

# SONIFEX

Redbox RB-DA6G

6 Way Stereo Distribution Amplifier With Output Gain Control

Redbox RB-DA6P

6 Way Stereo Distribution Amplifier With Phoenix Connectors

2014-15

# Catalogue





## RB-DA6G 6 Way Stereo Distribution Amplifier With Output Gain Control



**Typical Applications:** Distribute line level signals to multiple reporters in a broadcast centre, distribute main programme output from a mixer to other studios, create multiple feeds of a recorded signal at different output levels.

**Category:** Audio Distribution Amplifiers.  
**Product Function:** Audio distribution to multiple destinations.

**Features:** Output level adjustment, mono/stereo switch, Neutrik XLR audio connectors.

The RB-DA6G 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-DA6 with the addition of individual output gain adjustment, instead of global stereo gain adjustment.

### Specification For RB-DA6G

#### Audio Specification

|                        |  |
|------------------------|--|
| Maximum Input Level:   | +28dBu   |
| Maximum Output Level:  | +28dBu   |
| Frequency Response:    | 20Hz to 20kHz $\pm 0.1$ dB (600 $\Omega$ load, ref 1kHz) |
| Gain Range:            | Adjustable 8dB loss to 18dB gain (12 adjustable pots)    |
| Common Mode Rejection: | >66dB typically  |
| Input impedance:       | >20k $\Omega$ bridging                                   |

|                               |  |
|-------------------------------|--|
| Output impedance:             | <50 $\Omega$   |
| Distortion:                   | 0.01% THD @ 1kHz, ref +8dBu output   |
| Noise:                        | -88dB unity gain, ref +8dBu output   |
| <b>Connections</b>            |  |
| Inputs:                       | 2 x XLR 3 pin female (balanced, can be unbalanced)                                 |
| Outputs:                      | 12 x XLR 3 pin male (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)<br>Anti-surge fuse 250mA 20 x 5mm (115VAC) |
| <b>Equipment Type</b>         |  |
| RB-DA6G:                      | 6 way stereo distribution amplifier with output gain control                       |
| <b>Physical Specification</b> |  |
| Dimensions (Raw):             | 48cm (W) x 10.8cm (D) x 4.2cm (H) (1U)<br>19" (W) x 4.3" (D) x 1.7" (H) (1U)       |
| Dimensions (Boxed):           | 58.5cm (W) x 22.5cm (D) x 7cm (H)<br>23" (W) x 8.9" (D) x 2.8" (H)                 |
| Weight:                       | Nett: 1.3kg Gross: 1.9kg<br>Nett: 2.9lbs Gross: 4.2lbs                             |





## RB-DA6P 6 Way Stereo Distribution Amplifier With Phoenix Connectors

The RB-DA6P is a version of the RB-DA6 audio distribution amplifier which uses Neutrik Phoenix style connectors instead of XLR inputs and outputs. Each unit is shipped with the mating connectors so that wires can be simply terminated using a small flat-blade screwdriver.

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.



**Category:** Audio Distribution Amplifiers.  
**Product Function:** Audio distribution to multiple destinations.

**Typical Applications:** Distribute line level signals to multiple reporters in a broadcast centre, distribute main programme output from a mixer to other studios.

**Features:** Input level adjustment, mono/stereo switch, Neutrik Phoenix style audio connectors.

### Specification For RB-DA6P

| Audio Specification    |  |
|------------------------|--|
| Maximum Input Level:   | +28dBu   |
| Maximum Output Level:  | +28dBu   |
| Frequency Response:    | 20Hz to 20kHz $\pm 0.1$ dB (600 $\Omega$ load, ref 1kHz) |
| Gain Range:            | Adjustable 8dB loss to 18dB gain (L & R adjust)          |
| Common Mode Rejection: | >66dB typically  |
| Input impedance:       | >20k $\Omega$ bridging                                   |
| Output impedance:      | <50 $\Omega$   |
| Distortion:            | 0.01% THD @ 1kHz, ref +8dBu output                       |
| Noise:                 | -100dB unity gain, ref +8dBu output                      |

### Connections

|              |  |
|--------------|--|
| Inputs:      | 2 x Phoenix 3 pin (balanced, can be unbalanced)                                    |
| Outputs:     | 12 x Phoenix 3 pin (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)<br>Anti-surge fuse 250mA 20 x 5mm (115VAC) |

### Equipment Type

RB-DA6P: 6 way stereo distribution amplifier with Phoenix connectors

### Physical Specification

|                     |  |
|---------------------|--|
| Dimensions (Raw):   | 48cm (W) x 10.8cm (D) x 4.2cm (H) (1U)<br>19" (W) x 4.3" (D) x 1.7" (H) (1U) |
| Dimensions (Boxed): | 58.5cm (W) x 22.5cm (D) x 7cm (H)<br>23" (W) x 8.9" (D) x 2.8" (H)           |
| Weight:             | Nett: 1.3kg Gross: 1.9kg<br>Nett: 2.9lbs Gross: 4.2lbs                       |



# **SONIFEX**

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

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**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**

12/6 Leighton Place,

Hornsby NSW 2077, Australia

Tel: +61 (2) 9987 0499

Fax: +61 (2) 9476 4950

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