

## HALF-RACK SERIES Model HR-MP2A Dual Microphone Preamplifier



- Two Independent Microphone Preamplifiers
- Balanced XLR Microphone Inputs
- Independent Controls for Each Preamplifier
- Front-Panel 20 to 60 dB Gain Control
- Switch-selectable 48 Volt Phantom
- Switch-Selectable 15 dB Input Pad
- Switch-Selectable Polarity Reversal

- Switch-selectable 48 Volt Phantom for Both Preamplifiers
- CLIP Indicators for Peaks 3 dB Below Clipping
- Balanced Line-Level Outputs
- Each Output Allows Balanced or Unbalanced Connection
- Each Preamp Output on <sup>1</sup>/<sub>4</sub>" TRS or Detachable Terminal Block
- Separate Summed Output 1 + 2 on Detachable Terminal Block

The HR-MP2A is an RDL HALF-RACK product, featuring an all metal chassis and the advanced circuitry for which RDL products are known. HALF-RACKs may be operated free-standing using the included feet or may be conveniently rack mounted using available rack-mount adapters.

**APPLICATION:** The HR-MP2A is a dual channel microphone preamplifier with line-level outputs. Each section provides identical rear-panel signal connections and front-panel controls.

Each preamplifier is equipped with a front-panel **INPUT PAD** switch that allows the operator to attenuate the input signal by 15 dB prior to the preamplifier input stage, increasing the maximum input level from +5 dBu (attenuator out) to greater than +20 dBu. A **POLARITY** switch provides signal polarity reversal if needed. The **GAIN** control provides continuous adjustment between 20 dB and 60 dB. A **CLIP** LED flashes if a signal peak is within 3 dB of clipping. The trigger threshold of the **CLIP** LED is 17 dB above a normal +4 dBu output.

The HR-MP2A offers exceptional input headroom, wide flat frequency response and extremely low noise with very high common-mode signal rejection. Total harmonic distortion and crosstalk are below the noise floor, allowing the HR-MP2A to be operated as a stereo preamplifier or as two separate mono preamplifiers.

Each preamplifier provides two balanced line-level output formats: Detachable terminal block and ¼" TRS. A separate summing amplifier provides a combined mono output on a line-level detachable terminal block. Balanced outputs may be wired unbalanced. The rear panel also provides a detachable terminal block and a power input jack to connect 24 Vdc power.

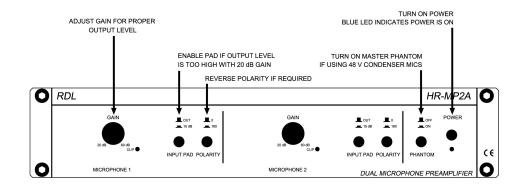
The HR-MP2A is constructed in a durable half-rack-width shielded metal enclosure for free-standing use or for mounting in an RDL rack adapter, available separately.

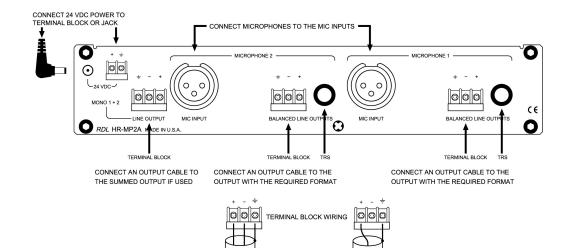
Wherever a dual-channel half-rack microphone audio preamplifier is needed to provide superior audio clarity, user adjustments, reliability, compactness and unsurpassed versatility and performance, the HR-MP2A is the ideal choice. Use the HR-MP2A combined with other RDL RACK-UP, STICK-ON, TX<sup>™</sup>, or FLAT-PAK<sup>™</sup> series products as part of a complete audio/video system.



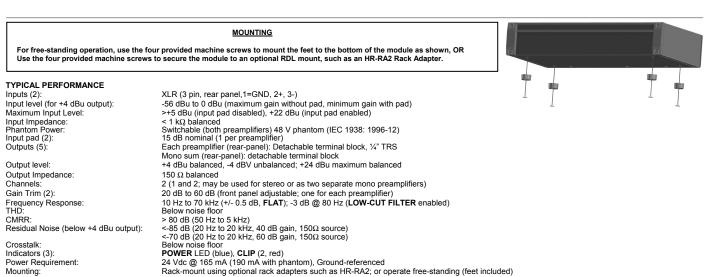
## HALF-RACK Model HR-MP2A **Dual Microphone Preamplifier**

Installation/Operation EN5103-1 E1-E5; EN55103-2 E1-E4 Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.





BALANCED



UNBALANCED

24 Vdc @ 165 mA (190 mA with phantom), Ground-referenced Rack-mount using optional rack adapters such as HR-RA2; or operate free-standing (feet included) Height: 1.7 in, 4.3 cm; Length: 8.6 in, 20.6 cm; Depth: 4.59 in, 11.66 cm

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Dimensions