

## HDBaseT HDMI Over Cat5e/6/6a Extender Kit with Serial and IR Control, 4K x 2K @ 30Hz UHD / 1080p @ 60Hz, Up to 328 ft. (100M)

MODEL NUMBER: BHDBT-K-SI-LR



Transmit HDMI video and audio, RS-232 serial and IR Remote Control signals over a single Cat5e/6/6a cable to a projector, monitor or television. Ideal for digital signs and trade show presentations.

### Description

The BHDBT-K-SI-LR HDBaseT Extender Kit allows you to transmit HDMI audio and video, RS-232 serial and IR Remote Control signals up to 328 feet (100 m) over a single Cat5e/6/6a cable. This includes 1920 x 1080 (1080p) signals @ 60 Hz and even Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz video signals. Add up to five Tripp Lite BHDBT-TR-SI-LR transceivers (sold separately) between the transmitter and receiver units to further expand the range up to 2,000 feet (600 m) with a monitor connected via HDMI port to each transceiver.

You can also control RS-232 serial devices, such as touchscreen displays or scanners, at baud rates up to 115 Kbps. The BHDBT-K-SI-LR's 2-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 High-Speed HDMI cables with locking connectors, such as P569-006-LOCK) on both the transmitter and receiver prevent cables from coming loose or undone, ensuring an intact signal.

The BHDBT-K-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 each unit to a wall, rack or pole. There's no software to download or install, and you can have the BHDBT-K-SI-LR Extender Kit set up and ready to go quickly. Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

### Features

Supports the Latest Video and Audio Applications

### Highlights

- Extends a 1080p @ 60 Hz signal up to 328 feet (100 m)
- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30Hz signal up to 328 feet (100 m)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD
- Controls RS-232 serial devices at baud rates up to 115 Kbps
- Allows you to control a Blu-ray™ player from a remote monitor

### Package Includes

- Transmitter unit
- Receiver unit
- IR-IN cable
- IR-OUT cable
- 3.5 mm Male to DB9 Female adapter cable
- 3.5 mm Male to DB9 Male adapter cable
- (2) External Power Supplies with NEMA 1-15P Plug(Input: 100–240V, 50/60 Hz, 0.5A; Output: 5V, 3A)
- Mounting hardware
- Owner's manual



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
www.tripplite.com

- Extends a High Definition 1920 x 1080 (1080p) @ 60 Hz signal up to 328 feet (100 m)
- Extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30Hz signal up to 328 feet (100 m)
- Accepts up to five BHDBT-TR-SI-LR transceivers and six total monitors to further expand the range up to 2,000 feet (600 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

#### Allows You to Control 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

#### Easy to Set Up and Use

- Plug-and-play engineering means no software or drivers to download and install
- Ready to use in minutes
- Included mounting hardware lets you install each unit on a wall, rack or pole
- Locking HDMI ports (for use with Tripp Lite High Speed HDMI cables with locking connectors, such as P569-006-LOCK) on both the transmitter and receiver prevent cables 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	037332187093
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A
PHYSICAL	
Color	Black
Included Mounting Accessories	Y
Receiver Unit Depth (in.)	1.1
Receiver Unit Height (in.)	1.1
Receiver Unit Width (in.)	4.5
Shipping Dimensions (hwd / cm)	5.59 x 28.96 x 16.51
Shipping Dimensions (hwd / in.)	2.20 x 11.40 x 6.50



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

Shipping Weight (kg)	1.13
Shipping Weight (lbs.)	2.50
Transmitter Unit Depth (in.)	2.5
Transmitter Unit Height (in.)	1.1
Transmitter Unit Width (in.)	4.5
Unit Weight Details	0.55lbs (Transmitter) 0.5lbs (Receiver)
<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 A - Connector 2	RJ45 (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)
Side B - Connector 3	DB9 (MALE)



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

FEATURES & SPECIFICATIONS	
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
10/100 Ethernet Extension Support	No
Technology	HDBaseT; HDMI; Serial (RS232); IR
STANDARDS & COMPLIANCE	
Approvals	CE, FCC, RoHS, REACH
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

© 2020 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.

Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies:

<https://www.tripplite.com/products/product-certification-agencies>