

Demeter amplification

6990 Kingsbury Road | Templeton, CA 93465 | 805-461-4100 | <http://www.demeteramps.com/>



HBP-1 H Series Bass Pre-amplifier User's Guide

The H Series Bass Pre-amplifier by James Demeter uses the same all tube front end found in his classic VTBP-201S Bass Pre-amplifier and combines it with the revolutionary H Series circuitry found in his professional audio H Series line. This pre-amplifier provides the best of both the tube and solid state world. It features high voltage (250V) tube front end (providing all of the pre-amplifier gain and passive tone controls), a two band solid state fully Parametric Equalizer that is tuned for bass, a fully adjustable active effects loop with controls up front, a tuner output, a full balanced output with switchable microphone or line level, both a balanced TRS line level output and an unbalanced line level output for amplifier connections, and a mute switch. As with all Demeter equipment it is meticulously hand wired, using the finest components and assembled in the U.S.A.

CONTROLS AND FEATURES

INPUTS

Passive: is for passive basses or basses with lower output.

Active: is provided for basses with internal pre-amplifiers or basses with very high output.

TUBE PREAMPLIFIER

Volume: controls the output level for all outputs except the effects loop and tuner.

Treble: a passive 6 dB per octave shelving high frequency control. Boosts or cuts 10 dB. This control affects the 4 k to 20 k range.

Middle: a passive 6 dB per octave peaking mid frequency control. Boosts or cuts 10 dB. This control is centered at 1 kHz.

Bass: a passive 6 dB per octave shelving low frequency control. Boosts or cuts 10 dB. This control affects the 120 Hz to 10 Hz range.

Presence: an active 6 dB per octave shelving upper mid to high frequency control. Boosts in the 1 k to 20 k range. The flat setting for this control is the knob turned all the way to the left.

PARAMETRIC EQ

EQ Switch: switches in or out of circuit the parametric EQ.

Boost/Cut: controls the boost and cut of the parametric EQ plus or minus 12 dB.

Frequency Controls: continuously variable frequency selection for each bandwidth (low frequency or mid frequency). The number shows the center frequency.

Q or Width Control: controls how wide or narrow the affected frequency are. The most narrow setting is one half octave and the widest is four octaves around the center frequency.

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EFFECTS LOOP

Effects Loop Switch: this switch engages the the effects loop section of the preamplifier activating the jacks in the back and the controls in front. With nothing inserted in the jacks this switch will kill the signal.

Send Control: controls level leaving the send jacks of the preamplifier (the input jacks of your effect).

Return Control: controls the level returning to the preamplifier from your effects unit into the bass pre-amplifier.

Mute Switch: mutes all outputs except the tuner output.

REAR PANEL CONTROLS

Ground Lift Switch: This switch lifts the chassis ground from pin one of the XLR connector. This is used when hum and noise are present in this connection.

Level Switch: This switch changes the output level of the XLR from line level (+4 dB) to microphone (level -20 dB). The microphone level is used to input recording consoles microphone preamplifiers. The line level is for line level and power amp connections.

REAR PANEL OUTPUTS

Three Pin XLR: This output is a fully balanced. It is the output used for recording and for connecting to power amplifiers with XLR connections. It is affected by the switches on either side of it. Warning: do not connect this to mixers with 48+ volt phantom power: it will damage the preamplifier.

Balanced TRS Output: This output is a 1/4" TRS connector used for TRS input power amplifiers or any other TRS input device. This output has 6 dB more output than the unbalanced output in the balanced mode. If used in the unbalanced (ring grounded) mode this output is 3 dB louder than the unbalanced out.

Unbalance output: this output is designed for connection to power amplifiers or other devices with unbalanced inputs. It has 3 dB to 6 dB less output than the balanced output. Note: if for any reason there is damage done to the balanced output system (i.e. phantom power) this output will still work.

REAR PANEL EFFECTS LOOP

Send: this output connects to the input of your effects unit (compressor, delay etc.). The level controls for this output are on the front panel.

Return: this input is connected to the output of your effects unit. The level controls for this input are on the front panel.

Tuner output: This output is designed for connection to your tuner. It is not affected by the mute switch or the volume control of the preamplifier.