

**SONIFEX**

**Redbox RB-HD1 & RB-HD2**  
Stereo Headphone Amplifiers

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catalogue



Manufacturers of audio & video products  
for radio & TV broadcasters

## RB-HD1 Stereo Headphone Amplifier With VCA Volume Control

The RB-HD1 is a 1U rack-mount stereo headphone amplifier for driving up to two pairs of professional stereo headphones from a single stereo or mono input. One headphone socket is on the front panel with one on the rear.

The main stereo input uses electronically balanced XLR-3 connectors on the rear panel, which can be wired un-balanced. The output volume for the headphones can be controlled either by a pot situated on the front panel or a VCA signal supplied

externally via the remote connector. A mono input can be mixed into the main headphone feed, for example, for mixing in talkback to the headphones. This has an input level control via a recessed adjustable potentiometer. The mono mix input can also be controlled remotely. A stereo/mono switch is recessed on the rear panel to prevent accidental knocking. With mono selected, audio is sent to both left and right ear pieces. A LED power indicator on the front panel displays the power supply connection.

### Audio Specification For RB-HD1

Input Impedance:	>20kΩ balanced bridging (main)
Output Level:	Drives 150mW into 32Ω to 600Ω headphones
Mono Mix Input Gain Range:	22dBu
Max Input Level:	+28dBu
Volume Control:	-80dB to +11dB gain

### Connections

Main Stereo Input:	2 x XLR 3 pin female (balanced, can be unbalanced)
Mono Mix Input:	1 x XLR 3 pin female (balanced, can be unbalanced)
Outputs:	2 x 1/4" (6.35mm) A-gauge 3-pole stereo jack sockets
Remote Control:	9-pin D-type socket
Mains Input:	Filtered IEC, switchable 110-120V, or 220-240V, fused, 9W max
Fuse Rating:	Anti-surge fuse 100mA 20 x 5mm (230VAC) Anti-surge fuse 250mA 20 x 5mm (115VAC)

### Equipment Type

RB-HD1: Stereo headphone amplifier

### Physical Specification

Dimensions (Raw):	48cm (W) x 10.8cm (D) x 4.2cm (H) (1U) 19" (W) x 4.3" (D) x 1.7" (H) (1U)
Dimensions (Boxed):	58.5cm (W) x 22.5cm (D) x 7cm (H) 23" (W) x 8.9" (D) x 2.8" (H)
Weight:	Nett: 1.35kg Gross: 2.0kg Nett: 3lbs Gross: 4.4lbs



## 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-gauge 3-pole stereo jack sockets
Mains Input:	Filtered IEC, switchable 110-120V, or 220-240V, fused, 9W max
Fuse Rating:	Anti-surge fuse 100mA 20 x 5mm (230VAC) Anti-surge fuse 250mA 20 x 5mm (115VAC)

### Equipment Type

RB-HD2: Dual stereo headphone amplifier

### Physical Specification

Dimensions (Raw):	48cm (W) x 10.8cm (D) x 4.2cm (H) (1U) 19" (W) x 4.3" (D) x 1.7" (H) (1U)
Dimensions (Boxed):	58.5cm (W) x 22.5cm (D) x 7cm (H) 23" (W) x 8.9" (D) x 2.8" (H)
Weight:	Nett: 1.35kg Gross: 2.0kg Nett: 3lbs Gross: 4.4lbs



Headphone Distribution Amplifiers



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