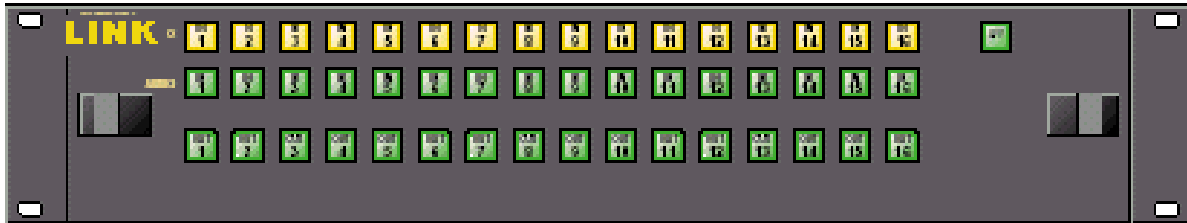


## 16x16 Multi Layer Router RGBHV Model 860-XL165V



### FEATURES

- ◆ **16 X 16 Video, No Audio**
- ◆ **Optional Audio Follow**
- ◆ **RS-232 Control**
- ◆ **VGA to QXGA Performance**
- ◆ **300 MHz Bandwidth**
- ◆ **Control Panel Included**

Rear view of 2RU 16x16 multimedia frame

Link Electronics brings a breath of fresh air to the router industry! Our combined history of many years of broadcast Industry experience and impeccable integrity has been applied to this family of high performance component switchers. These component switchers are not repackaged single channel switchers. They are specifically designed from ground-up, to handle the demands of component high-resolution signals.

The 2RU 860-XL1616V video only and 860-XL1616AV with audio follow is presently a 'mid size' member of this family of products from Link Electronics. Some of the features of the 861-1616 include:

Compact design. Just 2RU (3 "). Competing 16x16 multimedia switchers are typically 5RU (8 3/4").

Modular design. All the electronics are on front removable 'hot swappable' plug-in modules.

The H and V sync channels are based on the same 300MHz analog switching crosspoint used for the Red, Green, and Blue channels. This allows the 860-1616 to handle ANY computer sync rate, polarity or amplitude without risk of introducing distortions or jitter to these signals.

Inputs and outputs are via HD-15 computer multimedia standard connectors. By eliminating the BNC connectors LINK has eliminated one of the primary causes of signal degradation: the signal discontinuities caused by 'break-out' cables, BNC type connectors and path length variations.

Plug-in power-supply modules. Each frame has two front load slots for power supplies. One PS is standard. The second supply is the redundant power supply option. True load power monitoring is included with remote indicators for both power supplies. The video and audio power supplies are identical in all MAJESTIC series switchers.

16x16 stereo analog or AES/EBU digital audio can be added by linking a 1RU MAJESTIC audio frame to the 860-XL165V. The 'XY' control panels is included with the 860-XL165V.

# SPECIFICATION

## 860-XL165V

### VIDEO INPUTS

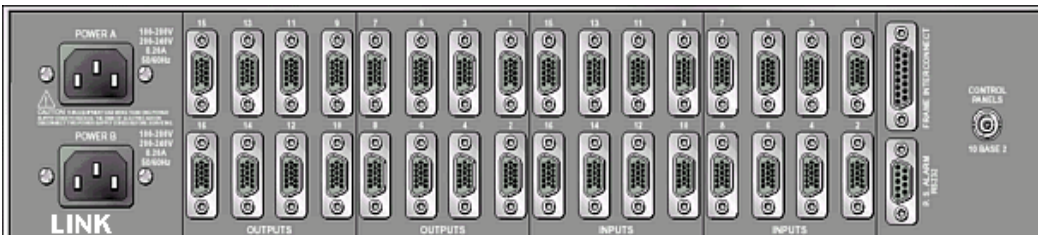
Inputs: ..... 16  
Impedance: ..... 75 Ohms, 0.1% terminating  
Coupling: ..... DC  
Connector Type: ..... HD-15  
RGB Levels: ..... 0.5Vp-p to 2Vp-p Maximum  
H & V Level: ..... 0.5Vp-p to 3Vp-p Maximum

### VIDEO OUTPUTS

Number: ..... 1 Per Bus  
Connector Type: ..... HD-15  
Impedance: ..... 75 Ohms, 0.1% Source terminating  
RGB Level: ..... 0.5Vp-p to 2Vp-p Maximum  
H&V Level: ..... 0.5Vp-p to 3Vp-p Maximum

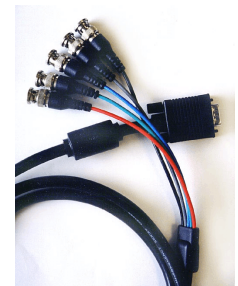
### SIGNAL INTEGRITY

Gain ..... :Unity  $\pm$ 0.1 dB.  
Freq response: .....  $\pm$ 0.1dB to 5mHz, -3dB bandwidth to 250mHz  
Resolutions: ..... Supports all graphics standards: from VGA to QXGA  
Slew rate: ..... 500V/usec.  
Ringing amplitude: ..... 1% overshoot maximum.  
Ringing duration: ..... <2ns  
Horizontal tilt: ..... <0.25%.  
Vertical tilt: ..... <0.25%.  
Crosstalk isolation: ..... 60dB to 10mHz.  
Propagation delay: ..... <5ns typical.  
In/In delay scatter: .....  $\pm$ 0.5ns.  
In/In gain scatter: .....  $\pm$ 0.05% ref unity  
DC offset: ..... <25mV  
SNR: ..... -70dB, 5mHz bandwidth, 1.0Vp-p video to RMS noise.



Model 860-XL165V

HD-15 Cable (Not Supplied)



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