

# 16x16 HD/SDI Router with Stereo Audio Follow

## Model 862-XL1616HD/3



- ◆ HD/SDI , **With Analog Audio Follow**
- ◆ Local or Remote Control Panel
- ◆ AFV, breakaway, or X-Y Control
- ◆ Maximum of 256 Remote Panels
- ◆ RS-232 Serial Control, Standard

The 800 Series Routing Switchers are wide bandwidth vertical interval switchers designed for professional video production facilities. The compact design of Link's routing switchers makes them an essential part of any facility.

Packaged in a 19" rack mountable chassis, the switchers are supplied with a single front-loaded power supply. An optional redundant power supply is available. High quality front panel push buttons are used for selection of inputs and outputs.

Remote control panels are interconnected with standard Ethernet 10Base2 single coax connections. RS-232 is provided through a standard D-sub connector. Panels can be set to control a single output bus or the entire matrix.

The 863-XL1616HD/SDI is a high definition video router that also accepts SDI with stereo audio follow.

The Link Switcher's flexibility is unmatched in the industry. Modular construction offers unique flexibility to the user, and provides an easy means of adding additional features or upgrading to digital modules. Power supplies are accessible from the front of the unit and may be easily installed or removed. Analog switchers can easily be upgraded to digital by adding field installable modules.

Industry standard BNC connectors are used for video inputs and removable 3-Pin connectors are used for stereo audio inputs and outputs.

Routers are available for analog video only, analog video with stereo audio follow, digital video only, and digital video with two-stream AES/EBU audio follow. (Note: the 32 x 32 switcher is available with SDI and HD/SDI switching.) **The router is supplied with the local control panel with audio break-away.**

The Link 862-XL1616HD/SDI routing system features:

- Modular Design – plug-in modules for video & audio. No active components on the frame.
- Two power supply slots are accessible from the front panel. One power supply is standard.
- A redundant power supply is available as an option.
- Detachable X-Y front panel control with Ethernet 10Base2 coax connection.
- Analog Stereo Audio Follow unit, 1RU
- RS-232 control standard.
- The 16X16 Video switcher is in a 1 RU

### Remote Mounting Kits for Control Panels

The supplied control panel for all switchers is shipped installed into the front of the main electronics chassis. The control panel can be removed from the electronics chassis in the field and installed into a remote mounting kit. The mounting kit hardware includes rack-mounting hardware for the control panel, a blank panel(s) that is installed onto the front of the electronics chassis, and a power supply. Order the appropriate rack mounting kit from the list below:

<b>862-XL1616HD/1</b>	16 x16 HD/SDI High Definition Video Only Routing Switcher with Control Panel	One Rack
<b>862-XL1616HD/3</b>	16 x16 HD/SDI Video Routing Switcher with Stereo Audio Follow Video/ CP	One Rack
<b>862-XL1616HD/2</b>	16 x16 HD/SDI Video Routing Switcher with AES Audio-follow with Control Panel	One Rack

**LINK ELECTRONICS, INC.** 2137 Rust Avenue Cape Girardeau, MO 63703-7668

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# 16X16AAF Routing Switcher with Audio Follow

MODEL 862-XL1616HD/3

## HD/SDI VIDEO INPUT:

Data Rate: . . . . . 270,Mbps 360Mbps, 540Mbps, 1.4835 Gbps  
Data Type: . . . . . SMPTE 259M, SMPTE 292M, SMPTE 344M, DVB-ASI  
Input Cable Equalization: . . . . . Automatic up to 300 meters@270 Mbps, 100 meters @ 1.485Gbps  
Number Inputs: . . . . . 16  
Video Level: . . . . . 800 mV  
Impedance: . . . . . 75 $\Omega$  Looping  
Coupling: . . . . . DC  
Connector: . . . . . BNC  
Return Loss: . . . . . >15 dB @ 1.485Gbps

## ANALOG STEREO AUDIO INPUT:

Connector Type: . . . . . Weco, 3-Pin Disconnect  
Impedance: . . . . . 20K $\Omega$   
Level: . . . . . +26dBu, maximum  
CMRR: . . . . . 60dB @ 1 KHz

## HD/SDI VIDEO OUTPUTS:

Number: . . . . . 16  
Connector: . . . . . BNC  
Level: . . . . . Unity Gain,  $\pm 0.1$  dB  
Character Video: . . . . . 90 IRE Units  
Return Loss: . . . . . >15dB @1.485Gbps  
Impedance: . . . . . 75 $\Omega$   $\pm 1\%$   
Vertical Interval Switching: . . . . . Line 6, NTSC  
Differential Gain: . . . . . 0.10%, 10% to 90% APL  
Differential Phase: . . . . . 0.10 $^\circ$ , 10% to 90% APL  
Crosstalk: . . . . . 62dB  
Propagation Delay: . . . . . 5 nS, typical  
Hum and Noise: . . . . . >60dB to 5 Hz  
DC Offset: . . . . . <25mV  
Line Rate Tilt: . . . . . <0.1%  
Field Rate Tilt: . . . . . <0.1%  
SNR: . . . . . -73dB

## ANALOG AUDIO OUTPUTS:

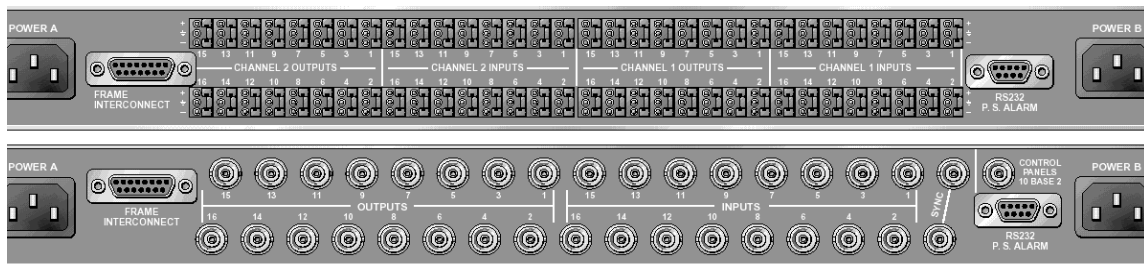
Signal Type: . . . . . Balanced  
Connector Type: . . . . . Weco, 3-Pin Disconnect  
Impedance: . . . . . >30 $\Omega$   
Level: . . . . . 26dBu, maximum  
Frequency Response: . . . . .  $\pm 0.1$ dB to 20kHz, ref 1kHz  
Crosstalk: . . . . . 90dB @ 10 KHz  
DC Offset: . . . . . <50mV  
SNR: . . . . . <100dB, 20Hz to 20KHz  
IM/THD: . . . . . <0.02%

## ENVIRONMENTAL:

Temperature: . . . . . 0 $^\circ$  to 50 $^\circ$  C ambient  
Humidity: . . . . . 10%/90% non-condensing  
Power: . . . . . 9.5 VAR  
AC Voltage: . . . . . 120/240 VAC $\pm 10\%$ , 50/60Hz

## MECHANICAL:

Height: . . . . . 1.75 inches  
Width: . . . . . 19 inches  
Depth: . . . . . 9.25 inches  
Weight: . . . . . 9lbs



TOP VIEW IS AUDIO FOLLOW & BOTTOM VIEW IS REAR OF VIDEO ROUTER

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