



ANIMAL FACTORY  
AMPLIFICATION

# GODEATER

## UNDERSTANDING AND CARING FOR YOUR ANIMAL GODEATER EURORACK MODULE USER MANUAL

Congratulations!

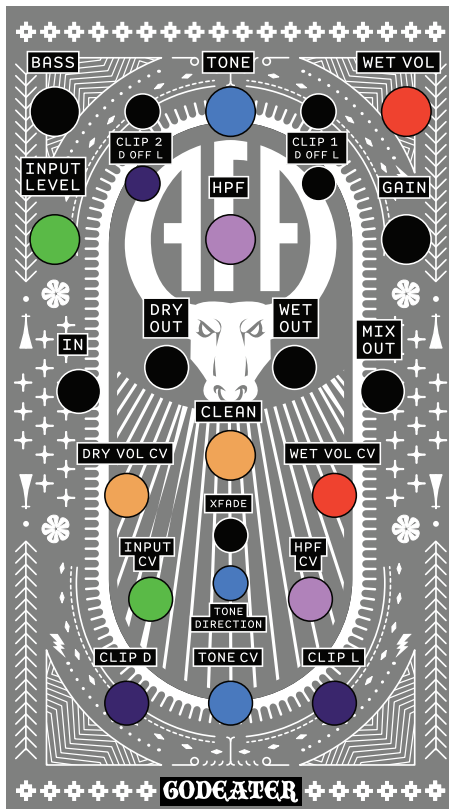
You are now a proud human to a Godeater Eurorack Module.

While you can get instant gratification by plugging the module and letting loose, you should know that your Godeater is no ordinary animal. There is quite a bit going on and many tricks it can do!

### CONTROLS

Controls marked with \* are extended with CV control

#### KNOBS



##### BASS

This adjusts the bass contour of the TONE knob. Turning the knob clockwise decreases the overall bass emphasis.

##### TONE\*

A very musical and improved mid-scoop style tone control. Turn CCW for more bass, turn CW for more treble.

##### WET VOL\*

This knob sets the output volume of the distortion circuit. When the XFADE switch is turned to the right, this knob is deactivated.

##### CLEAN

Sets the volume level of the clean signal to the MIX OUT.

##### INPUT LEVEL\*

This will increase the overall amount of distortion. Gain range: -23 dB to +23 dB (approx.). Can mute the input if turned down very low.

##### HPF\*

Turning this up applies a gentle 6dB high pass filter to the input signal. Useful for tightening up the low end or other tonal manipulation.

##### GAIN

A second gain control. Use in conjunction with the INPUT LEVEL knob to go from mild saturation to crushing fuzz and beyond.

### SWITCHES

##### XFADE

In the left position, the clean knob balances between the distorted and clean signal regardless of the WET VOL level. In the right position, the knob balances between the level set for WET VOL and clean signal.

##### TONE DIRECTION

Sets the behaviour of the TONE CV Input - whether to sweep from bass to treble (left) or the other way around (right). For correct functioning, the TONE knob must NOT be set to full CCW or CW. Middle position turns the CV control off, useful as a performance control.

##### CLIP 1 / CLIP 2

These switches allow you to dial in different types of clipping for the first and second distorting stage respectively:

LEFT (D): Diode  
OFF: None  
RIGHT (L): LED



## AUDIO I/O

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IN: Signal goes in here.

DRY OUT: A buffered 1:1 copy of the input signal, unaffected by all other controls and inputs.

WET OUT: This output gives you only the distorted signal at FULL volume - i.e., the WET VOL control has no effect on it yet.

MIX OUT: This output is the mix of clean and dirty signals.

## CV I/O

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DRY VOL CV: Controls the amount of clean volume to the MIX OUT. When XFADE is activated, a rising CV will blend from dirty to clean

INPUT CV: Rising CV increases distortion. INPUT LEVEL knob acts as offset.

TONE CV: Sweeps from bass to treble or vice-versa using the TONE DIRECTION switch. TONE knob must be set correctly for effective operation!

WET VOL CV: Controls the amount of dirty volume to the MIX OUT. When XFADE is activated, this input is deactivated.

HPF CV: Rising CV increases cutoff frequency. HPF knob acts as offset.

CLIP D/CLIP L: Activate clipping with increasing CV. Useful for waveshaping.

## TIPS & TRICKS

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1. The output level of the distorting circuit on a 12V supply is slightly lower than of the input. This is because the MIX output with both CLEAN and WET knobs on full can be almost 1.5x the input signal (tested on a 10V p-p sine wave).

2. The INPUT LEVEL, DRY and WET knobs can be used as offsets and negative CVs applied for ducking effects.

3. If you don't feel like distorting things, you can always use GODEATER as a clean or coloured VCA using the DRY VOL CV and WET VOL CV inputs.

4. The MIX OUT is inverted compared with the input signal.

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## 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: 35mA  
-12V: 25mA

Size: 14HP  
Skiff friendly



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## CONTACT/QUESTIONS/COMMENTS/FEEDBACK

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