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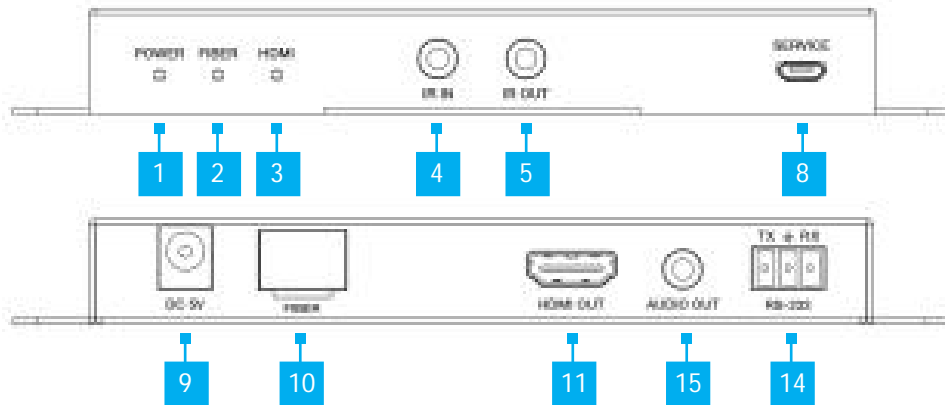
HDMI over Fiber Extender - 4K 60Hz

Product ID
ST121HD20FXA2

Transmitter
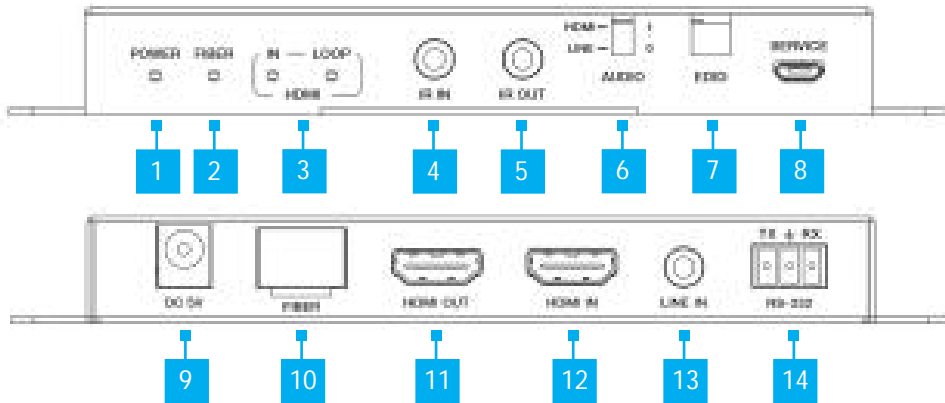
Receiver

Component		Function
1	Power LED Indicator	· **Transmitter and Receiver:** Solid Red when the **Universal Power Adapter** is connected

2	Optical Signal LED Indicator	· **Transmitter and Receiver:** Solid Green when the **Transmitter** and **Receiver** establish an optical link
3	HDMI Signal LED Indicator	· **Transmitter:** Solid Green when an **HDMI Source Device** is connected to the **HDMI Input Port** · **Receiver:** Solid Green when an **HDMI Display Device** is connected to the **HDMI Output Port**
4	IR Input Port	· **Transmitter and Receiver:** Connect an **IR Receiver**
5	IR Output Port	· **Transmitter and Receiver:** Connect an **IR Blaster**
6	Audio Input Selector	· Change between HDMI Audio Pass-through, or Line In
7	EDID Selector	· Set the **EDID mode** for the **HDMI Extender** · 11: Copy Receiver's HDMI Output EDID · 10: Copy Transmitter's HDMI Output EDID · 01: Force 4K 60Hz EDID · 00: Force 1080P EDID
8	Service Port	· **Transmitter and Receiver:** For manufacturer use only
9	DC 5V Input	· **Transmitter and Receiver:** Connect the **Universal Power Adapter**
10	Optical Connection Port	· Connect the **Transmitter** and **Receiver** with a **Single Mode** or **Multi Mode Fiber Optic Cable** · The **LC Simplex SFP Module** is pre-installed · Third Party **SFP Module's** cannot be used
11	HDMI Output Port	· Connect an **HDMI Display Device**
12	HDMI Input Port	· Connect an **HDMI Source Device**
13	Line In Port	· Connect a **3.5mm Audio Device**
14	Serial Terminal Block	· **Transmitter and Receiver:** Connect a **RS232 Serial Device** to the **Terminal Block** for bi-directional communication
15	Audio Output	· Connect to an **Audio Output Device**

Product Information

For the latest manuals, product information, technical speci cations, and declarations of conformance, please visit: www.StarTech.com/ST121HD20FXA2

Package Contents

- Local HDMI Extender Unit x 1
- Remote HDMI Receiver Unit x 1
- IR Receiver x 2
- IR Blaster x 2
- Power Adapter x 2
- Quick-Start Guide x 1

Requirements

- HDMI Source Device x 1
- HDMI Display Device x 1
- HDMI M/M Cables (sold separately) x 2
- Single Mode LC Fiber Optic Cable up to 3300 Feet (sold separately) x 1
- Multi Mode LC Fiber Optic Cable up to 1000 Feet (sold separately) x 1

Installation

Transmitter and Receiver

> **Note:** *Ensure the HDMI Display Device and the HDMI Source Device are powered o before you begin the installation.*

1. Position the **Transmitter** near the **HDMI Source Device**, and the **Receiver** near the **HDMI Display**.
2. Set the **EDID Selector** switches to the desired EDID function for the setup.
3. Connect an **HDMI Cable** (not included) from the **HDMI Input Port** on the **Transmitter** to the **HDMI Source Device**.

4. (Optional) Connect an **HDMI Cable** from the **HDMI Output Port** on the **Transmitter** to the **Local HDMI Display**.
5. (Optional) Connect an **Audio Source Device** to the **Line In port** on the **Transmitter.**
6. Connect a **Single** or **Multi Mode Fiber Optic Cable** to the **Optical Output Port** on the **Transmitter** and to the **Optical Input Port** on the **Receiver.**
   Note: *The cabling cannot go through any networking equipment (e.g. router, switch, etc.).*
7. Connect an **HDMI Cable** to the **HDMI Output Port** on the **Receiver** and to the **HDMI Display Device**.
8. (Optional) Connect an **Audio Device** to the **Audio Output port** on the **Receiver**.
9. Connect the **Universal Power Adapter** to the **DC 5V Port** on the **Transmitter** to an **AC Electrical Outlet**.
10. Connect the **Universal Power Adapter** to the **DC 5V Port** on the **Receiver** to an **AC Electrical Outlet**.

Regulatory Compliance

FCC - Part 15

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 o and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Connect the equipment into an outlet on a circuit di erent 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 modi cations 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.

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 o cers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of pro ts, 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.