



INSTALLATION AND OPERATION MANUAL

EZ-VMD4

Model numbers:
EZ-VMD4 includes power supply with North American plug
EZ-VMD4X includes worldwide power supply (specify plug)

VGA/XGA Distribution Amplifier



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

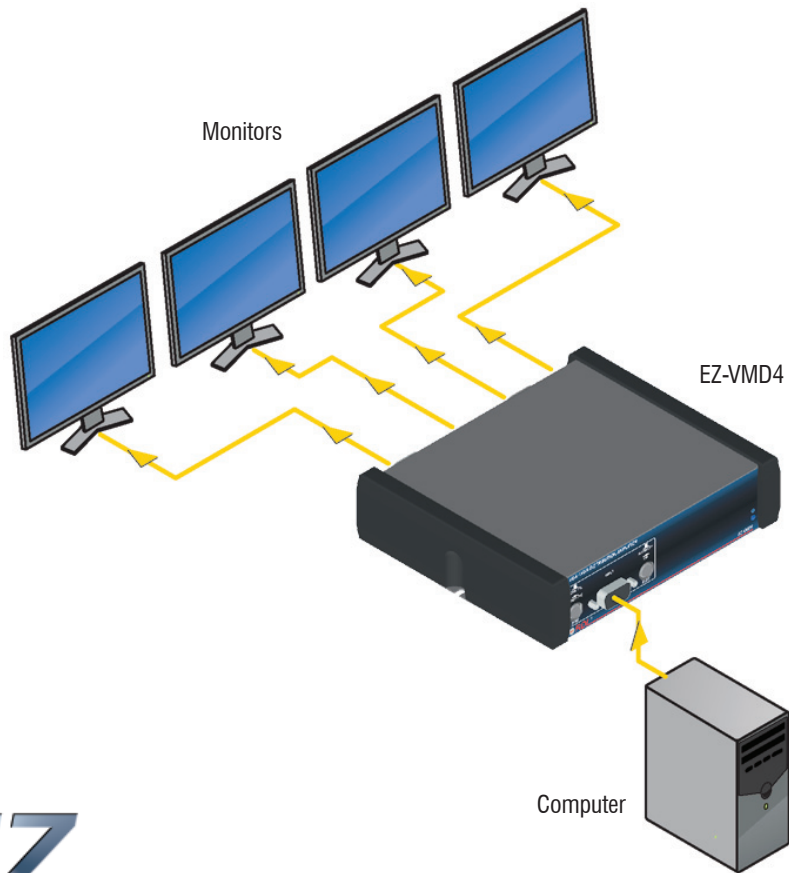
EZ-VMD4

VGA/XGA Distribution Amplifier

- Input and Outputs on HD15 Female Connectors
- One Local Monitor Plus Three Monitor Outputs
- Wide RGB Bandwidth > 400 MHz Loaded
- High Resolution Compatibility VGA through QXGA
- Reliable Full-Size Switches for Switched Functions
- Switch-Selectable TTL or Video 75 Ω Input Sync
- NORM ID BIT Connects LOCAL MONITOR and INPUT ID
- Front-Panel Input ID Bit Selection
- DC RGB Coupling, Output Polarity and Offset Follow Input

The EZ-VMD4 is a high-resolution computer video distribution amplifier with four outputs. The input has an associated ID BIT switch to assure compatibility with various computers. Sync is front-panel switch-selectable between standard TTL or 75 Ω video. One of the four outputs is individually buffered for driving the computer monitor. The other three outputs are driven by separate output amplifiers. All outputs provide flat, wideband response. All switched functions are easily accessible on the front panel. The EZ-VMD4 is used in houses of worship, restaurants, clubs, meeting rooms, educational facilities, conference rooms, stores and commercial A/V systems.

TYPICAL APPLICATION



SYNC INPUT SELECTOR

The SYNC switch selects between standard computer card TTL sync and RGBHV 75 ohm video format sync. Set the switch to the NORM TTL position (button OUT) for use with a normal computer video source; set to the VIDEO 75 OHM position (button IN) for use with a 75 ohm sync source.

ID BIT

Set to NORM OFF position (button OUT) unless computer video output fails to operate with the connected monitors; set switch to ON position (button IN) if needed to activate computer video monitor output (not typically required unless using certain laptops).

VIDEO INPUT

Connect the video source to the INPUT jack.

POWER INDICATOR

Glows 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.

LOCAL MONITOR OUTPUT

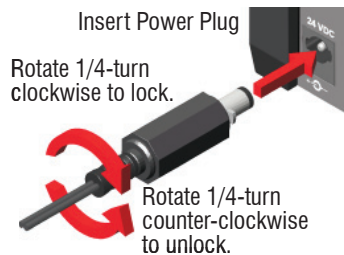
Connect the LOCAL MONITOR output to the input of the local computer video monitor.

MONITOR OUTPUTS

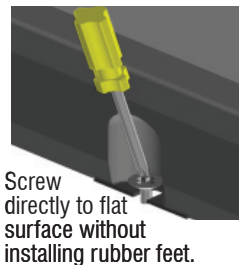
Connect to the video inputs of 1, 2 or 3 monitors or projectors.

FOR BEST PICTURE QUALITY, REMOTE VIDEO MONITOR "OPTIMIZATION" FUNCTION SHOULD BE RUN, IF PROVIDED.

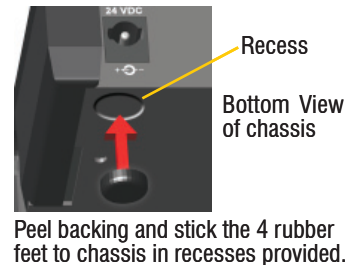
POWER CONNECTION



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: VGA - QXGA RGBHV or RGB with combined sync
Outputs (4): LOCAL MONITOR (1, Buffered, ID bit pass-thru to INPUT), OUTPUTS (3, buffered separately from LOCAL MONITOR)
Gain: Unity
Video bandwidth: > 400 MHz
Video impedance: 75 Ω (Input and output)
Sync (HV) input: 500 Ω TTL or 75 Ω Video (Switch-selectable), 0.7 V to 5 V p-p
Sync (HV) output: 5V TTL
Sync (HV) Propagation delay: < 4 nS typ.
Sync (HV) Rise time: < 4 nS typ.
Sync (combined): Output follows input
Bit Control: Switch-selectable (Pin 4, over-rides LOCAL MONITOR jack ID bit pass-thru)
24 Vdc power supply current: 70 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

CE

891-1590

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.