

Redbox - Headphone Distribution Amplifiers

RB-HD6 6 Way Stereo Headphone Distribution Amplifier



// A 1U rack-mount which distributes stereo audio to up to 6 different sets of headphones, or can be used as 6 independent headphone amplifiers, each with their own input and volume control. //

The RB-HD6 headphone distribution amplifier is a 1U rack-mount which distributes stereo audio to up to 6 different sets of headphones, or can be used as 6 independent headphone amplifiers, each with their own input and volume control. A typical application might be to provide common headphone feeds for guests in a radio studio, with a separately derived feed, perhaps including talk-back, for the presenter.

The main stereo input is on XLR-3 connectors on the rear panel which are electronically balanced and can be wired unbalanced. A stereo/mono input select switch on the rear panel sums left and right outputs to provide a mono feed to the headphones. The unit can receive an override audio signal via a jack socket for each output channel. Plugging in the jack plug will divert the headphone output from the master audio signal to the audio present on the jack plug. The override audio inputs can also be individually configured as parallel outputs of the front sockets, by setting internal jumpers.

The master volume control adjusts overall level of the 6 outputs and does not affect the level of channels using the override inputs. The master volume can be disabled by internal jumpers.

Audio Specification For RB-HD6

Input Impedance:	>20k balanced bridging, >10k unbalanced override
Output Level:	Drives 150mW into 32 to 600 headphones
Individual Volume Control:	-60dB to +18dB gain
Max Input Level:	+28dBu
Override Inputs:	+3dBu for full volume at +18dB gain
Master Vol Control:	±10dB gain
Connections	
Main Stereo Inputs:	2 x XLR 3 pin female (balanced, can be unbalanced)
Insert Inputs/Parallel Outputs:	6 x ¼" (6.35mm) A-gauge 3-pole stereo jack sockets (unbalanced)
Outputs:	6 x ¼" (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-HD6:	6 way stereo headphone distribution 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):	53cm (W) x 20.5cm (D) x 6cm (H) 21" (W) x 8" (D) x 2.4" (H)
Weight:	Nett: 1.35kg Gross: 2.0kg Nett: 3lbs Gross: 4.4lbs



SONIFEX

www.sonifex.co.uk

t:+44 (0)1933 650 700

f:+44 (0)1933 650 726

sales@sonifex.co.uk

61 Station Road
Irthlingborough
Northants NN9 5QE
United Kingdom

