SUBDECAY

HARMONIC ANTAGONIZER

Fuzz | Oscillator | Chaos Synthezer

USER GUIDE

Version 1.00a

-FREQ.- Manually controls the oscillator frequency. At low settings the oscillator can produce suboctaves. Set high it operates similar to a sync oscillator in a synthesizer.

-BLEND- Mix control. Turn to the left for square wave fuzz output. Turn to the right for oscillator output. When the oscillator gets wild the fuzz can be the sonic glue that holds it all together.

-VOLUME- Turn to the right to make it louder.

OUTPUT

-DC input- Powered by a dedicated Class II regulated power supply with a negative center 2.1mm barrel plug. Current draw under normal operation at 9VDC is less than 15mA.
If using a "daisy chain" power supply all other units on the power supply MUST be negative ground.
Can be powered up to 18 volts without risk of damage, although the advantages of power beyond 9.6 volts are minimal.

An internal 9 volt battery may also be used to power this pedal.

READ THIS FIRST!
While this page explains control functionality you'll likely learn more simply trying it for yourself.
This is not a traditional effect. There's no widely familiar frame of reference that will prepare you for the Harmonic Antagonizer. It will turn most any instrument in to a noise machine, but there are no hard rules here. Plug it in & try it out.

For a more information on using your Harmonic Antagonizer please visit
http://subdecay.com/effect/harmonic-antagonizer

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--CONTROLS--

-SENSE- Sets envelope control level for the oscillator frequency. Turn to fully left for fixed frequency oscillator. As this knob is turned to the right playing dynamics will push the oscillator frequency higher. This can be used for several different effects from pixelated pitch decay to faux filter sweeps.

-SUSTAIN- Sets the input gain. This signal drives two other circuits. The square wave fuzz converter and the output VCA. The VCA will diminish the output level as the input falls. This keeps the effect from gating harshly.

INPUT

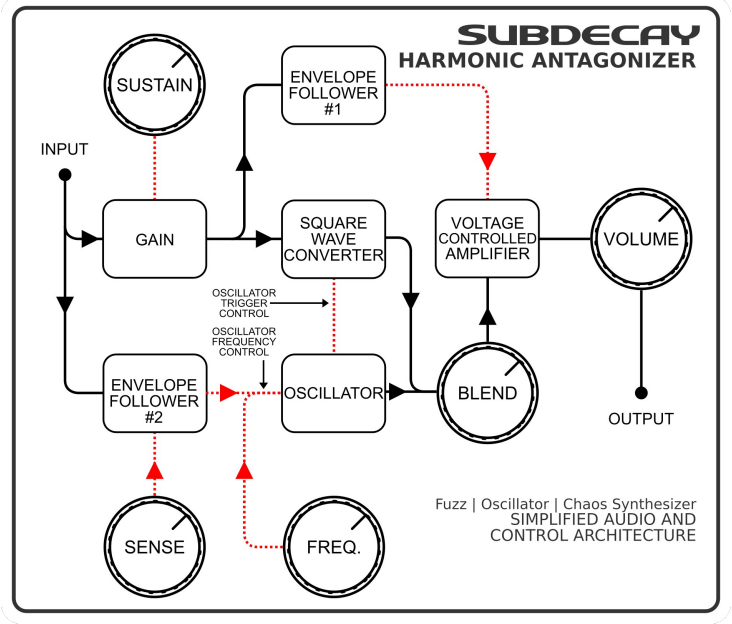
LED INDICATOR

BYPASS SWITCH

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 destroyment, 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.

Introduction:
There's no reverence for 1960's fuzz tradition here. There are no germanium transistors or NOS parts. It's not polite or smooth. The Harmonic Antagonizer is not your typical fuzz box. In fact the fuzz moniker is really inadequate. It's really more of a fuzz / oscillator / chaos synthesizer / tone destroyer / noise machine, etc. It's not just for guitar either. It's great on bass, drum machines or just about any instrument you can plug in to it.

The essentials of this effect boil down to a square wave converter and a triggered oscillator. There's more going on inside to turn that in to something that can be musical.



The square wave converter creates the fuzz sound. The oscillator is triggered for an effect similar to the sync function on a synthesizer. The voltage controlled amplifier keeps the output from hard gating as the input trails off.
There are no hard rules here. How you use it is up to you.

Getting started:
On the back page there is an explanation of the controls, but really this is the kind of effect where you just have to plug it in and use it.

Specifications:
Input impedance: 1M
Output impedance: Less than 10K
Power by DC adapter. (see back for more details) or 9 volt alkaline battery.

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.

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.