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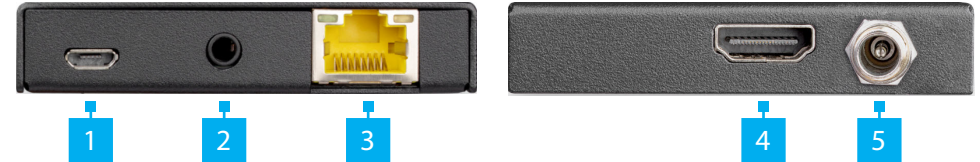
HDMI over CAT6 Extender | 4K 60Hz

Product Diagram (ST121HD20V)

Transmitter

Receiver

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**

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**.

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**.