

HD or SD DIGITAL DISTRIBUTION AMPLIFIER



Model LEI-532

FEATURES

- ★ AC Powered, Portable
- ★ SMPTE 259M, 344M, 292M compliant
- ★ Serial Digital Input
- ★ HD Input
- ★ Four Serial Outputs
- ★ Lock/Format Indication
- ★ Automatic Equalization and Re-clocking

The LINK LEI-532 serial distribution amplifier restores the incoming signal to its proper amplitude. The signal is reshaped with automatic equalization, and DC restoration. The LEI-532 's maximum equalized cable length; for SD up to 350meters at 270Mb/s, and HD up to 140 meters at 1.485Gb/s. Four outputs are provided on the rear panel, as well as a detachable AC power cord.

There are three switches on the front panel that select, 1) Re-Clock On/Off, 2) Auto format select or DVB-ASI, 3) DC Restoration On/Off. There are four outputs that represents the input.

The LEI-532 input signal can be 143Mb/s, 177Mb/s, 270Mb/s, 360Mb/s, 540Mb/s, and 1.4835/1.485Gb/s standards. The front panel has two LED's that tell if the input signal has locked, and whether the data is Serial Digital standard definition, or High Definition, HD/SDI. The signal output level is 800mV p-p, and relocked

The 500 series products are compact designs that allow three units to mount in the PRT-700, one unit tray. There are 17 products in the 500 and 700 series that can mount in the PRT-700 rack tray. Backed by Link's 10-year warranty, the LEI-532 will provide years of outstanding performance.

LINK ELECTRONICS, INC.

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PROFESSIONAL SERIES--
portable system products--by **LINK**

LEI-532 SERIAL DIGITAL DISTRIBUTION AMPLIFIER

SPECIFICATIONS

Serial Digital Video Input:

Number of Inputs:	1
Connectors:	BNC
Standards:	
Composite:	143Mb/s
Component:	177Mb/s, 270Mb/s, 360Mb/s, 540Mb/s
HD Component:	1.4835/1.485Gb/s
Impedance:	75Ω
Return Loss:	>15dB
Signal Level:	800mV
Input Cable Length Max:	
SD, Restore ON:	850 Feet@ 270Mb/s
SD, Restore OFF:	250 Feet@ 270Mb/s
HD, Restore ON:	250 Feet @ 1.485Gb/s
HD, Restore OFF:	50 Feet @ 1.485Gb/s
CMR:	25Vp-p, up to 60Hz

Digital Outputs:

Number of Outputs:	4
Connectors:	BNC
Standards:	Same as input
Impedance:	75Ω
Return Loss:	>15dB
Signal Level:	800mV
Rise & Fall Time:	
SD:	220ps Max
HD:	800ps Max
Overshoot:	8% of Amplitude
Additive Jitter:	
SD at 270Mb/s:	25ps p-p, typical
HD at 1.485Gb/s:	15ps p-p, typical

Front Panel LED:

Lock Detect:	Green LED
SD:	Green LED
HD:	Red LED

Front Panel Switches:

Re-Clock:	On/Off
DVB:	Auto 177 or pass DVB
DC Restoration:	On/Off

ENVIRONMENTAL:

Temperature:	0° to 50°C Ambient
Humidity:	10% to 90% non-condensing
Power:	4.2 Watts

MECHANICAL:

Height:	1.75 Inch
Width:	5.5 Inch
Depth:	9.25 Inch
Weight:	2.5 Pounds

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