

# SONIFEX

RB-DA24MD

24 Way Mono Audio Distribution Amplifier

# Catalogue





## RB-DA24MD 24 Way Mono Audio Distribution Amplifier



**Category:** Audio Distribution Amplifiers.

**Product Function:** Mixing & distribution of 2 mono analogue audio inputs to 24 mono outputs.

**Typical Applications:** Distribute mono emergency audio signals to multiple powered monitors, to distribute a mono

source (e.g. mic input converted to line) to many outputs, e.g. at a news conference.

**Features:**

- 2 input, 24 output distribution amplifier.
- Input gain adjustment.
- Balanced I/O that can be wired unbalanced.
- Use as a stereo pair, or 2 x mono inputs.
- High pass roll-off filter.
- Output protection against PoE & phantom power.
- Mixed output level adjustment.

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.

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.

An LED power indicator on the front panel shows that the unit is powered.

### Specification For RB-DA24MD

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, ref +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, can 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
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### 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

# SONIFEX

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