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VALUE-ENGINEERED DIGITAL SOLUTIONS

DL-HDR-H2 Quick Install Guide

LIBERTY
AV SOLUTIONS
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Product Overview

The DigitaLinx DL-HDR-H2 is an HDMI 2.0b booster / equalizer designed to extend HDMI signals up to 4k@60Hz / 4:4:4 / 8 bit color up to 20 meters / 66 feet. The DL-HDR-H2 supports HDMI 2.0b and HDCP 2.2 encryption.

The total transmission distance of a 4K@60Hz / 4:4:4 / 8 bit color signal (~17-18Gbps) is up to 20 meters / 66 feet, maximum distance from the HDMI output of the DL-HDR-H2 to TV display is 10 meters / 33 feet using a High Speed HDMI cable rated at 18Gbps
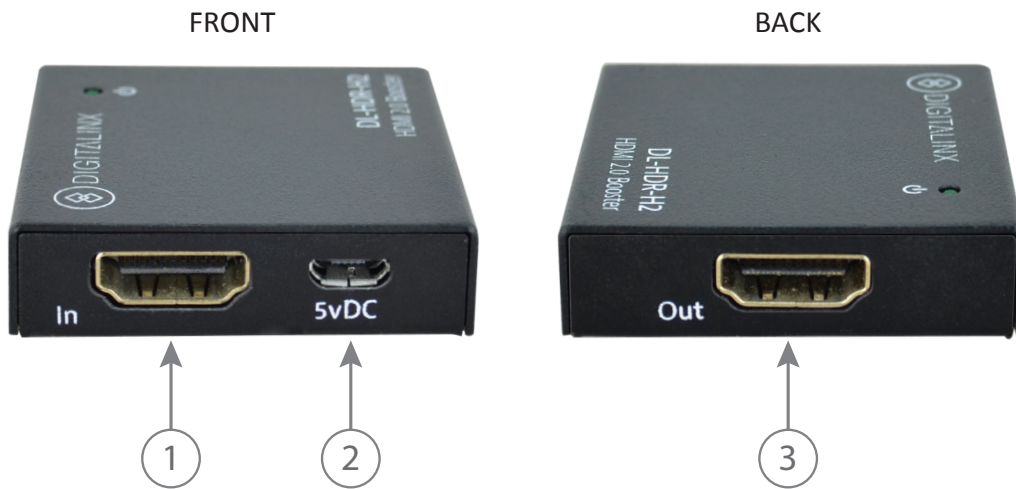
The total transmission distance of a 4K@30Hz / 4:4:4 / 8 bit color signal (~9Gbps) is up to 35 meters / 115 feet, maximum distance from the HDMI output of the DL-HDR-H2 to TV display is 15 meters / 50 feet using a High Speed HDMI cable rated at 10.2Gbps

The total transmission distance of a FullHD 1080p signal (~4.9Gbps) is up to 50 meters / 165 feet, maximum distance from the HDMI output of the DL-HDR-H2 to TV display is 30 meters / 100 feet using a Standard Speed HDMI cable rated at 4.9Gbps

Package Contents

- DL-HDR-H2 HDMI 2.0b Booster
- Quick Install Guide
- (1) DC5V 1A US power supply
- (1) Micro USB-B to USB-A Cable
- (2) Mounting ears with mounting screws

Front and Back View

FRONT   BACK

1. **HDMI IN** - HDMI input port for connection to HDMI video source

2. **5VDC** - Micro USB B power supply port

3. **HDMI OUT** - HDMI output port for connection to display

Connectivity Instructions

1. Verify all components included with the booster 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 an HDMI cable between the A/V source and the DL-HDR-H2 booster.

5. CConnect an HDMI cable between the display and the DL-HDR-H2 booster.

6. Connect the included power supply to the DL-HDR-H2 booster.

7. Power on attached audio/video devices.

Wiring Diagram

Media Player

4K@60Hz: 10m / 33' max

4K@30Hz: 20m / 66 max

1080p: 20m / 66' max

FRONT

In   5vDC

HDMI

BACK

Out

4K@60Hz: 10m / 33' max

4K@30Hz: 15m / 50' max

1080p: 30m / 100' max

Display

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Technical Specifications

Supported Audio and Video	
Video Compliance	HDMI 2.0b, HDCP2.2
Input / Output Resolution Support	Up to 4096x2160@60Hz (4:4:4 chroma sub-sampling / 8 bit deep color)

System Characteristics / Cabling Requirements	
Maximum Distance (Input)	*4K@60Hz 4:4:4 (~17-18Gbps)*: 10 meters / 33 feet *4K@30Hz 4:4:4 (~10Gbps)*: 20 meters / 66 feet *1080p (4.9Gbps)*: 20 meters / 66 feet
Maximum Distance (Output)	*4K@60Hz 4:4:4 (~17-18Gbps)*: 10 meters / 33 feet *4K@30Hz 4:4:4 (~10Gbps)*: 15 meters / 50 feet *1080p (4.9Gbps)*: 30 meters / 100 feet
Cable Requirements	*4K@60Hz 4:4:4 (~17-18Gbps)*: High Speed HDMI rated at 18Gbps *4K@30Hz 4:4:4 (~10Gbps)*: High Speed HDMI rated at 10.2Gbps *1080p (4.9Gbps)*: 20 meters / Standard Speed HDMI rated at 4.9Gbps
Bandwidth	18 Gbps

Chassis and Environmental	
Dimensions (H x W x D)	12 mm x 45.5 mm x 49 mm (.5 in x 1.8 in x 1.9 in)
Product Weight	55g / 0..1lbs
Operating Temperature	-25° to +55° C (-4° to +131° F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Operating Humidity (Environment)	10% to 90%, Non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) ±4kV (Contact discharge
Surge Protection	Voltage: ±1 kV

Power	
Maximum Power Consumption	1 watt (max)
Power Supply Input Voltage	100-240V AC at 50-60 Hz
Power Supply Output Voltage	5V DC 1A
Regulatory	CE, FCC, RoHS

Other	
Standard Warranty	5 Years
Included Items	Quick Install Guide, US Power Supply, Micro USB-B to USB-A Cable, (2) Mounting Brackets with mounting Screws

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

Thank you for your purchase.

For Technical Support please call our toll free number at
800-530-8998 or email us at supportlibav@libav.com

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