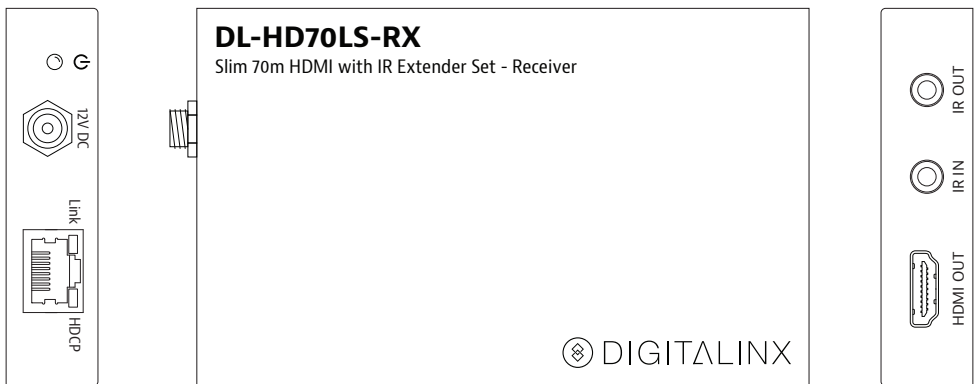
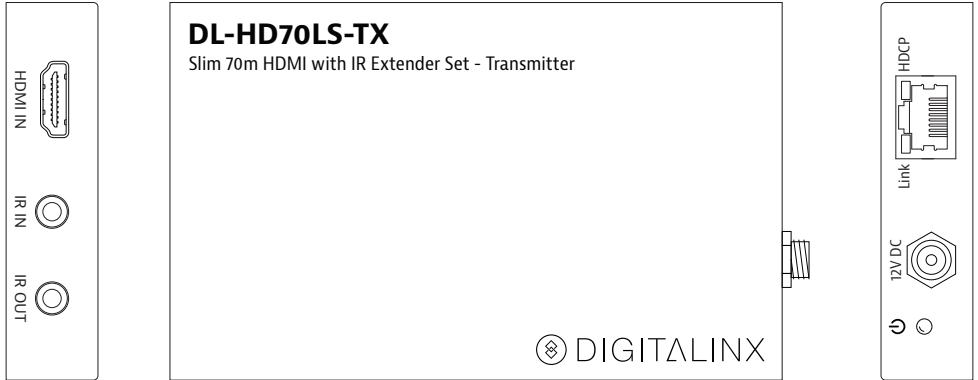


DIGITALINX

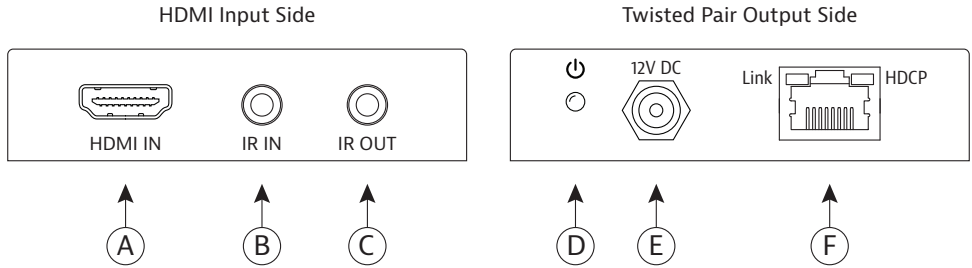
DL-HD70LS Installation Guide



Important notice:

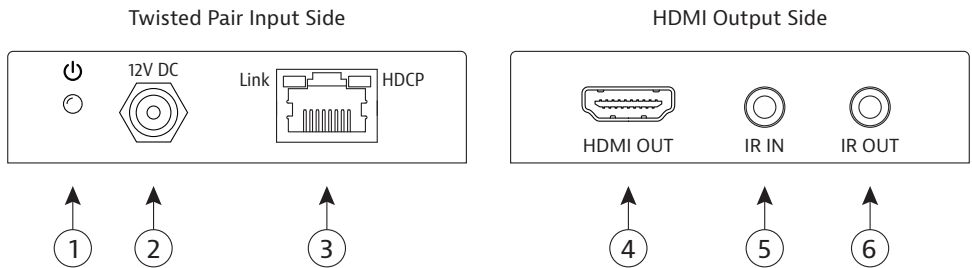
- Do not attempt to disassemble or alter the housing. There are no user-serviceable parts inside the unit. Doing so will void your warranty.
- To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.
- Do not connect the device 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.

