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# 3-Port HDBaseT Extender Kit - Up to 4K

ST124HDBT

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FR: Guide de l'utilisateur - fr.startech.com
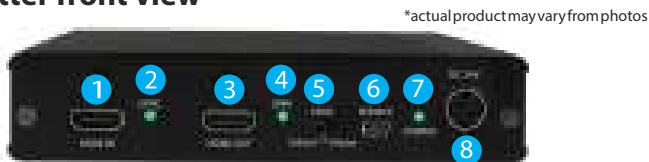ES: Guía del usuario - es.startech.com
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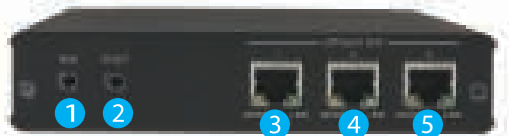PT: Guia do usuário - pt.startech.com

## Product overview

**Transmitter front view**

*actual product may vary from photos



1. HDMI IN port
2. SYNC LED
3. HDMI OUT port - output #4
4. LINK LED
5. EDID switch
6. SERVICE USB port
7. POWER LED
8. DC 24V power port

**Transmitter rear view**



1. IR IN port
2. IR OUT port
3. CAT5e/6/7 OUT port - output #1
4. CAT5e/6/7 OUT port - output #2
5. CAT5e/6/7 OUT port - output #3

**Receiver front view**          **Receiver rear view**



1. POWER LED
2. LINK LED
3. CAT5e/6/7 IN
4. Serial port (not in use)
5. IR IN port
6. IR OUT port
7. HDMI OUT port

## Packaging contents

- 1 x 3-port HDBaseT extender
- 3 x HDBaseT receivers
- 1 x universal power adapter (NA / EU / UK / AU)
- 4 x IR blasters
- 4 x IR receiver
- 1 x quick-start guide

## Requirements

- 1 x HDMI video source with cabling
- 1 x local HDMI display with cabling
- 3 x remote HDMI displays with cabling
- 3 x CAT5e, CAT6, or CAT7 cables, each with enough length to reach from your video source to the location of each display

## Preparing your site

1. Set up your local HDMI video source in your desired location.
2. Set up your local HDMI display in the same location as your video source.
3. Set up each of your remote displays in your desired locations.
   **Notes:**
   - Please ensure the extender is situated near an available USB power source.
   - Make sure all devices are turned off before you begin the installation.

## Installing the extender

1. Position the extender near your video source.
2. Connect an HDMI cable (not included) to the **HDMI IN** port on the extender and to the HDMI output port on your source device.
3. Connect an HDMI cable (not included) to the **HDMI OUT** port on the extender and to the HDMI input port on your local HDMI display.
4. Connect the power adapter (included) to the **DC 24V** power port on the extender and to an AC power outlet.
5. Connect a CAT5e, CAT6 or CAT7 cable (not included) to each of the three **CAT5e/6/7 OUT** ports on the extender, and run each cable to the location of your remote displays.
   **Important Notes:**
- **Use only the receivers included with this kit. The included HDBaseT receivers use 24V POC, mixing hardware with a different HDBaseT kit can damage your equipment.**

- **Do not route the cables through any networking equipment.**

- **Your remote display with the lowest capabilities should be routed to output #1.**

6. Position the receivers near each of your remote displays.
7. Connect each of the CAT5e, CAT6 or CAT7 cables (not included) to the **CAT5e/6/7 IN** ports on your remote HDBaseT displays or receivers.

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8. Connect an HDMI cable (not included) to the **HDMI OUT** port on each of the receivers and on the HDMI input on each of your remote HDMI displays.
9. Power up your local display and each of your remote devices. The image from your video source will now appear on each of your displays.

**Note:** The resolution performance of this extender will vary depending on the length of your network cabling. Please review the chart below to determine the best solution for your setup. For best results, StarTech.com recommends shielded CAT6 cable.

| Distance | Maximum resolution |
|---|---|
| 35 m (115 ft.) or less | 4K x 2K at 30 Hz |
| Up to 70 m (230 ft.) | 1080p at 60 Hz |

## LED indicators

The extender has three green LED indicators that light up to notify you of the extender's status. Please review the table below to interpret the LED activity on the receiver.

| LED | Status |
|---|---|
| Sync | Lights up when the **HDMI IN** port on the receiver has an active source connected. |
| Link | Lights up when the extender and receiver are actively connected to each other. |
| Power | Lights up when extender or receiver has power connected. |

## Setting the EDID operating mode

When a video source is connected to a display, EDID information is shared between devices, enabling the source to know which resolution and audio specification the display supports. However, because this extender can be connected to four different displays, each with potentially different EDID information, the best EDID information that can be supported by all attached monitors must be defined.

To maximize compatibility with your displays, this extender features two different EDID modes. Please review the description of each mode in this section, to determine which mode is optimal for your setup. Then use the **EDID** mode switch, to set the video extender to your desired mode.

### STD mode (standard)
STD mode configures all EDID settings for a resolution of 1920x1080 at 60 Hz and an audio specification of 2-channel stereo. This mode is ideal for most HD displays, and is the default setting of the extender.

### TV mode
TV mode configures all of your displays to the EDID settings of the display connected to the **CAT5e/6/7 OUT port** - output #1 port. This mode is ideal for displays with high resolution support, such as 4K monitors, or surround sound configurations with 5.1 or 7.1 audio specifications.
**Note:** In TV mode, it's important to ensure the other connected displays can support the same maximum resolution as the display connected that's connected to the **CAT5e/6/7 OUT port** - output #1 port.