

ETHOS
Overdrive

User's Manual

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Note: Specifications are subject to change without notice

ETHOS *Overdrive* User's Manual

Rev -

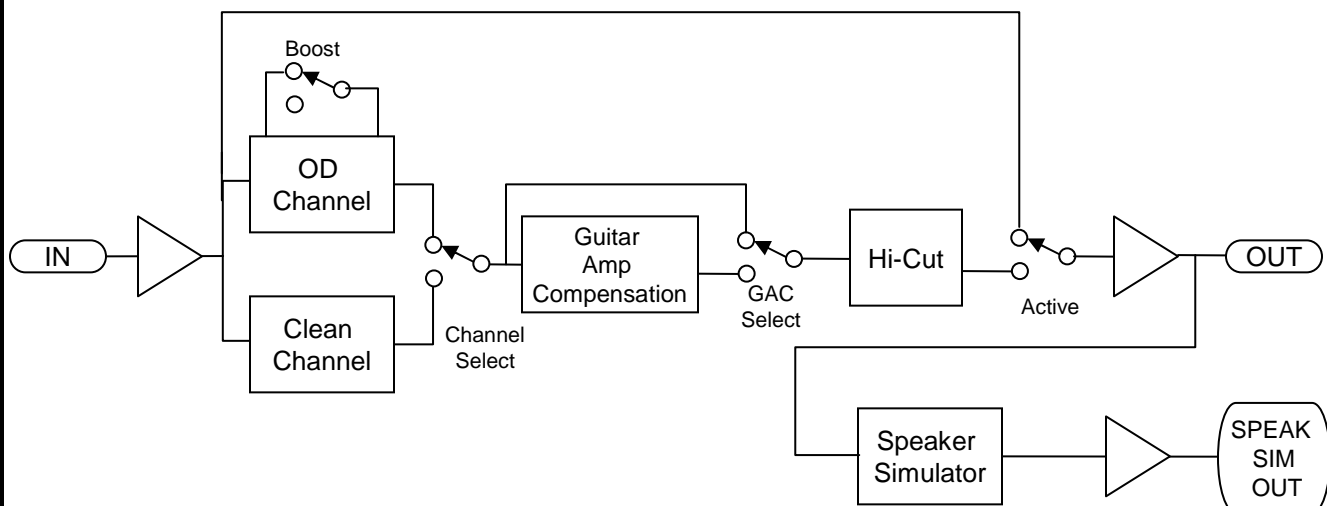
Overview:

The Ethos Overdrive was inspired by one of the most sought after boutique guitar amplifiers ever made. Extensive time and attention to detail were required to emulate the tone and responsiveness of this amplifier. The key to Ethos tone, is its ability to transition from clean to overdriven tones just by the articulation of the guitar pick or guitar volume control. The Ethos not only offers great tone and touch sensitivity, but also provides a high degree of flexibility in one compact package. The Ethos provides two independent channels with an integral boost function resulting in 3 different footswitch selectable sounds. The Ethos can operate in many working situations as well. It can be used as a guitar amp pedal, a DI interface for broad band systems (e.g. PA, studio, or PC) and a preamp that can feed a power amp/speaker combination.

Key Features:

- Dual Independent Channels with EQ
 - Overdrive
 - Clean
- Preamp Boost (OD Channel)
- Speaker Simulation Output
- Guitar Amp Compensation Circuit with Hi-Cut
- Tone Stack Toggles including:
 - Brite
 - Modern / Classic
 - Jazz/Rock
- Operates on a +9V battery or +12VDC Wall Adapter
- Buffered Inactive Mode Mitigates Loading Effects
- Compact Size packaged in a rugged die-cast aluminum chassis

Figure 1.
Ethos Overdrive Block Diagram



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Rev -

Specifications: (Refer to Figure 2.)

