

SONIFEX

Manufacturers of Audio & Video
Products For Radio & TV Broadcasters

Redbox RB-DA6P
September 2010



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Redbox - Audio Distribution Amplifiers

RB-DA6P**6 Way Stereo Distribution Amplifier With Phoenix Connectors****Audio Specification For RB-DA6P**

Maximum Input Level:	+28dBu
Maximum Output Level:	+28dBu
Frequency Response:	20Hz to 20kHz ± 0.1 dB (600 Ω load, ref 1kHz)
Gain Range:	Adjustable 8dB loss to 18dB gain (L & R adjust)
Common Mode Rejection:	>66dB typically
Input impedance:	>20k Ω bridging
Output impedance:	<50 Ω
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) Anti-surge fuse 250mA 20 x 5mm (115VAC)

Equipment Type

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

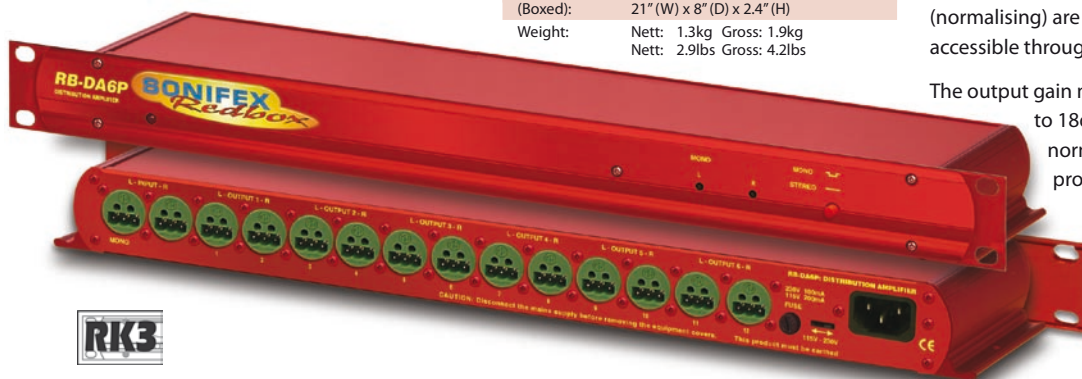
Dimensions (Raw):	48cm (W) x 10.8cm (D) x 4.2cm (H) (1U) 19" (W) x 4.3" (D) x 1.7" (H) (1U)
Dimensions (Boxed):	53cm (W) x 20.5cm (D) x 6cm (H) 21" (W) x 8" (D) x 2.4" (H)
Weight:	Nett: 1.3kg Gross: 1.9kg Nett: 2.9lbs Gross: 4.2lbs

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.



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