



INSTALLATION AND OPERATION MANUAL

EZ-MPA1

Model numbers:
EZ-MPA1 includes power supply with North American plug
EZ-MPA1X includes worldwide power supply (specify plug)

Microphone Preamp with Compressor



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 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

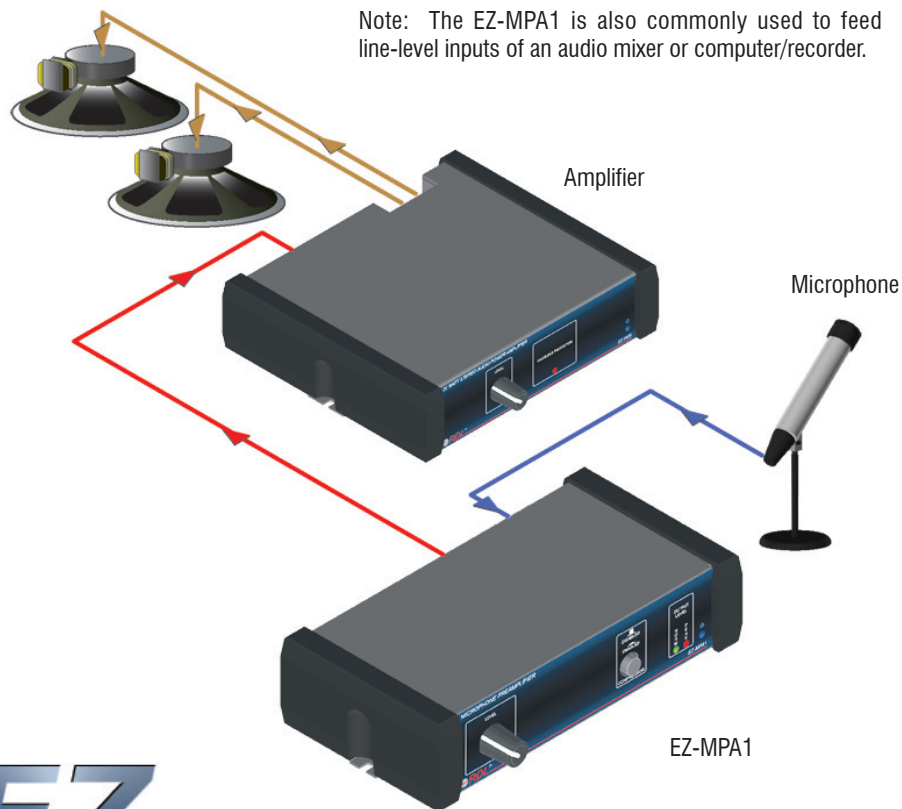
EZ-MPA1

Microphone Preamp with Compressor

- Balanced Microphone Input on Rear-Panel XLR
- Switch-Selectable Phantom on Rear Panel
- Unbalanced Output on MINI or RCA Rear-Panel Jacks
- Preamp Feeds Left and Right Output Channels
- Front-Panel Compressor Enable/Disable Switch
- Audio Compressor Controls Overloads
- Front-Panel LEVEL Control
- Dual-LED VU Meter

The EZ-MPA1 is a microphone preamplifier with front-panel volume control and audio level metering. A front-panel switch engages an audio compressor to control overloads and clipping during high level audio bursts or peaks from the microphone. Dynamic or condenser microphones are both supported with rear-panel switchable phantom voltage. The preamplified mic signal feeds both channels of the line output on RCA or MINI jacks. LED VU metering facilitates easy level adjustment. The EZ-MPA1 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



AUDIO COMPRESSOR

The compressor controls overload and clipping over a wide dynamic range of input signal level, and normally should be enabled. Set the switch to either enable (button IN) or disable (button OUT) compression.

OUTPUT VU METER

The LED VU meter monitors the unbalanced output 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 control for the correct level on the OUTPUT LEVEL meter.

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)

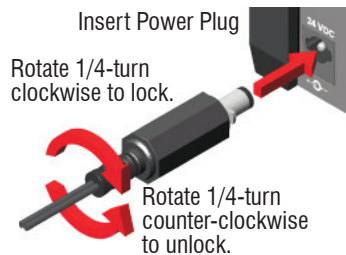
MICROPHONE INPUT

Connect a microphone to the XLR jack. Microphone may be either a dynamic or condenser type.

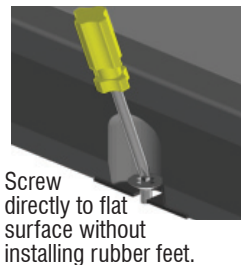
LINE OUTPUT

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

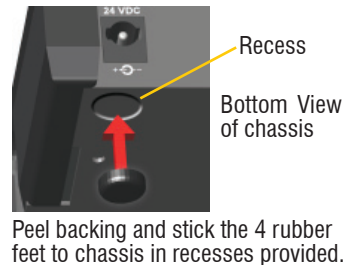
POWER CONNECTION



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

Input:	1.2 k Ω balanced on XLR jack, mic-level, -11 dBu max.
Level control:	Off to 50 dB gain
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
CMRR:	> 55 dB (20 to 20 kHz)
Metering:	Dual-LED VU Meter, calibrated to -10 dBV output
Phantom:	Switch-selectable 24 V (IEC 61938: 2013)
Noise:	< -65 dB (below -10 dBV output, -50 dBu input)
24 Vdc power supply current:	55 mA (idle), 80 mA (max.), 100 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

891-1615

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.