



INSTALLATION AND OPERATION MANUAL

EZ-MPA2 Model numbers: EZ-MPA2 includes power supply with North American plug EZ-MPA2X includes worldwide power supply (specify plug)

Dual Microphone Preamplifier with Compressors



RDL EZ Series products provide the highest level of value to A/V professionals and A/V users who demand professional quality. For long-term performance, quality and value, you have made the EZ choice. EZ products are made in the USA by RDL, the inventor of application-specific modules bringing decades of experience as the world's leading manufacturer of high-reliability performance products to the A/V industry. Visit the RDL website for hundreds of professional A/V products made in the USA by RDL.



www.rdlnet.com

Decades of Performance, Quality and Value

RDL • 659 N. 6th Street • Prescott, AZ • USA 86301 • Sales: 800-281-2683 • 928-443-9391
Tech Support: 800-933-1780 • 928-778-3554 • RDL Europe Sales & Support: (31) 20-6238-983

EZ-MPA2

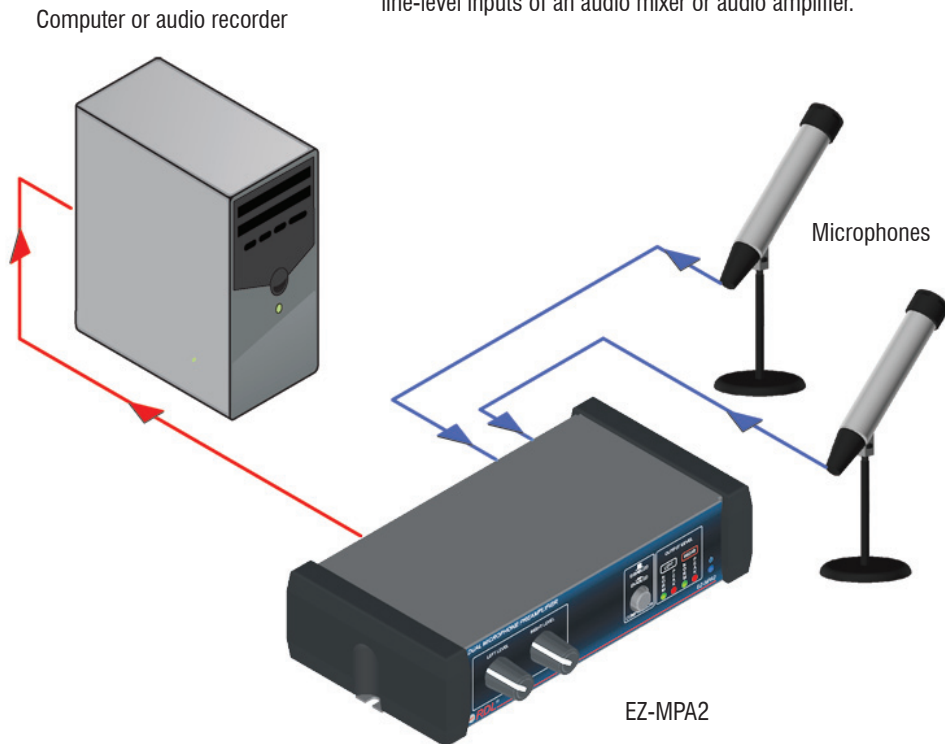
Dual Microphone Preamplifier with Compressors

- Left and Right Balanced XLR Microphone Inputs
- Unbalanced Output on MINI or RCA Jacks
- Input and Output Connections on Rear Panel
- Switch-Selectable Phantom on Rear Panel
- Front-Panel Compressor Enable/Disable Switch
- Audio Compressors Control Overloads
- Front-Panel LEVEL Control for Each Channel
- Dual-LED VU Meters for Each Channel

The EZ-MPA2 is a stereo microphone preamplifier with front-panel volume controls and audio level metering. A front-panel switch engages audio compressors to control overloads and clipping during high level audio bursts or peaks from the microphones. Dynamic or condenser microphones are both supported with rear-panel switchable phantom voltage. The line output is available on RCA or MINI jacks. Left and right channel LED VU metering facilitates easy level adjustment. The EZ-MPA2 is ideal for adding microphone inputs to mixers and amplifiers with line inputs. It is used in houses of worship, restaurants, clubs, meeting rooms, educational facilities, conference rooms, studios and commercial sound systems.