Feature	Description	Notes
IN Jack	1/4 Inch, 1Megohm Input Impedance,	Unit is powered when input plug is inserted
OUT Jack	1/4 Inch, 1kohm Source Impedance	Normal Out
SPK SIM OUT Jack	1/4 Inch, 1kohm Source Impedance	Speaker Simulator Output
Power Jack	+12 VDC, external power jack	Center Pin (-) , 2.1mm x 5.5mm, 500mA adapter recommended
Battery	Internal Battery = 9 VDC	Power consumption = 35mA
GAIN Control	Determines Gain Level of Preamp	
BRITE Switch	Activate HF Boost in Preamp	
MODERN / CLASSIC Switch	Modern Mode = 80's / 90's Tone Stack Classic = 70's Tone Stack	
JAZZ / ROCK Switch	Jazz = Hi-Fi Style Tone Stack Rock = Aggressive Mid-Range Tone Stack	
TREBLE Control	Controls Treble Response in Preamp Stage	
MIDDLE Control	Controls Midrange Response in Preamp Stage	
BASS Control	Controls Bass Response in Preamp Stage	
PRESENCE Control	Controls Hi-Frequency Response Post OD stage	
VOLUME Control	Controls Overall Output Volume of OD channel	Not applicable to Clean Channel
GAC Switch	Activates the guitar amp compensation circuit when placed in the up position	
HC Control	Hi-Cut control, Allows Hi-end adjustment for given applications	Turn CW to cut high frequencies
ACTIVE Footswitch	Selects effect indicated by annunciation of yellow LED	When inactive, input signal is buffered
BOOST Footswitch	Activates Boost mode in overdrive channel indicated by annunciation of red LED	
CHANNEL SELECT Footswitch	Selects between clean and overdrive channel indicated by annunciation of red LED for Overdrive and green LED for Clean	

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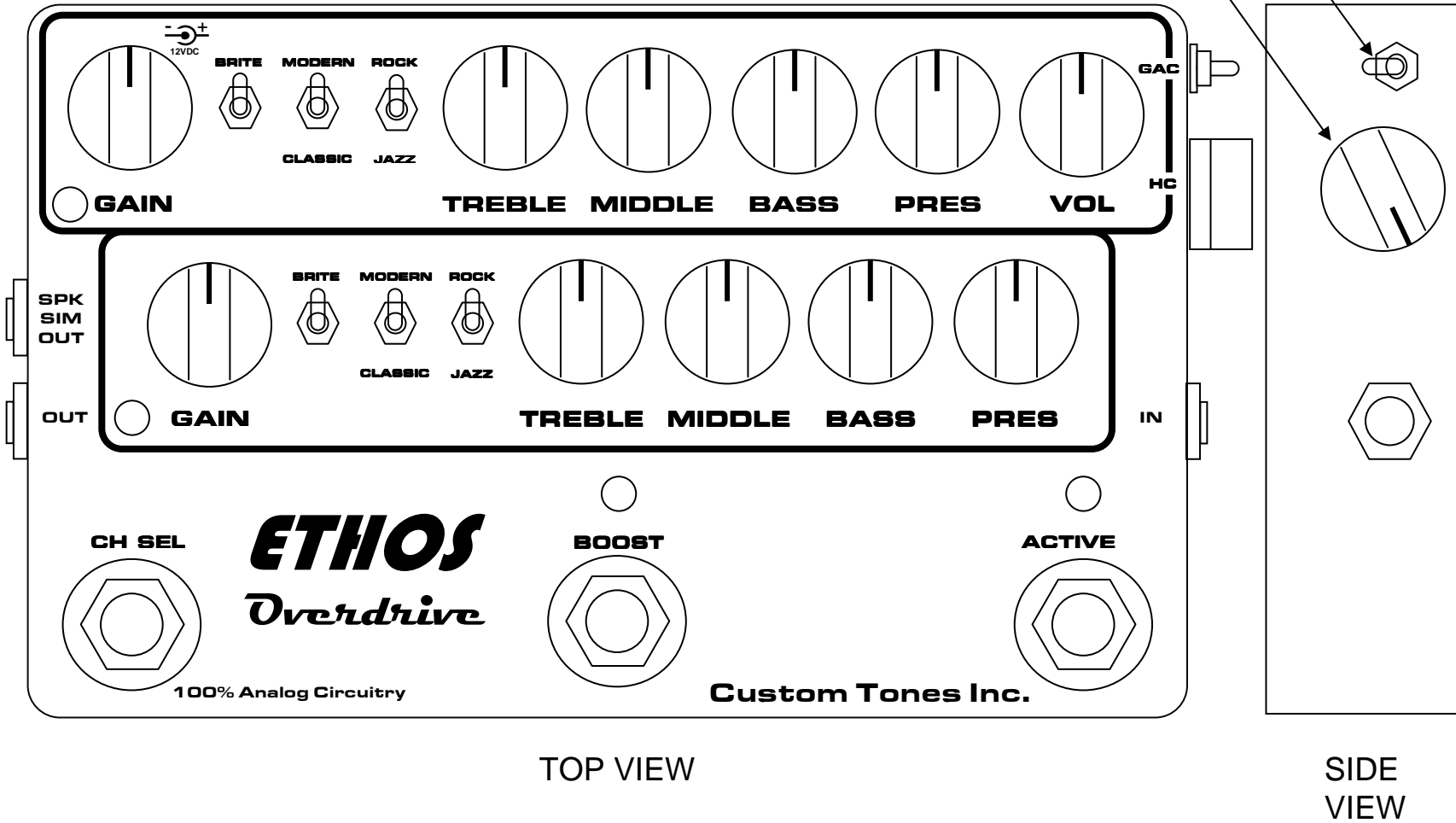


