

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

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 |
| AUDIO | |
| Audio Input | HDMI |
| Audio Output | HDMI |
| Audio Specification | 7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD |
| POWER | |
| 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 |
| USER INTERFACE, ALERTS & CONTROLS | |
| 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) |

| PHYSICAL | |
|---|--|
| Color | Black |
| Included Mounting Accessories | Wallmount |
| Number of Displays | 1 |
| Optional Mounting Accessory Notes | Can DIN Mount using Tripp Lite Bracket B110-DIN-02 |
| 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 |
| CONNECTIONS | |
| 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) |
| FEATURES & SPECIFICATIONS | |
| HDCP Specification | 1.4 |
| Driver Required | No |
| Built-In Equalizer | No |
| STANDARDS & COMPLIANCE | |
| Certifications | Tested to FCC, RoHS, REACH |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 1-year limited warranty |

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