TYPICAL APPLICATION

Note: The EZ-MPA2 is also commonly used to feed line-level inputs of an audio mixer or audio amplifier.



www.rdlnet.com . . . www.rdlez.com

AUDIO COMPRESSORS

Compressors control overload and clipping over a wide dynamic range of input signals, and are normally enabled. Set the switch to either enable (button IN) or disable (button OUT) compression.

STEREO OUTPUT VU METERS

LEFT and RIGHT LED VU meters monitor the unbalanced outputs for proper -10 dBV level. With audio present, the variable intensity green LED should be as bright as possible with the red LED flashing occasionally. (The red LED flashes when the output level exceeds -10 dBV.)

OUTPUT LEVEL

Adjust the gain controls for the correct level on the OUTPUT LEVEL meters.

POWER INDICATOR

Glowes blue when the product is connected to a valid power source.



24 VDC POWER INPUT

Insert plug from power supply. Rotate 1/4 turn clockwise to lock.

PHANTOM SELECTOR

Set for mic type connected:
Dynamic mic: OFF (out)
Condenser mic: ON (in)

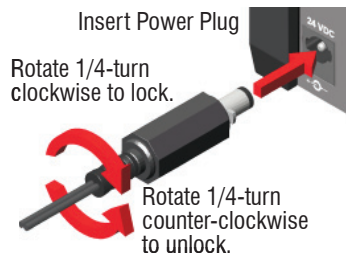
MICROPHONE INPUTS

Connect a microphone to the LEFT and RIGHT XLR jacks. Microphones may be either a dynamic or condenser type.

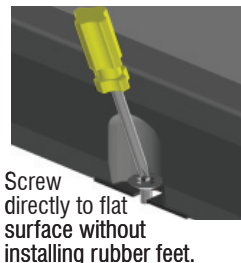
LINE OUTPUT

Connect to other equipment line input from either the RCA jacks or from the stereo MINI-jack.

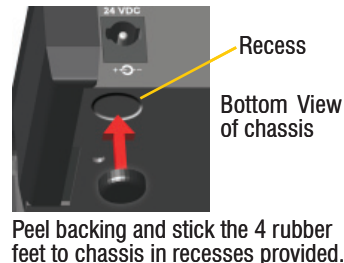
POWER CONNECTION



FIXED MOUNTING



RUBBER FEET ATTACHMENT



SELECTED MOUNTING ACCESSORIES Complete accessory listing available at: rdlez.com

EZ-RA6

Rack Adapter for 6 Increments of 1/6 Rack Width



EZ-CC6

Component Chassis for 6 Increments of 1/6 Rack Width



EZ-SMB2

Surface Mount Bezel for 1/3 Rack Width Products



EZ-DC2

Desktop Chassis 1/3 Rack Width



EZ-UCB2

Under-Counter Brackets 1/6 or 1/3 Rack Width



EZ-SD2

Storage Drawer 1/3 Rack Width

Use In Place of Filler Panel
Holds Adapters and Cables
Mounts in EZ-CC6 and EZ-RA6



TYPICAL PERFORMANCE

Inputs (2): 1.2 k Ω balanced on XLR jack, mic-level, -11 dBu max.
Level controls (2): Off to 50 dB gain for each input
Outputs (2): -10 dBV nominal on RCA jacks or Mini jack, +16 dBV max. without compression, -4 dBV max. with 20 dB compression
Frequency Response: 80 Hz to 40 kHz (± 1 dB, mic input, -6 dB at 20 Hz with integral high-pass filter)
THD+N: < 0.1% (35 Hz to 20 kHz, -50 dBu input)
Compression: 20 dB range, switch-selectable
Crosstalk: Below noise floor (1 kHz)
CMRR: > 55 dB (20 to 20 kHz)
Metering: Dual-LED VU Meter for Left and Right, calibrated to -10 dBV output
Phantom: Switch-selectable 24 V (IEC 1938: 1996-12)
Noise: < -65 dB (below -10 dBV output, -50 dBu input)
24 Vdc power supply current: 65 mA (idle), 90 mA (max.), 110 mA (max. with phantom)
Power supply input voltage: 100 to 240 VAC
Warranty: 3 Years; contact RDL technical support department for assistance
Case dimensions: 5.75" (14.6 cm)W x 3" (7.6 cm)D
Mounting size: 1/3 rack width

CE

891-1620

Copyright © 2009 Radio Design Labs, Inc. RDL, Radio Design Labs and the RDL logo are registered trademarks of Radio Design Labs, Inc. Data reflects product at publication time, subject to change without notice. "Made in USA" applies to all EZ products except power supplies.