Quick Installation Guide

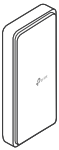
5G Outdoor Router

Setup & Mounting video
Visit https://www.tp-link.com/support/setup-video or scan the QR code to search for the setup video of your product model.

*Images are for demonstration only.

Overview

Package Contents



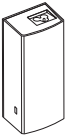
Outdoor Router

Ethernet Cable

Grounding Terminal

Installation Guide

Hex Key



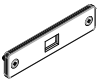
Passive PoE Adapter
(Mounting Bracket Included)

Power Cord

Self-tapping Screws
Plastic Wall Anchors
(Qty. 2)

Waterproof Kits

Rubber Stopper



Waterproof Cover Plate

Mounting Kits

Backplane
(For Securing and Reorienting the Outdoor Router)

Mounting Bracket
(For Pole/Wall Mounting)

Mounting Bracket
(For Window Mounting)

Hose Clamp

M5×10
Hex Socket
Screws (Qty. 2)

Chain Bolt
(Qty. 1)

Plastic Wall
Anchors (Qty. 4)

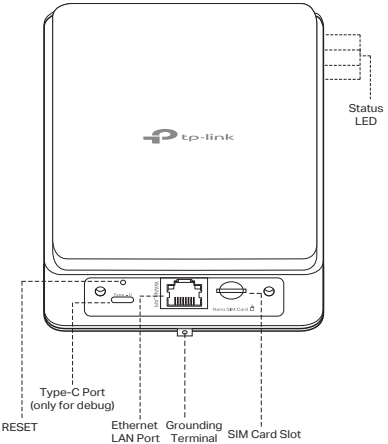
ST3.5×30 Self-tapping
Screws (Qty. 4)

Pole Mounting
Straps(Qty. 2)

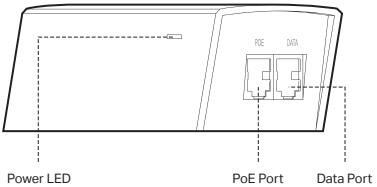
Prepare the following tools (not included):

- Phillips screwdriver
- Hammer drill
- Marker pens

Panel Layout



Passive PoE Adapter



SYS LED Explanation

LED	Status	Indication
Signal Strength	Green	The signal strength is above 75%.
	Yellow	The signal strength is between 50% and 75%.
	Red	The signal strength is below 50%.
	Off	No mobile network signal.
Wi-Fi	On	The Wi-Fi is enbaled.
	Off	The Wi-Fi is disabled.
Network Type	Green	The device is on a 5G network.
	Yellow	The device is on a 4G network.
	Red	The device is on a 3G network.
	Off	The device is not registered on the network.
Power	Green	The device is powered on and working properly.
	Flashing	The device is initializing, RESET or upgrading.
	Off	The device is powered off.

Caution:
DO NOT touch the back cover when the router is working, as this may cause burns from high temperature.

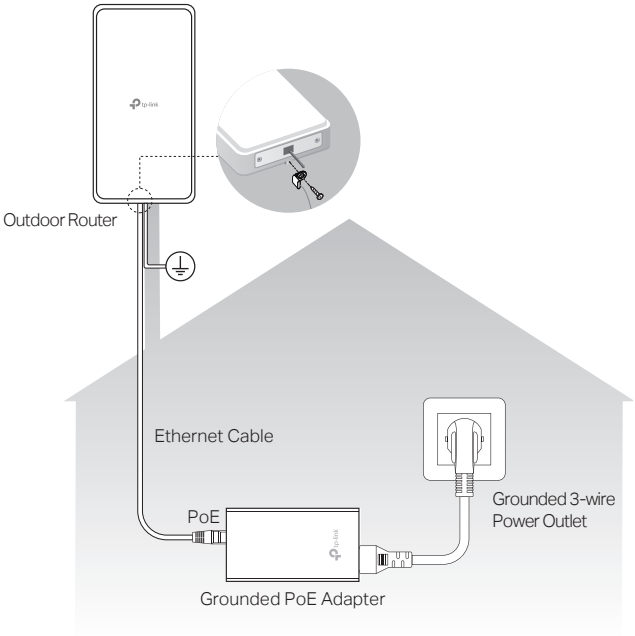
CAUTION: Hot surface
Do not touch

Lightning and ESD Protection

Before mounting the Outdoor Router, you should consider Lightning and ESD Protection to ensure safety.