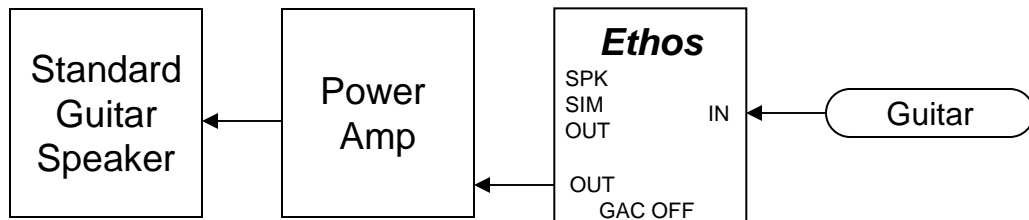
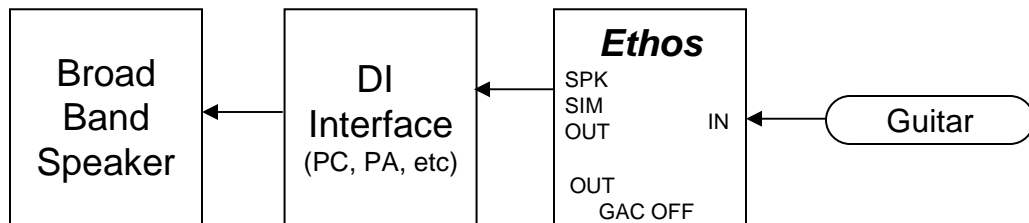
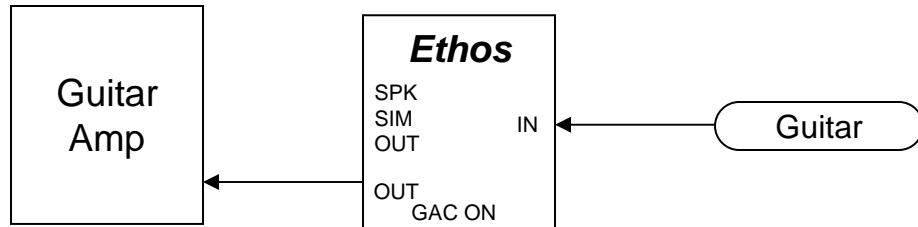
Figure 2. PEDAL LAYOUT

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Typical Applications:



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