



User Guide

AX1500/AX1800 Wi-Fi 6 Range Extender
RE500X/RE600X

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About This Guide

This guide is a complement to Quick Installation Guide. The Quick Installation Guide provides instructions for quick internet setup, while this guide contains details of each function and demonstrates how to configure them.

Note: Features available in this range extender may vary by model and software version. Range extender availability may also vary by region or ISP. All images, steps, and descriptions in this guide are only examples and may not reflect your actual range extender experience.

Conventions

In this guide the following conventions are used:

Convention	Description
<u>Underline</u>	Underlined words or phrases are hyperlinks. You can click to redirect to a website or a specific section.
Teal	Contents to be emphasized and texts on the web page are in teal, including the menus, items, buttons and so on.
>	The menu structures to show the path to load the corresponding page. For example, Settings > System Tools > Firmware Upgrade means the Firmware Upgrade page is under the System Tools menu that is located in the Settings tab.
 Note:	Ignoring this type of note might result in a malfunction or damage to the device.
 Tip:	Indicates important information that helps you make better use of your device.

More Info

The latest software, management app and utility are available from [Download Center](https://www.tp-link.com/support) at <https://www.tp-link.com/support>.

The Quick Installation Guide can be found where you find this guide or inside the package of the extender.

Operating temperature, storage temperature, and other specifications can be found on the product page at <https://www.tp-link.com>.

TP-Link Community is provided for you to discuss our products and share knowledge at <https://community.tp-link.com/>.

Our Technical Support contact information can be found at the Contact Technical Support page at <https://www.tp-link.com/support>.

Disclaimer

*Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and

network overhead, and 3) client limitations, including rated performance, location, connection, quality, and client condition.

*Use of Wi-Fi 6 (802.11ax), and features including OFDMA, MU-MIMO, 1024-QAM, and HT160 require clients to also support the corresponding features.

*This router may not support all the mandatory features as ratified in Draft 3.0 of IEEE 802.11ax specification.

*Further software upgrades for feature availability may be required.

Chapter 1

Get to Know About Your Extender

This chapter introduces what the extender can do and its appearance.

It contains the following sections:

- [Product Overview](#)
- [Appearance](#)

1.1. Product Overview

Bring Dead Zones Back to Life

Tired of Wi-Fi “dead zones”? The TP-Link extender is connected to your router wirelessly, strengthening its signal and expanding its coverage into areas that could not otherwise be reached.

Easy Installation & Quick Position

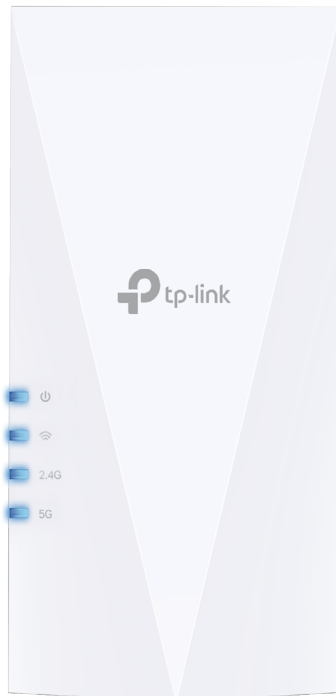
The extender works with any standard wireless router. Instantly connect the extender to a router by pressing the router’s WPS button (if available) followed by the extender’s WPS button. Alternatively, follow the Quick Setup instructions on the extender’s web management page.

Once the extender is connected to a router, you can relocate it to your preferred location with no further configuration required. The intelligent signal light can help to find the best location.

Easy Management with the TP-Link Tether App

Tether provides a simple, intuitive way to access and manage your extender with your smart devices.

1.2. Appearance



■ Note:

The provided plug may differ from the picture due to different regional power specifications .

1.2.1. LED Explanation

You can check the extender's working status by following the LED Explanation table.

Name	Status	Indication (For Range Extender Mode)
 (Power)	On/Off	The extender is on or off.
	Blinking	The system is starting up or firmware is being upgraded.
 (Signal)	Solid blue	The extender is connected to your router's wireless network and is in a suitable location.
	Solid red	The extender is receiving a weak signal. Try relocating it closer to your host router.
	Blinking	WPS connection is in progress.
	Off	No wireless connection is established.
2.4G	On/Off	The extender is connected or not connected to the 2.4GHz wireless network of your host router.
5G	On/Off	The extender is connected or not connected to the 5GHz wireless network of your host router.

1.2.2. Button Description

Button	Description
 (WPS)	Press the WPS button on your host router, and immediately press this button on the extender for 1 second. The  LED of the extender should change from blinking to solid on, indicating successful WPS connection.
Reset	Use a pin to press the button for 1 second to reset the extender.

■ Note:

Make sure the device is being used within 0-40°C (32°F - 104°F).

Chapter 2

Set Up Internet Connection

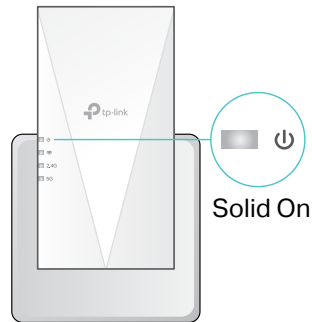
This chapter introduces how to boost your host wireless coverage. Please follow the step-by-step instructions to set up the internet connection.

It contains the following sections:

- [Power On the Extender](#)
- [Set Up the Extender](#)

2.1. Power On the Extender

Plug the extender into an electrical outlet **next to** your router, and then wait until the Power LED turns solid on.



Attention:

For safety, only plug the extender in upright direction as shown below.



2.2. Set Up the Extender

There are three ways to set up the extender: via the TP-Link Tether app, via a web browser, or via the WPS button.