Proper grounding is extremely important for outdoor devices. To reduce the damage of potential lightning and ESD attacks, connect the grounding terminal to grounding facilities using a proper grounding wire, which should meet the local installation requirements.

Secure the grounding wire to the grounding terminal using pliers, then fasten the grounding terminal to the router with a screw.

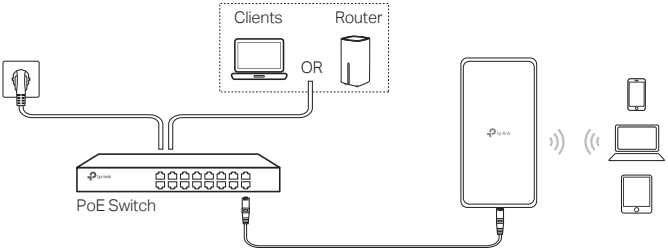


1.Power Your Router

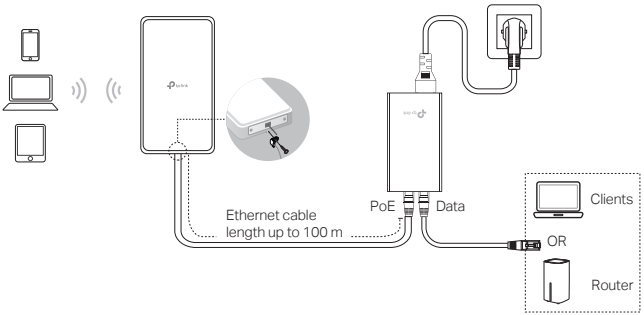
Choose a method to power your router according to your accessories.

The outdoor router can be powered by a power cord, a passive PoE adapter, a PSE device (such as a PoE switch) which complies with Power Source Class 2 (PS2) or Limited Power Source (LPS) of IEC 62368-1.

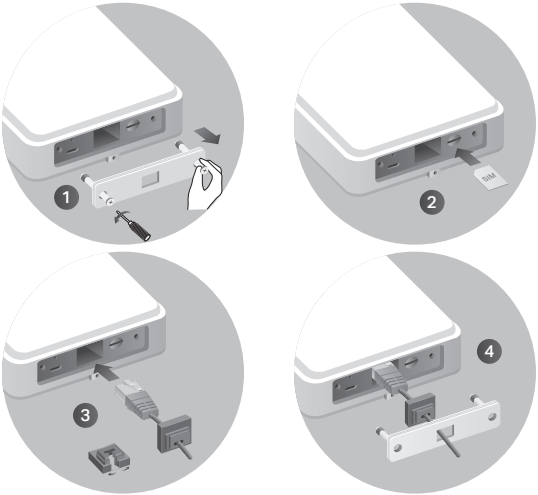
■ Via PoE Switch



■ Via PoE Adapter



2.Waterproof Your Router



1. Loosen the screws with a Phillips screwdriver while holding them securely, then detach the Waterproof Cover Plate by pulling it outward with your hand.
2. With the gold contacts facing down, insert the nano SIM card into the slot until you hear a click.
3. Fit an Ethernet cable through the Waterproof Cover Plate and Rubber Stopper's slit, and connect the cable to the port.
   Note: The wider side of the Rubber Stopper should face the port.
4. Replace the Waterproof Cover Plate, leading the cable through the slot of the plate.
   Note: Please align the Rubber Stopper to the Slot of the Waterproof Cover Plate.

3.Detect Optimal Position

Before You Start

Check the following LEDs' statuses. If the Network LED is on, your Outdoor Router is connected to the internet successfully.

Power On Network On Signal Strength

Note: If the Network LED does not turn on, please refer to Q2 of Need Help? in this guide.

For better internet connectivity, make sure the LEDs are lit in green or yellow.
Otherwise, try relocating the outdoor router to a spot where a stronger mobile network signal can be received.

