

HBP-1-800D BASS PRE/POWER AMP : USER GUIDE

by Demeter Amplification

The Demeter HBP-1-800D Bass Pre/Power Amp:

Thank you for purchasing the HBP-1-800D Bass Pre/Power Amp. This unit offers the same functionality of the classic HBP-1 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-

- HBP-1-800D Bass Pre/Power Amp
- IEC Power Cable

Warranty:

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

Preamp Specifications:

Input Impedence	> 1 M Ω
Output Impedence (preamp)	< 2 K Ω balanced
THD @ 0dB gain in	.5%
Frequency Response	10Hz to 40kHz
Signal to Noise Ratio	>80 dB
Minimum Load Impedence (preamp)	600 ohms
Power Supply	270 V Fully Regulated
Tubes	12AX7 (preamp)
Output Jacks (preamp)	XLR, TRS
Input Jacks	1/4" TS
Operating Voltage	110 Volts or 240 Volts
Dimensions	17"x1.75"x10.5"

Power Amp Specifications:

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

Front Panel Operation

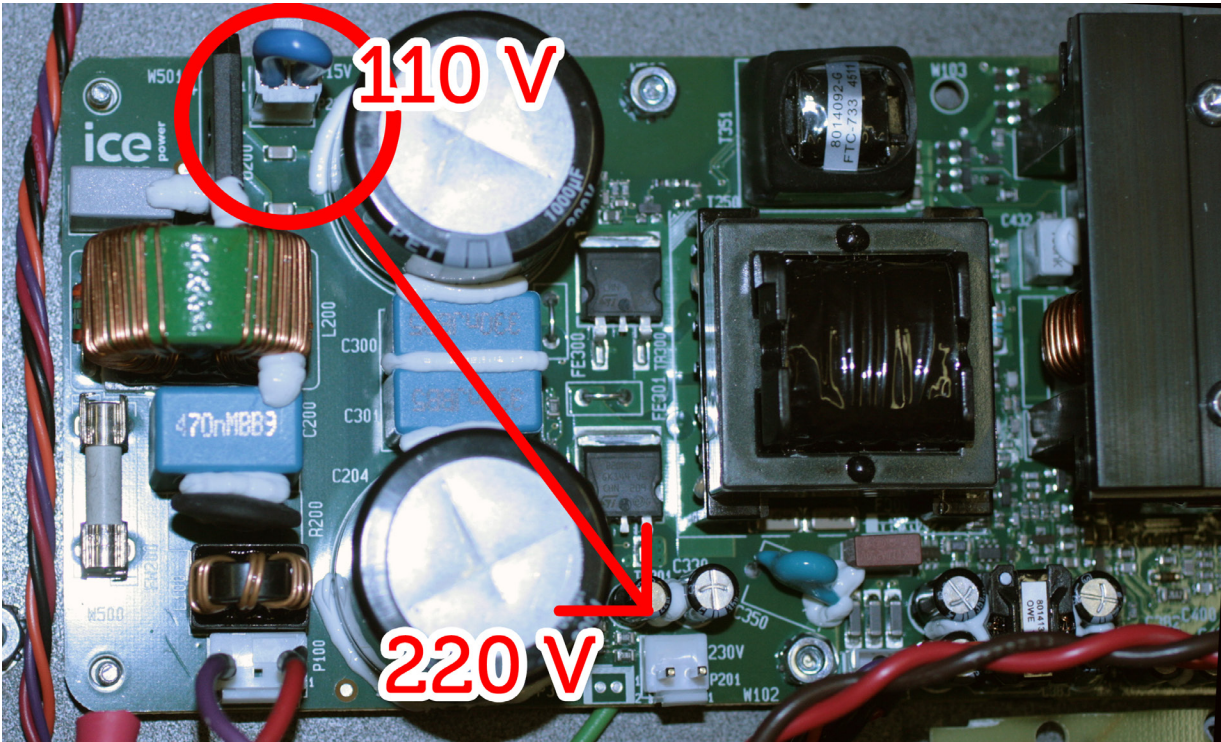


- **Inputs-Passive/Active:** The active input uses a 6dB pad to prevent clipping on the preamp.
- **Volume Knob :** Controls the drive of the preamplifier (also use to control your output level)
- **Treble Knob :** Adjusts the gain on a treble shelving eq.
- **Middle Knob:** Adjusts the gain on a mid-range shelving eq.
- **Bass Knob:** Adjusts the gain on a mid-range shelving eq.
- **Presence Knob:** Adjusts the gain on an upper treble shelving eq.
- **EQ In/Out :** Enables the parametric equalizer.
- **Low Frequency Gain:** Changes the gain on the low frequency equalization band.
- **Low Frequency Q:** Changes the bandwidth of the low frequency equalization band.
- **Mid Frequency Gain:** Changes the gain on the midrange frequency equalization band.
- **Mid Frequency Q:** Changes the bandwidth of the midrange frequency equalization band.
- **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



- **Ground/Lift Switch :** Lifts the ground on the output signal. Try lifting the ground if you experience noise.
- **Balanced XLR Output :** Outputs a selectable line/mic level balanced output.
- **Line/Mic Level :** Switches the output between line and mic level on the XLR Output.
- **Balanced Line Output :** Outputs an balanced +4dB signal from the preamplifier.
- **Unbalanced Line Output :** Outputs an unbalanced +4dB signal from the preamplifier.
- **Effects Loop Send/Return :** Outputs a line level signal for use in effects units. Return accepts line level.
- **Tuner Output :** Unbalanced 0dB output for a bass tuner.
- **1/4" Speaker Output :** Unbalanced speaker out (4 ohm minimum).
- **Speakon Speaker Output :** Unbalanced speaker out (4 ohm minimum).
- **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.
- **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.

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

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