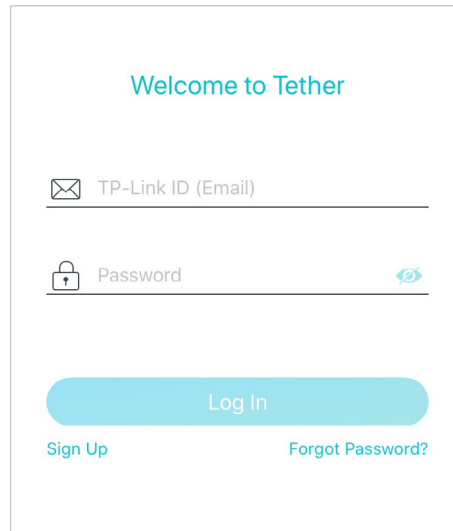
2.2.1. Method 1: Via the TP-Link Tether App

1. Launch the Apple App Store or Google Play Store and search **TP-Link Tether** or simply scan the QR code to download and install the app.

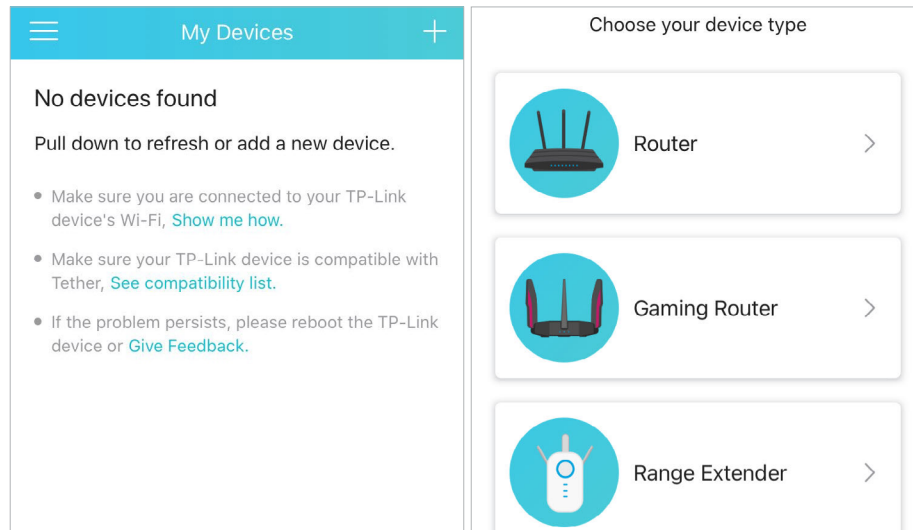


2. Launch the Tether app and log in with your TP-Link ID.

■ **Note:** If you don't have a TP-Link ID, create one first.



3. Tap the + icon on the upper-right corner and select [Range Extender](#).



4. Follow app instructions to set up your extender.

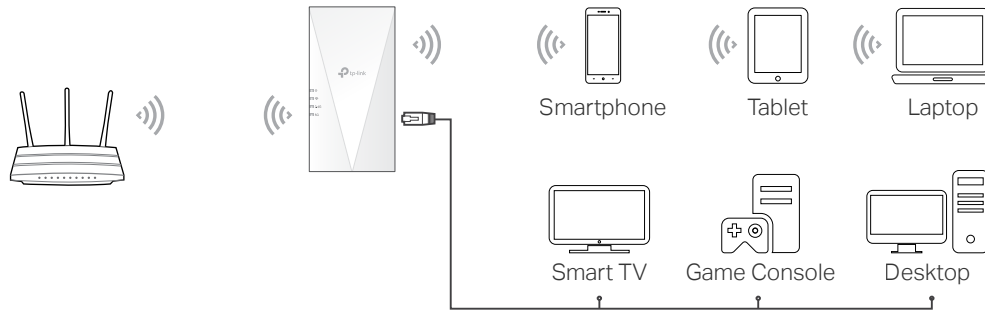
If the extender connects to a OneMesh router, it will copy the router's wireless settings for seamless roaming. For more information about Onemesh, refer to [OneMesh with Seamless Roaming](#).

5. Follow app instructions to relocate your extender.

Tip:

For more intuitive location assistance, access extender settings via Tether and go to [Tools > Location Assistant](#). You can also manage your extender via Tether, such as controlling LEDs, sharing passwords of your networks and blocking devices.

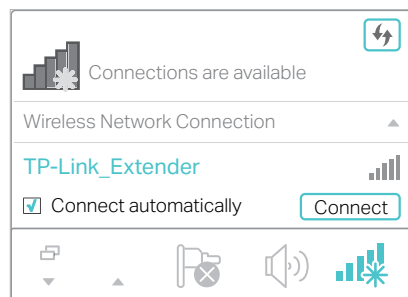
6. [Enjoy!](#) Connect your devices to the extender wirelessly or via an Ethernet cable, then enjoy the internet.



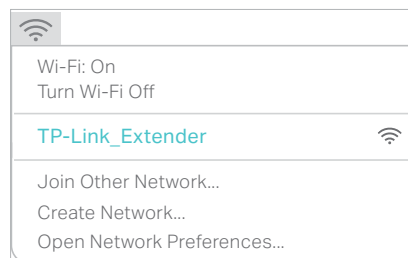
2.2.2. Method 2: Via a Web Browser

1. Connect your computer to the extender wirelessly as follows:

- For Windows Users
 - 1) Unplug the Ethernet cable from your computer (if any).
 - 2) Click the Wi-Fi icon on the taskbar and connect to the extender's wireless network: [TP-Link_Extender](#).

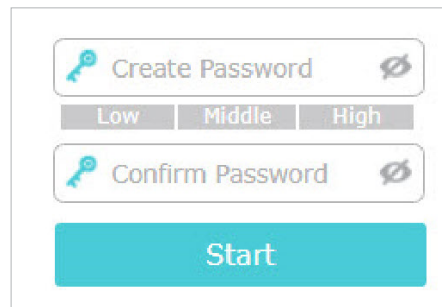


- For Mac OS X Users
 - 1) Unplug the Ethernet cable from your computer (if any).
 - 2) Click the Wi-Fi icon in the top right corner of the screen, and connect to the extender's network: [TP-Link_Extender](#).



2. Follow the instructions of the Quick Setup Wizard to connect the extender to your host router.

- 1) Launch a web browser, enter <http://tplinkrepeater.net> or <http://192.168.0.254> in the address bar, and then create a password to log in.

