

# **VTBP-201-800D BASS PRE/POWER AMP : USER GUIDE**

**by Demeter Amplification**

## The Demeter VTBP-201-800D Bass Pre/Power Amp:

Thank you for purchasing the VTBP-201-800D Bass Pre/Power Amp. This unit offers the same functionality of the classic VTBP-201S with the added benefit of an 800 Watt Class D Power Amplifier. All of the sound and controls of the classic have been retained and some new features have been added.

### Safety Precautions:

1. Do not use the unit in excessively moist environments.
2. Although not required, it is recommended to leave 1 rack space above the unit to allow for proper ventilation and to elongate the life of the tubes.
3. This unit is equipped with a grounding plug as a safety feature. Please do not remove the ground on the unit. If you are experiencing noise in the signal, try lifting the ground on the signal source.

### Package Contents:

This package should contain-

- VTBP-208-800D Bass Pre/Power Amp
- IEC Power Cable

### Warranty:

The VTBP-208-800D Bass Pre/Power Amp is covered for 1 year parts and labor.

### Preamp Specifications:

<b>Input Impedence</b>	> 1 M $\Omega$
<b>Output Impedence (preamp)</b>	< 2 K $\Omega$ balanced
<b>THD @ 0dB gain in</b>	.1%
<b>Frequency Response</b>	10Hz to 40kHz
<b>Signal to Noise Ratio</b>	>78 dB
<b>Minimum Load Impedence (preamp)</b>	10k ohms
<b>Power Supply</b>	270 V Fully Regulated
<b>Tubes</b>	12AX7 (preamp), 12AT7 (efx loop, power amp)
<b>Output Jacks (preamp)</b>	XLR, TRS
<b>Input Jacks</b>	1/4" TS
<b>Operating Voltage</b>	110 Volts or 240 Volts
<b>Dimensions</b>	17"x1.75"x10.5"

### Power Amp Specifications:

<b>Output Impedence (power amp)</b>	4 ohm, 8 ohm or 16 ohm (not 2 ohm)
<b>Output Jacks (power amp)</b>	1/4", Speakon
<b>Output Power (power amp)</b>	800 watt RMS @ 4 ohms, 500 watt RMS @ 8 ohms

