

SONIFEX

Redbox RB-DMA2
Dual Digital Microphone Amplifier

2014-15
Catalogue





RB-DMA2 Dual Digital Microphone Amplifier

The RB-DMA2 consists of two independent low-noise microphone pre-amplifiers for converting microphone level signals to a digital AES/EBU or S/PDIF output. Individual analogue balanced line level outputs are also produced for use, for example, to feed talkback systems. The unit can either be used as two independent microphone amplifiers, or one mic input can be copied to both channels of the digital output.

The microphone inputs are XLR-3 type and are electronically balanced. The input gain for each input can be adjusted

individually by a volume control on the front panel enabling the use of dynamic and powered microphones and each has a LED level indicator. For each channel there are independent switches to control a high pass filter (low frequency roll-off at 125Hz) and to provide phantom power at +48V to the connected microphones.

The RB-DMA2 has AES/EBU, S/PDIF and TTL word clock sync inputs and has the same sync modes, bit depth selection, channel status bit adjustment, front panel LED synchronisation and calibration routine as the RB-ADDA. Please refer to that product for further information.



Category: Microphone Amplifiers & Limiters.

Product Function: Amplification of two

mic level signals to line level & AES/EBU outputs

Typical Applications: To amplify additional microphones in a studio talks area, court room microphone amplification, converting mic signal where mic and amp are a long distance apart.

Features: See RB-ADDA & RB-MA2.

Specification For RB-DMA2

Audio Specification

Input Level:	Max -25dBu, Min -62dBu to give FSD
Input Impedance:	2kΩ nominal
Input Gain Range:	37dB
Low Frequency Roll-off:	125Hz @ 6dB/octave
Signal To Noise:	130dB EIN
Dynamic Range:	>110dB
Distortion And Noise:	<0.01% THD + N absolute @ 1kHz
Phantom Power:	48V

Connections

Microphone Inputs:	2 x XLR 3 pin female (balanced)
Sync Inputs:	1 x AES/EBU XLR 3 pin female (balanced)

Analogue Outputs:	2 x XLR 3 pin male (balanced)
Digital Outputs:	1 x AES/EBU XLR 3 pin male (balanced), 1 x S/PDIF RCA phono socket
Mains Input:	Filtered IEC, switchable 110-120V, or 220-240V, fused, 10W max
Fuse Rating:	Anti-surge fuse 100mA 20 x 5mm (230VAC) Anti-surge fuse 250mA 20 x 5mm (115VAC)

Equipment Type

RB-DMA2: Dual digital microphone amplifier

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: 1.6kg Gross: 2.2kg Nett: 3.5lbs Gross: 4.8lbs



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