

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

MODEL NUMBER: BHDBT-R-SI



Works with a Tripp Lite HDBaseT matrix transmitter to extend uncompressed HDMI video and audio, RS-232 serial and IR remote control signals over a Cat5e/6/6a cable up to 230 ft. to a projector, monitor or television.

## Description

The BHDBT-R-SI HDBaseT Class B (HDBaseT-Lite) HDMI over Cat5e/6/6a Extender Receiver works in tandem with the Tripp Lite BHDBT-Series matrix transmitter in your HDBaseT Class B installation to extend uncompressed HDMI video and audio, RS-232 serial and IR remote control signals.

Using a single Cat5e/6/6a cable, the BHDBT-R-SI can extend an HD 1920 x 1080 (1080p) @ 60Hz signal up to 230 feet (70 m) or an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz video signal up to 130 feet (40 m). To further extend and expand your installation, you can insert up to five BHDBT-TR-SI Extender Transceivers between the receiver and transmitter for a total range up to 780 feet (4K x 2K @ 30Hz) or 1,380 feet (1080p @ 60Hz) with a monitor connected to each transceiver.

You can control RS-232 serial devices, such as touchscreen displays or scanners, at baud rates up to 115 Kbps. The 2-way IR Remote Control feature (@ 39 KHz) lets you control your Blu-ray player using its remote when at the remote monitor and vice versa. The monitor connects to the rear locking HDMI port (ideal for use with Tripp Lite's P569-006-LOCK High-Speed HDMI cables with locking connectors) that prevents the cable from coming loose or undone, ensuring an intact signal.

The BHDBT-R-SI supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio, as well as 3D video, EDID and HDCP. Included mounting hardware lets you attach the receiver to a wall, rack or pole. Sets up quickly with no software to download or install.

## Highlights

- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30 Hz signal up to 130 ft. (40 m)
- Extends a 1080p @ 60 Hz signal up to 230 ft. (70 m)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD
- Mounts easily to wall, rack or pole
- Plug and play—no software or drivers to install

## Package Includes

- BHDBT-R-SI HDBaseT Class B HDMI over Cat5e/6/6a Extender Receiver
- IR-IN cable
- IR-OUT cable
- 3.5 mm Male to DB9 Female adapter cable
- 3.5 mm Male to DB9 Male adapter cable
- External Power Supply with NEMA 1-15P Plug (Input: 100–240V, 50/60 Hz, 0.5A; Output: 5V, 3A)
- Mounting hardware
- Owner's Manual



## Features

### Supports the Latest Video and Audio Applications

- Connects to Tripp Lite BHDBT-Series matrix transmitter with a single Cat5e/6/6a cable
- Extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal up to 130 ft. (40 m)
- Extends a High Definition 1920 x 1080 (1080p) @ 60Hz signal up to 230 ft. (70 m)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio
- Supports 36-bit Deep Color (12 bits per channel), CEC passthrough, 3D video, EDID and HDCP
- Add up to 5 BHDBT-TR-SI Extender Transceivers to further expand the range of your installation up to 780 ft. (4K x 2K @ 30Hz) or 1,380 ft. (1080p @ 60Hz) with a monitor attached to each transceiver

### Allows You to Control Other 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 devices such as scanners and touchscreen monitors

### Easy to Set Up and Use

- Plug-and-play engineering—no software or drivers to download and install
- Included mounting hardware lets you install unit on a wall, rack or pole
- Locking HDMI port (ideal for use with Tripp Lite's P569-006-LOCK HDMI cables) prevents cable from coming loose or disconnected, ensuring an intact signal

### TAA-Compliant

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

## Specifications

OVERVIEW	
UPC Code	037332187017
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A
Technology	HDBaseT; HDMI (All types); Serial (RS232); IR
PHYSICAL	
Shipping Dimensions (hwd / in.)	2.200 x 8.400 x 6.500
Shipping Dimensions (hwd / cm)	5.59 x 21.34 x 16.51
Shipping Weight (lbs.)	1.3400
Shipping Weight (kg)	0.61



Unit Dimensions (hwd / in.)	1.1 x 4.5 x 2.5
Included Mounting Accessories	Y
Color	Black
Unit Weight Details	0.55lbs
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	0 to 40 C (32 to 104 F)
Storage Temperature Range	-20 to 60 C (-4 to 140 F)
Relative Humidity	20 to 90%
<b>COMMUNICATIONS</b>	
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 1080P Range (ft)	230
Max 1920 x 1440 Range (ft)	130
Max 2560 x 1600 Range (ft)	130
Max 4K UHD Range (ft)	130
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 1920 x 1200 Range (ft)	130
Max 2048 x 1536 Range (ft)	130
Max 720P Range (ft)	230
<b>CONNECTIONS</b>	
Ports	1
Side A - Connector 1	HDMI (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
10/100 Ethernet Extension Support	No



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<b>CERTIFICATIONS</b>	
Approvals	CE, FCC, RoHS, REACH
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	1-year limited warranty

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