



**ANIMAL FACTORY**  
AMPLIFICATION

# UNDERSTANDING AND CARING FOR YOUR ANIMAL PIT VIPER EURORACK MODULE USER MANUAL

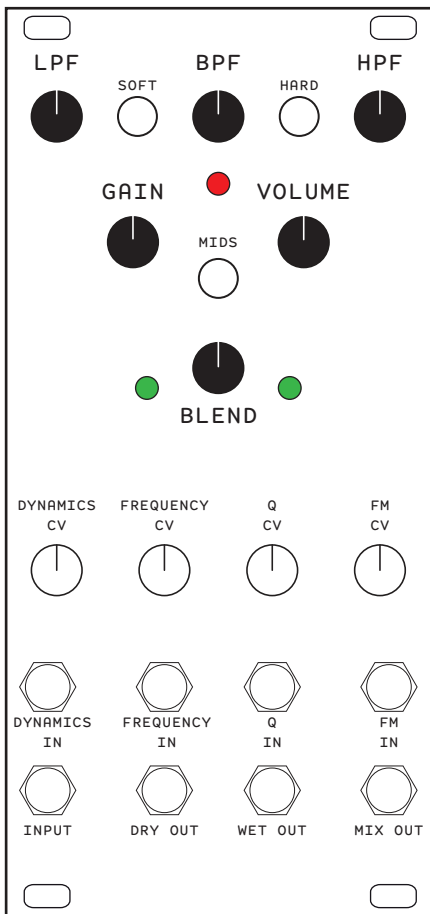
Congratulations!

You are now a proud human to a Pit Viper Eurorack Module.

In this edition, we retained all the venom of the original... and added a little more, in the form of a nasty filter with individual output levels!

## CONTROLS

### UPPER KNOBS



**LPF:** The knob controls the amount of the filtered low-pass signal post drive.

**GAIN:** Controls the amount the clipping circuit is engaged.

**BPF:** The knob controls the amount of the filtered band-pass signal post drive.

**VOLUME:** Controls the overall volume of the distortion circuit.

**HPF:** The knob controls the amount of the filtered high-pass signal post drive.

**BLEND:** Controls the balance between the dry and wet signal on the mix out.

### LOWER KNOBS

**DYNAMICS CV:** The attenuator controls the amount of CV signal that affects the dynamics of the circuit.

**Q CV:** Controls the amount of CV that modulates the Q amount for each filter band. The knob is normalized to control the Q amount if nothing is connected to Q IN.

**FREQUENCY CV:** Controls the amount of CV modulating the frequency. If no input is connected to FREQUENCY IN, this knob can be used to sweep the frequency.

**FM CV:** Controls the amount of CV signal that affects the self-FM circuit. The knob is normalized to control the amount of FM if nothing is connected to FM IN.

### SWITCHES

**SOFT SWITCH:** The middle position applies no clipping, the top and bottom positions give two different flavors of "soft" clipping. Soft doesn't mean nice and fluffy though.

**HARD SWITCH:** The middle position applies no clipping, the top and bottom positions give two different flavors of "hard" clipping (a bit like limiting).

**MIDS SWITCH:** Sets the amount of bass cut prior to the drive circuit.



## AUDIO I/O

**INPUT:** Input connector that takes in signal to be processed.

**DRY OUT:** Sends out the unprocessed signal as is.

**WET OUT:** The output of the distorted circuit pre-filter.

**MIX OUT:** The output of the distorted signal with the filtered output.

## CV I/O

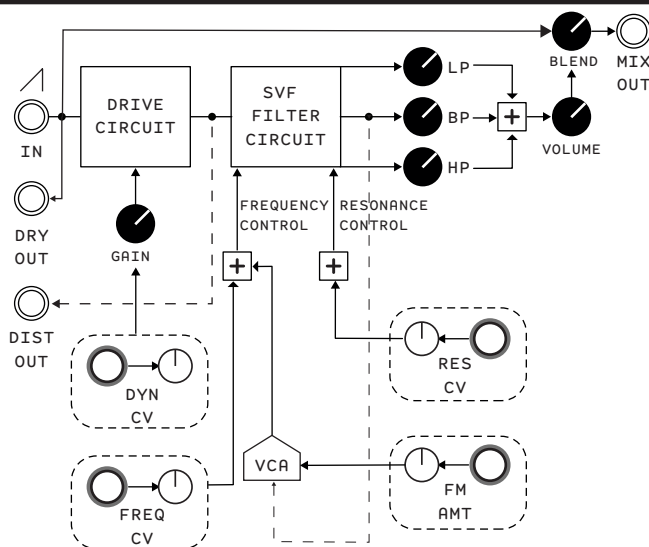
**DYNAMICS IN:** CV signal applied to the input controls the dynamics of the distortion circuit. **IMPORTANT:** This effect is best heard if **GAIN** is turned all the way down, and becomes less useful at higher settings.

**FREQUENCY IN:** CV signal applied to the input controls the cutoff point of each filter band.

**Q IN:** CV signal applied to the input controls the Q amount of each filter band.

**FM IN:** CV signal to the input controls the bias applied to the FM circuitry of the band-pass filter.

## SIGNAL FLOW



## 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. Use the box and the velvet bag to keep other things safe.

## TECHNICAL SPECIFICATIONS

Power Draw:  
+12V: 44mA  
-12V: 43mA

Size: 12HP  
Skiff friendly



## EXPANSION HEADER

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

## CONTACT/QUESTIONS/COMMENTS/FEEDBACK

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