Introduction:

Your Vitruvian was hand crafted in Oregon. Thank you for purchasing a Subdecay pedal.

Inspired by additive synthesis, sci-fi soundtracks and the Commodore 64's MOS Technology SID chip the Vitruvian Mod is a ring modulator with a synthesizer soul.

The Vitruvian Mod's focus on ease of use and pitch tracking lets you easily create sounds and timbres difficult to achieve by any other means.

A ring modulator multiplies two signals. The output of this multiplication is the sum and difference of the two signals. That's not easy to explain, but you know the effect when you hear it. In this case the Vitruvian Mod modulates the input signal with an internally generated carrier.

Without tuning the ring modulation carrier the results are typically dissonant and unmusical. When tuned conventionally it can make for interesting sounds, albeit usually only for a few notes if you stay in the same key.

While classic static carrier tones are available, pitch tracking allows the internal carrier to follow the input signal. This can result in several octaves down, octaves up, fifths and other harmonic timbres. See the back of this user guide for tuning the Vitruvian Mod's controls.

Specifications:

Input impedance: 250K Output impedance: Less than 50K

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 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.

Simplified circuit architecture: The clean signal remains 100% analog. Ring modulation and pitch tracking are produced by a digital signal processor.



SUBDECAY VITRUVIAN MOD



RING MODULATOR

VERSION 2.00A

