

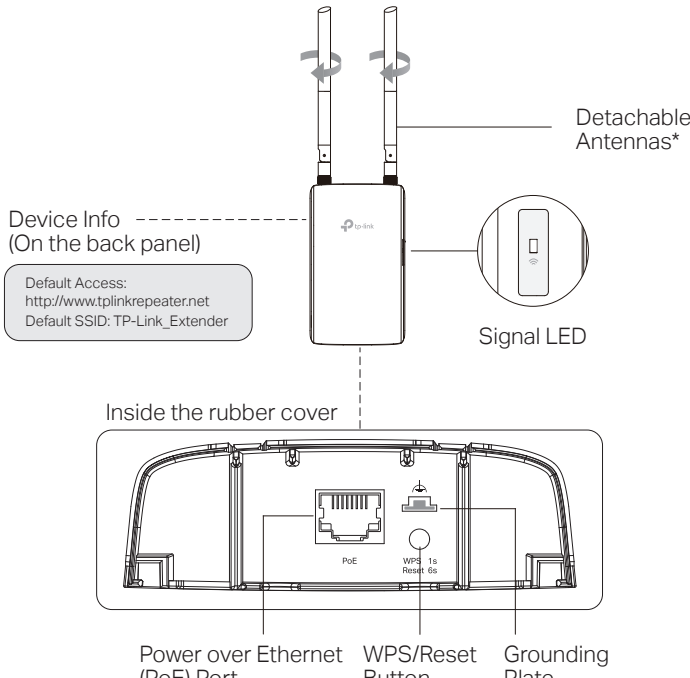
## Quick Installation Guide

Indoor / Outdoor Wi-Fi 6 Range Extender  
RE705X-Outdoor

\* Images may differ from your actual product.

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## Product Overview



\* For optimal Wi-Fi performance, we recommend keeping the antennas vertical.

### Ports and Buttons Explanation

| Item             | Explanation                                                                                                                                                                              |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PoE Port         | For connecting the extender to a PoE adapter or a PoE switch.                                                                                                                            |
| WPS/Reset Button | Press for 1 second and immediately press the WPS button on your router to start the WPS process.<br><br>Press and hold for over 6 seconds to reset the extender to its factory settings. |

### Signal LED Explanation

| Status          | Explanation                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Off             | The extender is off.                                                                                                                                                                                                 |
| Blinking Green  | The extender is starting up or resetting, or a firmware upgrade is in progress.                                                                                                                                      |
| Blinking Yellow | <b>AP Mode:</b> WPS is in progress (blinking fast), or the host network is unavailable.<br><b>RE Mode:</b> WPS is in progress (blinking fast), or the extender is not connected / is connecting to the host network. |
| Solid Green     | <b>AP Mode:</b> 2.4 GHz or 5 GHz is enabled.<br><b>RE Mode:</b> The extender is connected to your router's wireless network and the signal strength is strong.                                                       |
| Solid Yellow    | <b>AP Mode:</b> 2.4 GHz and 5 GHz is disabled.<br><b>RE Mode:</b> The extender is connected to your router's wireless network, but the signal strength is weak.                                                      |

## Must-Read Before You Start

### Important Installation Notice

- Once the extender is mounted, it will be difficult to remove. Follow this Quick Installation Guide's steps carefully.
- DO NOT mount the extender until you complete **3 Relocate the Extender**. This ensures your chosen mounting location receives a strong signal.

- Power On the Extender
- Set Up the Extender
- Relocate the Extender
- Mount the Extender

### Lightning and Electrostatic Discharge (ESD) Protection

- The extender provides Lightning and ESD Protection.
- See **Lightning and ESD Protection** on the next page for detailed operating steps.

For technical support, replacement services, user manuals, and other information, please visit <https://www.tp-link.com/support>, or simply scan the QR code.

