

# Demeter amplification

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



## VTBP-201S Tube Bass Preamplifier User's Guide

The classic VTBP-201 by James Demeter is now reborn in this new single space rack chassis. All of the sound and controls of the classic have been retained and some new features have been added. The VTBP-201S bass preamplifier continues the sonic excellence of its predecessor. It features a high voltage (270V fully regulated), all tube design providing all of the tube preamplifier gain and output drivers, classic passive tone controls, and a balanced microphone level Jensen transformer output for recording or house PA. Two unbalanced line level outputs 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:** For passive basses or basses with lower output.

**Active:** Provided for basses with internal preamplifiers or basses with a very high output. If both inputs are used, there is a circuit that mixes the inputs.

#### TUBE PREAMPLIFIER

**Bright Switch:** this boosts the high frequency at 6 dB per octave from 1 kHz. The total gain of the bright switch is dependent on the volume control setting (i.e. the lower the volume the greater the effect of the bright switch).

**Volume:** this controls the output level of all outputs except the effects loop and tuner.

**Treble:** a passive 6 dB per octave, shelving and high frequency control. Boost or cut of 10dB. This control effects the 4 k to 20 k range.

**Middle:** a passive 6 dB per octave peaking mid frequency control. Boost or cut of 10 dB. This control is centered at 600 Hz.

**Bass:** a passive 6 dB per octave, shelving, low frequency control. Boost or cut of 10 dB. This control effects the 120 Hz to 10 Hz range or the 240 to 20 Hz range depending on the EQ switch's setting.

**Presence:** an active 6 dB per octave, shelving upper-mid to high frequency control. Boost in the 2 to 20 k range. The flat setting for this control is the knob turned all the way to the left.

**Bass EQ Switch:** selects between the peak frequencies of 60 Hz and 120 Hz for the bass control.

**Presence Frequency Switch:** selects between the peak frequency of 2 kHz and 4 kHz for the presence control.

#### EFFECTS LOOP

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

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

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

**Mute Switch:** mutes all outputs except the flat setting on the Jensen balanced output and tuner output.

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### REAR PANEL CONTROLS

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

**EQ/Flat Switch:** switches between a flat tube buffered output and the main output of the preamplifier outputs.

### REAR PANEL OUTPUTS

**Three Pin XLR:** this output is fully balanced. It is the output used for recording and for connecting to PA consoles. It is affected by the switches on either side of it.

**Unbalance Output:** this output is designed for connection to power amplifiers or other devices.

### REAR PANEL EFFECTS LOOP

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

**Effects 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 volume control of the preamplifier.