

# HDMI over CAT5 Extender with IR and Serial - HDBaseT Extender - 4K

Product ID: ST121HDBTL



This HDBaseT™ extender kit can transmit your 4K HDMI signal up to 115 ft. (35 m) over a single CAT5e or CAT6 cable. At lower resolutions up to 1080p, the extender kit can transmit your signal up to 230 ft. (70 m).

## Extend video and more with HDBaseT

The extender offers a complete end-to-end video and control solution, using HDBaseT technology to extend not just HDMI, but also DC power, IR and serial control over a single CAT5 cable. By extending so much over just one CAT5 or CAT6 cable, HDBaseT is the clear choice of every integrator and system designer.

The added benefit of power over cable means that you'll only need one power source at one side of your extension - great for extending video and control to areas where power outlets may be limited, such as industrial sites.

Serial and IR extension optimizes operation by enabling you to control the video source or display from both the local and remote location.

### **Maximize reliability with HDBaseT certification**

This HDBaseT extender has been certified via the HDBaseT Certification Program. This certification ensures the extender is compliant with HDBaseT technical standards, and maximizes reliability with your HDMI display and video source, by ensuring compliance with their established HDMI ecosystem.

### **Astonishing 4K picture quality at an impressive distance**

With the A/V industry adopting 4K as the new high-resolution video standard, long-range video distribution can be a challenge over standard HDMI cables that become susceptible to signal degradation at 30 feet. This HDBaseT extender can maintain your Ultra HD 4K picture quality - four times the resolution of high-definition 1080p - even at 330 feet away from your video source. Plus, because the extender supports high-definition 1080p and lower resolutions, you can comfortably use this extender to make any video source look great, while future-proofing your setup for 4K implementation.

### **Professional installation**

HDBaseT technology offers a single-cable installation, so you can integrate this solution seamlessly using your existing CAT5e or CAT6 infrastructure. Both the transmitter and receiver included with this HDBaseT extender kit are mountable, so you can keep the equipment out of sight in an equipment rack, or on a wall. This helps to reduce clutter and ensure a professional installation that doesn't draw your viewers' attention away from the content on your display. It's perfect for customer-facing displays in bars, restaurants or hotel lobbies.

### **What is HDBaseT?**

HDBaseT is a standardized, zero-latency video 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. It can do so much, with just a single cable.

The ST121HDBTL is TAA compliant and backed by a 2-year StarTech.com warranty with free lifetime technical support.

Note: When using Power over Cable (PoC) to power the transmitter or receiver, it is not recommended to pair the StarTech.com transmitter or receiver with any other HDBaseT hardware. Power over Cable should only be used with the transmitter and receiver that are provided with this extender kit.

### Certifications, Reports and Compatibility



### Applications

- Extend video where power outlets are limited with HDBaseT offering power over cable that powers both the transmitter and receiver using a single power source at either side of the connection
- Place the display in a convenient viewing area, while the system equipment is placed elsewhere in a clean and secure environment
- Optimize placement of your demo stations at tradeshow and in auditoriums

### Features

- Get hassle-free video and control extension with HDMI, IR, RS-232 and power extended over a single CAT5e or CAT6 cable
- Ensure a reliable video extension with an HDBaseT certified extender kit
- Maintain astonishing picture quality at up to 115 ft. (35 m) away, with support for Ultra HD 4K over non-proprietary CAT5e or CAT6 cabling
- Also supports HD video resolutions such as 1920x1200 or 1080p at distances up to 230 ft. (70 m)
- Includes mounting hardware for professional installations

<b>Hardware</b>	Warranty	2 Years
	Audio	Yes
	Cabling	Cat 5e UTP or better
	Daisy-Chain	Yes
	Ports	1
<b>Performance</b>	Audio Specifications	7.1 Surround Sound
	Max Distance	100 m / 330 ft
	Maximum Cable Length	328 ft [100 m]
	Maximum Digital Resolutions	4096 x 2160 (4K) @ 30 Hz (35 meters) 1920 x 1080 (1080p) @ 60 Hz (70 meters)
	Supported Resolutions	3840x2160 (4K) 2560x1600 1920x1200 1920x1080 (1080p) 1280x720 (720p)
	Wide Screen Supported	Yes
<b>Connector(s)</b>	Local Unit Connectors	1 - HDMI (19 pin) Female Input 1 - DB 9-pin Serial Male 1 - RJ-45 Female Output 1 - 3.5 mm Mini-Jack (3 Position) Female
	Remote Unit Connectors	1 - HDMI (19 pin) Female Output 1 - DB 9-pin Serial Female 1 - RJ-45 Female 1 - 3.5 mm Mini-Jack (3 Position) Female
<b>Special Notes / Requirements</b>	<b>Note</b>	If you want to add more displays, you can daisy chain this product with the HDBaseT repeater ST121HDBTRP.
<b>Indicators</b>	LED Indicators	1 - status LED (transmitter)
		1 - status LED (receiver)
<b>Power</b>	Center Tip Polarity	Positive
	Input Current	0.6 A
	Input Voltage	100 ~ 240 AC
	Output Current	1.5 A
	Output Voltage	12 DC
	Plug Type	M

	Power Consumption (In Watts)	18
	Power Source	AC Adapter Included
<b>Environmental</b>	Humidity	0% - 80 %
	Operating Temperature	0°C to 40°C (32°F to 104°F)
	Storage Temperature	-10°C to 60°C (14°F to 140°F)
<b>Physical Characteristics</b>	Color	Black
	Enclosure Type	Steel and Plastic
	Product Height	1.1 in [27 mm]
	Product Length	3.6 in [92 mm]
	Product Weight	16 oz [452 g]
	Product Width	2.6 in [66 mm]
<b>Packaging Information</b>	Shipping (Package) Weight	2.4 lb [1.1 kg]
<b>What's in the Box</b>	Included in Package	1 - HDBaseT transmitter
		1 - HDBaseT receiver
		1 - universal power adapter (NA, EU, UK, ANZ)
		1 - IR receiver
		1 - IR blaster
		1 - CAT5 cable
		2 - mounting brackets
		8 - foot pads
	AV Input	HDMI
	AV Output	HDMI

Product appearance and specifications are subject to change without notice.