

# SUBDECAY

## Proteus

### SAMPLE/HOLD & ENVELOPE FILTER



## USER GUIDE

VERSION 2.00A

Subdecay Studios, Inc.  
Hand made in Oregon.

Having trouble? Visit our website for more info:  
[subdecay.com](http://subdecay.com)

Email us:  
[support@subdecay.com](mailto:support@subdecay.com)

Or call us.  
503 538 3632

#### 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.

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

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#### Introduction:

The Proteus mkII Improves upon the original with a new all analog filter design and the addition of a resonance control and switchable low-pass and band-pass filters.

The Proteus mkII is both an envelope filter, and a tap tempo sample/hold filter in one super compact pedal.

We added serious versatility while remaining focused on keeping things simple. It's still the ultimate plug and play filter pedal making it super easy to handle live.

#### Getting started:

For maximum headroom use a high quality 18 volt DC adapter with a negative center 2.1mm barrel plug. 9 or 12 volts will work as well. Once the Proteus mkII is plugged in and powered it will be in envelope filter mode. Most of the controls do exactly what you'd expect with the exception of the TAP/HOLD switch and the 1-2-4 multiplier toggle.

To start sample/hold filter mode simply press the **TAP/HOLD** switch four times in rhythm to the tempo you want to use.

The sample/hold filter will start modulating at **1, 2 or 4** times the tempo depending on the multiplier toggle setting.



**Bypass:** Turns the effect on or off.

**Depth:** Controls how much the filter is modulated.

**Frequency:** Sets the resting point of the filter in envelope mode. Sets the center point of the filter in sample/hold mode. *With the depth turned all the way down this control can be used to manually set the filter similar to a cocked wah effect.*

**Resonance:** Controls the "Q" of the filter. That's electronics talk though. It simply makes the filtering more intense as you turn it up.

**LP-BP:** Select between the low-pass or band-pass filter. The low-pass filter is more traditional like a wah sound. The bandpass is more intense.

**Dual color LED:** Lights up green to let you know the effect is on. Lights up in red with the filter modulation. This also lets you know which mode the filter is in even when it's bypassed.

#### Specifications:

Input impedance: 200Kohms  
Output impedance: Less than 1K  
Powered by a 9-18VDC adapter.  
Can not be powered by a 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.