

BALANCED HEADPHONE AMPLIFIER

**BHA-1**  
*fuel for the senses*



### **BHA-1 BALANCED HEADPHONE AMPLIFIER**

Advancing our tradition of unmatched audio performance and functionality, the BHA-1 is Bryston's reference amplifier solution for the finest listening experience from your headphones. The BHA 1 is compatible with both traditional (single-ended) and balanced headphones.

The advantage of powering each headphone driver (right and left) with two amplifiers configured in balanced or series mode is a doubling of the signal voltage to each speaker. This design configuration has been the foundation of Bryston's legendary 7B, 14B and 28B amplifiers and now headphone users can experience the same dramatic resolution from

the BHA-1. The Bryston BHA-1 employs the vast benefits of balanced amplifier designs that are inherently clean and stable especially when there is a demand for higher power and/or a difficult load to drive.

Because most headphones are not balanced devices, Bryston provides a traditional (unbalanced) 1/4-inch input on the BHA-1 as well as inputs for balanced headphones. Bryston will also provide modifications to some headphone models to make them compatible with a balanced output configuration, along with an adapter cable assuring backwards compatibility to all traditional (unbalanced) headphone outputs.

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# PRECISION HIGH-RESOLUTION AUDIO HEADPHONE PLAYBACK



## PRODUCT FEATURES:

- Balanced Dual mono circuitry
- High Quality Noble Stereo Volume control
  - laser trimmed
- Left/Right Balance Control
- 6 Fully discrete Class A Bryston operational amplifiers
- Balanced outputs – 4 pin stereo and dual left/right 3 pin outputs
- Stereo ¼ inch single ended outputs
- 14dB or 20dB of selectable gain available
- All input and output connectors are Gold plated
- 10k input impedance
- Multiple headphone drive capability

## POWER OPTIONS:

- Standard: high quality Bryston internal analog power supply
- Optional: MPS-2 power supply also available (replaces internal supply).



## BRYSTON BHA-1 HEADPHONE AMP SPECIFICATIONS

### HARMONIC DISTORTION:

Less than .003 at 32 ohms at 100mW 20Hz to 20KHz.

### IM DISTORTION:

Less than 001%

### SIGNAL TO NOISE:

Greater than 105dB

### FREQUENCY RESPONSE:

20 to 20KHz plus or minus .1dB

### WEIGHT

8lbs (3.6 kg)

### DIMENSIONS:

(H) - 3.125 inches x (W) 17 or  
19 inches x (D) 11.25 inches

**HI-Z LOAD:** 20 Volts into 600 ohms  
(667mW) at 001% THD + N at 20-20K

### LOW-Z LOAD:

4 volts into 32 ohms (500 mW) at 001%  
THD + N at 20-20K

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