

## Multi-Input HDBaseT Extender Switch and Scaler - 1080p

### ST121HDBTSC Packaging Contents

- 1 x HDBaseT Transmitter
- 1 x HDBaseT Scaler Receiver
- 1 x IR Remote Control
- 1 x RJ-11 to RS-232 Adapter
- 1 x RJ-11 Cable
- 2 x Sets of Mounting Brackets
- 1 x Universal Power Adapter (NA/JP, EU, UK, ANZ)
- 2 x Sets of Rubber Feet
- 1 x Quick-Start Guide
- 1 x IR Receiver
- 1 x IR Blaster

### Requirements

- 1 x Local HDMI Display with Cabling
- 1 x Remote HDMI Display with Cabling
- (Optional Setup) 1 x DisplayPort Video Source with Cabling
- (Optional Setup) 1 x VGA Video Source with Cabling
- (Optional Setup) 2 x HDMI Video Sources with Cabling

### Product Diagram

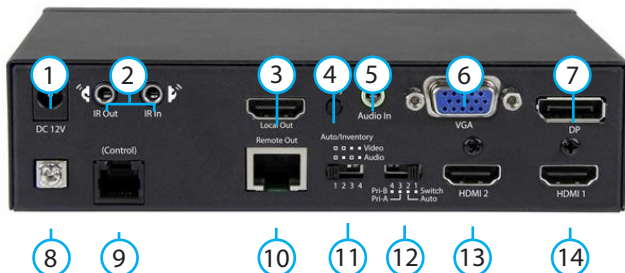
Actual products may vary from photos

#### Transmitter Front View



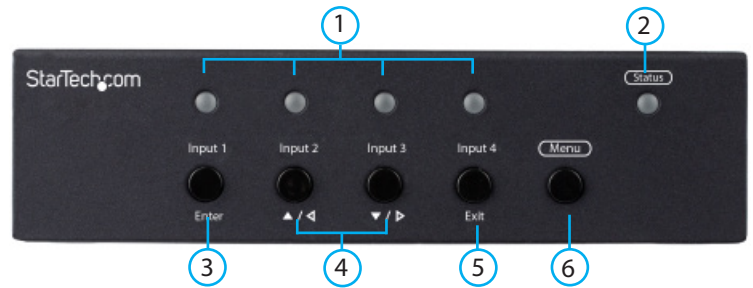
- |                            |   |
|----------------------------|---|
| 1. Selected Port LEDs      | 5. VGA Input Button/<br>Function Button 1 |
| 2. IR Sensor               | 6. Function Button 2                      |
| 3. Output Port LED         | 7. Output Selection Buttons               |
| 4. Input Selection Buttons |   |

#### Transmitter Rear View



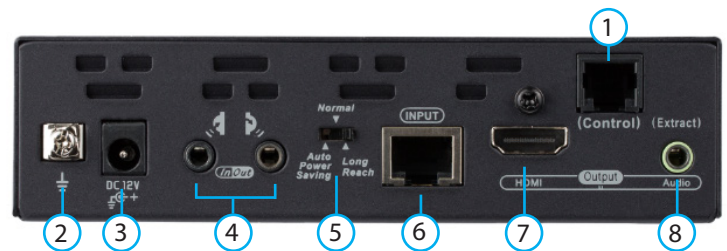
- |                         |                                |
|-------------------------|--------------------------------|
| 1. DC 12V Power Port    | 8. Ground                      |
| 2. IR Out/In Ports      | 9. (Control) RJ-11 Serial Jack |
| 3. HDMI Output Port     | 10. HDBaseT Output Port        |
| 4. EDID Copy Button     | 11. Auto/Inventory EDID Switch |
| 5. 3.5 mm Audio In Port | 12. Mode Switch                |
| 6. VGA Input Port       | 13. HDMI Input Port #2         |
| 7. DP Input Port        | 14. HDMI Input Port #1         |

