

RB-DMA2 Dual Digital Microphone Amplifier



// 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 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.

Audio Specification For RB-DMA2

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)
 1 x S/PDIF RCA phono socket,
 1 x TTL BNC female

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

Equipment Type

RB-DMA2: Dual digital microphone amplifier

Physical Specification

Weight: Nett: 1.6kg Gross: 2.2kg
 Dimensions (Raw): 48cm (W) x 10.8cm (D) x 4.2cm (H) (1U)
 (Boxed): 53cm (W) x 20.5cm (D) x 6cm (H)