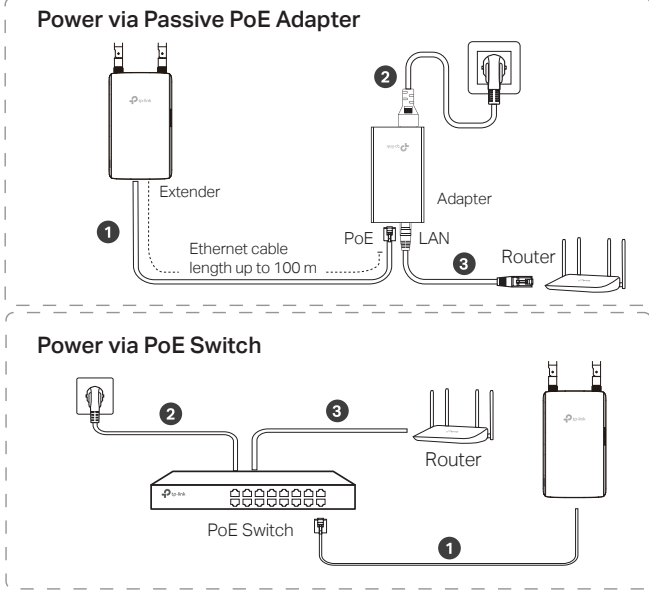


## 1 Determine the Operation Mode and Power On

### Access Point Mode (Recommended for Outdoor Use)

Use **Access Point (AP) Mode** for a stronger signal. In AP Mode, the extender connects to the host router via a wired connection to provide a more stable Wi-Fi signal for your devices.

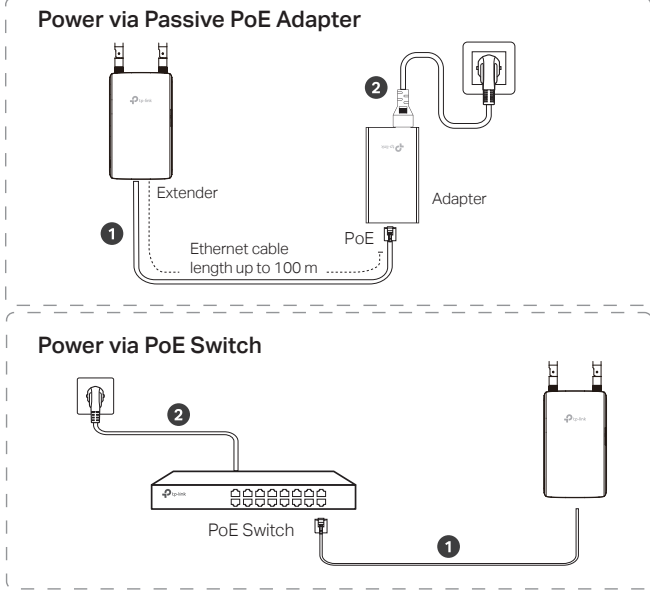
- Connect the extender to a PoE adapter or a PoE switch.
- Power on the PoE adapter or PoE switch.
- After finishing **2 Set Up the Extender**, connect the main router to the PoE adapter or PoE switch.



### Range Extender Mode

Range Extender (RE) Mode is the default mode. In RE Mode, the extender connects to the host router wirelessly and repeats its Wi-Fi network to extend coverage.

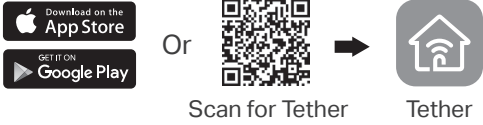
- Connect the extender to a PoE adapter or a PoE switch.
- Power on the PoE adapter or PoE switch.



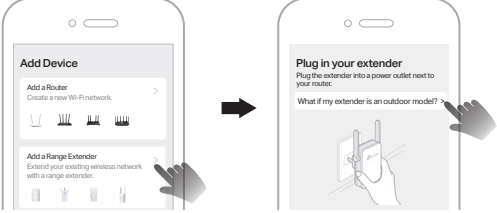
## 2 Set Up the Extender

### Method 1: Via the Tether App

- Get the up-to-date Tether app from the App Store or Google Play, or simply scan the QR code.

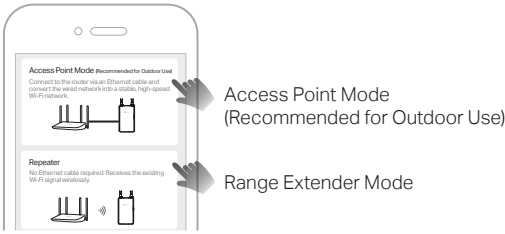


- Launch the Tether app and log in with your TP-Link ID. If you don't have an account, create one first.
- Tap the **+** button and select **Add a Range Extender**. Then tap **What if my extender is an outdoor model?**



Note: If you cannot find your device, refer to **FAQ > Q1**.

