

**RB-HD2 Dual Stereo Headphone Amplifier**

The RB-HD2 is a high performance 2-way stereo headphone distribution amplifier for driving up to 2 pairs of professional stereo headphones from a single stereo or mono input. A switch on the rear panel enables the distribution of a mono signal to all four outputs (i.e. both earpieces of a pair of stereo headphones) via the left channel input. The stereo/mono switch is located on the rear panel to prevent accidental knocking.

The XLR-3 inputs are electronically balanced and can be wired unbalanced. There are two pre-set controls on the rear panel that adjust the level of the master input signal to the outputs.

Each output is on a 1/4" stereo jack socket and is designed to drive 150mW into 32 ohm to 600 ohm stereo headphones. The outputs are individually buffered with their own front panel volume control. A LED power indicator on the front panel displays the power supply connection.



**Audio Specification For RB-HD2**

Input Impedance: >20kΩ balanced bridging (main)  
 Max Input Level: +28dBu  
 Input Gain Range: -12dB to +20dB gain (pre-set pots).  
 Output Level: Drives 150mW into 32Ω to 600Ω headphones  
 Volume Controls: -80dB to +11dB gain

**Connections**

Main Stereo Input: 2 x XLR 3 pin female (balanced, can be unbalanced)  
 Outputs: 2 x 1/4" (6.35mm) A/B-gauge 3-pole stereo jack sockets  
 Mains Input: Filtered IEC, switchable 110-120V, or 220-240V, fused, 9W max

**Equipment Type**

RB-HD2: Dual stereo headphone amplifier

**Physical Specification**

Weight: Nett: 1.35kg Gross: 2.0kg  
 Dimensions (Raw): 48cm (W) x 10.8cm (D) x 4.2cm (H)(1U)  
 (Boxed): 53cm (W) x 20.5cm (D) x 6cm (H)

**Redbox - Headphone Distribution Amplifiers**