

# HDBaseT Class B (HDBaseT-Lite) HDMI over Cat5e/6/6a Extender Kit with Power, Serial & IR, 4K x 2K 30 Hz UHD / 1080p 60 Hz, Up to 230 ft. (70 m), TAA

MODEL NUMBER: BHDBT-K-SPI



Extends HDMI video/audio, RS-232 serial and IR control signals with Power over a single Cat5e/6/6a cable to a projector, monitor or television up to 230 ft. from the source.

## Description

The BHDBT-K-SPI HDBaseT Class B (HDBaseT-Lite) HDMI over Cat5e/6/6a Extender Kit extends uncompressed HDMI audio and video, RS-232 serial and IR remote control signals up to 230-ft. (70.1 m) over a single Cat5e/6/6a cable, including video resolutions up to 1920 x 1080 (1080p) @ 60Hz. It also extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal up to 130-ft. (39.62 m).

In addition to HDMI and IR signals, this extender kit features built-in PoE technology, which powers the receiver over Cat5e/6/6a cable, eliminating the need for an external power source.

You can also control RS-232 serial devices, such as touchscreen displays or scanners, at baud rates up to 115 Kbps. The two-way IR remote control feature (@ 39 KHz) lets you control your Blu-ray player using its remote when at the remote monitor or control your remote monitor using its remote when at the Blu-ray player. Locking HDMI ports (ideal for use with Tripp Lite's P569-006-LOCK high-speed HDMI cables with locking connectors) on both the transmitter and receiver prevent cables from coming loose or undone, ensuring an intact signal.

The plug-and-play BHDBT-K-SPI supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio, as well as 3D video, EDID and HDCP. Attach the transmitter and receiver units to a wall, rack or pole with the included mounting hardware.

## Features

### Highlights

- Ideal for digital signs, classrooms and trade show booths
- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30Hz signal up to 130-ft. (39.62 m)
- Extends a 1920 x 1080 (1080p) @ 60Hz signal up to 230-ft. (70.1 m)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD
- Built-in PoE technology powers receiver over Cat5e/6/6a cable

### Package Includes

- Transmitter unit
- Receiver unit
- IR-IN cable, 5-ft. (1.52 m)
- IR-OUT cable, 6-ft. (1.83 m)
- External Power Supply with C14 inlet (Input: 100-240V, 50/60 Hz, 1.5A; Output: 48V, 1.04A), 4.5-ft. (1.37 m)
- C13 to NEMA 5-15P power cord, 6-ft. (1.83 m)
- Mounting hardware
- Owner's manual



**Tripp Lite**  
1111 W. 35th Street  
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www.tripplite.com

#### **Extends HDMI Video/Audio, RS-232 Serial and IR Control Signals with Power Over a Single Cat5e/6/6a Cable**

- Ideal for digital signage, classrooms, retail locations, conference rooms and trade show booths
- Extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal up to 130-ft. (39.62 m)
- Extends a high-definition 1920 x 1080 (1080p) @ 60Hz signal up to 230-ft. (70.1 m)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio
- Supports 3D video, EDID and HDCP
- Reduces cable clutter and installation costs
- Built-in PoE technology powers receiver over Cat5e/6/6a cable, eliminating need for external power source

#### **Controls Other Display Devices**

- 2-way 39 KHz IR remote control functionality lets you control your Blu-ray player with its remote while standing at the remote monitor (and vice versa)
- RS-232 serial port supports 115 Kbps full-duplex baud rates for scanners and touchscreen monitors

#### **Locking HDMI Ports on Transmitter and Receiver**

- Prevent cables from coming loose or disconnected, ensuring an intact signal
- Ideal for use with Tripp Lite's P569-006-LOCK high-speed HDMI cables with locking connectors

#### **Easy to Set Up and Use**

- Plug and play with no software or drivers to download and install
- Includes mounting hardware for installing each unit on a wall, rack or pole

#### **TAA-Compliant**

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## **Specifications**

OVERVIEW	
UPC Code	037332189516
Product Type	Extender Kit
AC Adapter	Input: 100-240V, 50/60Hz, 1.5A; Output: 48V, 1.04A, 4.5 ft.
Technology	HDBaseT; HDMI; Serial (RS232); IR; Cat5/5e; Cat6; POC
VIDEO	
Max Supported Video Resolution	3840x2160 (4K @ 30Hz)
Max 720P Range (ft)	230



