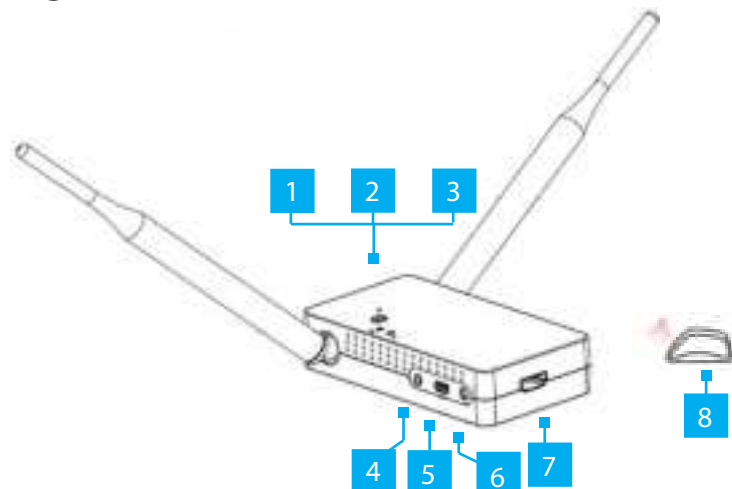


## HDMI over Wireless Extender | 1080p | 200 m

### Product Diagram (ST121WHDLR)



**Note:** The above image represents both **Transmitter** and **Receiver**. The ports are located in the same position on both the **Transmitter** and **Receiver**.

Port/Button/LED/Part		Function
<b>Transmitter</b>		
1	Pairing/Channel Button	<ul style="list-style-type: none"> <li>• <b>Pairing:</b> Used to pair devices to the <b>Wireless Transmitter</b>. <b>Note:</b> Press and hold for 5 seconds.</li> <li>• <b>Channel:</b> For better transmission, use the <b>Channel Button</b> to use another channel.</li> </ul>
2	Network LED	<ul style="list-style-type: none"> <li>• Solid red indicates that the network is connected.</li> </ul>
3	Video LED	<ul style="list-style-type: none"> <li>• Solid blue indicates that the <b>Display Device</b> is connected.</li> </ul>
4	IR OUT Port	<ul style="list-style-type: none"> <li>• Connect an <b>IR Blaster</b> to transmit an IR signal.</li> </ul>

5	USB Port	<ul style="list-style-type: none"> <li>• Used for firmware updates. <b>Note:</b> For future firmware updates refer to the firmware section on the Product Support tab <a href="http://www.startech.com/ST121WHDLR">www.startech.com/ST121WHDLR</a>.</li> </ul>
6	DC 5V Port	<ul style="list-style-type: none"> <li>• Powers the <b>Wireless Extender</b>.</li> </ul>
7	HDMI IN Port	<ul style="list-style-type: none"> <li>• Connects the <b>Video Source Device</b> to the <b>Wireless Extender</b>.</li> </ul>
8	IR Blaster	<ul style="list-style-type: none"> <li>• Used to transmit an infrared signal.</li> </ul>
<b>Receiver</b>		
1	Pairing/Channel Button	<ul style="list-style-type: none"> <li>• <b>Pairing:</b> Used to pair devices to the Wireless Receiver. <b>Note:</b> Press and hold for 5 seconds.</li> <li>• <b>Channel:</b> For better transmission, use the <b>Channel Button</b> to use another channel.</li> </ul>
2	Network LED	<ul style="list-style-type: none"> <li>• Solid red indicates that the network is connected.</li> </ul>
3	Video LED	<ul style="list-style-type: none"> <li>• Solid blue indicates that the <b>Display Device</b> is connected.</li> </ul>
4	IR IN Port	<ul style="list-style-type: none"> <li>• Connect an <b>IR Receiver</b> to receive an IR signal.</li> </ul>
5	USB Port	<ul style="list-style-type: none"> <li>• Used for firmware updates <b>Note:</b> For future firmware updates refer to the firmware section on the Product Support tab <a href="http://www.startech.com/ST121WHDLR">www.startech.com/ST121WHDLR</a>.</li> </ul>
6	DC 5V Port	<ul style="list-style-type: none"> <li>• Powers the <b>Wireless Extender</b>.</li> </ul>
7	HDMI OUT Port	<ul style="list-style-type: none"> <li>• Connects the <b>Display Device</b> to the <b>Wireless Extender</b>.</li> </ul>
8	IR Receiver	<ul style="list-style-type: none"> <li>• Used to receive an infrared signal.</li> </ul>

