



ANIMAL FACTORY AMPLIFICATION MAN-EM2 Pit Viper Eurorack Module User Manual

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ANIMAL

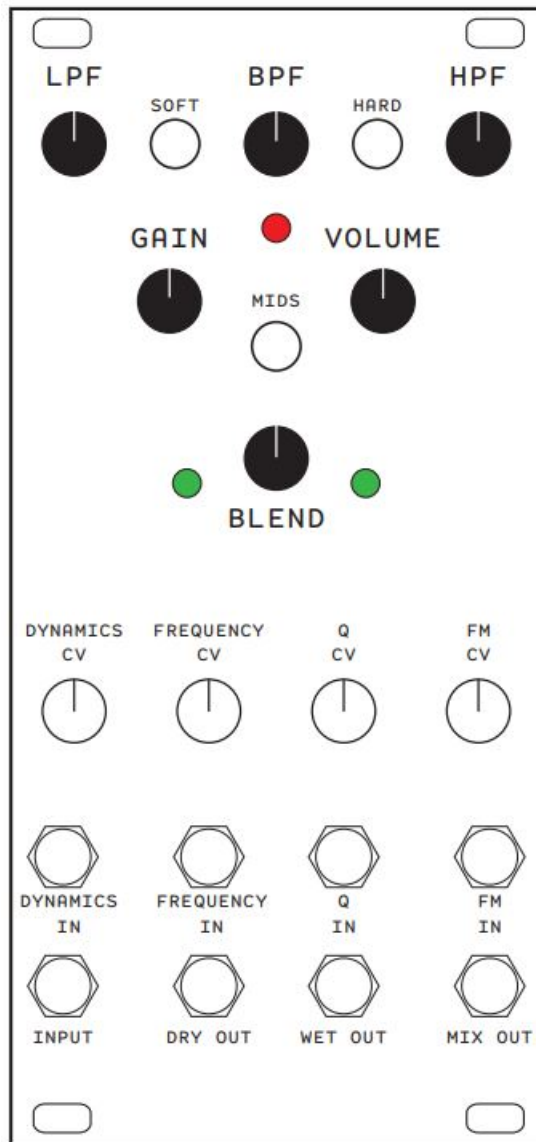
ANIMAL FACTORY AMPLIFICATION MAN-EM2 Pit Viper Eurorack Module



UPPER KNOBS

- LPF: The knob controls the amount of the filtered low-pass signal post drive.
- BPF: The knob controls the amount of the filtered band-pass signal post drive.
- HPF: The knob controls the amount of the filtered high-pass signal post drive.
- GAIN: Controls the amount the clipping circuit is engaged.
- VOLUME: Controls the overall volume of the distortion circuit.
- BLEND: Controls the balance between the dry and wet signal on the mix out.

LOWER KNOB



LOWER KNOBS

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

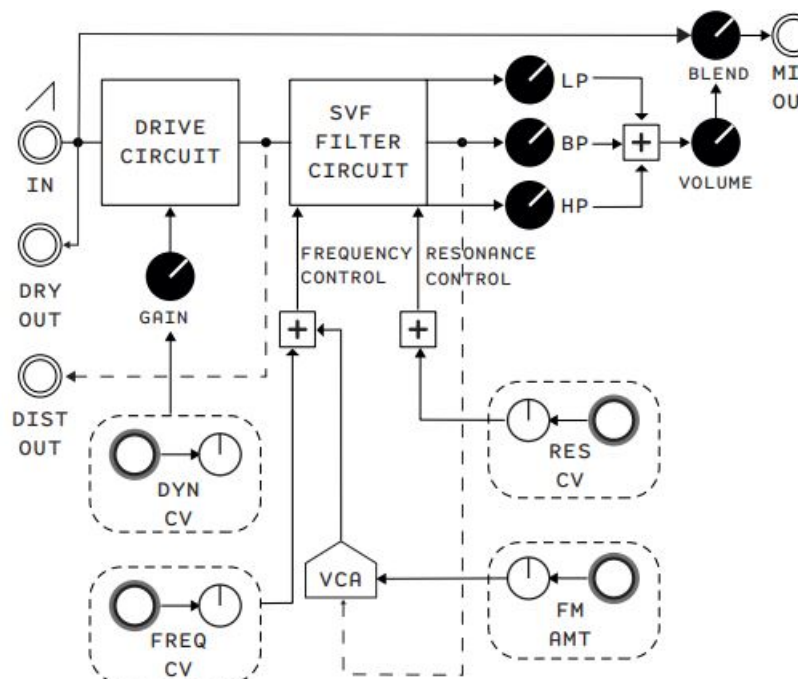
AUDIO I/O

- **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:** The CV signal applied to the input controls the cutoff point of each filter band.
- **QIN:** 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

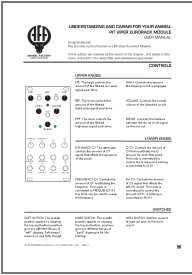


ENVIRONMENT

- 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



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MAN-EM2, Pit Viper Eurorack Module, MAN-EM2 Pit Viper Eurorack Module