Step 1. Set up your Tether App

1. Download the Tether app.

Download on the App Store

GET IT ON Google Play

or

Scan for Tether

Tether

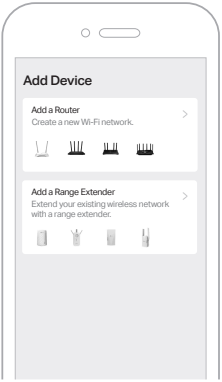
2. Open the Tether app and log in with your TP-Link ID.

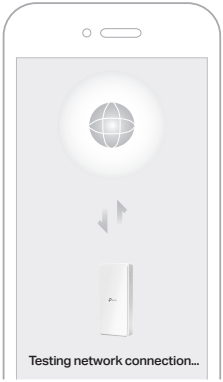
Note: If you don't have an account, create one first.

Step 2. Connect to the Outdoor Router

1. Tap the **+** button and select **Add a Router**. Follow the steps to complete the setup.

   Note: Due to Tether app updates, your actual interface and pathway may differ from those depcited here.





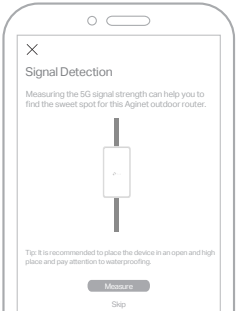
Step 3. Detect and Adjust Installtion Position

1. Place your router at a desired place on the pole/wall/window, and tap **Measure** to begin signal detection.

   Tips:

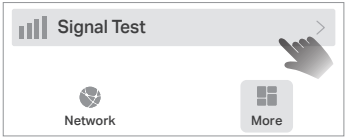
   a. To get a more accurate result, please don't move around your router while measuring.

   b. You can also tap **Skip** if you want to use the router's current position.



2. The signal strength at the current position is displayed (Excellent, Good, Fair, Weak and No Signal). You can tap **More Detail** to view the network details.

3. Follow the on-screen instructions to continue measuring until an ideal position is detected.
   Note: Go to **More > Signal Test**, you can view the last 10 measure records and select the desired installation location.



4. After determining the installation position, please disconnect the PoE adapter from the device for a safe mounting.

2.Mount Your Router

The Outdoor Router can be pole-mounted, wall-mounted or window-mounted. Follow the steps below for the appropriate installation.

The outdoor router can only be used in upright direction as shown in the image.

■ Mounting the Outdoor Router on a Pole

Choose Suitable Tools for Pole Mounting

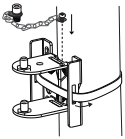
For Thinner Poles
D≤60mm

Pole Mounting Strap

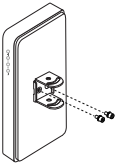
For Thicker Poles
60mm≤D≤120mm

Hose Clamp

Pole Strap



1



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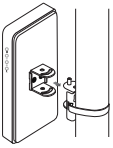

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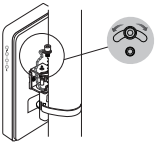
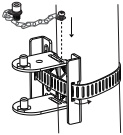


4

Hose Clamp



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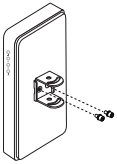

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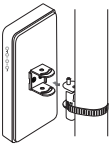

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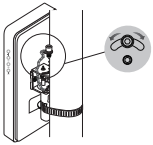


4

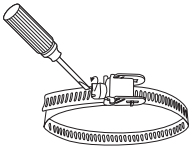
1. Install the chain bolt to the bracket. Lead the end of the strap / hose clamp through the groove on the bracket to install the bracket against the pole.
2. Use two M5 hex socket screws to install the backplane to the Outdoor Router.
3. Align the backplane on the back of the Outdoor Router with the slot of the mounting bracket.
4. Push and slide the Outdoor Router down until it locks into place. Use the chain bolt to secure the backplane and mounting bracket.

Notes:
1. You can secure the mounting bracket vertically or horizontally as needed.
2. You can adjust the installation angle horizontally as needed, with an adjustment range of 90°.