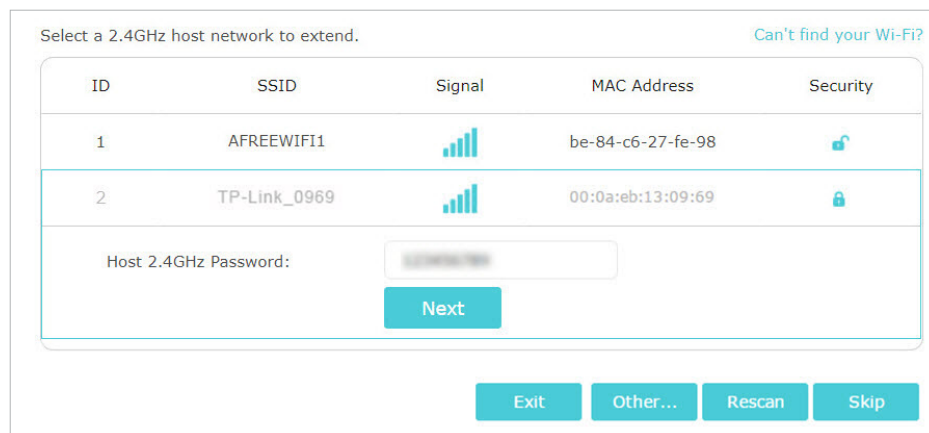


A password creation interface. It features a 'Create Password' button with a key icon and a lock icon. Below it are three tabs: 'Low', 'Middle', and 'High'. Under the 'Low' tab is a 'Confirm Password' button with a key icon and a lock icon. At the bottom is a large blue 'Start' button.

Note:

If the login window does not appear, please refer to [FAQ](#).

- 2) Select your host router's 2.4GHz SSID (network name), enter its password (NOT the password you just created for management), and click [Next](#).



Select a 2.4GHz host network to extend. [Can't find your Wi-Fi?](#)

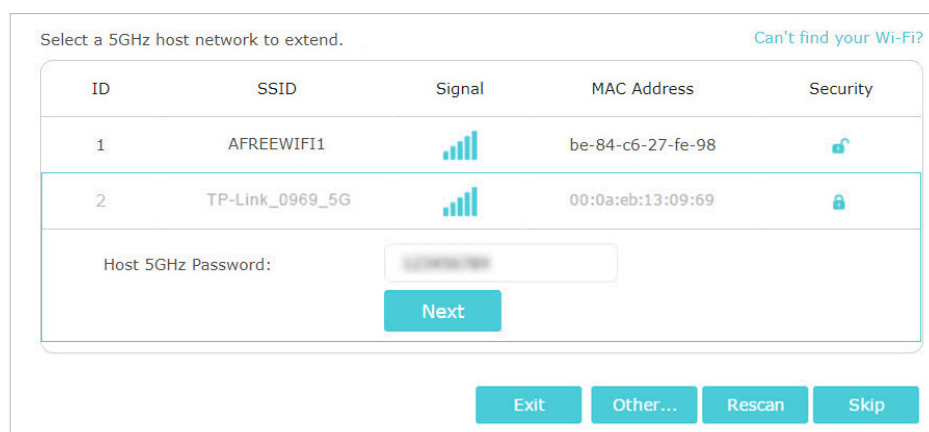
ID	SSID	Signal	MAC Address	Security
1	AFREEWIFI1		be-84-c6-27-fe-98	
2	TP-Link_0969		00:0a:eb:13:09:69	

Host 2.4GHz Password:

[Next](#)

[Exit](#) [Other...](#) [Rescan](#) [Skip](#)

- 3) Select your host router's 5GHz SSID (network name), enter its password (NOT the password you just created for management), and click [Next](#).



Select a 5GHz host network to extend. [Can't find your Wi-Fi?](#)

ID	SSID	Signal	MAC Address	Security
1	AFREEWIFI1		be-84-c6-27-fe-98	
2	TP-Link_0969_5G		00:0a:eb:13:09:69	

Host 5GHz Password:

[Next](#)

[Exit](#) [Other...](#) [Rescan](#) [Skip](#)

Note:

If your host router does not support 5GHz wireless network, please click [Skip](#) to continue.

- 4) Confirm your host network password.

Please confirm your host network password.

2.4GHz Host Network	5GHz Host Network
SSID: TP-Link_0969	SSID: TP-Link_0969_5G
Password: [REDACTED]	Password: [REDACTED]

Back Confirm

- 5) Either keep the default SSIDs (network names) or customize them for the extended networks, and then click [Next](#).

Tip:

If you connect the extender to a TP-Link OneMesh router, the extender will automatically join the router's OneMesh network and copy the router's wireless settings. For more information, refer to [OneMesh with Seamless Roaming](#).

Set the extended network names (SSIDs).

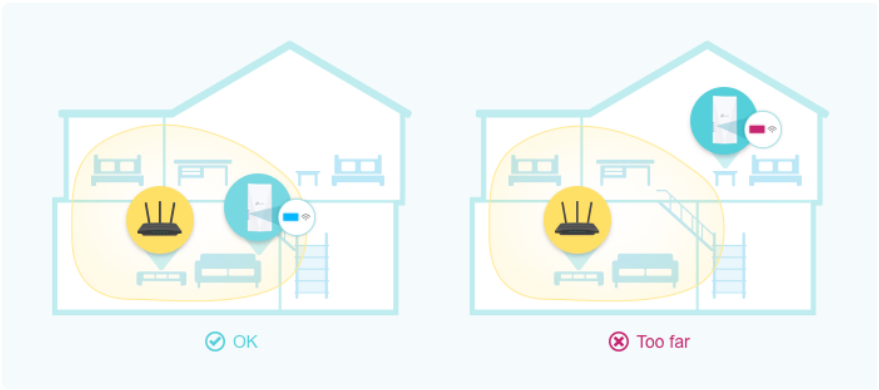
Extended 2.4GHz SSID:	TP-Link_0969_EXT
Extended 2.4GHz Password:	[REDACTED] (Same as your host network password)
Extended 5GHz SSID:	TP-Link_0969_5G EXT
Extended 5GHz Password:	[REDACTED] (Same as your host network password)

Back Next

- 6) Follow web instructions to relocate your extender for optimal Wi-Fi coverage and performance, and then click [Done](#).

