

SUBDECAY

Spring Theory



USER GUIDE

VERSION 1.0a

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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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Subdecay Studios – Spring Theory

Reverberator 1.0a

The Spring Theory is hand crafted in Newberg, Oregon with high quality components. Thank you for purchasing The Subdecay Spring Theory Reverberator.

What is The Spring Theory?

The Spring Theory is a reverb effect that simulates spring reverb, or a spatial room reverb. This was Subdecay's first foray in to (gasp) DSP (digital signal processing) the only practical way to create reverb effect in stompbox form.

The Spring Theory is designed specifically for guitar. You won't hear a supposed spring tank simulation that just doesn't cut it, or some "studio" reverb designed for vocals or drums simply ported to a pedal format as an afterthought.

Controls

Bypass: Turns the effect on or off.

Spring/Room: Selects between two different reverb sounds. **Spring mode** is based on several different tube driven spring reverbs. **Room mode** can sound like anything from a small enclosed space to a 10 mile wide cavern with every surface covered in ceramic tile.

Reverb: Sets the effect level. Turn to the right for a louder reverb effect, and all the way to the left to cut the effect completely. The dry signal is independent from this control and will remain at the same level as the bypass signal.

Depth: Controls the length/decay of the reverb effect. Turn to the right for longer reverb times. More realistic sounds are found in the middle. As it is turned up higher reverbs sound a bit more unrealistic.

Power:

The Spring Theory is powered by a dedicated Class II regulated 9 to 18 volt DC power supply with a negative center 2.1mm barrel type plug. (not included) Current draw under normal operation is less than 100mA. If using a "daisy chain" power supply all other units on the power supply MUST be negative ground.

Specifications:

Input impedance: 1M

Output Impedance: Less than 1K

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.