Transmitter Connections



- A. HDMI Input
- B. IR Input
- C. IR Output
- D. Power Indicator
- E. 12V DC Input
- F. Twisted Pair Output with Link and HDCP Status Indicators

Receiver Connections



- A. Power Indicator
- B. 12V DC Input
- C. Twisted Pair Input with Link and HDCP Status Indicators
- 4. HDMI Output
- 5. IR Input
- 6. IR Output

The DigitalLinx DL-HD70LS extender set transmits HDMI (1080p, 4Kx2K (UHD) & 3D), including HDCP 2.2, and bidirectional IR up to 70 meters away using a single solid core, shielded Category 5e twisted pair cable.

Built-in surge protection helps ensure hassle-free and robust installations. The 12 volt power supply is secured with a screw-on connector to prevent the power from being accidentally disconnected.

The DL-HD70LS is sold only as a set. The individual transmitter and receiver are not compatible with other HDBaseT devices due to proprietary PoE circuitry.

Instructions

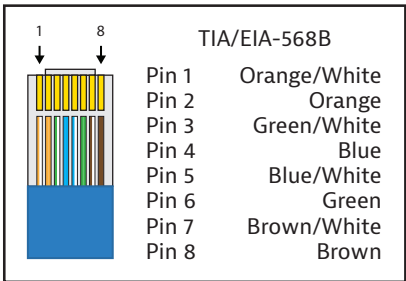
1. Verify all components included with the extender set are present before installation.
2. If the extenders are going to be permanently mounted to a surface, attach the included mounting brackets with the supplied screws.
3. Turn off power and disconnect the audio/video equipment by following the manufacturer's instructions.
4. Connect solid core, shielded Category 6 or greater twisted pair cable with RJ45 connectors between the transmitter and the receiver. TIA/EIA-568B straight-through wiring connections must be used.
5. Connect an HDMI cable and any desired control accessories between the display and the receiver.
6. Connect an HDMI cable and any desired control accessories between the source and the transmitter.
7. Connect the included power supply to the transmitter or the receiver and lock the power supply to the power connector by twisting the locking collar clockwise.
8. Power on attached audio/video devices.

LED States

Solid Link - Link established between transmitter and receiver

Flashing HDCP - HDMI signal is not encrypted

Solid HDCP - HDMI signal is encrypted



Twisted Pair Wiring

Use TIA/EIA-568B wiring for Category 5e connections between transmit and receive units.

Technical Specifications

Supported Audio and Video	
Maximum Video Compatibility	70 m: Deep Color 36/30/24 Bit at 1080p
	40 m: Deep Color 48 Bit at 1080p, 3D, and 4k x 2k (UHD)
Video Compliance	HDMI, HDCP, and CEC (Consumer Electronics Control)
Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
IR Carrier Frequency Range	33-55kHz at 5 volts
HDBaseT Signal Characteristics	
Maximum Distance	70 m
Cable Requirements	Solid core shielded Category 5e, Category 6 or greater with TIA/EIA-568B crimp pattern
Bandwidth	10.2 Gbps
Chassis and Environmental	
Dimensions (H x W x D)	18 mm x 120 mm x 74 mm (0.71 in x 4.72 in x 2.91 in)
Operating Temperature (Environment)	0° to +40° C (+32° to +104° F)
Operating Temperature (Chassis)	31° C (88° F) (S); 38° C (100° F) (R)
Operating Humidity (Environment)	20% to 90%, Non-condensing
Power	
Maximum Power Consumption	12 watts
Power Supply Input Voltage	100-240V AC at 50-60 Hz
Power Supply Output Voltage	12V DC
Regulatory	CE, RoHS
Other	
Standard Warranty	2 Years
Included Items	Installation Guide, Power Supply, Adapter Plugs (US, EU, AU, UK), Mounting Brackets (4 ea), Mounting Screws (4 ea)
IR Transmitter	DIGIB-EMT
IR Receiver	DIGIB-EYE, IR-AC

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.



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