

# SONIFEX

Redbox RB-HD6  
6 Way Headphone Distribution Amplifier

2014-15  
Catalogue





## RB-HD6 6 Way Stereo Headphone Distribution Amplifier

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, allowing the unit to act as 6 single independent headphone amps. 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

**Category:** Headphone Distribution Amplifiers.

**Product Function:** Distributes a stereo line level signal to 6 x headphone outputs.  
**Typical Applications:** Provides multiple guest headphone outputs in a radio studio.  
**Features:** Individual & master volume controls, insert jacks on each output, paralleled outputs and mono/stereo switch.

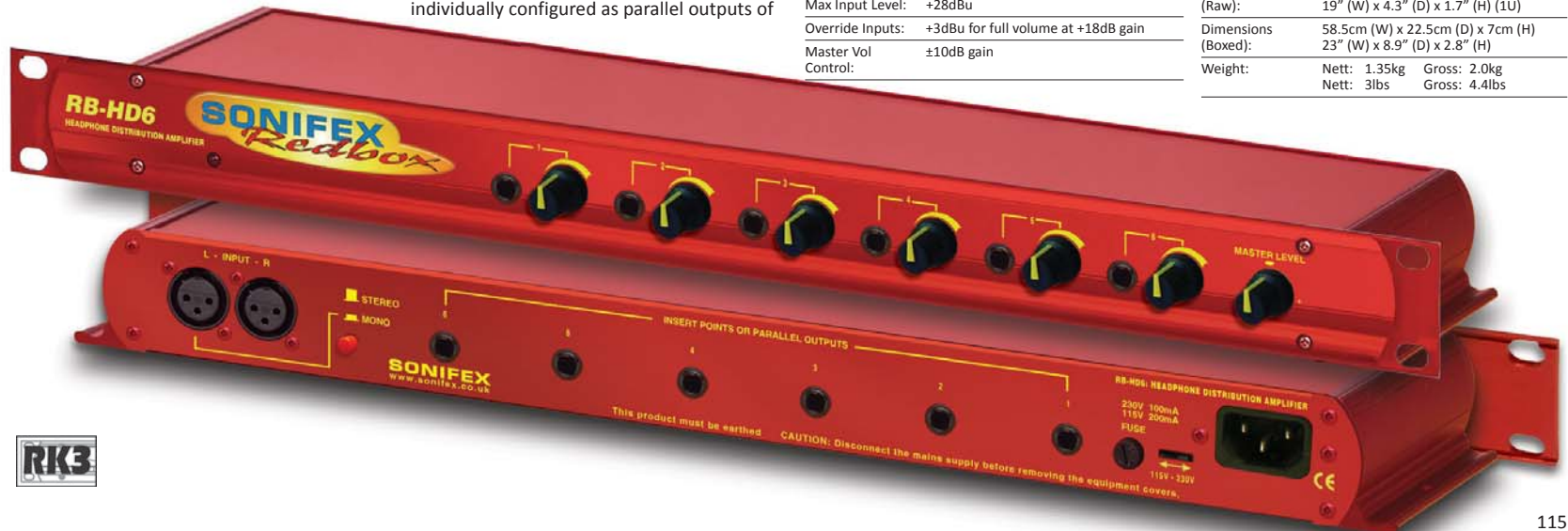
the front sockets, by setting internal jumpers.

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.

### Specification For RB-HD6

Audio Specification	
Input Impedance:	>20kΩ balanced bridging, >10kΩ unbalanced override
Output Level:	Drives 150mW into 32Ω to 600Ω 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):	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



# **SONIFEX**

[www.sonifex.co.uk](http://www.sonifex.co.uk)

---

**UK Office:**

**Sonifex Ltd**

61 Station Road, Irthlingborough,

Northants, NN9 5QE, UK

Tel: +44 (0) 1933 650700

Fax: +44 (0) 1933 650726

Email: [sales@sonifex.co.uk](mailto:sales@sonifex.co.uk)

**Australian Office:**

**Sonifex Pty Ltd**

Unit 12/6 Leighton Place, Hornsby,

New South Wales 2077, Australia

Tel: +61 (2) 9987 0499

Fax: +61 (2) 9476 4950

Email: [sales@innescorp.com.au](mailto:sales@innescorp.com.au)