



INSTALLATION AND OPERATION MANUAL

EZ-VDA2B

Video Distribution Amplifier

Model numbers:
EZ-VDA2B includes power supply with North American plug
EZ-VDA2BX includes worldwide power supply (specify plug)



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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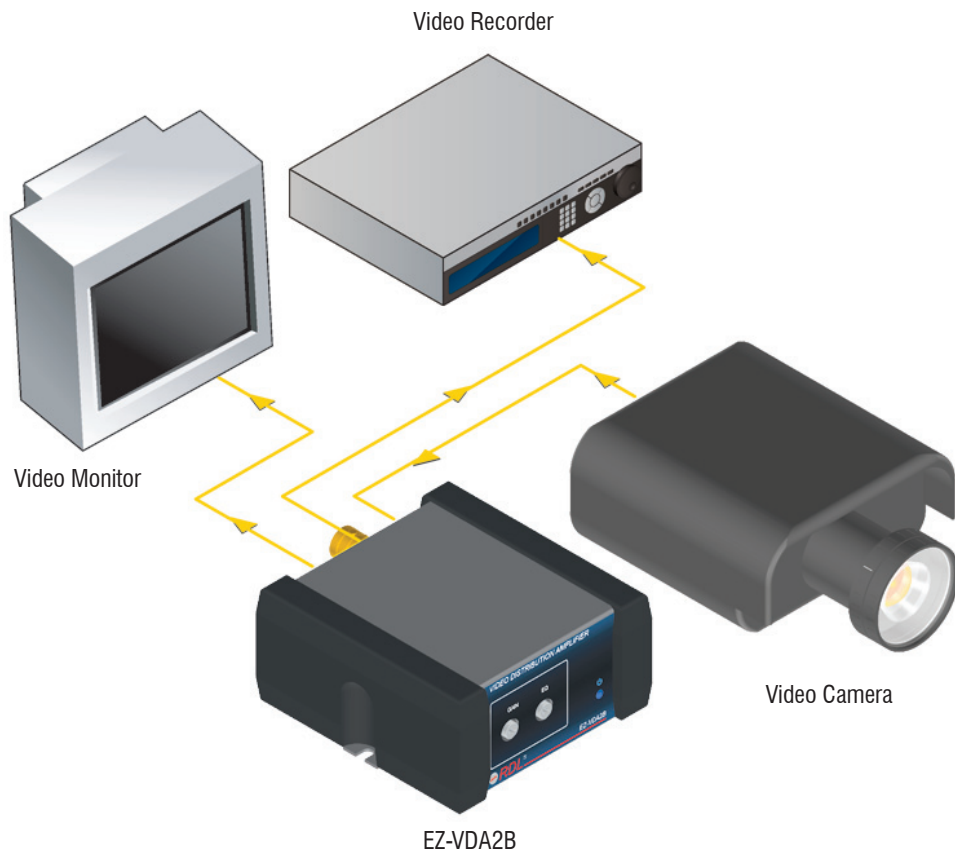
EZ-VDA2B

Video Distribution Amplifier

- Composite Input to Two Composite Outputs
- Front-Panel GAIN and EQ Trimmers
- Operation with NTSC or PAL Signals
- 75 Ω Terminated Input
- Input and Outputs on Gold-Plated BNC Jacks
- Wide Bandwidth > 400 MHz

The EZ-VDA2B is a composite video distribution amplifier with two outputs. The input and outputs are all 75 Ω on BNC connectors. If the outputs are connected to long coaxial cables (typically 100 to 1000 feet) the front-panel gain and equalization trimmers may be adjusted to restore picture clarity. The wide amplifier bandwidth supports high quality video distribution. The EZ-VDA2B is used in stores, houses of worship, restaurants, clubs, security and commercial A/V systems.

TYPICAL APPLICATION



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GAIN ADJUSTMENT

If long video cables are connected to the output jacks, turn the GAIN control clockwise until the picture brightness appears normal. If short output cables are connected, or if the picture brightness is normal, set the GAIN control fully counter-clockwise.

EQUALIZATION ADJUSTMENT

If long video cables are connected to the output jacks, turn the EQ control clockwise until the picture sharpness appears normal. If short output cables are connected, or if the picture clarity is normal, set the EQ control fully counter-clockwise.

POWER INDICATOR

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

**24 VDC POWER INPUT**

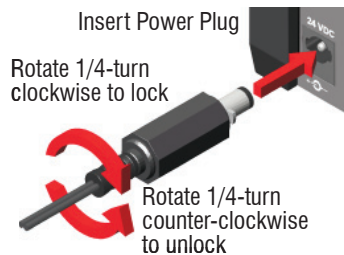
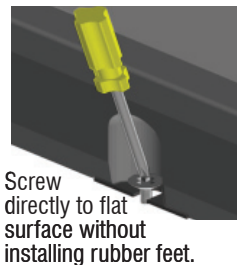
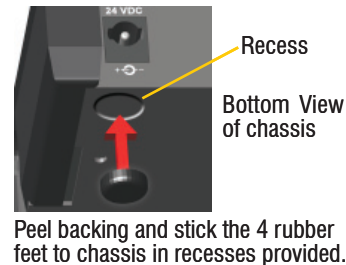
Insert plug from power supply. Rotate 1/4 turn clockwise to lock.

VIDEO OUTPUTS

Connect one or two cables to feed video signals to equipment with 75 ohm composite video inputs.

VIDEO INPUT

Connect a composite video source to the INPUT jack. The input jack terminates the source with 75 ohms.

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



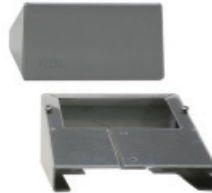
EZ-SMB1

Surface Mount Bezel for 1/6 Rack Width Products



EZ-DC1

Desktop Chassis 1/6 Rack Width



EZ-UCB2

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



EZ-SD1

Storage Drawer 1/6 Rack Width



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

TYPICAL PERFORMANCE

Input: 75 Ω on BNC jack
Input level: 1 V p-p nominal
Gain: Unity to +6 dB (adjustable)
Bandwidth: > 400 MHz
Coupling: AC
Differential Gain: < 0.1%
Differential Phase: < 0.1 degree
Equalization: Flat to +7 dB @ 50 MHz (adjustable)
Residual Noise: < -90 dB (referenced to 1 V p-p)
Outputs (2): 75 Ω source-terminated on BNC jacks, 1 V p-p nominal (terminated)
24 Vdc power supply current: 20 mA (idle), 30 mA (max.)
Power supply input voltage: 100 to 240 VAC
Warranty: 3 Years; contact RDL technical support department for assistance
Case dimensions: 2.9" (7.4 cm)W x 3" (7.6 cm)D
Mounting size: 1/6 rack width