- Follow the app instructions to complete setup. Select **Access Point Mode (Recommended for Outdoor Use)** or **Repeater**.



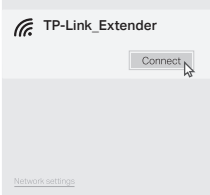
Notes:

- If you cannot find the extender's network, refer to **FAQ > Q4**.
- You can go to **Operation Mode** to switch modes after finishing the **Quick Setup**.
- Due to Tether app updates, your actual user interface and pathway may differ from those depicted here.

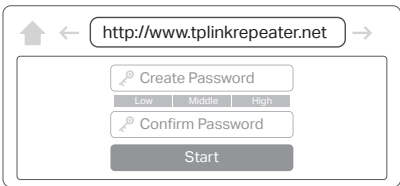
### Method 2: Via a Web Browser

- Connect your computer or smartphone to the extender's network: **TP-Link\_Extender**.

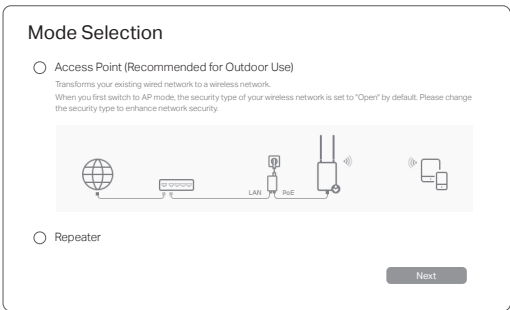
Notes: If you cannot find the extender's network, refer to **FAQ > Q4**.



- Open a web browser and go to <http://www.tplinkrepeater.net> or <http://192.168.0.254>. Create a password to log in.



- Follow the on-screen instructions to complete setup. Select **Access Point (Recommended for Outdoor Use)** or **Repeater** based on your operation mode.



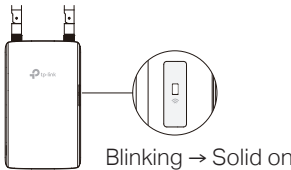
### Method 3: Via the WPS Button (For Range Extender Mode Only)

- Activate the WPS function on your router by pressing the WPS button.

Note: If you're not sure how to do this, refer to your router's user manual or use another setup method.



- Within 2 minutes, press the WPS button on the extender for 1 second. The Signal LED should change from blinking to solid on, indicating a successful connection.



- You can now connect to the extender's Wi-Fi.

**Extended Network Names:**  
Router's network name with **\_EXT** at the end  
or  
Same as your router  
**Passwords:**  
Same as your router

Note: Compatibility issues may occur if the router does not fully support the WPS function. If you fail to complete setup via the WPS Button, please try another method.

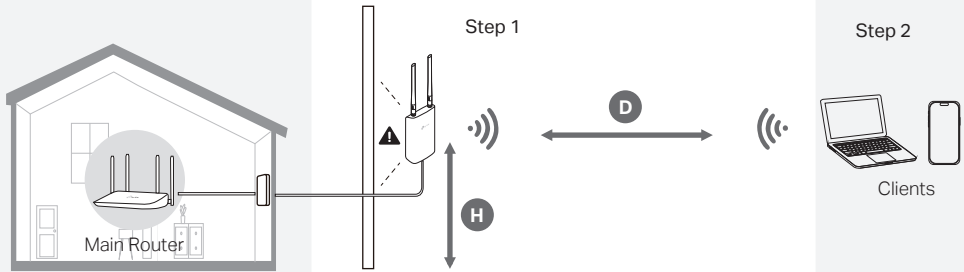
## 3 Relocate the Extender

Your extender's performance depends on its location.

Before mounting the extender, follow the steps for your selected operation mode to make sure you find a spot with optimal coverage.

### Access Point Mode (Recommended for Outdoor Use)

▲ DO NOT MOUNT the extender until you finish **Step 2** to confirm the mounting location. Once the extender is mounted, it will be difficult to remove.



Two main factors affect signal quality in AP Mode:

- H Height of the extender above the ground
- D Distance between extender and devices

Follow the steps below to test your signal and find the proper location.

#### Step 1:

Place the extender in an open, unobstructed area. Avoid dense trees, thick walls, large metal objects, or other signal-blocking obstacles. Keep it away from potential interference sources such as other Wi-Fi routers, surveillance cameras, and power generators.

