

### Introduction from the designer:

Inspired by many effects of the past, the Echobox v2 captures sounds that straddle the line between analog and tape echos. With fresh ears we reexamined much of the gear we used while creating the original Echobox in 2008. We listened to lots of music. There may have been a beer or three in there somewhere.

The new Echobox had to improve upon the original. While the first echobox was a big deal for Subdecay we knew we needed to make some major improvements, like a more transparent dry signal path. To improve dynamics, the echo signal goes through a 10<sup>th</sup> order filter rather than a noise reduction circuit. Extended repeats on the original would tend toward the high end of the frequency spectrum and eventually would turn in to a high pitched ringing no matter what you played. The new Echobox repeats degrade more pleasantly with the regen knob set high yet still retain the original musical entropy.

Tonal improvements aside, if there was a common complaint about the original Echobox it was finicky controls. The short delay times were all bunch up the early sweep of the knob. Turning the modulation depth would change the delay time in a counter-intuitive way. Turned past 11:00 you'd often find your self in seasick territory. Classy and subtle settings were hard to dial in.

While the tonal improvements are many, the controls are where we made the most notable changes. We just wanted to make the control surface feel right.

### Getting started:

To get a feel for the Echobox get your favorite guitar. Plug into your amp. Bring an overdrive pedal too. This pedal works brilliantly even if it's before overdrive, but you'll need to turn the delay level down.

Once you are plugged in and powered up simply set all the knobs to the center. You'll notice even with the modulation set straight up it's noticeable, but not overwhelming. Repeats won't come on too strong and sound like a natural echo with just the right regeneration level. Change one setting at a time starting with the delay knob and check out the range. The regen and level knobs will drastically alter the effect's intensity.

### Specifications:

Input impedance: 1M

Output impedance: ~1K

Power by DC adapter. (see back for more details)

### Operation and care:

All the regular stuff here. Don't leave it out in the rain or put it in an oven. If you want to clean it use a towel, don't put it in the washing machine. Send it back to us if it stops working.

### Warranty:

Subdecay Studios offers a 3 year limited warranty from the purchase date to the original purchaser. This warranty does not cover polar bear attacks, willful destruction, using your pedal as a hammer, or the neglect of the user. It does not cover the finish, paint or any external superficial damage. Any unauthorized repairs or modifications voids the warranty.

# SUBDECAY ECHOBOX



## ECHO / DELAY USER GUIDE

Version 2.00a

**--CONTROLS--**

**-Depth-** Set dead center modulation is subtle. Turning further it becomes more noticeable with full on pitch madness at the end of the dial. Turn the depth all the way down to completely cancel delay time modulation.

**-Level-** Sets the overall volume of the delay. When set at maximum the first repeat will be slightly louder than the original signal. This knob does not affect the original clean signal.

**-Regen-** Controls how long the delay will repeat itself. Set to 3:00 the echos will trail almost infinitely. Turning up higher launches into oscillation. Dial it back for subtlety if you are in to that kind of thing.

**-Trails-** Changes how the pedal acts when bypassed. In the up position echos will trail off after bypassing. When OFF the echo is cut after bypassing.

**-Speed-** Sets the modulation rate. Chorus like echos with this knob set to the left. Vibrato to the right.

**-Delay-** Sets the delay time from 40 - 666 milliseconds. (Really it's more like 700 milliseconds, but who's counting?) Set to dead center gives you a delay time of 250 ms. While this may not sound linear it keeps the shorter delay times from feeling bunched up at the beginning of the dial.

**OUTPUT**

**INPUT**

**LED INDICATOR**

**BYPASS SWITCH** turns effect off or on. Operation is dependant on trails switch setting.

This text is so small you probably can't even read it. Seriously who came up with this idea of putting control descriptions in all these tiny boxes. You know it's going to leave a bunch of awkward blank space. Stewart, I like you, but you know it's the aliens.

Information in this user guide was believed to be accurate at the time it was created. All content of this document is subject to change without notice.

For more information on using the EchoBox please visit <http://www.subdecay.com/echo-box>

Subdecay Studios, Inc.  
support@subdecay.com  
www.subdecay.com

SUBDECAY STUDIOS INC. ©2016

**Powering this pedal above 24VDC may cause permanent damage so just dont do it.**