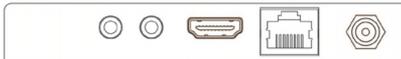
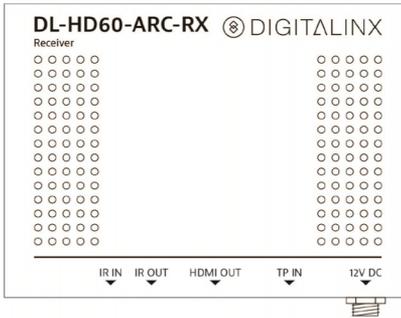
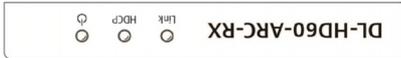
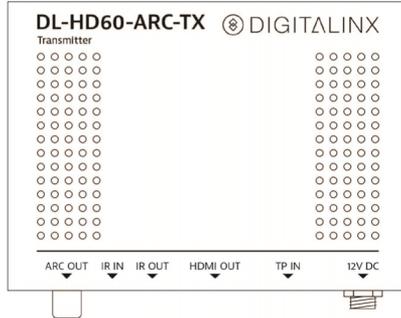




# DIGITALINX

## DL-HD60-ARC Installation Guide



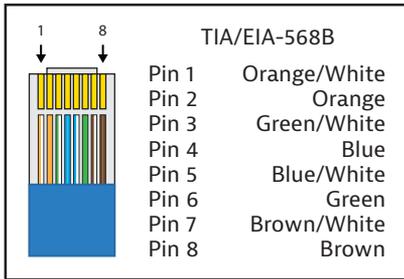
### Included Accessories

- Installation Guide
- Power Supply
- Four Mounting Brackets with Screws
- Eight Rubber Feet

The DigitaLinx DL-HD60-ARC HDBaseT extender set transmits HDMI (1080p and UHD/30) including HDCP 1.4, Bi-directional IR control and High Bandwidth of 10.2Gps up to 70 meters away using a single Category 6 twisted pair cable.

Built-in diagnostic LEDs ensure hassle-free and robust installations. The DL-HD60-ARC supports ARC providing a solution where users have flexibility to enable audio upstreaming from display to speakers.

The 12V PoC integrated design allows the units to be powered at the TX or RX, and only one power supply is required. The 12 volt power supply is secured with a screw-on connector to prevent the power from being accidentally disconnected.



#### Twisted Pair Wiring

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

#### Diagnostic LEDs:

The DL-HD60-ARC provides three LEDs to indicate the current operating status and to assist troubleshooting an installation.

*Power:* Solid Red, the DL-HD60-ARC extender is receiving power from the power supply or from the remote extender via Category 6 cabling.

*HDCP:* Solid Green, HDCP signal is present. Flashes quickly, no HDCP signal is present.

*Link:* Solid Green, the two DL-HD60-ARC extenders are communicating via Category 6 cabling.

#### Important notice:

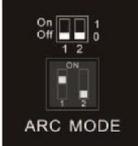
- Do not attempt to disassemble or alter the extender housing. There are no user-serviceable parts inside the unit. Doing so will void your warranty.
- To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.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

# 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.
3. Turn off power and disconnect the audio/video equipment by following the manufacturer's instructions.
4. Connect Category 6 or greater twisted pair cable with RJ45 connectors between the transmitter (DL-HD60-ARC-TX) and the receiver (DL-HD60-ARC-RX). TIA/EIA-568B straight-through wiring connections must be used with all HDBaseT extenders.
5. Connect a HDMI cable between the display and the receiver (DL-HD60-ARC-RX).
6. Connect a HDMI cable between the source and the transmitter (DL-HD60-ARC-TX).
7. Connect the included power supply to either the transmitter or receiver and lock the power supply to the power connector by twisting the locking collar clockwise.
8. Power on attached audio/video devices.
9. When using the bi-directional IR control, please do the following:  
(A) Connect an IR emitter to the **IR OUT** port at either the transmitter or receiver.  
(B) Connect an IR receiver to the **IR IN** port at the other end.

## ARC Solution

Coax audio ports and HDMI ports support ARC (Audio Return Channel) function which enables a display via a single audio/ HDMI cable to send (upstream) audio to amplifiers/ speakers, increasing user flexibility. The transmitter provides an ARC switcher on the bottom panel to enable ARC mode selection. There are 2 modes in total, Connections should vary in different ARC modes to ensure normal ARC output. See the chart below:

| ARC Mode   | Description   | Connection   |
|--|---|--|
| <br>10 | Deem TX as ARC device ,TX is merely a transmission medium for ARC signal. | Connect a Source device (Ex: Blu-Ray, DVD player) to the HDMI display. |
| <br>00 | Deem AVR device as ARC device.  | Connect a ARC device (Ex: Amplifier) to the TX.                        |

## Technical Specifications

| Supported Audio and Video        |  |
|----------------------------------|--|
| Maximum Video Compatibility      | 70m: 1080p/60 & 40m: 4k x 2k @30Hz (4:2:0)   |
| Resolution Range                 | 800x600@60Hz - 4Kx2K@30Hz  |
| Video Compliance                 | HDMI 1.4, HDCP 1.4   |
| Control Method                   | Bi-directional IR  |
| HDBaseT Signal Characteristics   |  |
| Transmission Distance            | CAT 5e/6: 1080p: Max 70m; 3840x2160: Max 40m   |
| 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                       | 84mm x 16.2mm x 115mm (3.31 in. x 0.64 in. x 4.53 in.)                                 |
| Operating Temperature            | 0° to +50° C (+32° to +122° F)   |
| Storage Temperature              | -20° to +70° C (-4° to +158° F)  |
| Operating Humidity (Environment) | 10 % to 90%, Non-condensing  |
| Power                            |  |
| Power Supply Input Voltage       | 100-240V AC at 50-60 Hz  |
| Power Supply Output Voltage      | DC12V - 1A   |
| Regulatory                       | CE, UL, FCC  |
| Other                            |  |
| Standard Warranty                | 2 Years  |
| Included Items                   | Installation Guide, Power Supply, (4) Mounting Brackets with Screws, (8) Rubber Feet   |



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