Keep the extender at a proper height, then continue to **Step 2**.

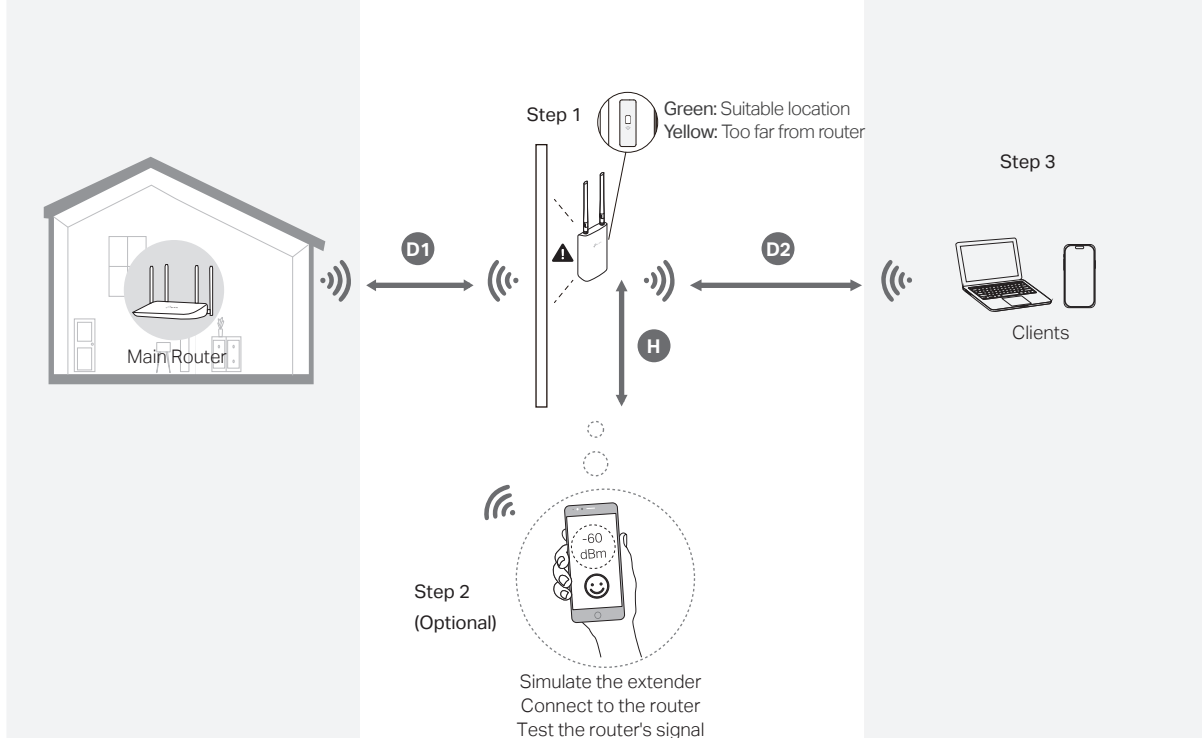
#### Step 2:

At your desired Wi-Fi coverage zone, connect your phone to the extender and check if you can use Wi-Fi normally:

- **Good signal:** The mounting location in **Step 1** is suitable, and you can start mounting.
- **Poor signal:** Try a new mounting location. Then repeat **Steps 1 and 2**.

## Range Extender Mode

▲ **DO NOT MOUNT** the extender until you finish **Step 3** to confirm the mounting location. Once the extender is mounted, it will be difficult to remove.



Three main factors affect signal quality in RE Mode:

- D1** Distance between the router and extender
- H** Height of the extender above the ground
- D2** Distance between the extender and devices

Follow the steps below to test your signal and find the proper location.

### Step 1:

Place the extender in an open, unobstructed area. Avoid dense trees, thick walls, large metal objects, or other signal-blocking obstacles. Keep it away from potential interference sources such as other Wi-Fi routers, surveillance cameras, and power generators.

At proper mounting locations, the extender's Signal LED should be solid green.

### Step 2 (Optional):

If you want to find a location that can receive better signal from the router:

Connect your phone to the router and open a signal detection app (e.g., WiFi Analyzer). Test the router's signal strength at different distances (D1) and heights (H).

- **Good signal (greater than or equal to -70dBm):** Keep the extender at this location, then continue to **Step 3**.

