



# LEI-550/310

## Serial Digital Distribution Amp SMPTE 310



The LEI-550/310 SMPTE 310 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 fault LED on the front panel of the unit indicates that the input signal level is below a pre-set threshold. A power LED indicates that the unit is running at the proper voltages.

The LEI-550/310 accepts composite 143 Mb/s, 177Mb/s, component 270Mb/s, 16:9 aspect ratio 360Mb/s standards, SMPTE 310, and ASI. 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.

### Exceptional Technical Support

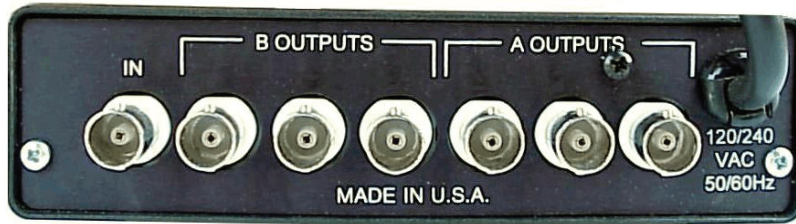
The LEI-550/310 is backed by the Link Electronics standard 10-year warranty and 24/7 free customer support. It meets the innovative, high performance, flexibility, and reliability requirements of all Link Electronics products.

## Features

- Adjustable Output Level
- SMPTE 310 Serial Digital Input

- Six Serial Outputs
- Fault Indication
- Re-Shaped

- Equalized
- ASI compatible



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Serial Digital Distribution Amp  
SMPTE 310



### Serial Digital Video Input:

Standard:

SMPTE 259M-C

ASI

SMPTE 310

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 Indicators:

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

### Environmental:

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

**NOTE: For 240 VAC, modification is required. Please notify support or sales at time of purchase.**

### Dimensions:

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



The manufacture reserves the right to change specifications without notice

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