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Max 1080P Range (ft)	230
Max 1280 x 720 (720p) Range (ft)	230
Max 1920 x 1080 (1080p) Range (ft)	230
Max 1920 x 1200 Range (ft)	230
Max 2560 x 1600 Range (ft)	130
Max 3840 x 2160 (4K@30Hz) Range (ft)	130
Transmitter Video Input	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Signal Range (ft)	130
Signal Range (m)	40
Recommended Cabling	HDMI
Max Supported Color Depth	36-bit Deep Color
3D Video Supported	Yes
<b>AUDIO</b>	
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD
<b>POWER</b>	
Power Source	Transmitter end only (Included)
Power Source Type	AC Adapter with detachable power cord
AC Plug Type	NEMA 5-15P
External Power Supply Input Specs (V / Hz / A)	100-240V / 50-60Hz / 2.0A
External Power Supply Output Specs (V / A)	48V/1.04A
External Power Supply Cord Length (ft.)	4.5
External Power Supply Cord Length (m.)	1.4
External Power Supply Certifications	UL; cUL; PSE; FCC; CE; TUV; LPS; RoHS; WEEE
Power Over Cable (PoC) Support	Yes
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	RJ45 INPUT/OUTPUT (GREEN / POWER, ORANGE / LINK) ACTIVITY (FLASHING ORANGE WHEN TX/RX POWERED AND CONNECTED) HDMI LINK (GREEN WHEN SIGNAL IS BEING SENT FROM SOURCE TO DISPLAY) POWER (GREEN)



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PHYSICAL	
Color	Black
Included Mounting Accessories	Wallmount
Number of Displays	1
Optional Mounting Accessory Notes	Can DIN Mount using Tripp Lite Bracket <a href="http://www.tripplite.com/din-rail-mounting-bracket-for-digital-signage-version-2-B110-DIN-02">B110-DIN-02</a>
Form Factor/Mounting Options	Box; Wall-mount
Receiver Unit Dimensions (hwd / in.)	3.97 x 5.04 x 1.17
Receiver Unit Weight (lbs.)	1.7
Shipping Dimensions (hwd / cm)	21.41 x 15.01 x 8.10
Shipping Dimensions (hwd / in.)	8.43 x 5.91 x 3.19
Shipping Weight (kg)	1.35
Shipping Weight (lbs.)	2.98
Transmitter Unit Dimensions (hwd / in.)	3.97 x 5.04 x 1.17
Transmitter Unit Weight (lbs.)	1.7
Unit Dimensions (hwd / in.)	3.97 x 5.04 x 1.17
Unit Packaging Type	Box
Unit Weight (kg)	0.77
Unit Weight (lbs.)	1.7
Housing	Metal
ENVIRONMENTAL	
Operating Temperature Range	32 to 122 F (0 to 50 C)
Storage Temperature Range	(-)40 TO 158 F (-40 TO 70 C)
Relative Humidity	10% TO 90% RH, Non-Condensing
Operating Humidity Range	10% TO 90% RH, Non-Condensing
Storage Humidity Range	10% TO 90% RH, Non-Condensing
COMMUNICATIONS	
Max 1024 x 768 Range (ft)	230
Max 480P Range (ft)	230
Max 1440 x 900 Range (ft)	230
Max 1080i Range (ft)	230
Max 1920 x 1440 Range (ft)	130
Max 4K UHD Range (ft)	130



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Max 480i Range (ft)	230
Max 640 x 480 Range (ft)	230
Max 800 x 600 Range (ft)	230
Max 1600 x 1200 Range (ft)	230
Max 2048 x 1536 Range (ft)	130
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
Consumer Electronics Control (CEC) Supported	Yes
USB Extension Support	No
<b>CONNECTIONS</b>	
Ports	1
Side A - Connector 1	HDMI (FEMALE)
Side A - Connector 2	RJ45 (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)
Side B - Connector 3	DB9 (MALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
HDCP Specification	1.4
Driver Required	No
Built-In Equalizer	No
<b>STANDARDS &amp; COMPLIANCE</b>	
Certifications	Tested to FCC, RoHS, REACH
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	1-year limited warranty

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