HDMI over Cat6 Extender Kit, Transmitter and Receiver with Repeater, 4K 60Hz, 4:4:4, IR, HDR, PoC, 230 ft., TAA

MODEL NUMBER: **B127A-111-BHTH**

HDMI extender kit with transmitter and transceiver extends a 4K signal via Cat6 cable to an HDMI display up to 230 ft. away.

Features

HDMI Extender Kit Ideal for Digital Signage in Schools, Restaurants and Lecture Halls
This complete transmitter and transceiver system is recommended for video presentations in conference rooms, schools, trade shows, meeting facilities, houses of worship, retail settings, hotels and other digital signage applications where the source and display are farther apart than conventional A/V cables allow. The B127A-111-BHTH extends 4K signals from an HDMI source device to an HDMI display up to 230 feet away via user-supplied Cat6 cabling. IR remote control lets you operate the source from the display end of the installation.

Transmits Crystal-Clear 4K Video with Multi-Channel Audio, HDR and 4:4:4 Color
The B127A-111-BHTH supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz, as specified by HDMI 2.0, with full, rich uncompressed DTS-HD, Dolby TrueHD and 7.1-channel digital audio. High Dynamic Range (HDR) provides a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. HDCP 2.2 compliance allows you to stream 4K Amazon and Netflix content with no complications. This extender kit also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor. Built-in equalization allows you to fine-tune the image quality at the remote display.

Local HDMI Port on Transmitter Supports 4K @ 60 Hz Resolution
To monitor the video signal being extended to the transceiver, connect a 4K display to the transmitter's local HDMI port with a user-supplied HDMI cable. This port does not support multi-resolution capabilities, so the connected monitor must also support 4K/60 Hz to function properly.

Built-In PoC Technology Provides Transceiver Power to Avoid Bulky External Power Bricks
Power over Cable (PoC) technology powers the transceiver over Cat6 cable. LEDs on both the transmitter and transceiver will light up to indicate the system is receiving power and a signal is being transmitted. PoC lets you avoid the hassle of a bulky power brick and gives you the freedom to place the transceiver where needed without worrying about finding a nearby AC outlet.

Create a Daisy Chain to Achieve Even More Distance
This extender kit is capable of forming daisy-chain installations up to 920 feet from the transmitter by connecting additional B127A-110-BH transceivers (sold separately). Up to four total B127A-110-BH transceivers can be chained together, each capable of extending a 4K/60 Hz signal up to 230 feet per

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Power over Cable (PoC) technology provides power to the transceiver via Cat6 cable
- Transmitter's local port shows you the 4K image being displayed at the other end
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Applications

- Connect a laptop for a video or PowerPoint presentation in an auditorium or lecture hall, where the source device changes frequently
- Extend video signals from one room to another using Cat6 cable, which can pass through conduit to meet building codes
- Gain flexibility in where the transceiver is placed, with the freedom to move and relocate it away from an AC outlet
- Improve the line of sight for digital signage in a hotel, restaurant, theater, house of worship, trade show or other location

System Requirements

- Source device with HDMI output (Blu-ray player, cable box, laptop)
- Display device with HDMI input (HDTV, projector, monitor)

Package Includes

- Transmitter
- Transceiver
- External power supply (Input: 100–240V, 50/60 Hz, 0.6A; Output: 24V 1A)
- (4) International plug adapters (North America, Europe, U.K. and Australia)
- IR-In cable
- IR-Out cable
- Mounting hardware

unit. The transceiver is also compatible with B127A-010-H signal booster (sold separately), which allows the signal to be boosted up to 400 feet total between the transmitter and transceiver. When used in a daisy-chain installation, this brings the total extension distance up to 1,090 ft. *Note*: *B127A-010-H will only work when used in the first link of the daisy-chain installation.*

Plug-and-Play Operation for Quick Setup and Immediate Use
The included transmitter and transceiver units work right out of the box with no software required. Mounting hardware is included for installing the transmitter on a wall, pole or 19-inch rack. Connect the transmitter to the source with a user-supplied HDMI cable (such as P568- or P569-Series). Then, connect the transceiver to the display with another user-supplied HDMI cable. Finally, connect the two units with user-supplied Cat6 patch cable (such as N202-Series cable).

