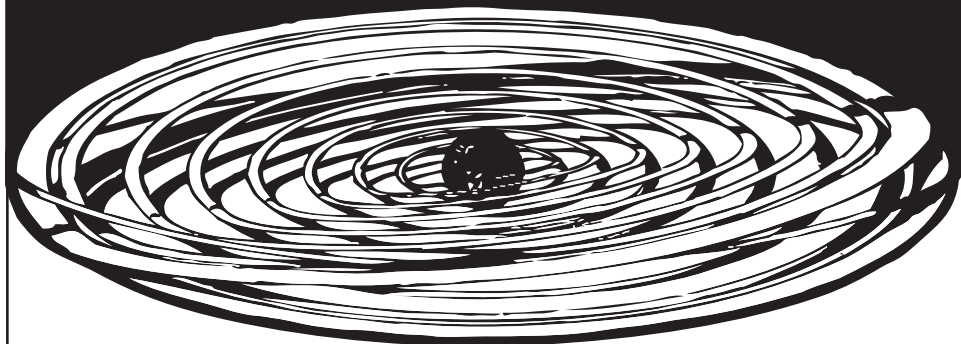
Phase/Vibrato: Cuts the dry signal to create a vibe/vibrato effect depending on the setting of the other controls. Vibrato is created by turning the resonance down low.

Power

A standard 9 volt DC power supply intended for musical instruments with a negative center 2.1mm barrel.

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