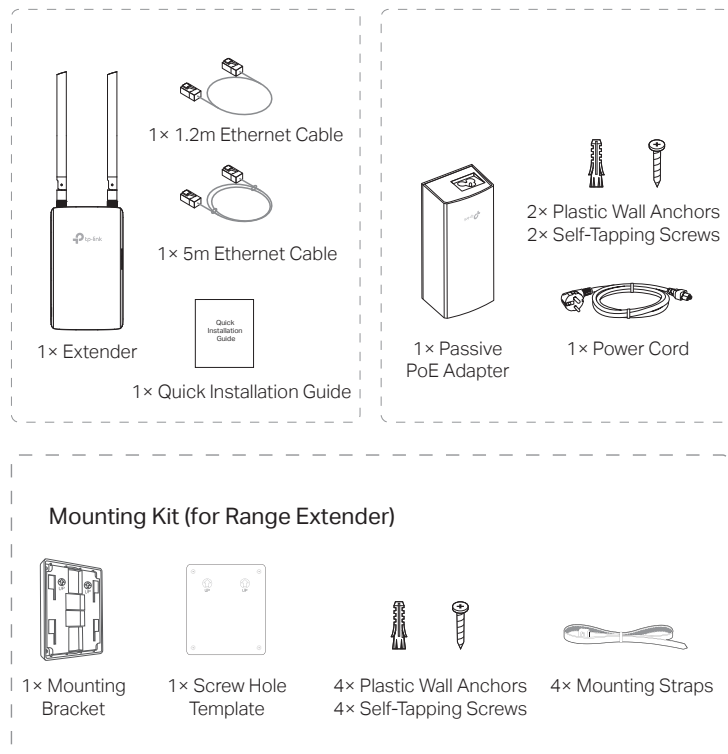
### Step 3:

At your desired Wi-Fi coverage zone, connect your phone to the extender and check if you can use Wi-Fi normally:

- **Good signal:** The location in **Step 2** is suitable and you can start mounting.
- **Poor signal:** Try a new mounting location. Then repeat **Steps 1-3**.
- If the signal remains weak after several attempts, switch to AP Mode for better results.

## 4 Mount the Extender

### Package Contents

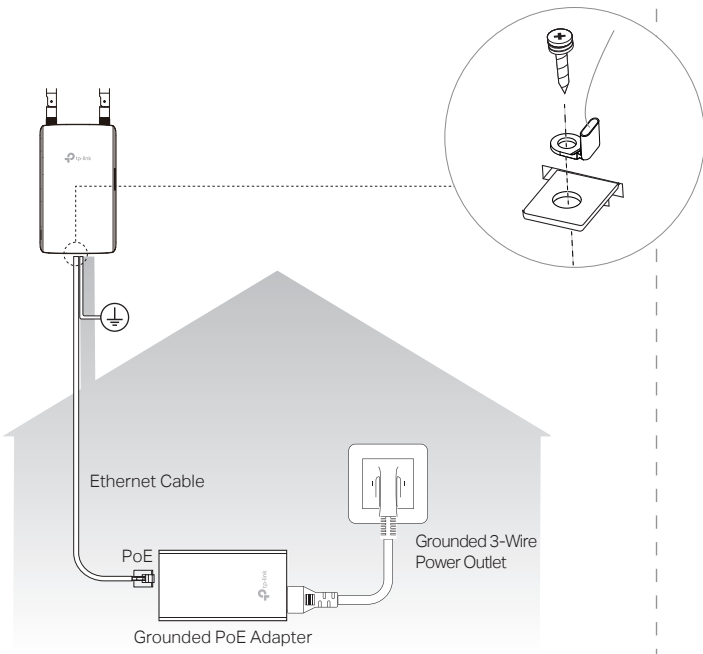


### Lightning and ESD Protection

Before mounting the extender, consider grounding the device for Lightning and Electrostatic Discharge (ESD) Protection.

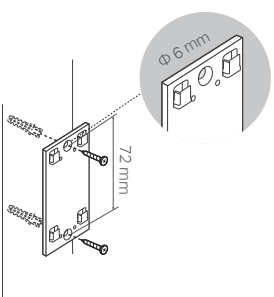
Reduce the damage from potential lightning and ESD attacks by connecting the grounding terminal to a proper grounding facility. Use a grounding wire that meets local installation requirements.

Secure the wire to the terminal with pliers, then fasten the terminal to the extender's grounding plate with a screw, as shown below.



