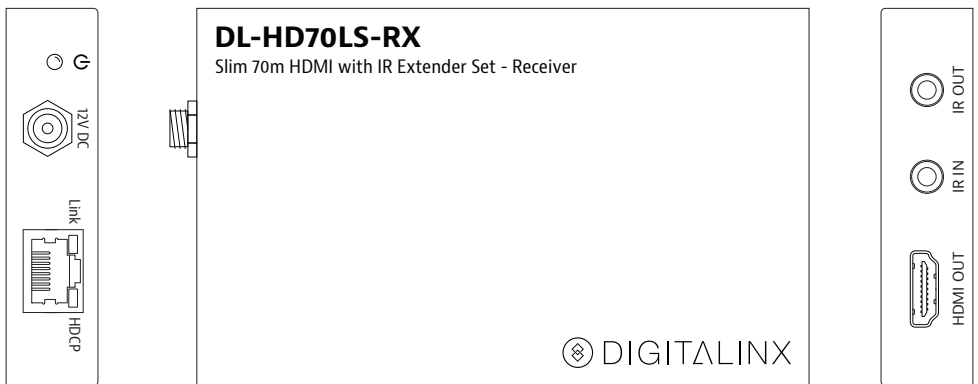
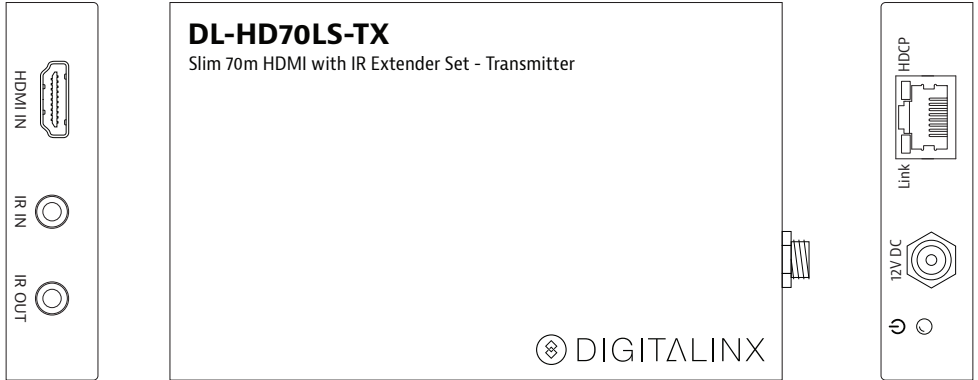


# DIGITALINX

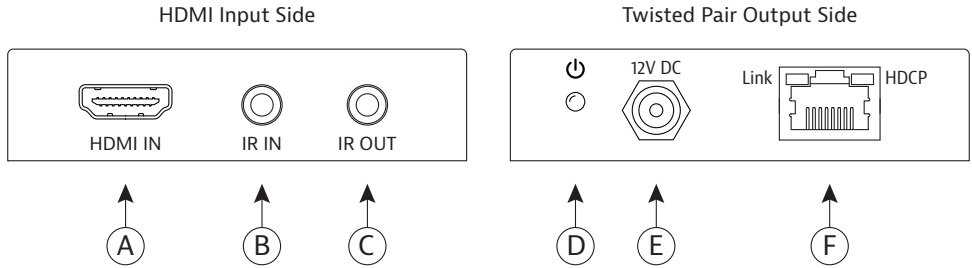
## DL-HD70LS Installation Guide



### Important notice:

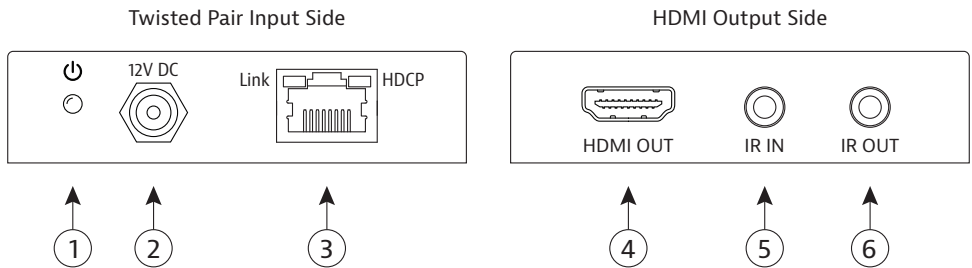
- Do not attempt to disassemble or alter the housing. There are no user-serviceable parts inside the unit. Doing so will void your warranty.
- To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.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

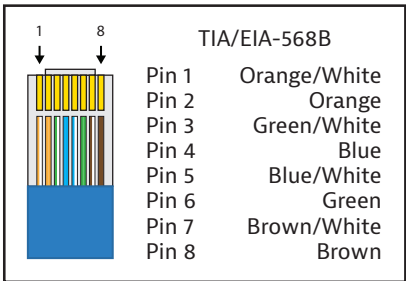
1. Verify all components included with the extender set are present before installation.
2. If the extenders are going to be permanently mounted to a surface, attach the included mounting brackets with the supplied screws.
3. Turn off power and disconnect the audio/video equipment by following the manufacturer's 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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rev 161129