



DIGITALINX

DL-HD50C Quick Start Guide



Included Accessories

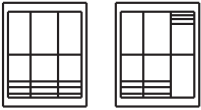
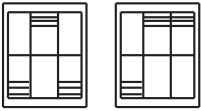
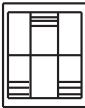
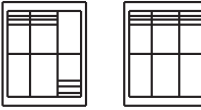
- Installation Guide
- Wideband IR Tx/Rx cable
- (2) 5V1A DC Power Supply Adaptors

The DigitaLinx DL-HD50C is an HDMI Extender over Single Cat6 with IR up to a distance of 164ft/50m. The DL-HD50C features EDID management, which allows and encourages source and display “handshake” for seamless integration. Deep color video, 1080p High Definition resolution, DTS-HD or Dolby TrueHD audio are supported with this extender.

In addition, The DL-HD50C is sold as a set with a transmitting unit and receiving unit. The transmitting unit is used to capture the HDMI input with IR and carries the signals via one cost effective Cat6 F/UTP cable. The receiving unit is responsible for equalizing the transmitted HDMI signal and reconstructing IR control signals. The extender offers the most convenient solution for HDMI extension over a single Cat6 with long distance capability, and is the perfect solution for any application.

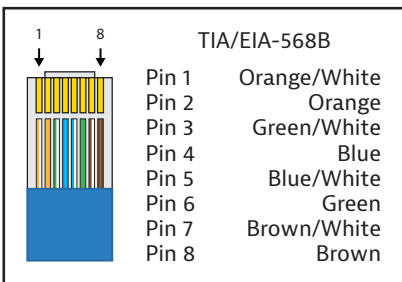
Equalizer Distance Adjust

Adjust the EQ switch signal level from MIN to MAX until desired video quality is displayed. MAX stands for the strongest HDMI signal level for the longest possible transmission length while MIN stands for the weakest HDMI signal level for short transmission length.

Recommended EQ Setting	
Position	Cable Length
 <p>0 1</p>	Under 15 meters (49.5ft)
 <p>2 3</p>	15-30m (49.5 ft- 99ft)
 <p>4 5</p>	30-40m (99ft- 132ft)
 <p>6 7</p>	40-50m(132ft- 164ft)

Instructions

1. Verify all components included with the extender set are present before installation.
2. Turn off power and disconnect the audio/video equipment by following the manufacturer's instructions.
3. Connect solid core Category 6 F/UTP greater twisted pair cable with RJ45 connectors between the transmitter and the receiver. TIA/EIA-568B straight-through wiring connections are recommended.
4. Connect a source such as a Blu-Ray Player, game console, A/V Receiver, Cable or Satellite Receiver, etc. to the HDMI input on the Transmitter.
5. Connect a display such as an HDTV or HD Projector to the HDMI output on the Receiver.
6. For power, plug both the Transmitter and Receiver unit with the included power supplies to power the entire DL-HD50C circuit
7. IR in: Connect to the IR Receiver for IR signal reception. Ensure that remote being used is within the direct line-of-sight of the IR receiver.
8. IR out: Connect the IR Blaster cable included in the package for IR signal transmission. Pace the IR blaster in direct line-of-sight of the equipment to be controlled.
9. Power on attached audio/video devices.
10. EDID: The switcher can switch copy EDID function, switch to right position, the extender will copy HDMI loop out display EDID information to source. Switch to left position, the extender will copy Receiver display EDID to source.



Twisted Pair Wiring

Use TIA/EIA-568B wiring for Category 6 connections between send and receive units and when using the Ethernet connections.

Important notice:

- Do not attempt to disassemble or alter the extender housing. There are no user-serviceable parts inside the unit. Doing so will void your warranty.
- To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.
- Do not connect the extender to a telecommunication outlet wired to unrelated equipment. Doing so may damage the unit or any connected equipment. Ensure all connected twisted pair cabling is straight-through (point-to-point).
- Allow proper ventilation to reduce the risk of thermal failure.

Technical Specifications

Supported Audio and Video

Video Bandwidth	Single-link 165Mhz [4.95Gbps]
Video Support	480i/480p/720p/1080i/1080p@60
Embedded Audio Support	Surround Sound (up to 7.1 ch) or stereo digital audio
Transmission Range	HD [1080p 24-bit color] – up to 50m [164ft]
Input TMDS Signal	3.3 volts
Input DDC Signal	5.0 volts/P-P
ESD Protection	Human Body model: +/- 8 kV (air-gap discharge) +/- 4 kV (contact discharge)
HDMI connector	Type A 19 pin female
RJ-45 connector	8P8C
3.5mm connector	(TX and RX) IR Receiver/IR Blaster

Chassis and Environmental

Operating Temperature	32~104 °F
Storage Temperature	-4 ~140 °F
Operating Humidity (Environment)	20~90 % RH (no condensation)

Power

Power Consumption	1.5 watts (TX); 1.0 watts (RX)
Power Supply Output Voltage	5V1A DC

Other

Standard Warranty	5
Included Items	Installation Guide, Wideband IR Tx/Rx cable, (2) 5V1A DC Power Supply Adaptors



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