

SONIFEX

Redbox RB-DA6R

6 Way Stereo Distribution Amplifier With RJ45 Connectors

Redbox RB-DA6RG

6 Way Stereo Distribution Amplifier With RJ45 Connectors
& Output Gain Control

2014-15

Catalogue





RB-DA6R 6 Way Stereo Distribution Amplifier With RJ45 Connectors



Category: Audio Distribution Amplifier.

Product Function: Audio distribution to multiple destinations over CAT5 cabling.

Typical Applications: Distribute line levels signals to multiple reporters in a broadcast centre, distribute main programme output from a mixer to

other studios using a pre-wired CAT5 infrastructure, create multiple feeds of a recorded signal.

Features:

- Input level adjustment (RB-DA6R).
- Individual output gain adjustment for each channel (RB-DA6RG).
- Mono/stereo switch.
- Multiple input connections.
- Fast wiring using RJ45 connectors and Cat 5 cabling

The RB-DA6R is a 1U rack-mount high performance 6 way stereo distribution amplifier for splitting a source into a number of different outputs. The amplifier provides multiple balanced audio outputs using RJ45 connectors wired to the StudioHub+™ standard *.

By using RJ45 outputs, it allows simpler CAT5 cabling to be used to connect the amplifier to other products.

The RB-DA6R has one stereo input which is switchable via a rear panel push switch between paralleled balanced inputs (2 x XLR sockets or 1 x stereo input on RJ45) and unbalanced inputs (1 pair of stereo phono sockets).

The unit has 6 stereo outputs on 6 x RJ45 connectors. The unit can also be configured so that 1 mono input can be distributed to 12 outputs by use of a switch which is recessed on the front panel to prevent it being accidentally knocked.

The inputs and outputs are electronically balanced and can be wired unbalanced. Each output is individually buffered so that a short circuit on one output won't affect the others. The left and right input gain controls (normalising) are pre-set potentiometers accessible through the front panel.

The output gain may be varied from -8dB to 18dB which is useful for normalising consumer and professional signals to give outputs of -15dBu and 0dBu respectively.



* StudioHub+™ is a registered trademark of Radio Systems Inc



RB-DA6RG 6 Way Stereo Distribution Amplifier With RJ45 Connectors & Output Gain Control



The RB-DA6RG is a 1U rack-mount high performance 6 way stereo distribution amplifier for splitting a source into a number of different outputs.

It is identical to the RB-DA6R with the addition of individual output gain adjustment, instead of global stereo gain adjustment.

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Specification For RB-DA6R & RB-DA6RG

Audio Specification

Maximum Input Level:	+28dBu
Maximum Output Level:	+28dBu
Frequency Response:	20Hz to 20kHz ±0.1dB (600Ω load, ref 1kHz)
Gain Range (RB-DA6R):	Adjustable 8dB loss to 18dB gain (L & R adjust)
Gain Range (RB-DA6RG):	Adjustable 8dB loss to 18dB gain (12 adjustable pots)
Common Mode Rejection:	>66dB typically
Input impedance:	>20kΩ bridging (balanced) >10kΩ (unbalanced)

Output impedance:	<50Ω
Distortion:	0.01% THD @ 1kHz, ref +8dBu output
Noise:	-100dB unity gain, ref +8dBu output
Connections	
Inputs:	2 x XLR 3 pin female, 1 x RJ45 socket (balanced) 2 x phono sockets (unbalanced)
Outputs:	6 x RJ45 sockets (all balanced, can be unbalanced)
Mains Input:	Filtered IEC, switchable 110-120V, or 220-240V, fused, 6W max
Fuse Rating:	Anti-surge fuse 100mA 20 x 5mm (230VAC) Anti-surge fuse 250mA 20 x 5mm (115VAC)

Equipment Type

RB-DA6R:	6 way stereo distribution amplifier with RJ45 connectors
RB-DA6RG:	6 way stereo distribution amplifier with RJ45 connectors & output gain control

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: 1.3kg Gross: 1.9kg Nett: 2.9lbs Gross: 4.2lbs

Accessories

RB-RK3:	1U Rear panel rack kit for large Redboxes
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SONIFEX

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