

Subdecay Studios – Octasynth

Octave Synthesizer 1.0a

The Octasynth is handmade in Newberg, Oregon with high quality components. Thank you for purchasing The Subdecay Octasynth Octave Synthesizer.

What is the Octasynth?

The Octasynth converts your guitar signal into three octaves of square waves singing in unison, then sends them through a resonant filter. The end result is reminiscent of a vintage analog synthesizer... or in some cases a malfunctioning analog synthesizer.

Controls

The Octasynth's controls are tailored to creating a sound quickly. No endless tweaking required.

Bypass: Turns the effect on or off.

Blend: A mix control for 3 octave voices. To the left, two octaves down. To the right, one octave. In the center a mix of all three.

Depth: The range of the filter. As this knob is turned to the right each note you play pushes the filter cutoff frequency higher. This control can be a bit touchy, especially in the lower range. When turned all the way down the filter stays below audible frequencies (i.e. there will be no sound at all.) It needs to be turned up at least a little bit for any audible effect. This design allows the filter to trail off to ultra low frequencies, which can make notes trail off gracefully rather than sputtering out.

Res: Resonance/Feedback for the filter. Turned to the right the cut off frequency of the filter is intensified. Turned all the way to the right the filter will approach near oscillation.

Level: Total output volume.

Power:

The Octasynth can be powered by a standard 9 volt battery, or by a dedicated Class II regulated 9 to 12 volt DC power supply with a negative center 2.1mm barrel type plug.

Current draw under normal operation is less than 25mA.

If using a "daisy chain" power supply all other units on the power supply MUST be negative ground.

Specifications:

Input impedance: 500M

Output Impedance: Varies depending on output volume.

True Bypass.

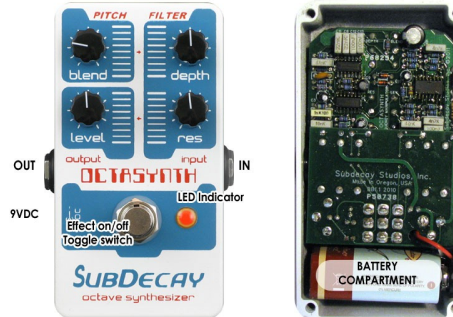
Operation and Care: Keep away from extreme heat, cold and moisture. Use only a dry towel to clean. No user serviceable parts. Contact Subdecay Studios, Inc. for repair or maintenance.

Warranty:

Subdecay Studios offers a 3 year limited warranty from the purchase date to the original purchaser. This warranty does not cover misuse, or the neglect of the user. It also does not cover the finish, paint, or any exterior, or superficial damage. Any unauthorized repairs will void warranty. Subdecay Studios, Inc assumes NO LIABILITY for this product.



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This document was believed to be accurate at the time it was created. Specifications are subject to change without notice.

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