#### Receiver Front View



- |                      |                       |
|----------------------|-----------------------|
| 1. Input LED (1 - 4) | 4. Navigation Buttons |
| 2. Status LED        | 5. Exit Button        |
| 3. Enter Button      | 6. Menu Button        |

#### Receiver Rear View



- |                      |                          |
|----------------------|--------------------------|
| 1. RJ11 Control Port | 5. Port Link Switch      |
| 2. Ground            | 6. HDBaseT Input Port    |
| 3. DC 12V Power Port | 7. HDMI Output Port      |
| 4. IR In/Out Port    | 8. 3.5 mm Audio Out Port |

### Installation

**Notes:** Make sure that the HDBaseT Transmitter and HDBaseT Receiver are each located near an AC power outlet and that all devices connected to them are turned off.

1. Set up the video sources (HDMI, DisplayPort and VGA) and remote display.
2. On the back of the HDBaseT Transmitter, connect each of the Video Sources (HDMI, DisplayPort and VGA) to the corresponding input ports (cables sold separately).

3. Connect a CAT5 cable (sold separately) to the HDBaseT Output Port on the HDBaseT Transmitter and to the HDBaseT Input Port on the HDBaseT Receiver.

**Note:** Properly grounding the HDBaseT Transmitter and HDBaseT Receiver can prevent damage and improve audio/video signal quality.

4. Connect the Universal Power Adapter to the DC 12V Power Port on either the HBaseT Transmitter or HDBaseT Receiver and to an AC power outlet to power both the HDBaseT Transmitter and HDBaseT Receiver (using the Power Over Cable feature).

**Note:** Only use the type of HDBaseT Receiver included with this kit. Mixing hardware with a different HDBaseT kit can damage your equipment, due to the Power Over Cable feature.

Do not route the cable through any networking equipment.

## Connecting Two Displays

1. On the back of the HDBaseT Transmitter, connect an HDMI cable to the HDMI Output Port and to the HDMI port on a Local Display (cables sold separately).
2. On the back of the HDBaseT Receiver, connect an HDMI cable to the HDMI Output Port and to the HDMI port on a Local Display (cables sold separately).
3. Power on each of your connected devices. The image from your Video Source will now appear on your Remote Display.

## EDID Settings

Adjust the EDID settings, if you're experiencing poor resolution or inconsistent audio/video output.

- On the back of the HDBaseT Transmitter, confirm that the Auto/Inventory EDID switch is set to position 1.

## Copying EDID Settings

1. On the back of the HDBaseT Transmitter, set the Auto/Inventory EDID switch to either option 3 (copy video EDID and emulate audio EDID) or 4 (copies video EDID and audio EDID).

### Remote Display:

- To copy EDID settings from a Remote Display, press and hold the EDID Copy Button for 3 seconds until the Remote LED flashes green.

### Local Display:

- To copy EDID settings from a Local Display, press and hold the EDID Copy Button for 6 seconds until the Local LED flashes green.

### Safety Measures

- If product has an exposed circuit board, do not touch the product under power.
- If Class 1 Laser Product, Laser radiation is present when the system is open.
- Wiring terminations should not be made with the product and/or electric lines under power.
- Product installation and/or mounting should be completed by a certified professional as per the local safety and building code guidelines.
- Cables (including power and charging cables) should be placed and routed to avoid creating electric, tripping or safety hazards.

### Mesures de sécurité

- Si l'un des circuits imprimés du produit est visible, ne pas touchez le produit lorsqu'il est sous tension.
- Si le produit est Laser de Classe 1, le rayonnement laser est présent lorsque le système est ouvert.
- Les terminaisons de câblage ne doivent pas être effectuées lorsque le produit et/ou les câbles électriques sont sous tension.
- L'installation et/ou le montage du produit doit être réalisé par un professionnel certifié et dans le respect des normes locales et du code de construction local.
- Les câbles (y compris les câbles d'alimentation et de chargement) doivent être placés et acheminés de façon à éviter tout risque électrique, de chute ou de sécurité.

