Overview

Basic overview and features of the JET Lamb Overdrive

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Description

Introducing the Lamb, a 100% all analog signal path, programmable overdrive pedal with onboard presets and full midi control. The Lamb is an op amp based overdrive circuit with soft clipping diodes placed inside the feedback loop of the op amp. While it is it's own unique circuit, it can be closely compared to similar type circuits like the Marshall BluesBreaker, Analog Man King of Tone, and JHS Morning Glory, etc. The Lamb features an internal 18V charge pump converting a standard 9V power supply to 18V for maximum headroom and responsive touch dynamics.

- 100% All Analog Signal Path
- Full MIDI Control Over Every Knob, Switch, Feature, etc.
- Internal 18V Charge Pump for Maximum Headroom & Responsive Touch Dynamics
- 3 Selectable Overdrive Circuits
- 3 Selectable Presets (knobs not active in preset mode)
- 100 On-Board Presets w/ the Use of a MIDI Controller
- Any Circuit Can Be Saved to Any Preset Location
- Live Mode (knobs always active)
- Preset Mode (knobs inactive)
- Quick access between Live Mode & Presets
- Multi-Colored LED's Showing the Status of Each Preset & Algorithm
- Double Tap the Preset Switch for an Instant Lead Boost
- Soft Click Bypass Switches
- Power via 9v (Negative Tip) DC Power Supply (power supply not included)
    - *Requires 200ma or larger power supply (anything less will result in performance issues)
- Dimensions L x W x H - 4.7 in x 3.7 in. x 1.66 in. (119 mm x 94 mm x 42 mm)

The Overdrive Circuits

The Lamb has three different circuits which offer different levels of compression and clarity. By default the Lamb loads up with quad symmetrical silicone diodes which offers the least amount of compression for maximum clarity and "tube" like breakup. Then we offer symmetrical clipping with dual silicone diodes, this offers a slightly more compressed sound creating a more complex tone with rich overtones and saturation. The last option removes the clipping diodes from the bottom half of the sign wave which creates asymmetrical clipping on the top half of the sign wave. This option has much more headroom than the other two and is great for running a low gain / high volume type of overdrive to really push your amp into natural saturation.

The Tone Stack

The tone stack of the Lamb offers complete flexibility for maximum tone shaping. Inside the Lamb is a trim pot that is adjustable to set the overall presence of the Lamb, use this to fine tune your sound based on which amp and/or guitar combo you are using. The Lamb has the standard tone knob (low pass filter) found on all BluesBreaker type pedals, allowing you subtract or add treble frequencies. The gain knob also provides a dual role, at lower gain settings it adds bass and at higher settings it removes bass to eliminate flub or unwanted overloading of the low frequencies at high gains. We've also added a unique feature to the Lamb, a Mid Boost knob, which allows you to dial in just the right amount of mids to help cut through the mix. Think of the Mid Boost knob as a volume control, all the way to the left is off, turning clockwise will increase the amount of mids introduced into the signal path.

Lead Boost

The Lamb has a hidden Lead Boost feature, this can be useful for adding just a touch of output volume or adding a significant amount of output volume for lead lines or solos (will not affect your gain/breakup).

Double tap the Preset switch to auto engage the Lead Boost, once engaged the Preset LED will begin to flash indicating the Lead Boost is engaged. To exit the Lead Boost, simply press the Preset Switch.

The volume of the Lead Boost is user definable and can be changed/stored in permanent memory via the configuration menu at startup, see "Using the Pedal" for more info.