

HDBaseT Class B (HDBaseT-Lite) HDMI Over Cat5e/6/6a Extender Kit, Serial & IR Control, 4Kx2K @ 24/30Hz UHD / 1080p @ 60Hz, Up to 230-ft. (70M), TAA

MODEL NUMBER: **BHDBT-K-SI**



Description

The BHDBT-K-SI HDBaseT Class B (HDBaseT-Lite) Extender Kit allows you to transmit HDMI audio and video, RS-232 serial and IR Remote Control signals up to 230 feet (70 m) over a single Cat5e/6/6a cable, including a 1920 x 1080 (1080p) signal @ 60 Hz. Or you can extend an Ultra High Definition (UHD) 3840 x 2160 (4K x 2K) @ 24/30Hz video signal up to 130 feet (40 m). Add up to five Tripp Lite [BHDBT-TR-SI](#) transceivers (sold separately) between the transmitter and receiver units to further expand the range up to 780 feet (3840 x 2160 @ 24/30Hz) or 1,380 feet (1080p @ 60Hz) 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'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 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 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

- Extends an Ultra High Definition (UHD) 3840 x 2160 (4K x 2K) @ 24/30Hz signal up to 130 feet (40 m)
- Extends a High Definition 1920 x 1080 (1080p) @ 60 Hz signal up to 230 feet (70 m)
- Accepts up to five [BHDBT-TR-SI](#) transceivers and six total monitors to further expand the range up to 780 feet (3840 x 2160 @ 24/30Hz) or 1,380 feet (1080p @ 60Hz)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio

Highlights

- Extends a 3840 x 2160 (4K x 2K) @ 24/30Hz signal up to 130 feet (40 m)
- Extends a 1080p @ 60 Hz signal up to 230 feet (70 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



- 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	
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 3A
PHYSICAL	
Included Mounting Accessories	Y
Color	Black
Unit Weight Details	0.55lbs (Transmitter) 0.5lbs (Receiver)
Transmitter Unit Height (in.)	1.1
Transmitter Unit Width (in.)	4.5
Transmitter Unit Depth (in.)	2.5
Receiver Unit Height (in.)	1.1
Receiver Unit Width (in.)	4.5
Receiver Unit Depth (in.)	1.1
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%
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 1080P Range (ft)	230
Max 1920 x 1440 Range (ft)	130
Max 2560 x 1600 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 1920 x 1200 Range (ft)	130
Max 2048 x 1536 Range (ft)	130
Max 720P Range (ft)	230
CONNECTIONS	
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)
FEATURES & SPECIFICATIONS	
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
10/100 Ethernet Extension Support	No
CERTIFICATIONS	
Approvals	CE, FCC, RoHS, REACH
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty



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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>