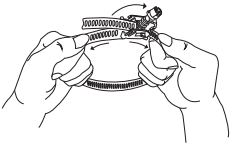
Tips for Hose Clamp:

1. Release your clamp

Step1:
Loosen the screw-lock to unlock the hose clamp with a screwdriver.

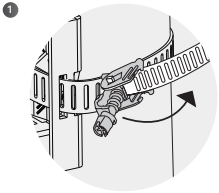


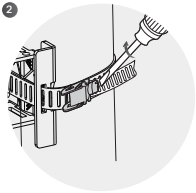
Step 2:
Open the screw-lock, hold the metal straps on both sides of the screw-lock with your hands and apply force to opposite direction together.



2. Secure your clamp

Lead the hose clamp through the mounting bracket and the screw-lock, and adjust it to a suitable position.
Press down the screw-lock and tighten it with a screwdriver (turn right).





■ Mounting the Outdoor Router on the Wall

1. Install the chain bolt to the bracket.

   Place the mounting bracket in the right position.

   Mark four positions for the screw holes. Drill four 6 mm holes for the screws at the marked positions.

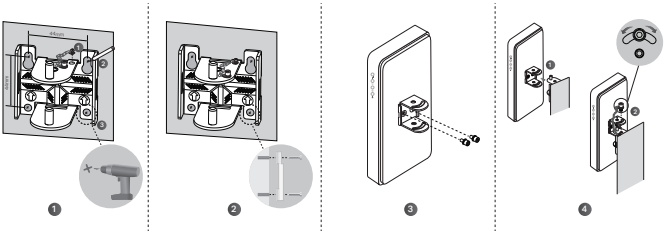
2. Insert the plastic wall anchors into the 6 mm holes. Align the bracket to the plastic wall anchors and drive the self-tapping screws into the anchors through the bracket.

3. Use two M5 hex socket screws to install the backplane on the Outdoor Router.

4. Align the backplane on the back of the Outdoor Router with the slot of the mounting bracket.

   Push and slide the Outdoor Router down until it locks into place. Use the chain bolt to secure the backplane and mounting bracket.

   Note: You can adjust the installation angle horizontally as needed, with an adjustment range of 90°.

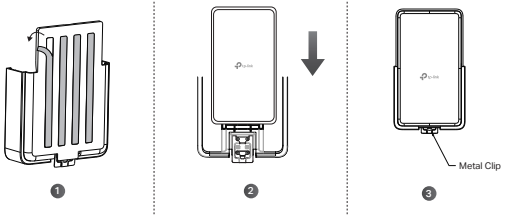


■ Mounting the Outdoor Router on the Window

Tips for Window Mounting:

- This equipment shall be installed at a height of less than 2 meters.
- Avoid air bubbles by applying enough pressure for at least 30 seconds.
- It is recommended that mounting on a window not be done on a wet or rainy day.
- Ensure that the mounting area of the glass is clean, flat and dry (an area without ice, dust, oil or separating agents is recommended).
- Ideal tape application is accomplished when temperature is 21°C-38°C (70°F-100°F) and the bond is allowed to dwell 72 hours. Initial tape application to surfaces at temperatures below 10°C (50°F) is not recommended.

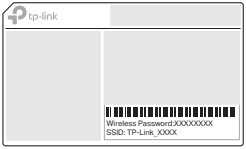
1. Tear off the double-sided strips behind the mounting bracket, and stick the bracket on the window.
2. Align the Outdoor Router with the slot of the mounting bracket. Push and slide the Outdoor Router down until it locks into place.
3. (Optional) If you want to remove the Outdoor Router from the mounting bracket, please press and hold the metal clip at the bottom of the mounting bracket. Then push and slide the Outdoor Router up until it is removed.



Set Up Your Router (Via a Web Browser)

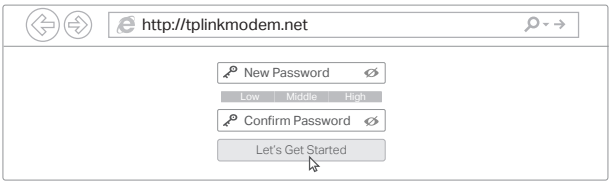
1. Connect your computer to the router wirelessly or via an Ethernet cable. The default wireless name (SSID) and password are printed on the label at the back of the router.

