

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	НОМІ	
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	



AUDIO HDMI Audio Input HDMI Audio Caput HDMI Audio Specification 7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD INPUT Bus Powered Bus Powered No Power AC Adapter AC Puig Type AC Adapter AC Puig Type NEMA 1-15P Power Source Unit (Included) Power Source Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A External Power Supply Uput Specs 100-240V / 50-60Hz / 0.5A V(7 Hz /A) SV/3A External Power Supply Output SV/3A External Power Supply Output SV/3A External Power Supply Cord Length (t) 1.4 DC Barrel Plug OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve USER INTERFACE, ALERTS & CONTROLS EREEN INDECATES HDBASET SYSTEM ACTIVATION / ORANGE RUAS LED's INDICATE HDBASET LINK PHYSICAL Color Black Color Black Included Mounting Accessories Valimount Number of Displays 1 Optionall Mounting Accessories Can DIN Mount using			
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Receiver Unit Weight (lbs.) 1.01	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 / cm) 5.59 x 21.34 x 16.51	Shipping Dimensions (hwd / cm)	5.59 x 21.34 x 16.51	



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Shipping Dimensions (hwd / in.)	2.20 x 8.40 x 6.50	
Shipping Weight (kg)	0.61	
Shipping Weight (lbs.)	1.34	
Unit Dimensions (hwd / in.)	1.1 x 4.5 x 2.5	
Unit Packaging Type	Box	
Unit Weight (lbs.)	1.01	
Unit Weight (kg)	0.46	
Unit Weight Details	0.55lbs	
Housing	Metal	
ENVIRONMENTAL	<u> </u>	
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	
COMMUNICATIONS		
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	
CONNECTIONS		



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

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