



## 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



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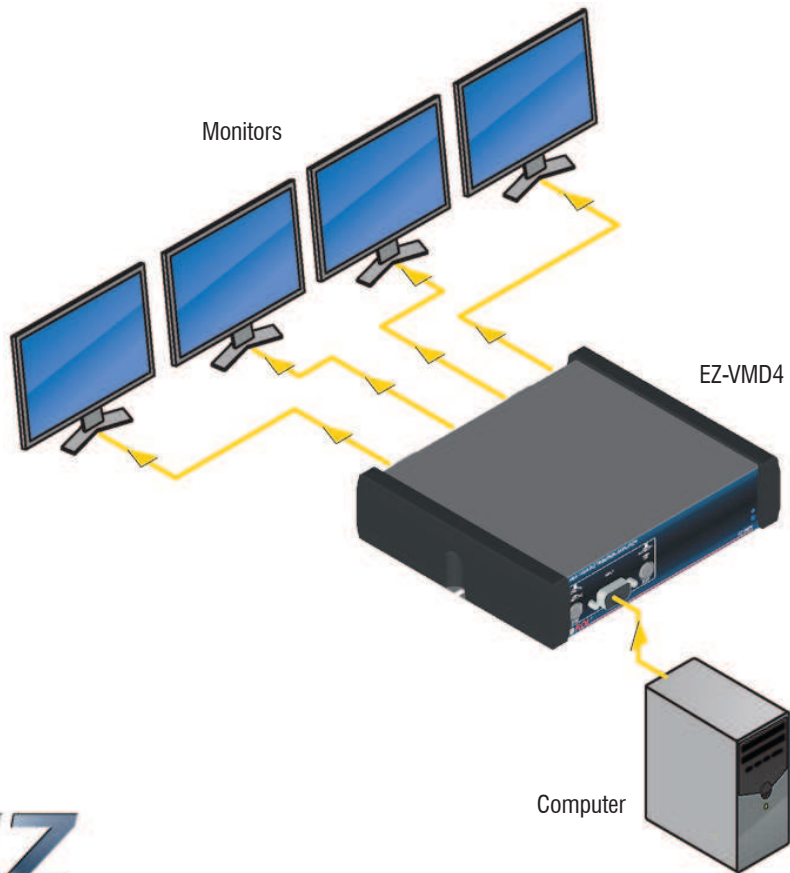
# EZ-VMD4

## 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  $\Omega$  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  $\Omega$  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



[www.rdlnet.com](http://www.rdlnet.com) . . . [www.rdlez.com](http://www.rdlez.com)

### **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**

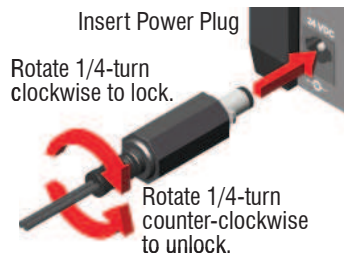
Connect the LOCAL MONITOR output to the input of the local computer video monitor.

### **MONITOR OUTPUTS**

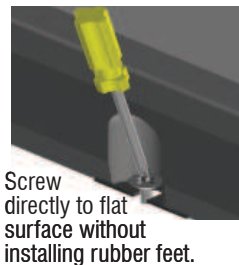
Connect to the video inputs of 1, 2 or 3 monitors or projectors.

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

### **POWER CONNECTION**



### **FIXED MOUNTING**



### **RUBBER FEET ATTACHMENT**



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

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## SELECTED MOUNTING ACCESSORIES Complete accessory listing available at: [rdlez.com](http://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



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## 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  $\Omega$  (Input and output)  
Sync (HV) input: 500  $\Omega$  TTL or 75  $\Omega$  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

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