Relocate your extender to optimize Wi-Fi coverage and performance.

- Plug in the extender about halfway between your router and the Wi-Fi dead zone. The location you choose must be within the range of the host network.
- Wait for about 2 minutes until the Signal LED turns solid blue. If it doesn't, relocate the extender closer to the router to achieve better signal quality.



Done

7) Note down your extended network information and finish the setup.

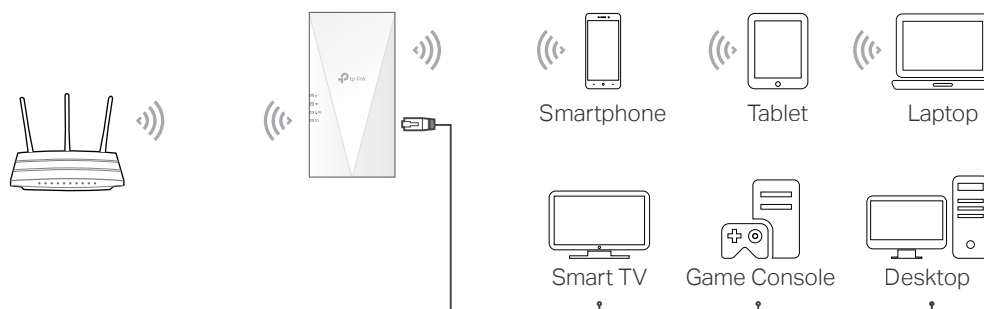
Now connect to the extended network, then click **Finish**.

2.4GHz Extended Network	5GHz Extended Network
SSID: TP-Link_0969_EXT	SSID: TP-Link_0969_5G_EXT
Password: [REDACTED]	Password: [REDACTED]

☒ I have connected to the extended network.

Finish

8) **Enjoy!** Connect your devices to the extender wirelessly or via an Ethernet cable, then enjoy the internet.

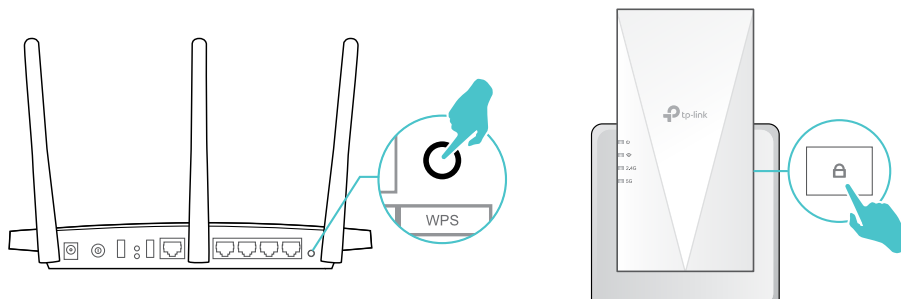


2. 2. 3. Method 3: Via the WPS Button

Use this way if your router has a WPS button. The button might look like one of these:



1. Press the WPS button on your host router, and then press the WPS button on the extender for 1 second within 2 minutes.



Note:

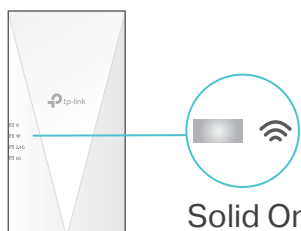
For more information about using WPS button on your host router, please refer to the router manufacturer's user guide.

2. Wait until the Signal LED  changes from blinking to solid on, which indicates that the WPS connection is successful.

Note:

If the LED does not turn solid on, try again or refer to [Method 1: Via the TP-Link Tether App](#) or [Method 2: Via a Web Browser](#).

3. If the extender connects to a dual band router, repeat steps 1 and 2 above to connect to the other band. Wait until the Signal LED  turns solid on, and the setup is done.



Extended Network Names:

Router's network name with _EXT at the end
or
Same as your OneMesh router

Passwords:

Same as your router

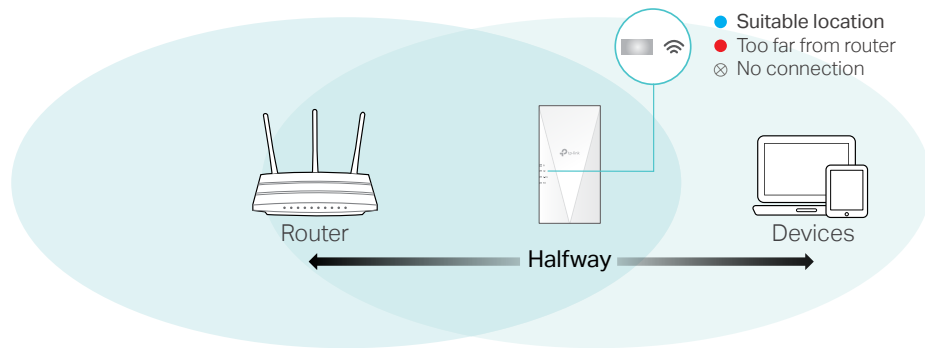
Note:

If you want to customize the extended network name, refer to [Configure Wireless Network](#).

If you cannot find the network names with _EXT in your Wi-Fi network list, this means that the extender has been connected to a OneMesh router and automatically copied its wireless settings. For more information, refer to [OneMesh with Seamless Roaming](#).

4. Relocate your extender for optimal Wi-Fi coverage and performance.

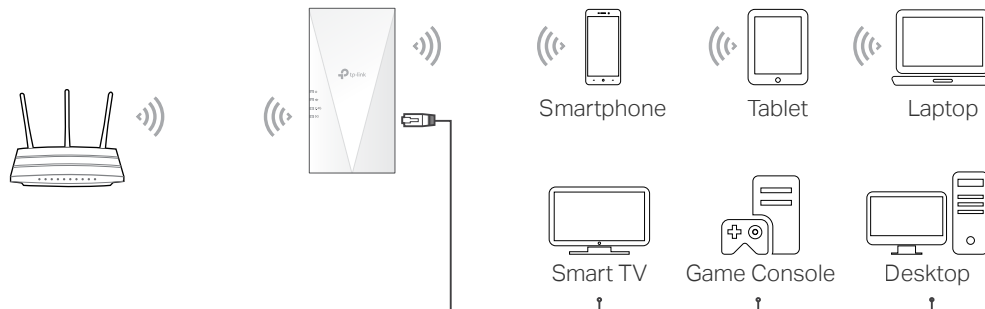
- 1) Plug in the extender about halfway between your router and the Wi-Fi dead zone. The location you choose must be within the range of your router.
- 2) Wait for about 2 minutes until the Signal LED  turns solid blue. If it doesn't, relocate the extender closer to the router to achieve better signal quality.