TAA-Compliant for GSA Schedule Purchases
The B127A-111-BHTH is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

- Owner's manual

Specifications

OVERVIEW	
UPC Code	037332258618
Product Type	Extender Kit
Technology	HDMI; Cat5/5e; Cat6; POC; IR
Host Connector	HDMI (FEMALE)

VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Video Ports	HDMI (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 1.4; HDCP 2.2
Supported Resolutions	1280x720 (720p); 1920x1080 (1080p); 3840x2160 (4K)
Max Supported Video Resolution	3840 x 2160 (4K @ 60Hz)
Max. Distance (Between any 2 Units)	230 ft.
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)	230
Max 3840 x 2160 (4K@30Hz) Range (ft)	230
Max 3840 x 2160 (4K@60Hz) Range (ft)	230
Transmitter Video Input	HDMI
Transmitter - Number of Video Outputs	1

Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Signal Range (ft)	230
Signal Range (m)	70
Range Extension using other Tripp Lite product	230 ft.
Recommended Cabling	Solid Wire Cat6 Cables (Tripp Lite's N202-Series)
Other Tripp Lite product used to extend range	B127A-110-BH
Max Supported Color Depth	36-bit True Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4
Maximum Signal Range (ft)	230
Maximum Signal Range (m)	70

AUDIO

Audio Input	HDMI
Audio Output	Toslink; HDMI
Audio Specification	Pass-through audio (LPCM 2.0/5.1/7.1)

INPUT

AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.6A
AC Power Adapter Output Specs (V / A)	24V / 1A
AC Power Adapter Cord Length (ft.)	4.5
AC Power Adapter Cord Length (m)	1.38
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
Bus Powered	No

POWER

Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112
Power Source	Transmitter or Receiver (Included)
Power Over Cable (PoC) Support	Yes

CONNECTIONS

Side A - Connector 1	(2) HDMI (FEMALE)
Side A - Connector 2	RJ45 (FEMALE)
Side A - Connector 3	(2) 3.5MM (FEMALE)
Side B - Connector 1	(2) RJ45 (FEMALE)
Side B - Connector 2	HDMI (FEMALE)
Side B - Connector 3	(2) 3.5MM (FEMALE)
Side B - Connector 4	TOSLINK (FEMALE)
Daisy-chainable / Cascadable	Yes
Daisy-chainable / Cascadable Details	Up to 4 Units

USER INTERFACE, ALERTS & CONTROLS

LED Indicators	TX: Green (Power), RJ45 Port: Green (Connection), Orange (Activity); TRX: Green (Power), RJ45 Ports: Green (Connection), Orange (Activity)

PHYSICAL

Color	Black
Material of Construction	Metal
Included Mounting Accessories	Wallmount
Number of Displays	1
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	Yes
Receiver Unit Dimensions (hwd / cm.)	11.5 x 6.25 x 2.69
Receiver Unit Weight (kg)	0.453
Shipping Dimensions (hwd / in.)	2.17 x 10.24 x 6.46
Shipping Dimensions (hwd / cm)	5.51 x 26.01 x 16.41
Shipping Weight (lbs.)	1.45
Shipping Weight (kg)	0.66
Transmitter Unit Dimensions (hwd / cm.)	11.5 x 6.25 x 2.69
Transmitter Unit Weight (kg)	0.453
Unit Packaging Type	Box

ENVIRONMENTAL

Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0% to 85% RH, Non-Condensing

COMMUNICATIONS

Signal Range (ft.)	230
Signal Range (m)	70
Transmission Distance	230 ft.
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	Yes
Latency	0
USB Extension Support	No

PORT EXPANSION	
Daisy-chainable or Cascadable	Yes

FEATURES & SPECIFICATIONS	
10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	No
Built-In Equalizer	No
HDCP Specification	1.4; 2.2
Driver Required	No
Recommended Category Cable	Cat6
DIN Mountable	No

STANDARDS & COMPLIANCE	
External Power Supply Certifications	CE; FCC; CCC; GS; TUV; UL; cUL
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA); UKCA

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