



# DIGITALINX

## DL-HDCOAX Installation Guide



### Included Accessories:

- Installation guide
- (2) Power supplies
- IR Tx cable
- IR Rx cable

The Digitalinx DL-HDCOAX is an HDMI over Coax extender that accommodates distances up to 100 meters (328ft). The DL-HDCOAX supports resolutions up to 1080p and 48KHz Digital Audio.

The DL-HDCOAX features IR capability allowing the user to control the source from the display. The DL-HDCOAX is HDMI 1.3 and HDCP 1.1 compliant. The transmitter and receiver are powered on both ends, power supplies are provided with the set.

## Instructions

1. Verify all components included with the extender set are present before installation.
2. Connect the source device to the HDMI input using an HDMI cable that is less than or equal to 5 meters in length.
3. Connect coaxial cable with BNC connectors between the transmitter and receiver. RG6 Quad shielded coaxial cable is recommended with this product.
4. Connect the display devices to HDMI output using HDMI cables that are less than or equal to 5 meters in length.
5. IR is available to control the source from the display. Connect the IR receiver to the IR RX port on the receiver. Connect the IR transmitter to the IR TX port on the transmitter.
6. Plug both power supplies into the power input port on the transmitter and receiver.
7. The LED light will illuminated red when power is connected and active.
8. Power on attached audio/video devices.

### **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.

## Troubleshooting Tips:

No signal, Power LED is off

- No power to outlet
- Bad power supply, switch with known good to verify.

No signal, Power LED is on

- Lower resolution on the source.
- Test with another HDMI cable or shorter coaxial cable.
- Bad BNC connectors, replace connectors on the coaxial cable.
- Test with another HDMI source.

Speckling in the video image

- If the destination device is incapable of displaying the video signal, alter the source signal; i.e., decrease resolution from 1080p to 1080i, etc.

Choppy or intermittent audio

- Wrong sample rate, set source to 48kHz sampling frequency.

Video without audio

- Change source device to output PCM rather than Bitstream audio.
- Enable PCM down sampling if supported by your source device.

# Technical Specifications

<b>I/O Connections</b>	
HDMI Input	One (1) HDMI Type A Receptacle
Coaxial connection	One (1) female BNC
<b>I/O Connections</b>	
HDMI output	One (1) HDMI Type A Receptacle
Coaxial connection	One (1) female BNC
<b>Supported Audio and Video</b>	
Maximum Coaxial distance	100 meters (328ft)
Maximum Passive HDMI Distance	5m (16 ft)
Deep Color Mode	36 bits (12 bits /color) bandwidth up to 225MHz
Supported Audio	48KHz LPCM Digital Audio
Video Compliance	HDMI 1.3, HDCP 1.1
<b>Chassis and Environmental</b>	
Enclosure	Painted steel
Dimensions	80 mm x 41 mm x 25 mm (3.14 in x 1.61 in x 0.98 in)
Shipping Weight	0.54 kg (1.20lbs)
Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-20°C to +60° C (-4° to +140° F)
Storage Humidity	20% to 90%, Non-condensing
<b>Power, ESD, and Regulatory</b>	
Power Supply Input Voltage	100-240v at 50/60 Hz at 0.15 A
Power Supply Output Rating	5v DC at 1 A
ESD Protection	15kV
Device Regulatory	CE, RoHS, FCC
Power Supply Regulatory	UL, FCC, LPS
<b>Other</b>	
Warranty	2 years
Diagnostic Indicators	Power LED
Included Accessories	Installation guide, (2) power supplies, IR Tx cable, IR Rx cable

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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