Tip:

To minimize signal interference, please choose a location which is far away from Bluetooth devices and other household electronic devices, such as cordless phones, microwave ovens and baby monitors.

5. **Enjoy!** Connect your devices to the extender wirelessly or via an Ethernet cable, then enjoy the internet.



Chapter 3

OneMesh with Seamless Roaming

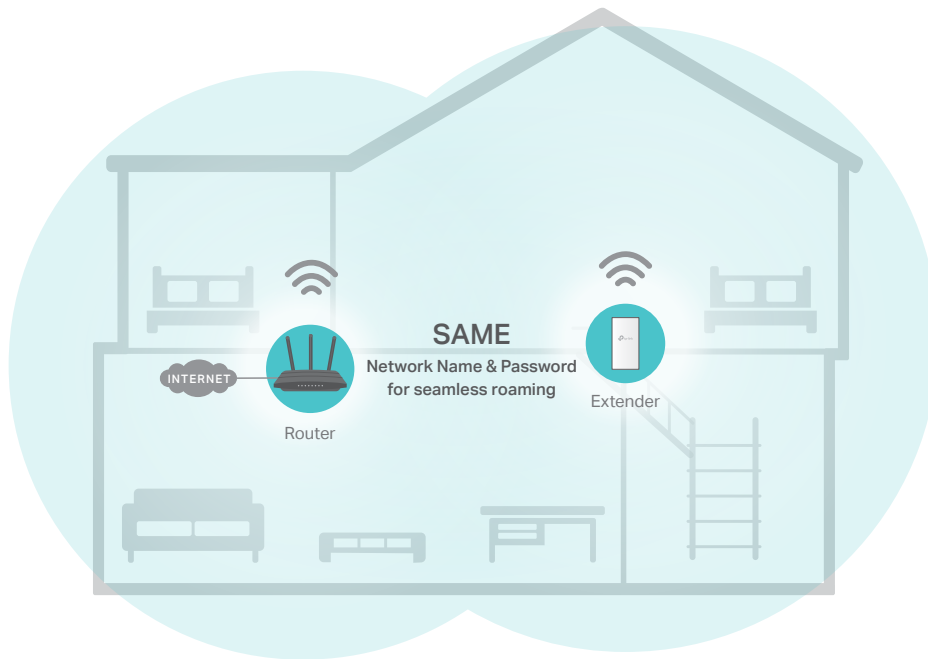
This chapter introduces the TP-Link OneMesh™ feature.

It contains the following sections:

- [What's a OneMesh Network](#)
- [How to Set Up a OneMesh Network](#)
- [How to Manage a OneMesh Network](#)

3.1. What's a OneMesh Network

TP-Link OneMesh™  router and TP-Link OneMesh™  extenders work together to form one unified Wi-Fi network. Walk through your home and stay connected with the fastest possible speeds thanks to OneMesh's seamless coverage.



Unified Wi-Fi Network

Router and extenders share the same wireless settings, including network name, password, access control settings and more.



Seamless Roaming

Devices automatically switch between your router and extenders as you move through your home for the fastest possible speeds.



Easy Setup and Management

Set up a OneMesh™ network with a push of WPS buttons. Manage all network devices on the Tether app or at your router's web management page.

To check full list of TP-Link OneMesh™ devices, scan the QR code, or visit <https://www.tp-link.com/onemesh/compatibility>.



3.2. How to Set Up a OneMesh Network

1. Make sure your router supports OneMesh.

■ Note: To check full list of OneMesh devices, visit <https://www.tp-link.com/onemesh/compatibility>. Firmware update may be required for some firmware versions.

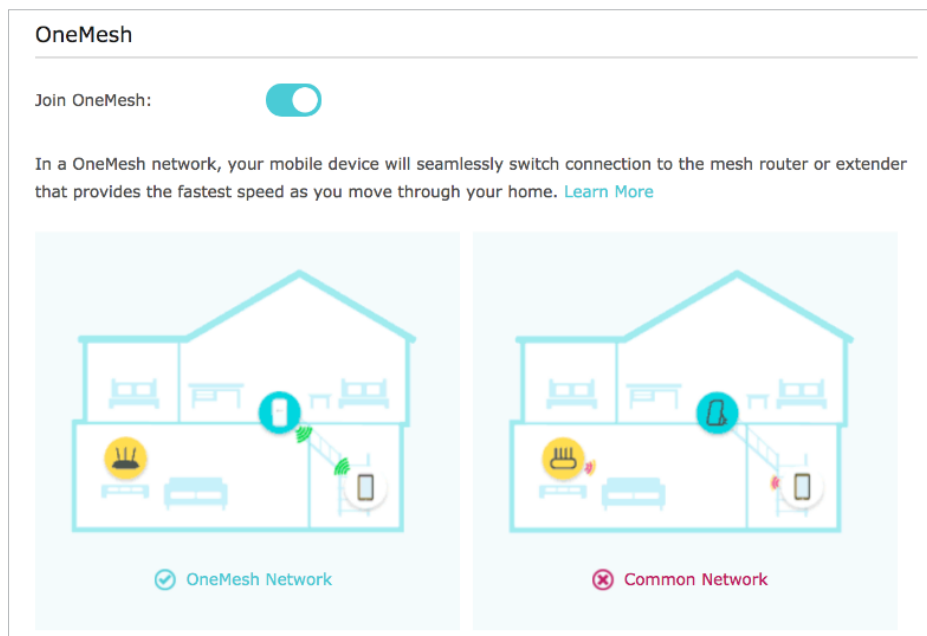
2. Connect the extender to your router by referring to the provided Quick Installation Guide or [Set Up Internet Connection](#). The extender will automatically join your router's OneMesh network.

