

## **HB2**

### **Application:**

Headphone Amplifier with Stereo/Mono line input and Mono Instrument input  
Wired in-ear stage monitor  
Headphone amplifier for instruments  
Boosts power of existing Headphone outputs  
Headphone output for equipment with line outputs only

### **Description:**

The HB2 is a versatile headphone amplifier with applications both on and off stage. On stage, a drummer or keyboard player can use the HB2 connected to monitor output(s) from the mix console to drive in ear monitors or headphones. The HB2's built in limiter can be set to protect your hearing. For more flexibility, the second input to the HB2 can be used for a local output from an electronic drum kit, guitar or keyboard. Separate controls for both inputs allow the user to control their own balance.

After the gig, the HB2 makes a compact practice amplifier. Connect your instruments and a MP3 or CD player and you can practice without disturbing others. The limiter can be used for hearing protection or simply to compress the dynamic range.

The Stereo/Mono switch allows the stereo inputs to be connected to a mono source using a standard mono ¼" plug. Up to 4 pairs of stereo headphone with a 32-Ohm or greater rating can be connected to the HB2 using the appropriate headphone Y-cord splitters.

### **Features:**

Mono Instrument input  
¼" and 3.5 mm Stereo inputs  
Stereo or Mono Operation  
Powerful headphone output  
Adjustable limiter for hearing protection  
¼" thru connection for connecting additional HB2s to one line source

### **Connections and Controls:**

¼" Instrument Input (High Impedance)  
¼" Stereo Line (connected in parallel with thru and 3.5 mm stereo line input)  
¼" Stereo thru (connected in parallel with ¼" and 3.5 mm stereo line inputs)  
3.5 mm Stereo line (connected in parallel with ¼" stereo line input and thru)  
¼" stereo headphone jack  
3.5 mm stereo headphone jack  
Stereo/Mono line input switch  
Stereo input level control  
Instrument level control  
Limiter threshold control  
Limit LED  
Power LED  
15VDC Input

## Specifications

Frequency Response:

20 Hz to 20 kHz +0 / -1 dB

Output Power:

550 mW per channel into 32 Ohms (Both Channels Driven)

900 mW per channel into 16 Ohms (Both Channels Driven)

Minimum Load:

8 Ohms

Limiter Range:

Off to 0.16 mW (ref 32 Ohm load)

Off to 0.3 mW (ref 16 Ohm load)

Input Impedance:

Line Input > 10k Ohms

Instrument Input > 220k Ohms

Hum and Noise:

< 91 dB below rated output

Power Supply:

Peavey Electronics 30901986

15 VDC @ 1 Amp

Dimensions:

1.6 x 4 x 4 inches

41 x 104 x 104 mm (H x W x D)

Weight:

10 Ounces

0.29 kg