

## HDBaseT HDMI over Cat5e/6/6a Extender Receiver, Serial and IR, 4K x 2K @ 30Hz UHD / 1080p @ 60Hz, 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 feet (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

### Highlights

- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30Hz signal up to 328 ft. (100 m)
- Extends a 1080p @ 60 Hz signal up to 328 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



### 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 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

### 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                                   |
| 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)            | 328                       |
| Max 480P Range (ft)                  | 328                       |
| Max 1440 x 900 Range (ft)            | 328                       |
| Max 1080i Range (ft)                 | 328                       |
| Max 1080P Range (ft)                 | 328                       |
| Max 1920 x 1440 Range (ft)           | 328                       |
| Max 2560 x 1600 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 1920 x 1200 Range (ft)           | 328                       |
| Max 2048 x 1536 Range (ft)           | 328                       |
| Max 720P Range (ft)                  | 328                       |
| <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                        |
| <b>CERTIFICATIONS</b>                |                           |
| Approvals                            | CE, FCC, RoHS, REACH      |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

| WARRANTY                            |                         |
|-------------------------------------|-------------------------|
| Product Warranty Period (Worldwide) | 1-year limited warranty |

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