3.3. How to Manage a OneMesh Network

- To leave or join a OneMesh network:

1. Visit <http://tplinkrepeater.net>, and log in with the password you set for the extender.
2. Go to [Settings > OneMesh](#).
3. Toggle off or on [Join OneMesh](#) according to your needs.

■ Note: This function is available only when the extender is connected to a OneMesh router.



- To change wireless settings:

Simply change wireless settings on your OneMesh router, the extender will automatically copy the settings.

- To manage devices in the OneMesh network:

1. Connect your computer or smartphone to the extender's or router's network.
2. Log in to your router's web management page (<http://tplinkwifi.net>).
3. Go to the OneMesh page to view and manage all mesh devices and their clients.

Chapter 4

TP-Link Cloud Service

TP-Link Cloud service provides a better way to manage your cloud devices. Log in to your cloud device with a TP-Link ID, and you can easily monitor and manage your home network when you are out and about via the Tether app on your smartphone or tablet. To ensure that your cloud device stays new and gets better over time, the TP-Link Cloud will notify you when an important firmware upgrade is available. Surely you can also manage multiple TP-Link Cloud devices with a single TP-Link ID.

This chapter introduces how to register a new TP-Link ID, bind or unbind TP-Link IDs to manage your cloud device, and the Tether app with which you can manage your home network no matter where you may find yourself.

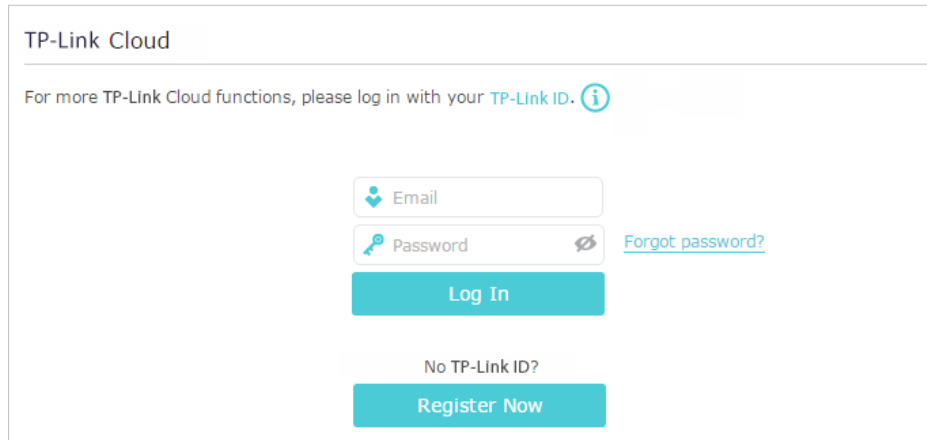
It contains the following sections:

- [Register a TP-Link ID](#)
- [Change Your TP-Link ID Information](#)
- [Manage the User TP-Link IDs](#)
- [Manage the Extender via the TP-Link Tether App](#)

4.1. Register a TP-Link ID

When you log in after initial setup, the web page will ask whether you need TP-Link Cloud service. You can also access the TP-Link Cloud settings as follows:

1. Visit <http://tplinkrepeater.net>, and log in with the password you set for the extender.
2. Go to [Settings](#) > [TP-Link Cloud](#).
3. Click [Register Now](#) and follow the instructions to register a TP-Link ID.



The screenshot shows the 'TP-Link Cloud' login page. At the top, it says 'TP-Link Cloud'. Below that, a message reads: 'For more TP-Link Cloud functions, please log in with your TP-Link ID.' followed by an information icon. There are two input fields: 'Email' with a dropdown arrow and 'Password' with a key icon and a toggle for visibility. To the right of the password field is a link for 'Forgot password?'. Below the fields is a blue 'Log In' button. Underneath the button, it says 'No TP-Link ID?' followed by a blue 'Register Now' button.

4. After activating your TP-Link ID, come back to the TP-Link Cloud page to log in. The TP-Link ID used to log in to the extender for the first time will be automatically bound as an [Admin](#).

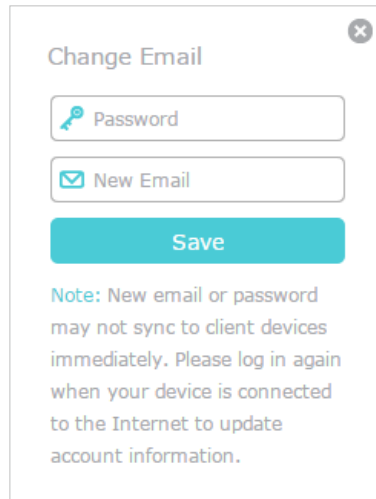
■ Notes:

- To learn more about the [Admin](#) and [User](#) TP-Link ID, refer to [Manage the User TP-Link IDs](#).
- Once you have registered a TP-Link ID on the web management page, you can only register another TP-Link ID via the Tether APP. Please refer to [Manage the Extender via the TP-Link Tether App](#) to install the app and register a new one.
- If you want to unbind the admin TP-Link ID from your extender, please go to [Settings](#) > [TP-Link Cloud](#), and click [Unbind](#) in the [Device Information](#) section.

4.2. Change Your TP-Link ID Information

Follow the steps below to change your email address and password of your TP-Link ID as needed.

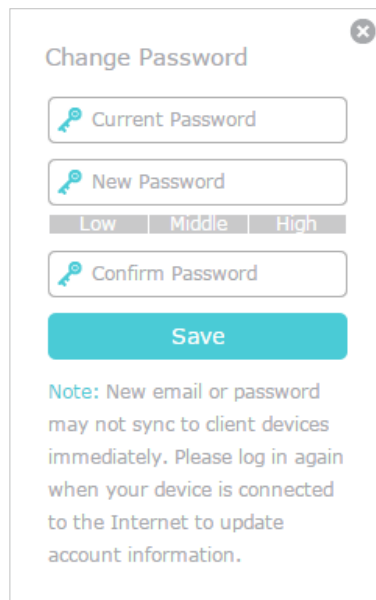
1. Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID.
2. Go to [Settings](#) > [TP-Link Cloud](#), and focus on the [Account Information](#) section.
 - **To change your email address:**
 1. Click  behind the Email.
 2. Enter the password of your TP-Link ID, then a new email address. And click [Save](#).