## Front Panel Operation

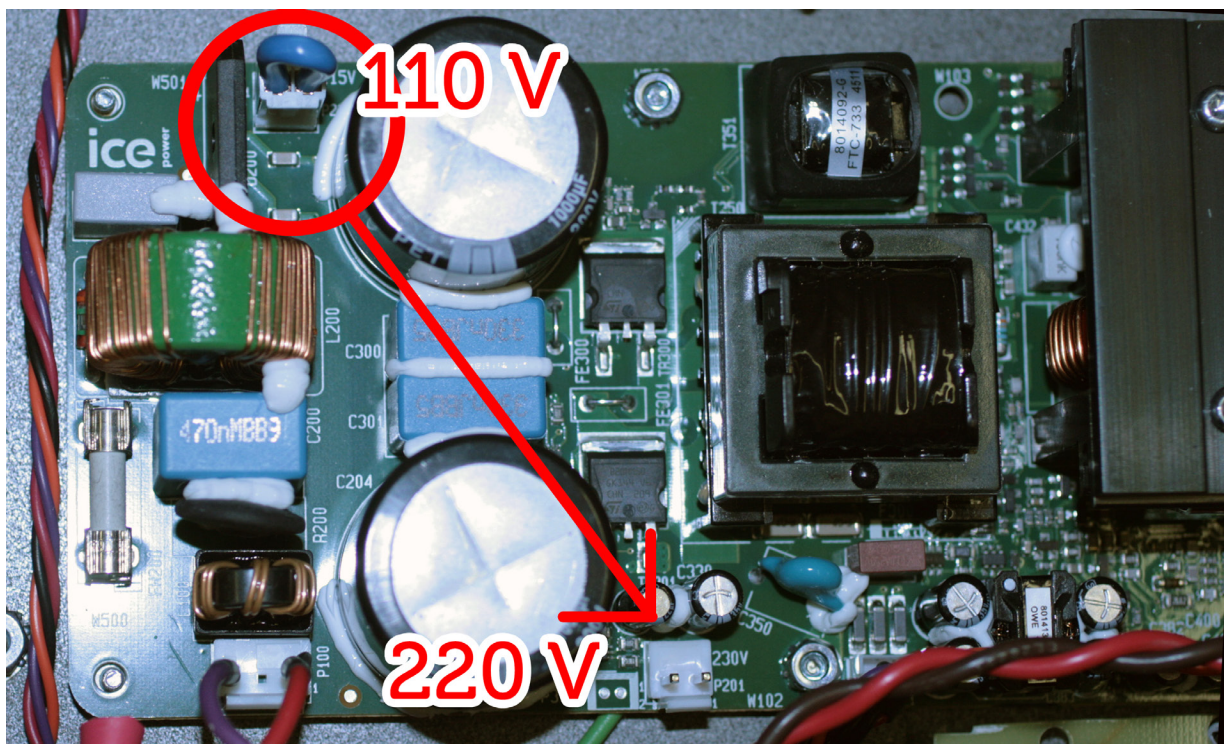


- **Inputs-Passive/Active:** The active input uses a 6dB pad to prevent clipping on the preamp.
- **Normal/Bright Switch :** Adds additional treble to the signal when activated.
- **Volume Knob :** Controls the drive of the preamplifier (also use to control your output level)
- **Treble Knob :** Adjusts the gain on a treble shelving eq.
- **Middle Knob:** Adjusts the gain on a mid-range shelving eq.
- **Bass Knob:** Adjusts the gain on a mid-range shelving eq.
- **Presence Knob:** Adjusts the gain on an upper treble shelving eq.
- **Bass Frequency:** Changes the shelving frequency on the Bass Knob
- **Presence Frequency:** Switches the presence shelving frequency between 2kHz & 4kHz.
- **Effects Loop In/Out:** Enables the effects loop (Output/Input located on rear of unit)
- **Effects Send:** Adjusts the output level from the unit to the effects unit.
- **Effects Return:** Adjusts the return level from the effects unit.
- **Mute In/Out:** Mutes the output signal from the unit. (Both pre & power amp)

## Rear Panel Operation



- **Unbalanced Line Outputs :** Outputs an unbalanced +4dB signal from the preamplifier.
- **Tuner Output :** Unbalanced 0dB output for a bass tuner.
- **Speakon Speaker Output :** Unbalanced speaker out (4 ohm minimum).
- **1/4" Speaker Output :** Unbalanced speaker out (4 ohm minimum).
- **Effects Loop Send/Return :** Outputs a line level signal for use in effects units. Return accepts line level.
- **Voltage Selector :** Switches between 120VAC/220VAC for international operation. INTERNAL JUMPER MUST ALSO BE SWITCHED! See next page for instructions on switching jumper.



### Voltage Selection:

- **Unplug the unit! Open the unit and locate the jumper switch, on the power amp section to the rear of the unit. Change the jumper over as illustrated in the photo above. Make sure the switch on the rear of the unit also has the correct voltage selected.**

### Troubleshooting:

- **No Sound :** Check cables & connections. Check to ensure there is no short on the speaker cable. If light is off, check the fuse on the power amp (Unplug before doing so). If still no sound, check to see if the preamp outputs operate. If everything is dead, try replacing the 12AX7 tube. If just the power amp is dead (and the fuse is good) try replacing the 12AT7 tube.
- **Overheating/No Sound :** If unit is shutting off and is extremely hot. Try opening the unit and cleaning with compressed air. The overheated power amp will reset within a minute.
- **Scratchy/Microphonic Sound:** Try replacing the 12AX7 tube, then the 12AT7

### Support:

Feel free to call or email us for additional support or product repairs. We are available M-F 11am-4pm Pacific Standard Time.

**Phone :** (805) 461-4100

**Email :** [support@demeteramps.com](mailto:support@demeteramps.com)

**Website :** [www.demeteramps.com](http://www.demeteramps.com)

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