

HDMI over CAT6 Extender | 4K 60Hz

Product Diagram (ST121HD20V)

Transmitter



Port	Function
Front	
1	Service Port • Used for firmware updates.
2	EDID Switch • Used to copy EDID settings from the Video Sink Device connected to the HDMI Receiver .
3	IR Out Port • Used to connect the IR Blaster to the HDMI Transmitter .
4	RJ45 Port • Used to connect the Transmitter to the Receiver . • Power Indicator: Illuminates Green when the Transmitter is receiving power. • Connection Indicator: Illuminates Amber when the HDMI Transmitter is sending a signal to the HDMI Receiver .
Back	
5	HDMI In Port • Used to connect a Video Source Device to the HDMI Transmitter .
6	HDMI Out Port • Used to connect a Display Device to the HDMI Transmitter .
7	DC 12V Port • Used to power the HDMI Transmitter

Receiver



Port	Function
Front	
1	Service Port • Used for firmware updates.
2	IR In Port • Used to connect the IR Receiver to the HDMI Receiver .
3	RJ45 Port • Used to connect the HDMI Receiver to the HDMI Transmitter . • Power Indicator: Illuminates Green when the Receiver is receiving power. • Connection Indicator: Illuminates Amber when the HDMI Transmitter is sending a signal to the HDMI Receiver .
Back	
4	HDMI Out Port • Used to connect a Display Device to the HDMI Receiver .
5	DC 12V Port • Used to power the HDMI Receiver

Requirements

For the latest requirements and full manual, please visit www.startech.com/ST121HD20V

Installation

Installing the HDMI Transmitter or Receiver

1. Set up the **Video Sink Device** (e.g. computer) and the **Display Device** (place/mount the display appropriately).
2. Position the **HDMI Transmitter** near the **Video Sink Device** you set up in step 1.
3. Connect an **HDMI Cable** from the **Video Sink Device** to the **HDMI In Port** on the back of the **HDMI Transmitter**.
4. Position the **HDMI Receiver** near the **Display Device** you set up in step 1.
5. Connect a **CAT6 Cable** (cables sold separately) to the **RJ45 Port** on the back of the **HDMI Transmitter** and to the **RJ45 Port** on the back of the **HDMI Receiver**.
Note: The cabling should not go through any networking equipment (e.g. router, switch, etc.).
6. Connect an **HDMI Cable** to the **HDMI Out Port** on the back of the **HDMI Receiver** and to the **Display Device**.
7. Connect the **Universal Power Adapter** to the **DC 12V Port** on the **HDMI Transmitter** and to an **AC Electrical Outlet** to power both the **HDMI Transmitter** and **HDMI Receiver** (using Power Over Ethernet).

Installing the IR Blaster and IR Receiver

The **IR Receiver** and **IR Blaster** can be connected to either the **HDMI Transmitter** or **HDMI Receiver**.

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)

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) L'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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HDMI Transmitter:

1. Connect the **IR Blaster** to the **IR Out Port** on the **HDMI Transmitter**.
2. Position the **IR Sensor** directly in front of the **Video Source Device's IR Sensor** (if you're unsure, check the manual of your video source to determine the IR sensor location).

HDMI Receiver:

1. Connect the **IR Receiver** to the **IR In Port** on the **HDMI Receiver**.
2. Position the **IR Sensor** where you'll point your **IR Remote Control**.

Warranty Information

This product is backed by a two-year warranty.

For further information on product warranty terms and conditions, please refer to www.startech.com/warranty.

Limitation of Liability

In no event shall the liability of StarTech.com Ltd. and StarTech.com USA LLP (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product. Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

Safety Measures

- If product has an exposed circuit board, do not touch the product under power.

Mesures de sécurité

- Si l'un des circuits imprimés du produit est visible, ne pas touchez le produit lorsqu'il est sous tension.

安全対策

- 製品に露出した状態の回路基盤が含まれる場合、電源が入っている状態で製品に触らないでください。

Misure di sicurezza

- Se il prodotto ha un circuito stampato visibile, non toccare il prodotto quando è acceso.

Säkerhetsåtgärder

- Rör aldrig vid enheter med oskyddade kretskort när strömmen är påslagen.

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