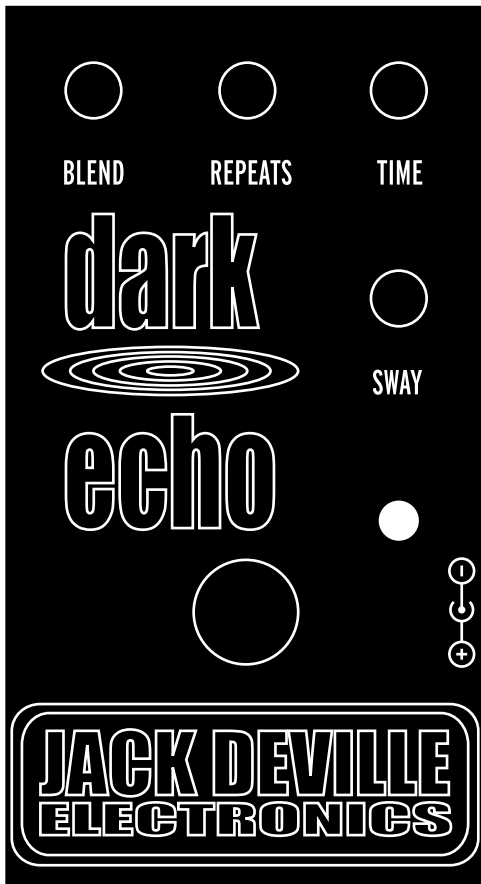


dark echo

Thank you for choosing the Dark Echo by Jack Deville Electronics. We strive to bring you quality sounds and appreciate your support.

Overview

The Dark Echo is a unique delay/echo effect featuring digital echo processing with an analog signal path and analog support circuitry. Four external controls and one internal control are provided for the operator to tune the effect to their unique preferences. The control operations are explained below:

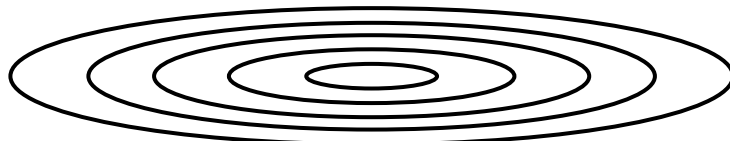


BLEND: The blend knob allows you to mix in the desired amount of delayed (wet) signal with your clean (dry) signal. Full CCW rotation mixes out the wet signal allowing only the dry signal to remain. Full CW rotation mixes and equal amount of wet signal with the dry signal.

REPEATS: The repeats knob controls the feedback of the echo circuit. Full CCW rotation will yield 1 echo. Full CW rotation will yield a stronger echo signal than the dry signal resulting in self-oscillation. The self-oscillation threshold lies at 3 o'clock.

TIME: The time control affects the time duration between repeats. Full CCW rotation yields approximately 50ms between repeats. Full CW rotation yields approximately 450ms between repeats.

SWAY: Sway modulates the time control via a triangle wave. Rotating the control changes the frequency and intensity of the modulation simultaneously. Full CCW rotation eliminates the modulation effect. At lower settings, the modulation speed is higher while the intensity is lower. As the control approaches full CW rotation, the modulation speed decreases as the intensity increases.



Operation & Bypass

The footswitch controls the state of the Dark echo. Firmly depress the footswitch to engage or disengage the Dark Echo. The Dark Echo employs true-bypass switching, so your tone is unaffected when the effect is bypassed.

PLEASE NOTE: The echo circuit is operating at all times, even when the effect is bypassed; hence, it is not “self-clearing.” As a result, you can store your oscillations in the Dark Echo (they will continue to grow/degrade/be affected by the controls) while the unit is in bypass mode, and they are available to you upon re-engagement.

LED Indicator

The indicator LED alerts the operator of the Dark Echo’s state.

LED active indicates that signal is flowing through the Dark Echo.

LED extinguished indicates that signal is bypassing the Dark Echo.

Level Control

An internal output level trim has been included providing -2db to +6db gain from the Dark Echo. It is accesible by removing the back cover and is located at the lower right corner of the PCB.

Power Requirements

The Dark Echo has been designed to operate at 9VDC, and can be powered by an internal 9V battery or an external 9VDC power supply. A power jack is supplied on the right side of the enclosure, this jack follows the conventional negative center-pin polarity scheme. Please observe these requirements when powering the unit by an external power source. Failure to follow these requirements may damage/destroy your Dark Echo and/or your power supply.

