

## DisplayPort to DVI/HDMI over Cat5/6 Extender Kit - 1080p @ 60 Hz, RS-232, IR Control, 328 ft., TAA

MODEL NUMBER: B160-101-DPHDSI



Converts DisplayPort A/V to an IP-based signal that is transmitted point-to-point to a DVI or HDMI display 328 ft. away via Cat5e/6 cable.

### Features

#### DP to DVI/HDMI Kit for Digital Signage or Extending Video in Schools or Trade Show Booths

This transmitter/receiver kit extends and distributes DisplayPort audio/video, RS-232 serial and IR (infrared) remote signals from a DisplayPort source, such as a laptop or media server, to a DVI or HDMI display. This point-to-point installation allows you to place a monitor, projector or television up to 328 feet (100 meters) away, which is more than 200 feet farther than a traditional Cat5e/6 solution. Plus, by adding a chain of unmanaged network switches, such as Tripp Lite's NG5, you can continue extending the distance between source and display up to 328 feet per switch.

#### Scale Up to a Multi-In, Multi-Out Installation to Take You Beyond 328 Feet

You can create an installation featuring multiple sources and displays by connecting a dedicated managed Ethernet network switch with Internet Group Management Protocol (IGMP), such as Tripp Lite's NSS-G16D2. By adding multiple managed switches, you can create a multi-in, multi-out installation with as many as 64 transmitters and 255 receivers. The IGMP-enabled switch will let you manage all connections for centralized control over which sources show on which displays. Note: unmanaged switch installations are limited to two transmitter units. The number of receivers is limited to the number of ports remaining on the unmanaged switch. This transmitter/receiver extender kit is designed for use with a dedicated network switch. Connecting a switch used with other networking equipment will result in degraded or non-functional performance.

#### Transmits Crystal-Clear 1080p Video with Stereo Audio

The B160-101-DPHDSI supports video resolutions up to 1920 x 1080 (1080p) at 60 Hz with 24-bit True Color in a managed switch installation. It extends IR signals that control a DisplayPort source to a remote display, as well as RS-232 signals at serial baud rates up to 57600 Bps. This allows you to operate the source device's remote control (play, rewind, pause, etc.), while standing near the receiver located up to 328 feet away. An adapter cable is included for converting the receiver's HDMI signal for a DVI display.

#### Plug-and-Play Operation for Quick Setup and Immediate Use

The included transmitter and receiver units work right out of the box with no software required. Mounting hardware is included for installing the units on walls, poles or 19-inch racks. Cat6 patch cable (such as Tripp Lite's N202-Series) can be used to connect the transmitter to the receiver or a network switch. Connect an additional display to the transmitter's local output with HDMI cable (such as Tripp Lite's P568- or P569-Series) to monitor the image being transmitted to a remote display.

### Highlights

- Delivers HD picture quality at resolutions up to 1920 x 1080 (1080p) @ 60 Hz
- Transmitter and receiver connect point-to-point without a switch up to 328 ft.
- Transmitter's local HDMI port lets you monitor images being shown on remote displays
- Plug-and-play operation with no software required for easy, immediate installation
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### Applications

- Keep your video source in a secure location, with displays located elsewhere for viewing by the intended audience
- Create an easily updatable video board communicating dynamic information, such as a restaurant menu or a theater schedule
- Display arrivals, departures and up-to-the-minute information in an airport or train station
- Duplicate audio/video content across multiple displays, show different content on multiple screens or create an impressive video wall made up of many monitors (multiple transmitters and receivers required)

### System Requirements



#### TAA-Compliant for GSA Schedule Purchases

The B160-101-DPHDSI is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

- Source device with DisplayPort output (media server, laptop)
- Display devices with DVI or HDMI input (HDTV, projector, monitor)

#### Package Includes

- B160-001-DPSI transmitter unit
- B160-100-HDSI receiver unit
- IR-Out cable
- IR-In cable
- HDMI to DVI adapter cable
- (2) 3.5 mm to DB9 adapter cables (M/F)
- (2) External power supplies with 4.5 ft. cord (Input: 100–240V, 50/60 Hz, 0.5A; Output: 5V 2A)
- (8) International plug adapters (North America, Europe, U.K., Australia)
- (2) Sets of mounting hardware
- (2) Owner's manuals

## Specifications

OVERVIEW	
UPC Code	037332237798
INPUT	
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
External Power Supply Input Specs (V / Hz / A)	100-240V, 50/60HZ, 0.5A
External Power Supply Output Specs (V / A)	5V / 2A
External Power Supply Cord Length (ft.)	4.5
External Power Supply Cord Length (m.)	1.4
External Power Supply DC Barrel Connector Specs	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve



External Power Supply Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
External Power Supply Certifications	BSMI; CB; CE; FCC; GS; PSE; RCM; UL; cUL
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	RJ45 Input (Green = Power, Orange = Signal), Power = Green
<b>PHYSICAL</b>	
Color	Black
Material of Construction	Metal
Rackmountable	Yes
Receiver Unit Dimensions (hwd / in.)	1.169 x 5.039 x 3.937
Receiver Unit Weight (lbs.)	0.2
Shipping Dimensions (hwd / cm)	7.62 x 14.73 x 34.04
Shipping Dimensions (hwd / in.)	3.00 x 5.80 x 13.40
Shipping Weight (kg)	1.59
Shipping Weight (lbs.)	3.50
Transmitter Unit Dimensions (hwd / in.)	1.169 x 5.039 x 3.937
Transmitter Unit Weight (lbs.)	0.2
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	32 to 104F (0 to 40C)
Storage Temperature Range	5 to 122F (-15 to 50C)
Relative Humidity	0% to 85%, Non-Condensing
<b>COMMUNICATIONS</b>	
Signal Range (ft.)	328
Signal Range (m)	100
Latency	2-3 Seconds
<b>CONNECTIONS</b>	
Side A - Connector 1	(1) DISPLAYPORT (FEMALE); (1) HDMI (FEMALE); (1) RJ45 (FEMALE)
Side A - Connector 2	(2) 3.5MM (FEMALE)
Side B - Connector 1	(1) HDMI (FEMALE); (1) RJ45 (FEMALE)
Side B - Connector 2	(2) 3.5MM (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
Port Selection	Pushbutton; Software



Max Supported Video Resolution	1920 x 1080 (1080P) @ 60 Hz
HDMI Specification	1.4
HDCP Specification	1.4
Audio Specification	Supports Stereo Audio
Driver Required	No
Max Supported Color Depth	24-bit True Color
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
3D Video Supported	Yes
Technology	A/V over IP; DVI; DisplayPort; HDMI; Serial (RS232)
Transmission Distance	100m (328-ft.)
<b>CERTIFICATIONS</b>	
Certifications	Tested to
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	1-year limited warranty

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