

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

MODEL NUMBER: BHDBT-TR-SI



Transmits uncompressed HDMI video and audio, RS-232 serial and IR remote control signals over a single Cat5e/6/6a cable up to 230 ft. to projectors, monitors or televisions in a chain.

Description

Insert the BHDBT-TR-SI HDBaseT Class B (HDBaseT-Lite) HDMI over Cat5e/6/6a Extender Transceiver between the transmitter and receiver units in your Tripp Lite HDBaseT Class B installation to extend the range of your signal. Connect its HDMI port to a projector, monitor or television to expand your installation.

Using a single Cat5e/6/6a cable, the BHDBT-TR-SI transmits uncompressed HDMI audio and video, RS-232 serial and IR control signals up to 230-ft. (70.1 m) from the previous unit in the chain (either the transmitter or another transceiver), including a 1920 x 1080 (1080p) signal @ 60 Hz. It can also extend an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) video signal up to 130-ft. (39.62 m) from the previous unit in the chain. Add up to five BHDBT-TR-SI Extender Transceivers to the chain for a total range up to 780-ft. (237.74 m) (4K x 2K) or 1,380-ft. (420.62 m) (1080p) with a monitor connected to each transceiver.

RS-232 serial signals and IR remote control signals (@ 39 KHz) also pass through the transceiver, so your HDBaseT installation can control such RS-232 devices as scanners and touchscreen displays at baud rates up to 115 Kbps. You can also operate a Blu-ray player using its remote when at the remote monitor and vice versa. Locking HDMI ports (ideal for use with Tripp Lite's P569-006-LOCK High-Speed HDMI cables with locking connectors) prevent cables from coming loose or undone, ensuring an intact signal. Attach the BHDBT-TR-SI to a wall, rack or pole using the included hardware.

Features

Extends and Expands Your HDBaseT Class B (HDBaseT-Lite) Installation

Highlights

- Extends and expands your Tripp Lite HDBaseT Class B installation
- Connects multiple monitors at different links in a chain
- Extends both a 4096 x 2160 and 3840 x 2160 (4K x 2K) @ 30 Hz signal up to 130-ft. (39.62 m)
- Extends a 1080p @ 60 Hz signal up to 230-ft. (70.1 m)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD

Package Includes

- BHDBT-TR-SI HDBaseT Class B HDMI over Cat5e/6/6a Extender Transceiver
- External Power Supply with NEMA 1-15P Plug (Input: 100–240V, 50/60 Hz, 0.5A; Output: 5V, 3A)
- Mounting hardware
- Owner's Manual



- Extends an Ultra High Definition (UHD) 4096 x 2160 or 3840 x 2160 (4K x 2K) @ 30 Hz signal up to 130-ft. (39.26 m)
- Extends a High Definition 1920 x 1080 (1080p) @ 60 Hz signal up to 230-ft. (70.1 m)
- Connects to next link in the chain with just one Cat5e/6/6a cable
- Add up to 5 transceivers to further expand the range of your installation up to 780-ft. (237.74 m) (4K x 2K) or 1,380-ft. (420.62 m) (1080p) with a monitor attached to each transceiver
- 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

Allows RS-232 and IR Control Passthrough

- Passes through RS-232 serial signals at 115 Kbps full-duplex baud rates for devices such as scanners and touchscreen monitors
- Passes through IR remote control signals so you can operate your Blu-ray player with its remote while standing at the remote monitor (and vice versa)

Easy to Set Up and Use

- Plug-and-play engineering—no software or drivers to download and install
- Inserts quickly between transmitter and receiver in Tripp Lite HDBaseT Class B installation
- Included mounting hardware lets you install each unit on a wall, rack or pole
- Locking HDMI ports (ideal for use with Tripp Lite's P569-006-LOCK HDMI cables) 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	037332187062
Product Type	Transceiver
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A
Technology	HDBaseT; HDMI; Serial (RS232); IR; Cat5/5e; Cat6
VIDEO	
Max Supported Video Resolution	3840x2160 (4K @ 30Hz)
Max 720P Range (ft)	230
Max 1080P Range (ft)	230



Max 1280 x 720 (720p) Range (ft)	230
Max 1920 x 1080 (1080p) Range (ft)	230
Max 1920 x 1200 Range (ft)	230
Max 2560 x 1600 Range (ft)	130
Max 3840 x 2160 (4K@30Hz) Range (ft)	130
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Signal Range (ft)	130
Signal Range (m)	40
Recommended Cabling	HDMI
Max Supported Color Depth	36-bit Deep Color
3D Video Supported	Yes
AUDIO	
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD
POWER	
Power Source	Unit (Included)
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P
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
External Power Supply DC Barrel Connector Specs	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
External Power Supply Certifications	UL; cUL; RoHS; FCC
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	GREEN UNIT LED INDICATES POWER / GREEN RJ45 LED's INDICATE HDCP IS WORKING / ORANGE UNIT LEDS INDICATE HDMI OUTPUT CONNECTION, RJ45 OUTPUT CONNECTION, AND RJ45 INPUT CONNECTION / ORANGE RJ45 LED's INDICATE HDBASET LINK
PHYSICAL	



Color	Black
Included Mounting Accessories	Wallmount
Number of Displays	1
Optional Mounting Accessory Notes	Can DIN Mount using Tripp Lite Bracket B110-DIN-02
Form Factor/Mounting Options	Box; Wall-mount
Receiver Unit Dimensions (hwd / in.)	1.2 x 5 x 4
Receiver Unit Weight (lbs.)	1
Shipping Dimensions (hwd / cm)	5.59 x 21.34 x 16.51
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.)	1.2 x 5 x 4
Unit Packaging Type	Box
Unit Weight (kg)	0.45
Unit Weight (lbs.)	1
Unit Weight Details	1lb.
Housing	Metal
ENVIRONMENTAL	
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%
Operating Humidity Range	20 to 90%
Storage Humidity Range	20 to 90%
COMMUNICATIONS	
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 1920 x 1440 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 2048 x 1536 Range (ft)	130
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	
Ports	0
Side A - Connector 1	HDMI (FEMALE)
Side B - Connector 1	(2) RJ45 (FEMALE)
FEATURES & SPECIFICATIONS	
HDCP Specification	1.4
Driver Required	No
Built-In Equalizer	No
STANDARDS & COMPLIANCE	
Certifications	Tested to FCC, RoHS, REACH
Approvals	CE, FCC, RoHS, REACH
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

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