Pour consulter les manuels, les vidéos, les FAQ, les contrôleurs, les téléchargements, et plus encore, visitez: [www.StarTech.com/fr/support-produit](http://www.StarTech.com/fr/support-produit).

### 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。
- クラス1レーザー製品では、システムが開放状態の場合、レーザー光が照射されています。
- 電源が入っている状態の製品または電線の終端処理を行わないでください。
- 製品の設置やケーブルは、電源が切れている状態で実施してください。有資格の専門業者が行うようにしてください。
- ケーブル(電源ケーブル)と充電ケーブルを含む)は、適切な配置と引き回しを行い、電気障害やつまずきの危険性など、安全上のリスクを回避するようにしてください。

マニュアル、動画、FAQ、ドライバ、ダウンロード情報などを、[www.StarTech.com/jp/Support](http://www.StarTech.com/jp/Support) にてご覧いただけます。

### Misure di sicurezza

- Se il prodotto ha un circuito stampato visibile, non toccare il prodotto quando è acceso.
- Prodotto laser di Classe 1. Quando il sistema è aperto sono presenti radiazioni laser.
- I terminali dei fili elettrici non devono essere realizzate con il prodotto e/o le linee elettriche sotto tensione.
- L'installazione e/o il montaggio dei prodotti devono essere eseguiti da un tecnico professionale certificato che conosca le linee guida locali sulle norme edilizie e sulla sicurezza.
- I cavi (inclusi i cavi di alimentazione e di ricarica) devono essere posizionali e stesi in modo da evitare pericoli di inciampo, rischi di scosse elettriche o pericoli per la sicurezza.

Per visualizzare manuali, video, domande frequenti, download e altro ancora, visita [www.StarTech.com/it/assistenza-e-vendite](http://www.StarTech.com/it/assistenza-e-vendite).

### Säkerhetsåtgärder

- Rör aldrig vid enheter med oskyddade kretskort när strömmen är påslagen.
- Om laserproduktet är Klasse 1, laserstrålning avges när systemet är öppet.
- Montering av kabellasteringar får inte göras när produkten och/eller elledningarna är strömförda.
- Installation och/eller montering får endast göras av behöriga yrkespersoner och enligt gällande lokala förordningar för säkerhet och byggnormer.
- Kablar (inklusive elkablar och laddningskablar) ska dras och placeras på så sätt att risk för snubblingsolyckor och andra olyckor kan undvikas.

För nedladdningar, handböcker, videor och vanliga frågor, divivutiner, besök [www.StarTech.com/se/support](http://www.StarTech.com/se/support).

### FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class A 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

## Switching Between Video Sources

1. On the back of the HDBaseT Transmitter, move the Mode Switch Button to position 1.
2. On the front of either the HDBaseT Transmitter or the HDBaseT Receiver, press the Input Selection Button that corresponds with your desired video source.
3. The selected port's LED will light up and the selected video source will appear on the HDMI and HDBaseT displays.

## Remote Control

1. On the right side of the IR Remote Control, press buttons 1 - 4 to switch between HDMI 1, HDMI 2, DisplayPort, and VGA ports.
2. The selected port's LED will light up, indicating the active port.

## Resolution

The maximum resolution capability of the Extender Switch is Full HD (1920 x 1080) up to 70 m (328 ft.).

## Adjusting Resolution from the HDBaseT Receiver

1. On the HDBaseT Receiver, press the Menu Button to access the OSD (On Screen Display) Main Menu.
2. On the OSD Main Menu, use the Navigation Buttons to select Output Resolution and press the Enter Button.
3. On the Output Resolution sub-menu use the Navigation Buttons to navigate/select a resolution and press the Enter Button to save your changes.

The following options may also appear when changing your resolution settings.

### Revert

- Reverts back to the last resolution setting prior to saving.

### Keep

- Saves the new resolution settings.

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 A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe (A) est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (A)/NMB-3(A)

This class 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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