



INSTALLATION AND OPERATION MANUAL

EZ-AFC2 Model numbers: EZ-AFC2 includes power supply with North American plug EZ-AFC2X includes worldwide power supply (specify plug)

Audio Format Converter



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.



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Decades of Performance, Quality and Value

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EZ-AFC2

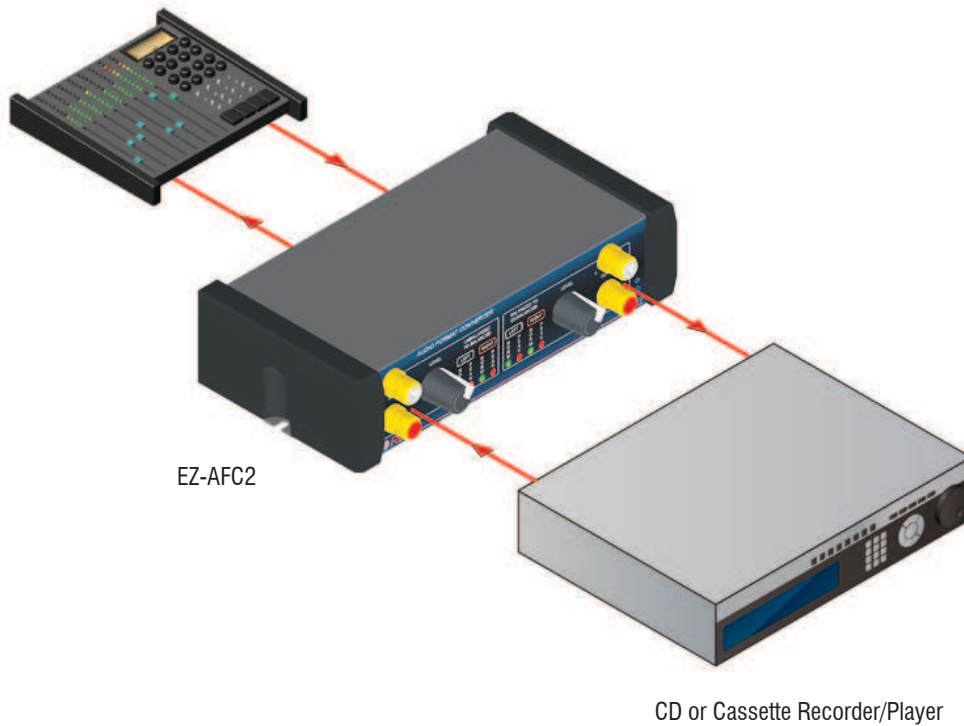
Audio Format Converter

- Unbalanced to Balanced Audio Conversion
- Balanced to Unbalanced Audio Conversion
- Unbalanced RCA Connections on Front Panel
- Balanced XLR Connections on Rear Panel
- Front-Panel LEVEL Controls
- Dual-LED VU Meter for Each Channel

The EZ-AFC2 is a stereo bi-directional audio format converter with level controls. Conversion is provided between balanced rear-panel XLR jacks and unbalanced front-panel RCA jacks. LED VU metering is provided for all audio channels facilitating adjustment for high or low input levels. The EZ-AFC2 is used in houses of worship, studios, sound booths, home component systems and commercial sound systems.

TYPICAL APPLICATION

Pro Mixer with XLR inputs and outputs



www.rdl.net.com . . . www.rdlez.com

UNBALANCED TO BALANCED VU METERS

LEFT and RIGHT LED VU meters monitor the balanced outputs for proper +4 dBu 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 rear-panel output level exceeds +4 dBu.)

BALANCED TO UNBALANCED 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 front-panel output level exceeds -10 dBV.)

LEVEL CONTROL

Adjust the LEVEL control for proper audio level on the VU meters.

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Adjust the LEVEL control for proper audio level on the VU meters.

UNBALANCED LINE OUTPUT

Connect to a consumer product unbalanced stereo input.

UNBALANCED INPUT

Connect an unbalanced stereo source.

POWER INDICATOR

Glow 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.

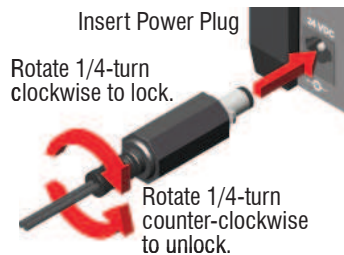
BALANCED INPUTS

Connect a balanced stereo source to the LEFT INPUT and RIGHT INPUT XLR jacks. Typical sources include professional mixers and professional recording and playback products. For mono conversion, use only one channel.

BALANCED OUTPUTS

Connect the LEFT OUTPUT and RIGHT OUTPUT to equipment with a balanced stereo input. Typical connections include professional mixers and professional recording and playback products. For mono conversion, use only one channel.

POWER CONNECTION



Insert Power Plug

Rotate 1/4-turn clockwise to lock.

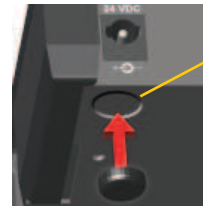
Rotate 1/4-turn counter-clockwise to unlock.

FIXED MOUNTING



Screw directly to flat surface without installing rubber feet.

RUBBER FEET ATTACHMENT



Recess

Bottom View of chassis

Peel backing and stick the 4 rubber feet to chassis in recesses provided.

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



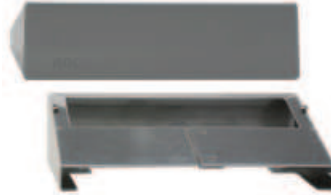
EZ-SMB2

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

UNBALANCED TO BALANCED SECTION

Input: Stereo on dual RCA jacks, > 10 k Ω , -10 dBV nominal, +16 dBV max.

Level control: Off to 12 dB gain above nominal

Output: Stereo on dual XLR jacks, +4 dBu nominal, +26 dBu max.

Frequency Response: 10 Hz to 50 kHz (± 0.01 dB)

THD+N: < 0.01%

Metering: Dual-LED VU Meter for Left and Right, calibrated to +4 dBu output

Crosstalk: < 75 dB (1 kHz)

Noise: < -85 dB (below +4 dBu output)

24 Vdc power supply current: 45 mA (idle), 90 mA (max.)

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 5" (12.7 cm)D

Mounting size: 1/3 rack width

BALANCED TO UNBALANCED SECTION

Input: Stereo on dual XLR jacks, +4 dBu nominal, +26 dBu max.

Level control: Off to 12 dB gain above nominal

Output: Stereo on dual RCA jacks, -10 dBV nominal, +17 dBV max.

Frequency Response: 10 Hz to 50 kHz (± 0.01 dB)

THD+N: < 0.003%

Crosstalk: < 80 dB (1 kHz)

CMRR: > 50 dB (50 Hz to 120 Hz)

Metering: Dual-LED VU Meter for Left and Right, calibrated to -10 dBV output

Noise: < -75 dB (below +4 dBu output)

CE

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