



## INSTALLATION AND OPERATION MANUAL

### EZ-VM12

Model numbers:  
EZ-VM12 includes power supply with North American plug  
EZ-VM12X 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](http://www.rdlnet.com)

**Decades of Performance, Quality and Value**

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# EZ-VM12

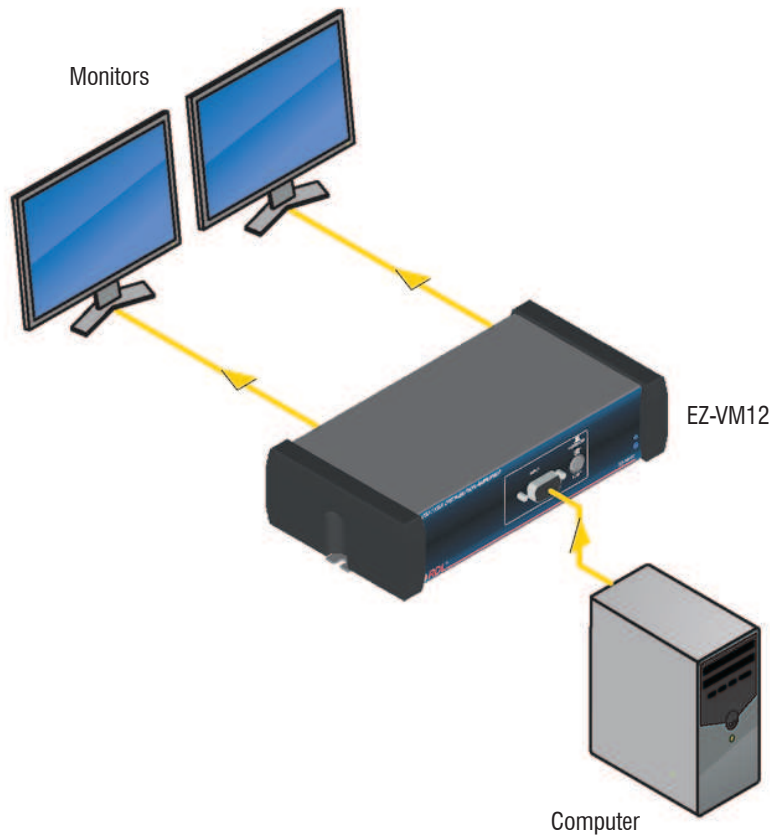
## VGA/XGA Distribution Amplifier

- Input and Two Outputs on HD15 Female Connectors
- Wide RGB Bandwidth > 360 MHz Loaded
- High Resolution Compatibility VGA through QXGA
- Reliable Full-Size Front-Panel Switch for ID Bit Selection
- NORM ID BIT Connects LOCAL MONITOR and INPUT ID
- DC RGB Coupling, Output Polarity & Offset Follow Input
- HD15 Input Cable Included - 36", 91.44 cm long

The EZ-VM12 is a high-resolution computer video distribution amplifier with two outputs. The input has an associated front-panel BIT ID switch to assure compatibility with various computers. The two outputs are driven by video line amplifiers that provide flat, wideband response. The EZ-VM12 is used in houses of worship, restaurants, clubs, meeting rooms, class rooms, conference rooms, stores and in commercial A/V systems.

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## TYPICAL APPLICATION



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

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**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.



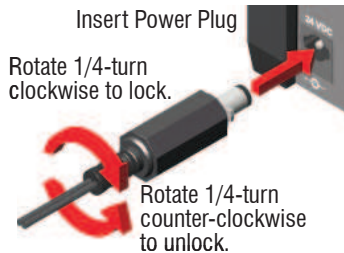
**24 VDC POWER INPUT**  
 Insert plug from power supply. Rotate 1/4 turn clockwise to lock.

**LOCAL MONITOR OUTPUT**  
 Connect the LOCAL MONITOR output to the input of the local computer video monitor (if used) or to the video input of any monitor or projector.

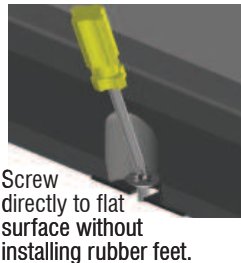
**MONITOR OUTPUT**  
 Connect to the video input of a monitor or projector.

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

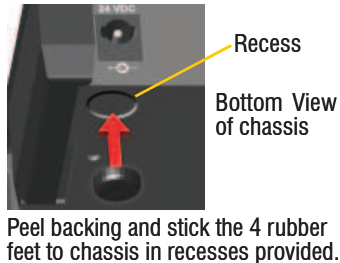
**POWER CONNECTION**



**FIXED MOUNTING**



**RUBBER FEET ATTACHMENT**



## 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



## TYPICAL PERFORMANCE

Input: VGA - QXGA RGBHV or RGB with combined sync  
Outputs (2): LOCAL MONITOR (1, ID bit pass-thru to INPUT), MONITOR  
Gain: Unity  
Video bandwidth: > 360 MHz  
Video impedance: 75  $\Omega$  (Input and output)  
Sync (HV) input: 500  $\Omega$  TTL 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: 50 mA (idle), 60 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 3" (7.6 cm)D  
Mounting size: 1/3 rack width

CE

891-1545