

# HDBaseT HDMI over Cat5e/6/6a Extender Receiver, Serial and IR, 4K x 2K 30 Hz UHD / 1080p 60 Hz, Up to 328 ft. (100 m), TAA

MODEL NUMBER: BHDBT-R-SI-LR



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 328 ft. to a projector, monitor or television.

## Description

The BHDBT-R-SI-LR HDBaseT Extender Receiver works in tandem with the Tripp Lite BHDBT-Series matrix transmitter in your HDBaseT 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-LR can extend a 1920 x 1080 (1080p) signal at 60 Hz or an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) at 30Hz video signal up to 328.08-ft. (100 m). To further extend and expand your installation, you can insert up to five BHDBT-TR-SI-LR Extender Transceivers between the receiver and transmitter for a total range up to 2,000 feet (610 m) 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 also 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-LR 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.

## 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 or High Definition 1920 x 1080 (1080p) @ 60 Hz signal up to 328.08-ft. (100 m)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio
- Supports 36-bit Deep Color (12 bits per channel), CEC pass-through, 3D video, EDID and HDCP
- Add up to 5 BHDBT-TR-SI-LR Extender Transceivers to further expand the range of your installation up to 2,000 ft. (610 m) with a monitor attached to each transceiver

## Highlights

- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30Hz signal up to 328.08-ft. (100 m)
- Extends a 1080p @ 60 Hz signal up to 328.08-ft. (100 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-LR HDBaseT 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



#### 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 each 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	037332187024
Product Type	Receiver
Technology	HDBaseT; HDMI; IR; Cat5/5e; Cat6
VIDEO	
Max Supported Video Resolution	3840x2160 (4K @ 30Hz)
Max 720P Range (ft)	328
Max 1080P Range (ft)	328
Max 1280 x 720 (720p) Range (ft)	328
Max 1920 x 1080 (1080p) Range (ft)	328
Max 1920 x 1200 Range (ft)	328
Max 2560 x 1600 Range (ft)	328
Max 3840 x 2160 (4K@30Hz) Range (ft)	328
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Recommended Cabling	HDMI
Max Supported Color Depth	36-bit Deep Color
HDR Support	No
3D Video Supported	Yes
Maximum Signal Range (ft)	328



Maximum Signal Range (m)	100
<b>AUDIO</b>	
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD
<b>INPUT</b>	
Bus Powered	No
<b>POWER</b>	
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P
Power Source	Unit (Included)
Power Over Cable (PoC) Support	No
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A
External Power Supply Input Specs (V / Hz / A)	100-240V / 50-60Hz / 0.5A
External Power Supply Output Specs (V / A)	5V/3A
External Power Supply Cord Length (ft.)	4.5
External Power Supply Cord Length (m.)	1.4
DC Barrel Plug	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	GREEN UNIT LED INDICATES POWER / GREEN RJ45 LED's INDICATE HDCP IS WORKING / ORANGE UNIT LED INDICATES HDBASET SYSTEM ACTIVATION / ORANGE RJ45 LED's INDICATE HDBASET LINK
<b>PHYSICAL</b>	
Color	Black
Included Mounting Accessories	Wallmount
Number of Displays	1
Optional Mounting Accessory Notes	Can DIN Mount using Tripp Lite Bracket &nbsp;<a class="productLink" href="//www.tripplite.com/din-rail-mounting-bracket-for-digital-signage-version-1-B110-DIN-01">B110-DIN-01</a>&nbsp;
Form Factor/Mounting Options	Box; Wall-mount
Receiver Unit Dimensions (hwd / in.)	2.46 x 4.53 x 1.06
Receiver Unit Weight (lbs.)	1.01
Shipping Dimensions (hwd / in.)	2.20 x 8.40 x 6.50



**Tripp Lite**  
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Shipping Dimensions (hwd / cm)	5.59 x 21.34 x 16.51
Shipping Weight (lbs.)	1.34
Shipping Weight (kg)	0.61
Unit Dimensions (hwd / in.)	0.000 x 0.000 x 0.000
Unit Packaging Type	Box
Unit Weight (lbs.)	1.01
Unit Weight (kg)	0.46
Unit Weight Details	0.55lbs
Housing	Metal
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	32 to 104 F (0 to 40)
Storage Temperature Range	5 TO 122F (-15 TO 50 C)
Relative Humidity	0% TO 85% RH, Non-Condensing
Operating Humidity Range	0% TO 85% RH, Non-Condensing
Storage Humidity Range	0% TO 85% RH, Non-Condensing
<b>COMMUNICATIONS</b>	
Max 1024 x 768 Range (ft)	328
Max 480P Range (ft)	328
Max 1440 x 900 Range (ft)	328
Max 1080i Range (ft)	328
Max 1920 x 1440 Range (ft)	328
Max 4K UHD Range (ft)	328
Max 480i Range (ft)	328
Max 640 x 480 Range (ft)	328
Max 800 x 600 Range (ft)	328
Max 1600 x 1200 Range (ft)	328
Max 2048 x 1536 Range (ft)	328
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>	



Number of Ports	1
Side A - Connector 1	HDMI (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
HDCP Specification	1.4
Driver Required	No
10/100 Ethernet Extension Support	No
Built-In Equalizer	No
<b>STANDARDS &amp; COMPLIANCE</b>	
External Power Supply Certifications	UL; cUL; RoHS; FCC
Product Compliance	RoHS; REACH; FCC (USA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	1-year limited warranty

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