SONIFEX

Redbox RB-DA24MD

24 Way Mono Audio Distribution Amplifier

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Manufacturers of audio & video products for radio & TV broadcasters

RB-DA24MD

24 Way Mono Audio Distribution Amplifier

The RB-DA24MD is a 1U rack mount high performance 24 way audio distribution amplifier. It has 2 inputs which can be each individually routed to 12 outputs, or mixed and routed to all 24 outputs. The inputs can be configured as either dual mono, input 1 routed to outputs 1-12 and input 2 routed to outputs 13-24, or mixed-mono, inputs 1 and 2 mixed at a pre-set level and routed to all 24 outputs. When set to mixed-mono operation there are 3 different output mix level modes, enabled by altering internal jumpers, providing -6dB, -3dB or 0dB adjustment of the output.

The XLR inputs and D-type outputs are electronically balanced and can be wired unbalanced. Each output is individually buffered so that a short circuit on one won't affect the others. Each output is also protected against connection to both POE (power over Ethernet) and phantom power circuits.

The RB-DA24MD has master gain controls for both input 1 and input 2 which are pre-set potentiometers accessible through the rear panel. These controls allow the gain to be adjusted from -15dB to +15dB, useful for normalising consumer to professional signals and vice versa. An LED power indicator on the front panel shows that the unit is powered.

A 125Hz 6dB per octave roll off filter is activated by a push switch on the rear panel. When selected the filter is the applied to both inputs.

RB-DA24MD Technical Specification	
Audio Specification	
Input impedance:	>20kΩ bridging (balanced)
Output impedance:	<50Ω
Maximum Input Level:	+28dBu
Maximum Output Level:	+28dBu
Frequency Response:	20Hz to 20kHz ±0.1dB (600Ω load, ref 1kHz)
Gain Range:	Adjustable -15dB loss to +15dB gain
Common Mode Rejection:	>66dB typically
LF Roll Off Filter :	125Hz at 6dB/octave
Distortion:	0.01%THD @ 1kHz, red + 8dBu output
Noise:	-100dB unity gain, ref +8dBu output
Connections	
Inputs:	2 x XLR 3 pin female (balanced)
Outputs:	2 x 25 way D-type plug (balanced, an be unbalanced)
Mains Input:	Filtered IEC, switchable 110-120V, or 220-240V, fused, 12W maximum
Fuse Rating:	Anti-surge fuse 100mA 20 x 5mm (230VAC) Anti-surge fuse 250mA 20 x 5mm (115VAC)
Equipment Type	
RB-DA24MD:	24 way mono distribution amplifier
Physical Specification	
Dimensions (Raw):	48cm (W) x 15.8cm (D) x 4.2 (H) (1U) 19" (W) x 6.2" (D) x 1.7" (H) (1U)
Dimensions (Boxed):	58.5cm (W) x 27.4cm (D) x 10.8cm (H) 23" (W) x 10.9" (D) x 4.3" (H)
Weight:	Nett: 1.6kg Gross: 2.2kg Nett: 3.5lbs Gross: 4.8lbs

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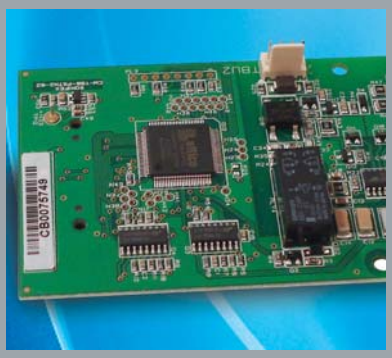
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