A dialog box titled "Change Email" with a close button (X) in the top right corner. It contains two input fields: "Password" with a key icon and "New Email" with an envelope icon. Below the fields is a teal "Save" button. At the bottom, a note states: "Note: New email or password may not sync to client devices immediately. Please log in again when your device is connected to the Internet to update account information."

- **To change your password:**

1. Click  behind the Password.
2. Enter the current password, then a new password twice. And click [Save](#).



A dialog box titled "Change Password" with a close button (X) in the top right corner. It contains three input fields: "Current Password" with a key icon, "New Password" with a key icon, and "Confirm Password" with a key icon. Below the "New Password" field are three tabs: "Low", "Middle", and "High". Below the fields is a teal "Save" button. At the bottom, a note states: "Note: New email or password may not sync to client devices immediately. Please log in again when your device is connected to the Internet to update account information."

4.3. Manage the User TP-Link IDs

The TP-Link ID used to log in to the extender for the first time will be automatically bound as the [Admin](#) account. An admin account can add or remove other TP-Link IDs to or from the same extender as [Users](#). All accounts can monitor and manage the extender locally or remotely, but user accounts cannot:

- Reset the extender to its factory default settings either on the web management page or in the Tether app.

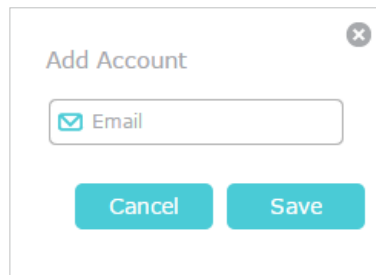
- Add/remove other TP-Link IDs to/from the extender.

4.3.1. Add TP-Link ID to Manage the Extender

1. Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID.
2. Go to **Settings > TP-Link Cloud**, and focus on the **Bound Accounts** section.
3. Click **+ Bind**, enter another TP-Link ID as needed and click **Save**.

■ Note:

If you need another TP-Link ID, please register a new one via the Tether app. Please refer to [Manage the Extender via the TP-Link Tether App](#) to install the app and register a new TP-Link ID.

A modal dialog box titled "Add Account" with a close button (X) in the top right corner. It contains a text input field with a checkmark icon and the label "Email". Below the input field are two buttons: "Cancel" and "Save".

Add Account	
☒ Email	
Cancel	Save

4. The new TP-Link ID will be displayed in the Bound Accounts table as a **User**.

Bound Accounts				
+ Bind - Unbind				
☐	ID	Email	Binding Date	Role
☐	1	shangyu_xu@163.com	06/11/2018	Admin
☐	2	shangyutong@163.com	06/11/2018	User

4.3.2. Remove TP-Link ID(s) from Managing the Extender

1. Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID.
2. Go to **Settings > TP-Link Cloud**, and focus on the **Bound Accounts** section.
3. Tick the checkbox(es) of the TP-Link ID(s) you want to remove and click **Unbind**.

Bound Accounts				
+ Bind - Unbind				
☐	ID	Email	Binding Date	Role
☐	1	shangyu_xu@163.com	06/11/2018	Admin
☒	2	shangyutong@163.com	06/11/2018	User

4. 4. Manage the Extender via the TP-Link Tether App

The Tether app runs on iOS and Android devices, such as smartphones and tablets.

1. Launch the Apple App Store or Google Play store and search “TP-Link Tether” or simply scan the QR code to download and install the app.



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

■ Note: If you don't have a TP-Link ID, create one first.

3. Connect your device to the extender's or host router's wireless network.
4. Go back to the Tether app, select the model of your extender and log in with the password you set for the extender.
5. Manage your extender as needed.

Chapter 5

Customize Your Network

This chapter guides you on how to configure network settings that are available for this extender.

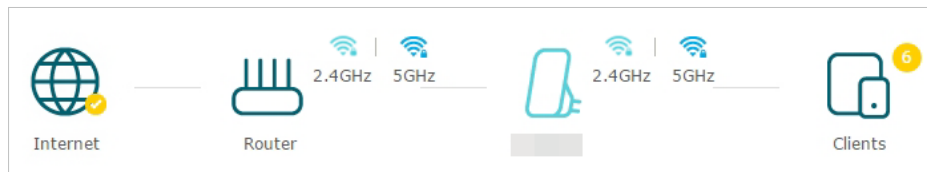
It contains the following sections:

- [Check Internet Status](#)
- [Configure Wireless Network](#)
- [Change LAN Settings](#)
- [Adjust Wi-Fi Coverage](#)
- [Set Access Control](#)
- [Set High Speed Mode](#)

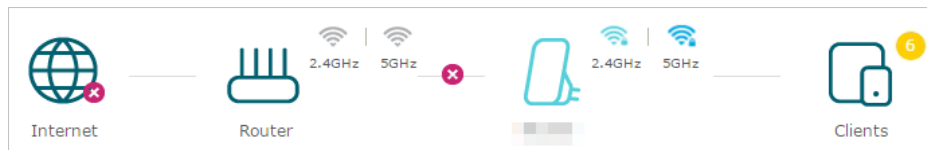
5.1. Check Internet Status

You can view the internet status of your extender to check whether you have successfully set up the extended network(s).

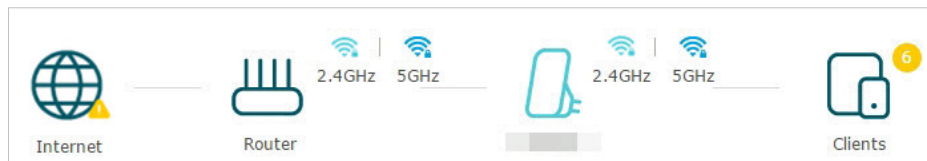
1. Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID or the password you set for the extender.
2. Go to [Settings](#) > [Status](#) to view the internet status of your extender.
 - The extender runs normally.



