

SONIFEX
Redbox

AUDIO INTERFACES

Redbox - Headphone Distribution Amplifiers

RB-HD1 Stereo Headphone Amplifier

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

Connections

Main Stereo Inputs:	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 ¼" (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)
Dimensions (Boxed):	19" (W) x 4.3" (D) x 1.7" (H) (1U)
Weight:	53cm (W) x 20.5cm (D) x 6cm (Boxed): 21" (W) x 8" (D) x 2.4"
	Nett: 1.35kg Gross: 2.0kg Nett: 3lbs Gross: 4.4lbs



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