



**LINK ELECTRONICS, INC.**

## SERIAL DIGITAL DISTRIBUTION AMPLIFIER MODEL LEI-550



MADE IN THE USA



### FEATURES

- ◆ Adjustable Output Level
- ◆ Accepts All Standards
- ◆ Serial Digital Input
- ◆ Six Serial Outputs
- ◆ Fault Indication
- ◆ Re-Shaped
- ◆ Equalized

The LINK LEI-550 serial digital video distribution amplifier restores the incoming signal to its proper amplitude. The signal is reshaped with automatic equalization, re-sliced and DC restored. Six outputs are provided on the rear panel.

A module fault LED on the front panel of the unit indicates that the input signal level is below a pre-set threshold.

The LEI-550 accepts composite 143 Mb/s and 177Mb/s, component 270Mb/s, and 16:9 aspect ratio 360Mb/s standards. The signal is transparent to the incoming signal data rate. The output level is adjustable from the front panel.

The 500 series products are compact designed for portable operation or fixed studio use. Any 500 series along with the 700 series will operate in the PRT-700 mounting frame.

**LINK ELECTRONICS, INC.** ◆ 2137 Rust Avenue ◆ Cape Girardeau, MO 63703-7668  
Phone 573 334 4433 ◆ FAX 573 334 9255

# MODEL LEI-550 SERIAL DIGITAL DA

## SPECIFICATIONS

### SERIAL DIGITAL VIDEO INPUT:

Standard: ..... 143Mb/s, SMPTE 259M-C  
..... 177Mb/s  
..... 270Mb/s  
..... 360Mb/s  
Impedance: ..... 75Ω  
Return Loss: ..... >20dB  
Signal Level ..... 800mV±10%, Adjustable  
CMR: ..... 30Vp-p, up to 60Hz  
Connectors: ..... BNC

### SERIAL VIDEO OUTPUTS:

Number of Outputs: ..... 6  
Standards: ..... Same as input  
Connectors: ..... BNC  
Impedance: ..... 75Ω  
Return Loss: ..... >15dB  
Signal Level: ..... 800mV to 1000mV  
DC Offset: ..... 0V±0.5V  
Rise & Fall Time: ..... 1nS ±250 ps  
Equalization: ..... Automatic up to >30dB  
Overshoot: ..... <10% of Amplitude  
Through Delay: ..... 10nS

### FRONT CONTROLS & INDICATORS:

Power: ..... Green LED  
No Signal: ..... Red LED

### ENVIRONMENTAL:

Temperature: ..... 0° to 50°C Ambient  
Humidity: ..... 10% to 90% non-condensing  
Power: ..... 2.5W

### DIMENSIONS:

Height: ..... 1 Inch  
Width: ..... 5.5 Inches  
Depth: ..... 9.25 Inches  
Weight: ..... 2 Lbs., 8 Oz.



LEI-550 REAR PANEL



PRT-700 RACK TRAY

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PROFESSIONAL SERIES--

stand-alone system products--by **LINK**

LEI-550/103102

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