



DMA-2

Dual Digital Mic Amp

The DMA2 has been developed as a direct result of our experience in installing turn-key radio solutions. This device has been designed to take advantage of digital technology that has now become common practice in the broadcast industry.



The ADR DMA2 has two independent low noise microphone inputs which can be routed through to a single AES output. The unit can be locked to an external AES sync input. Analogue gain for each input channel is set by front panel push button switches. LEDs indicate digital headroom. Front panel switches also set 48v phantom powering, phase reverse and high pass filters for each channel. Full remote control of the front panel functions can be accessed via RS232 or optional RS485 port.

- 1U Rack mounting.
- Inputs and outputs on XLR connectors.
- 24bit 120dB dynamic range ADC
- E.I.N. Source resistance 150R -128dBu.
- Front panel controls for easy access.
- Output 'shuffle' switch.
- Switchable high pass filter on each input.
- AES/EBU digital output at 44.1,48 & 96kHz.
- AES external Sync 30KHz - 100KHz
- RS232 Remote Control - RS485 Option.



Specification

Analogue

Inputs: Balanced XLR female, <10K, gain range 80dB
THD+N 0.003% at -20dBu

Digital

Input: AES/EBU, balanced, 110R, 30KHz - 100KHz
Output: AES/EBU, balanced, 110R, 32 (ext sync), 44.1, 48 & 96kHz

Power

IEC inlet, 100-240VAC / 45-65Hz



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SPECIFICATION

DMA-2 Dual digital mic amp

Analogue Input Section

Electronically Balanced Inputs (XLR-F)

- Input Impedance: > 10K
- Input gain Range: 80dB variable from -70dBu to +10dBu (Mic to Line levels)
- High Pass Filtering: 3rd order -3dB @ 100HZ
- THD+N: 0.003% @ -20dBu mic operating level.
- Phantom: Internally generated 48Volts

Channel Metering

3 led Bar : -18dB (set-up for ppm 4), -10dB (ppm 6 normal operating), 0dB (max clip level)

AES DIGITAL Section

- 1 balanced External AES3 Sync input (XLR-F) 110Ω imp
- 1 balanced AES3 Transformer output (XLR-M) 110Ω imp
- Output level (loaded to 110Ω): 5 volts p-to-p
- Output jitter: < 0.5nS @ 32kHz, 44.1, 48, 96KHz.

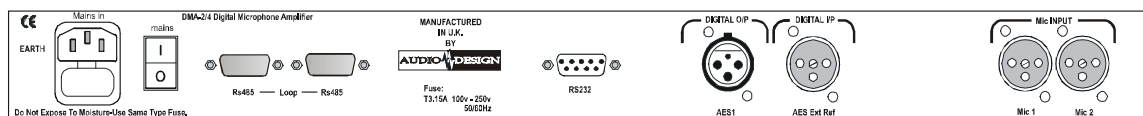
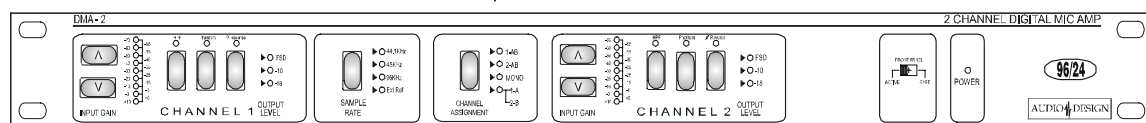
Remote Control

RS232: 9-Pin D-Sub for PC full remote control. Optional RS485 control port

- POWER: 90 - 250V / 45 - 65 Hz, IEC fused inlet with on/off rocker switch
- Fuse type: T3 A

SIZE: 482.60mm (19") wide x 44.45mm (1U) high x 153mm deep

WEIGHT: 1.0Kg



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