



UNDERSTANDING AND CARING FOR YOUR ANIMAL BONESAW EURORACK MODULE USER MANUAL

Congratulations!

You are now a proud human to a Bonesaw Eurorack Module.

We took the sloppiness of a drunk surgeon operating on sonic limbs and packed it into 10HP! This is a fairly simple module to use, but do go through this manual in detail to get the most out of it.

CONTROLS



UPPER KNOBS

DRIVE: Increases the overall gain of the filter circuit, with a bone-crushing distortion past the 3pm marker.

Q: Controls the filter resonance.

Be cautious with this control, it can self-oscillate VERY easily!

CUTOFF: Controls the cutoff frequency with a 6dB slope for each of the outputs.

FM PHASE: Controls the phase of the frequency modulation applied to the filtered signal.

When rotated CCW the modulation is out of phase, rotated CW the modulation is in phase with the source.

AUDIO I/O

IN: Audio Input

FM IN: Secondary audio input. **If nothing is connected to this input, it is normalled to the BP output.**

LP OUT: Low-pass output.

BP OUT: Band-pass output.

HP OUT: High-pass output.

CV I/O

CUTOFF CV: Can accept bipolar CV signal to modulate frequency cutoff.

Q CV: Can accept bipolar CV signal to modulate Q.

FM CV: Can accept unipolar positive CV signal to modulate the bias of FM.

LOWER KNOBS

CUTOFF ATTENUATOR: Controls the scaling of the CV signal which modulates the cutoff knob.

FM VCA: Controls the amount of CV signal that is applied to VCA for the FM input.

Q ATTENUATOR: Controls the amount of CV signal for resonance control.

A white light under the clear knob indicates a positive going modulation signal, while a blue light indicates a negative one.



VIVISECT EXPANSION

SIGNAL FLOW

The Bonesaw outputs can be normalized to the Vivisect inputs by the headers on the back of each module with the 6-wire cable provided.

They are mapped as follows:

Vivisect Out 1 - Drive Output (phase inverted)

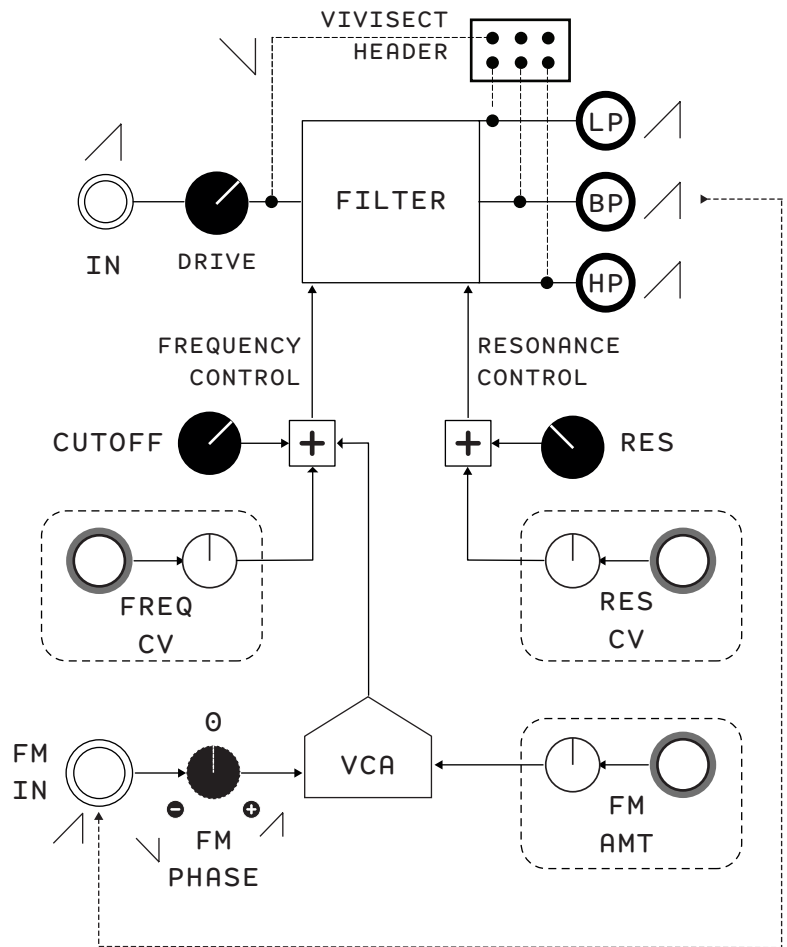
Vivisect Out 2 - Low Pass Signal

Vivisect Out 3 - Band Pass Signal

Vivisect Out 4 - High Pass Signal

Use this creatively to accentuate the filter effects! For example, summing the outputs 2-4 gives you a basic EQ of sorts. Playing with the phase using the individual channel knobs can yield interesting comb filter effects. And if you just want a FAT drive, tap the output of Vivisect channel one.

The notch on the cable should point upwards on both modules. If the cable is connected incorrectly, you will likely hear little or nothing - just swap the direction on one module.



ENVIRONMENT

Do not dispose of any part of this module in household waste.

Electronics must be disposed of safely according to the electronics disposal norms in your country.

This module was constructed using lead-free solder and observes compliance with the RoHS directive.

All parts of our packaging are designed to use minimal or no plastic.

TECHNICAL SPECIFICATIONS

Power Draw
+12V: 30mA
-12V: 24mA

Size: 10HP
Skiff friendly



EXPANSION HEADER

Subscribe to our newsletter for updates regarding future expansion modules and manual updates...

CONTACT/QUESTIONS/COMMENTS/FEEDBACK

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