

HDBaseT Repeater for ST121HDBTE or ST121HDBTPW HDMI Extender Kit - 4K

Product ID: ST121HDBTRP



This HDBaseT repeater lets you add another HDMI display to your existing ST121HDBTE or ST121HDBTPW HDBaseT extender kit. This makes it easy to expand your digital signage system to meet the growing needs of your business.

The repeater receives the HDBaseT signal from your transmitter and deploys it to the receiver up to 70 m away while outputting the HDBaseT signal to an HDMI display at the repeater's location. The repeater also enables you to add an HDMI source at the repeater's location and switch between sources at each of your connected HDMI or HDBaseT displays.

The repeater connects between your existing HDBaseT transmitter and receiver, enabling you to connect an HDMI display to the repeater, then daisy-chain the HDBaseT signal to an additional location up to 230 ft. (70 m) away. The repeater also features an HDMI input that lets you connect a different HDMI video source at the repeater and then switch between which source is output to the receiver.

For additional flexibility, you can add up to three HDBaseT repeaters to an ST121HDBTE or ST121HDBTPW extender kit. Using multiple repeaters (sold separately) you can run an HDBaseT signal to a total of four locations, which provides the ideal solution for routing digital signage through large buildings such as shopping centers, stadiums, schools, or hospitals.

The HDBaseT repeater includes hardware for mounting it out of sight on a wall or in an equipment rack. This helps to reduce clutter and ensures a professional installation that doesn't draw your viewers' attention away from the content on your display -- perfect for customer facing displays in bars or restaurants.

With the A/V industry quickly adopting 4K as the new high-resolution video standard, long-range video distribution can be difficult, given the distance limitations of standard HDMI cables. With support for 4K, you'll be amazed at how HDBaseT maintains your Ultra HD picture quality -- four times the resolution of high-definition 1080p, even at 130 feet away from your video source.

Because the extender is backward compatible with High-Definition 1080p and lower resolutions at 230 feet away, you can comfortably use this extender to make any video source look great, while future-proofing your setup for 4K implementation.

HDBaseT is a standardized, zero-latency, video distribution technology that's revolutionizing HDMI distribution. HDBaseT uses an advanced method of modulation that enables you to distribute uncompressed HDMI audio and video along with additional signals, over a single Ethernet cable. Offering greater versatility than traditional HDMI extenders and longer distances than HDMI cables alone, HDBaseT is the clear choice for every integrator and system designer, because it can do so much, with just a single cable.

The ST121HDBTRP is backed by a 2-year StarTech.com warranty and free lifetime technical support.

Certifications, Reports and Compatibility



Applications

- Add more displays to your existing HDBaseT run
- Create a scalable solution that gives you the freedom to add displays at different locations in the future
- Route digital signage through large commercial settings, such as schools, hospitals, arenas or shopping centers

Features

- Expand your HDBaseT video signal to accommodate more displays in different locations
- Increase the range and scalability of your HDBaseT setup by adding up to three independent repeaters
- Maintain astonishing picture quality up to 130 feet away, with support for UltraHD 4K, over non-proprietary CAT5e or CAT6 cabling
- Reduce upgrade costs, when expanding your digital signage setup, by utilizing your existing ST121HDBTE or ST121HDBTPW HDBaseT extender
- Supports HD video resolutions such as 1920x1200 or 1080p up to 230 ft. away
- HDBaseT and HDMI inputs, enable you to switch between which video source is output to the receiver
- Ensures compatibility with your existing HDBaseT hardware, with HDCP compliance
- No software or drivers required, with simple plug-and-play installation
- Dolby TrueHD, DTS-HD MA Audio

Hardware

Warranty

2 Years

Ports	1
Cabling	Cat 5e UTP or better
Audio	Yes
Rack-Mountable	Yes
Daisy-Chain	Yes

Performance

Maximum Cable Length	229.6 ft [70 m]
Max Distance	70 m / 230 ft
Maximum Digital Resolutions	4096 x 2160 (4K) @ 30 Hz
Supported Resolutions	4k x 2K (Ultra HD) @ 30 Hz 2560x1600 @ 60 Hz 1920x1200 1920x1080 (1080p) 1280x720 (720p)
Wide Screen Supported	Yes
Audio Specifications	7.1 Surround Sound

Connector(s)

Local Unit Connectors	1 - HDMI (19 pin) 1 - HDMI (19 pin) 2 - 3.5 mm Mini-Jack (3 Position) 1 - 3.5 mm Mini-Jack (3 Position) 1 - RJ-45 1 - RJ-45 1 - DB 9-pin Serial
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Indicators

LED Indicators	2 - input selection LEDs 2 - output selection LEDs
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1 - status LED

Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Output Voltage	12V DC
Output Current	1.5 A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	18

Environmental

Operating Temperature	0C to 40C (32F to 104F)
Storage Temperature	-10C to 60C (14F to 140F)
Humidity	0% - 80 % RH (non-condensing)

Physical Characteristics

Color	Black
Product Length	8.7 in [22.0 cm]
Product Width	4.6 in [11.7 cm]
Product Height	1.7 in [4.3 cm]
Weight of Product	32.8 oz [930.0 g]

Packaging Information

Package Quantity	1
Package Length	14.5 in [36.8 cm]
Package Width	9.3 in [23.5 cm]
Package Height	3.0 in [77.0 mm]
Shipping (Package)	3.7 lb [1.7 kg]

Weight

What's in the Box

Included in Package	1 - HDBase-T repeater
	1 - IR remote control
	1 - universal power adapter (NA / UK / EU / AU)
	1 - CAT5 cable
	1 - mounting kit
	1 - screw kit
	1 - rubber foot pad set
	1 - quick start guide

****Product appearance and specifications are subject to change without notice.***