### (Optional) Mount the PoE Adapter

**Note:** The passive PoE adapter is for indoor use only. It is not designed for outdoor conditions and offers no waterproof protection.



### Step 1:

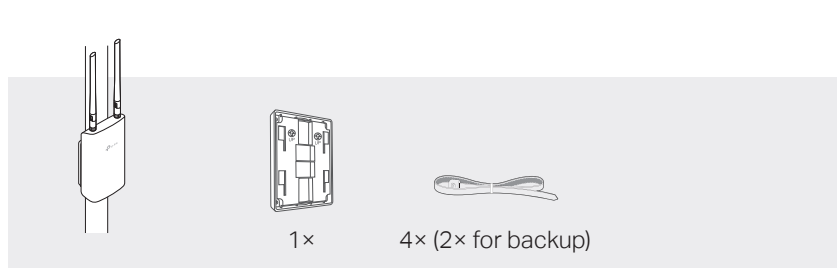
Remove the mounting bracket from the passive PoE adapter.

Drill two holes in the wall and insert the plastic wall anchors into the holes. Secure the mounting bracket to the wall. Make sure the shoulders at the corners of the mounting bracket are on the **outside** and **pointing up**.

### Step 2:

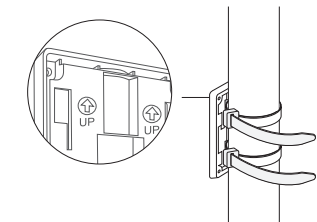
Attach the passive PoE adapter to the mounting bracket (for PoE Adapter) by sliding the adapter in the direction of the arrows until it locks into place.

### Option 1: Pole Mounting



### Step 1:

Lead the end of the pole-mounting strap through the back of the mounting bracket.



### Step 2:

- 1) Position the mounting bracket and wrap the pole-mounting strap around the pole.
- 2) Feed the end through the screw-block and tighten the strap until the bracket is secure.

**Note:** Make sure the arrow icons (➡) on the mounting bracket are on the **outside** and **pointing up**.

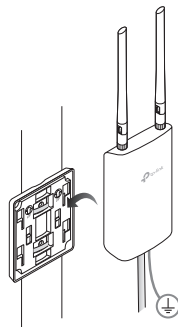
### Step 3:

- 1) Connect the antennas to the extender. We recommend keeping the antennas vertical for optimal Wi-Fi performance.
- 2) Fit the Ethernet cable and the grounding wire through the waterproof cover plate (b) and rubber cover's (a) slit. Connect the cable to the PoE port. Then replace the rubber cover (a) and waterproof cover plate (b).

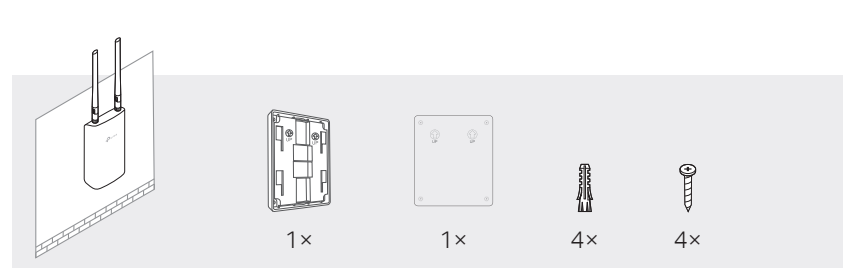
**Note:** Use the 5m Ethernet cable.

### Step 4:

Align the mounting tabs on the back of the extender with the mounting bracket's slot. Push and slide the extender down until it locks into place.

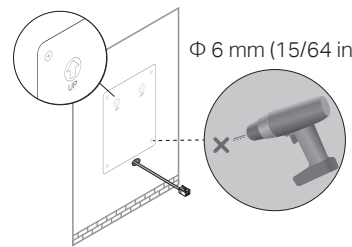


### Option 2: Wall Mounting



### Step 1:

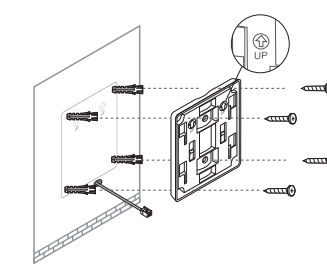
- 1) Stick the screw hole template to the wall (arrow icons pointing up).
- 2) Drill four 6mm diameter holes for the screws at the marked positions.



