INSTALLATION AND OPERATION MANUAL

EZ-VMD2

Model numbers:
EZ-VMD2 includes power supply with North American plug
EZ-VMD2X 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

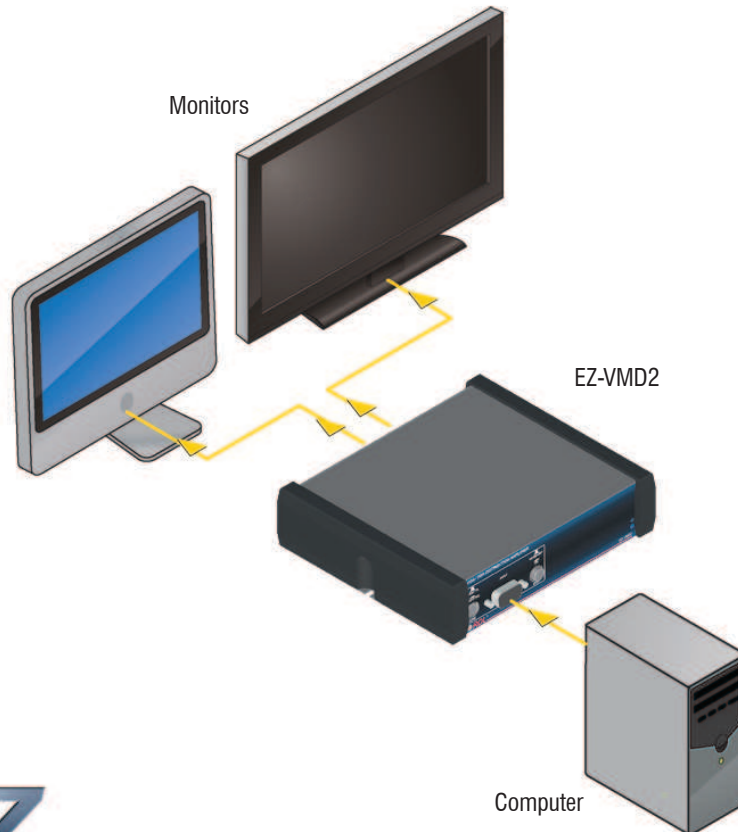### Decades of Performance, Quality and Value

EZ-VMD2

VGA/XGA Distribution Amplifier

- Input and Outputs on HD15 Female Connectors
- Two Individually Buffered 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-VMD2 is a high-resolution computer video distribution amplifier with two 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 two outputs is indivually buffered for driving the computer monitor. The second output is driven by separate output amplifiers. Both outputs provide flat, wideband response. All switched functions are easily accessible on the front panel. The EZ-VMD2 is used in houses of worship, restaurants, clubs, meeting rooms, educational facilities, conference rooms, stores and commercial A/V systems.

TYPICAL APPLICATION

Monitors

EZ-VMD2

Computer

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).

POWER INDICATOR
Glows blue when the product is connected to a valid power source.

VIDEO INPUT
Connect the video source to the INPUT jack.

VGA / XGA DISTRIBUTION AMPLIFIER

NORM TTL   INPUT   NORM OFF
VIDEO 75Ω   ON
SYNC   ID BIT

RDL®   EZ-VMD2

RDL
EZ-VMD2   OUTPUTS

24 VDC   LOCAL MONITOR   MONITOR

MADE IN U.S.A. C E

24 VDC POWER INPUT
Insert plug from power supply. Rotate 1/4 turn clockwise to lock.
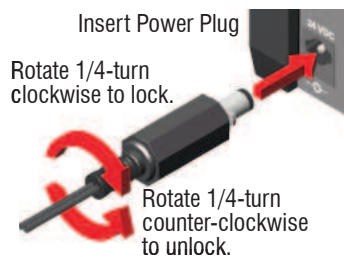
LOCAL MONITOR OUTPUT
Connect the LOCAL MONITOR output to the input of the local computer video monitor.
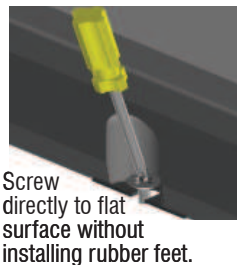
MONITOR OUTPUT
Connect to the video input of a monitor or projector.

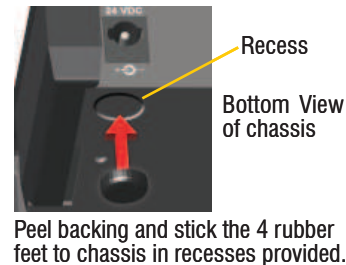**FOR BEST PICTURE QUALITY, REMOTE VIDEO MONITOR "OPTIMIZATION" FUNCTION SHOULD BE RUN, IF PROVIDED.**

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

Input: VGA - QXGA RGBHV or RGB with combined sync
Outputs (2): LOCAL MONITOR (1, Buffered, ID bit pass-thru to INPUT), Monitor (1, separately buffered)
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) Propogation 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), 80 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

891-1585