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HDMI over CAT6 HDBaseT Extender with USB Hub and IR - 4K

ST121HDBTU

FR: Guide de l'utilisateur - fr.startech.com
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ES: Guía del usuario - es.startech.com
NL: Gebruiksaanwijzing - nl.startech.com
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IT: Guida per l'uso - it.startech.com

Packaging contents

- 1 x HDMI over CAT5 transmitter
- 1 x HDMI over CAT5 receiver
- 1 x IR blaster
- 1 x IR receiver
- 1 x USB cable
- 2 x foot pad sets
- 2 x power adapters
- 2 x mounting brackets
- 1 x quick start guide

System requirements

- HDMI enabled video source such as a computer or Blu-ray™ player
- HDMI enabled display device such as a high-definition television or projector
- HDMI cabling for your video source and display
- AC electrical outlet for the transmitter and receiver
- CAT5e or CAT6 cabling from the extender to the receiver
- Up to four USB peripheral devices (optional)

Operating system requirements are subject to change. For the latest requirements, please visit www.startech.com/ST121HDBTU.

Product Overview

Front View

Transmitter unit

1. IR output
2. IR input
3. 3.5mm audio input

Receiver unit

1. USB peripheral ports
2. IR input
3. IR output
4. 3.5mm audio output

Back View

Transmitter unit

1. Power jack
2. Link port (RJ-45 connector)
3. HDMI input port
4. USB host port

Receiver unit

1. Power jack
2. Link port (RJ-45 connector)
3. HDMI output port
4. USB peripheral ports

Preparing your site

Note: Ensure the transmitter and receiver units are situated near AC electrical outlets.
1. Determine where the local video source. (e.g. your computer or a Blu-ray player) will be located and set up the transmitter unit near that location.
2. Determine where the remote display will be located and place the receiver unit near that location.

For the latest information, technical specifications, and support for this product, please visit www.startech.com/ST121HDBTU.

Manual Revision: 12/04/2015

Hardware installation

1. Install the transmitter unit

a) Connect a video source device such as a computer or Blu-ray player to the transmitter's HDMI input port.

b) Connect an RJ-45 terminated CAT5e or CAT6 Ethernet cable to the **Link** port on the transmitter unit.

c) (Optional) If you're using the ST121HDBTU extender kit to extend USB peripheral devices, use the included USB cable to connect the USB host port on the transmitter unit to a USB port on a video source device such as a computer or Blu-ray player.

d) Connect the transmitter's DC 9-12V power jack to an AC electrical outlet, using one of the included power adapters.

2. Install the receiver unit

a) Connect the receiver unit's video output port to the display device's input port, using an HDMI cable.

b) Connect the end of your RJ-45 terminated Cat5e or CAT6 Ethernet cable to the **Link** port on the receiver unit.

c) (Optional) If you're using the ST121HDBTU extender kit to extend USB peripheral devices, connect up to four USB peripheral devices to the receiver unit's USB ports.

d) Connect the receiver's DC 9-12V power jack to an AC electrical outlet, using one of the included power adapters.

3. (Optional) Configure your setup for IR extension.

a) If you'd like to remotely control your display from the video source.

> **i.** On the transmitter unit, connect the IR receiver to the **IR input**.
>
> **ii.** Position the sensor on the IR receiver where you'd ideally point the remote control to operate your display.
>
> **iii.** Connect the IR blaster to the **IR output** on the receiver unit.
>
> **iv.** Position the sensor on the IR blaster directly in front of the display's IR sensor. If you're unsure of the location of your display's IR sensor, please refer to the display manual.

b) If you'd like to remotely control your video source from the display.

> **i.** Connect the IR blaster to the **IR output** on the transmitter unit.
>
> **ii.** Position the sensor on the IR blaster directly in front of the video source's IR sensor. If you're unsure of the location of your video source's IR sensor, please refer to the manual that came with your video source.
>
> **iii.** Connect the IR receiver to the **IR input** on the receiver unit.
>
> **iv.** Position the sensor on the IR receiver where you'd ideally point the remote control to operate your video source.

4. Verify that the image from your video source appears on the video display(s) connected to the receiver unit(s).

Note: To achieve 4K resolution at the maximum distance of 330 feet (100 meters), CAT6 cabling is required.

When using CAT5e cabling, 4K resolution is limited at 295 feet (90 meters). Distances beyond that, up to a maximum distance of 330 feet (100 meters), will only support resolutions up 1080p.

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.
CAN ICES-3 (B)/NMB-3(B)

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Warranty Information

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