### Requirements

For the latest requirements, please visit [www.startech.com/ST121WHDLR](http://www.startech.com/ST121WHDLR).

# Connecting the Extender

1. Position the **Wireless Transmitter** near the **Video Source Device** (e.g. Computer, Blu-ray Player).
2. Connect an **HDMI Cable** (sold separately) to the **HDMI IN Port** on the **Wireless Transmitter** and to the **Video Output Port** on the **Video Source Device**.
3. (Optional) Connect the **IR Blaster** to the **IR Out Port** on the **Wireless Transmitter**, and position the **IR Blaster** directly in front of the IR sensor on your **Video Source Device**.  
  
***Note:** Check the manual of your **Video Source Device** for the IR sensor location.*
4. Connect the **Universal Power Adapter** to the **DC 5V Port** on the **Wireless Transmitter** and to an **AC Electrical Outlet**.
5. Position the **Wireless Receiver** near your **Display Device** (e.g. Television, Projector).
6. Connect an **HDMI Cable** to the **HDMI Output Port** on the **Wireless Receiver** and to an HDMI port on the **Display Device**.
7. (Optional) Connect the **IR Receiver** to the **IR In Port** on the **Wireless Receiver**, and position the **IR Receiver** in the area you would like to point your IR controller.
8. Connect the **Universal Power Adapter** to the **DC 5V Port** on the **Wireless Receiver** and to an **AC Electrical Outlet**.

### 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.

### FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

### 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.

### IC Radiation Exposure Statement

This equipment complies with IC RSS-247 radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0.5cm between the radiator and your body.

### Use of Trademarks, Registered Trademarks, and other Protected Names and Symbols

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**Notes:** The maximum distance between the transmitter and the receiver is 600 ft. If the wireless signal is obstructed by walls, or other interference the signal quality and maximum distance will likely be reduced.  
  
When extending infrared, this product can only support an IR signal in the 38kHz carrier frequency.

# Mounting the Transmitter/Receiver

The **Transmitter/Receiver** can be mounted using the **Mounting Hardware** included.

1. Align the **Mounting Hardware** with the **Mounting Hole** on the back of the **Transmitter/Receiver**.
2. Screw the **Mounting Hardware** into the **Mounting Hole**, being careful not to overtighten.
3. Loosen the **Adjustment Knob** on the **Mounting Hardware**.
4. Adjust the position the **Transmitter/Receiver** is facing.
5. Tighten the **Adjustment Knob** on the **Mouting Hardware** when the **Transmitter/Receiver** is in the desired position.

# LED Indicators

LED		Display	Function
HDMI Transmitter  and  HDMI Receiver	Network	Solid	Power is connected to the Transmitter.
		Slowly flashing red	Connecting to a <b>Device</b> .
	Video	Solid	Video transmission active.
		Slowing flashing blue	No video signal input.
	Network & Video	Flashes	Indicates the Receiver is pairing.
		Alternate flashing (flash, pause, flash)	Channel switching in active.

### 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](http://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.

<b>StarTech.com Ltd.</b> 45 Artisans Cres London, Ontario N5V 5E9 Canada	<b>StarTech.com LLP</b> 2500 Creekside Parkwy Lockbourne, Ohio 43137 U.S.A.	<b>StarTech.com Ltd.</b> Unit B, Pinnacle 15 Gowerton Rd, Brackmills Northampton NN4 7BW United Kingdom	FR: fr.startech.com DE: de.startech.com ES: es.startech.com NL: nl.startech.com IT: it.startech.com JP: jp.startech.com
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