   Note: You can also find the default SSID and wireless password on the provided Wi-Fi info card. If you change the password or SSID, it's recommended to write the new details on the Wi-Fi info card for future reference.



2. Lauch a web browser and type in **http://tplinkmodem.net** or **http://192.168.254.1**. Create a password to get started.

   Note: If the login page does not appear, please refer to **Q1** of **Need Help?** in this guide.



3. Follow the step-by-step instructions of the **Quick Setup** to complete the initial configuration.

Enjoy the internet !

Need Help?

Q1. What should I do if I cannot access the web management page?

- If the computer is set to a static IP address, change its settings to obtain an IP address automatically.
- Make sure http://tplinkmodem.net or http://192.168.254.1 is correctly entered in the web browser.
- Use another web browser and try again.
- Reboot your router and try again.
- Disable and enable the active network adapter in use.

Q2. What should I do if I cannot access the internet?

- Verify that your SIM card is a 5G/4G or WCDMA card.
- Verify that your SIM card is in your internet service provider's service area.
- Verify that your SIM card has sufficient credit.
- Check the LAN connection: Open a web browser and enter http://tplinkmodem.net or http://192.168.254.1 in the address bar. If the login page does not appear, refer to Q1 and then try again.
- Launch a web browser, log in to the web management page, and check the following:

  1) Go to Advanced > Network > Mobile WAN to verify the parameters provided by your ISP are correctly entered. If the parameters are incorrect, click Create Profile and enter the correct parameters, then select the new profile from the Profile Name list.

  2) Go to Advanced > Network > PIN Management to verify if PIN is required. If it is, enter the correct PIN provided by your ISP, and click Save.

  3) Go to Advanced > Network > Data Settings to verify if the Total/Monthly Used exceeds the Total/Monthly Allowance. If it does, click Correct and set Total/Monthly Used to 0 (zero), or disable Data Limit.

  4) Go to Advanced > Network > Mobile WAN to verify that Mobile Data is enabled. If it is not, enable it to access the internet.

  5) Confirm with your ISP if you are in a roaming service area. If you are, go to Advanced > Network > Mobile WAN to enable Data Roaming.

Q3. How to restore the router to its factory default settings?

- With the router powered on, press and hold the Reset button on the bottom panel of the router until the Power LED starts flashing, then release the button. Wait while the router resets.
- Log in to the web management page of the router, and go to **Advanced** > **System Tools** > **Backup & Restore**, click **Factory Restore** and wait until the reset process is complete.

Q4. What should I do if I forget my web management page password?

- If you are using a TP-Link ID to log in, click **Forgot password** on the login page and then follow the instructions to reset it.
- Alternatively, refer to **Q3** to reset the router, then create a new password to log in.

Q5. What can I do if I forget my wireless network password?

- The default wireless password is printed on the product label of the router.
- If the default wireless password has been changed, log in to the router's web management page and retrieve or reset your password.

Safety Information

- Keep the device away from fire or hot environments. DO NOT immerse in water or any other liquid.
- 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.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.
- Adapter should be used indoors where the ambient temperature is lower than or equal to 40°C.
- Adapter shall be installed near the equipment and shall be easily accessible.
- The outdoor router can be used either indoors or outdoors.
- Before mounting your router outdoors, waterproof it to ensure device safety and performance.
- The waterproof cover must be secured before use!
- The product can only be installed by instructed person or skilled person!
- The plug on the power supply cord is used as the disconnect device, the socket-outlet shall be easily accessible.
- Use only power supplies which are provided by manufacturer and in the original packing of this product. If you have any questions, please don't hesitate to contact us.
- Plug the adapter into the wall outlets with earthing connection through the power supply cord.
- Operating Temperature: -30°C-60°C (-22°F-140°F).
- Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord.
- Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan.
- Apparatet må tilkoples jordet stikkontakt.
- Apparaten skall anslutas till jordat uttag.

Declaration of Conformity

TP-Link hereby declares that 5G Outdoor Router 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/

UK Declaration of Conformity

TP-Link hereby declares that 5G Outdoor Router 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/

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

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