### Step 2:

- 1) Insert the plastic wall anchors into the holes.
- 2) Align the mounting bracket to the plastic wall anchors and drive the self-tapping screws into the anchors through the bracket.

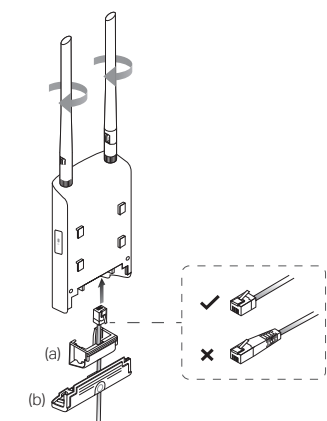
**Note:** Make sure the arrow icons (➡) on the mounting bracket are on the **outside** and **pointing up**.



### Step 3:

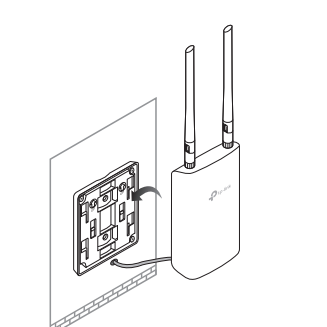
- 1) Connect the antennas to the extender. We recommend keeping the antennas vertical for optimal Wi-Fi performance.
- 2) Fit the Ethernet cable through the waterproof cover plate (b) and rubber cover's (a) slit. Connect the cable to the PoE port. Then replace the rubber cover (a) and waterproof cover plate (b).

**Note:** Use the 5m Ethernet cable.



### Step 4:

Align the mounting tabs on the back of the extender with the mounting bracket's slot. Push and slide the extender down until it locks into place.



## FAQ (Frequently Asked Questions)

### Q1. What should I do if the Tether app cannot find my device during setup?

- Try another method by following the steps below:
  1. Connect your smartphone to the extender's network: TP-Link\_Extender.
  2. Launch the Tether app and select your extender.
- **Tip:** If you have connected to the extender's Wi-Fi but still cannot find your device, try turning off your mobile data.
- 3. Follow the app instructions to complete setup.
- Still having trouble? Contact our technical support for help.

### Q2. What should I do if the LED doesn't turn solid on after completing setup via the Tether app or web browser?

- You may have entered an incorrect Wi-Fi password for your host router during the configuration. Check the password and try again.
- Make sure the extender is located away from large electrical appliances.
- If wireless MAC filtering, wireless access control, or an access control list (ACL) is enabled on your router, disable them first. Then use any setup method on the front page to complete configuration.
- Try setting up via the WPS button.
- Reset the extender and go through the configuration again.
- Still having trouble? Contact our technical support for help.

### Q3. How do I reset the extender?

- With the extender powered on, press the WPS/Reset button for over 6 seconds. The extender will reboot.

### Q4. What should I do if I cannot find the extender's network TP-Link\_Extender?

- The extender may have already joined the EasyMesh network successfully. Please try using the router's SSID and Password to connect.

1. If you want to use the Tether app to further set up the extender, select your extender in the app for configuration.
  2. If you want to use a web browser to further set up the extender, log in to your router's web interface to configure all mesh devices.
- If the extender did not join the EasyMesh network, please reset the extender and set it up again.

### Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Do not use the device where wireless devices are not allowed.
- The adapter should be used indoors where the ambient temperature is lower than or equal to 40°C.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- Plug the adapter into a wall outlet with an earthing connection through the power supply cord.
- This equipment shall be powered only by equipment whose output complies with Power Source Class 2 (PS2) or Limited Power Source (LPS) as defined in IEC 62368-1.
- Use only power supplies listed in the user instructions. Refer to the User Manual on the product support page.
- **This product can be wall-mounted. The installation Max. height is more than 2m.**
- Keep the device away from fire or hot environments. DO NOT immerse in water or any other liquid.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.
- Adapter shall be installed near the equipment and shall be easily accessible.

TP-Link hereby declares that the Indoor / Outdoor Wi-Fi 6 Range Extender is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 2011 /65/EU and (EU) 2015/863. The original EU Declaration of Conformity may be found at <https://www.tp-link.com/en/support/ce> TP-Link hereby declares that the Indoor / Outdoor Wi-Fi 6 Range Extender is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017. The original UK Declaration of Conformity may be found at <https://www.tp-link.com/support/ukca>