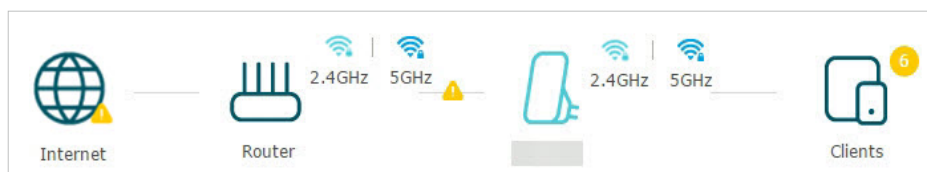
- The extender fails to connect to the host networks. Please go to [Settings](#) > [Wireless](#) > [Connect to Network](#) to check whether the host network passwords are correct. If the problem still exists, relocate the extender closer to the router to achieve better signal quality.



- The extender is connected to the host networks, but is not transmitting data. Please check the internet connection of your router.



- The extender is connected to the router abnormally. Please go to [Settings](#) > [Network](#) and try setting your extender to obtain an IP address automatically.



Click the icon of the Internet/Router/Range Extender/Clients to view corresponding information.

5.2. Configure Wireless Network

If you want to extend another host network after Quick Setup, you can refer to this section. Moreover, you can change the wireless settings for your extended networks.

Tip:

If the extender is in your router's OneMesh network, it will automatically copy wireless settings from your router. No wireless settings is needed for the extender.

Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID or the password you set for the extender.

Note:

Here we take the configuration of the 2.4GHz network as an example. If the 5GHz network is available on your extender, please refer to the instructions to set your 5GHz network.

- **To extend another host network:**

1. Go to **Settings > Wireless > Connect to Network**.
2. Enable **Connect to 2.4GHz Network** and click **Wireless Scanner** to find all available networks.

Connect to Host Network

2.4GHz Network: ☒ **Connect to 2.4GHz Network**

Wireless Scanner

Host 2.4GHz SSID:

Host 2.4GHz Security: **No Security** ▼

Host 2.4GHz Password:

5GHz Network: ☒ **Connect to 5GHz Network**

Wireless Scanner

Host 5GHz SSID:

Host 5GHz Security: **No Security** ▼

Host 5GHz Password:

Save

3. Select the 2.4GHz host network you want to extend.

Note:

If the network you want to extend is on but not listed, please try the following steps.

- Move the extender closer to your router, and rescan for networks.
- You can manually enter the SSID (network name) and password of the network you want to extend, and click **Save**.

4. Once a host network is selected, the SSID and security type will be automatically filled in. If the selected network is encrypted, enter the password in the **Password** field.

5. Click [Save](#).

- **To enable or disable the extended network:**

1. Go to [Settings](#) > [Wireless](#) > [Extended Network](#).
2. Extended networks are enabled by default. If you want to disable the wireless function of a certain band, just clear the [Enable](#) checkbox. In this case, all the wireless settings of this band will be invalid.
3. Click [Save](#).

- **To change the wireless network name (SSID):**

1. Go to [Settings](#) > [Wireless](#) > [Extended Network](#).
2. Create a new SSID in [Extended 2.4GHz SSID](#) or click [Copy Host SSID](#). The value is case-sensitive.

Extended Network Settings

Extended 2.4GHz: ☒ [Enable](#)

Extended 2.4GHz SSID: [Copy Host SSID](#)

☐ Hide SSID broadcast

[Note:](#) The extended 2.4GHz password is the same as your Host password.

Extended 5GHz: ☒ [Enable](#)

Extended 5GHz SSID: [Copy Host SSID](#)

☐ Hide SSID broadcast

[Note:](#) The extended 5GHz password is the same as your Host password.

[Save](#)

3. Click [Save](#).

■ **Note:**

If you have changed the wireless settings via a wireless device, you will be disconnected after the settings are applied. Please write down the new SSID for future use.

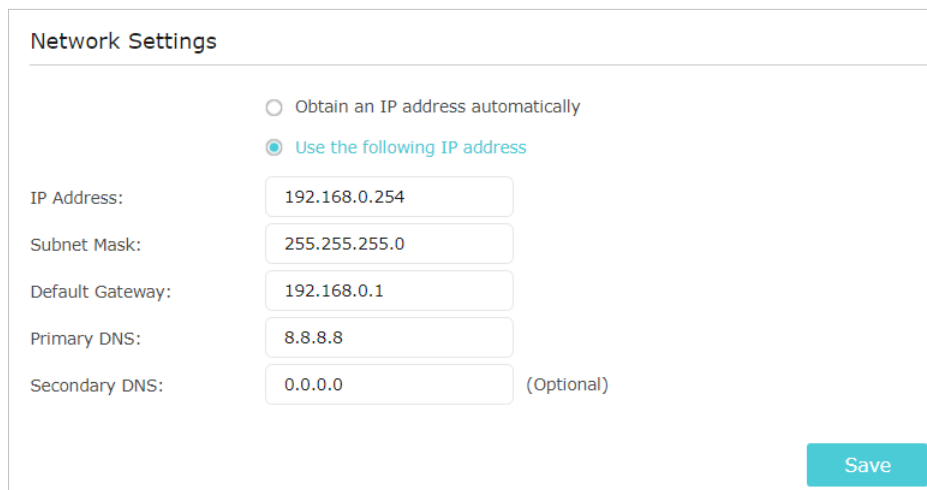
- **To hide the SSID of the extended network:**

1. Go to [Settings](#) > [Wireless](#) > [Extended Network](#).
2. Select [Hide SSID broadcast](#), and the corresponding SSID will not be displayed when wireless devices scan for local wireless networks. You need to manually enter the SSID to join the network.
3. Click [Save](#).

5.3. Change LAN Settings

The extender is preset with a default LAN IP 192.168.0.254, with which you can log in to the web management page. The LAN IP address, together with the Subnet Mask, also defines the subnet that the connected devices are on. If the IP address conflicts with another device on your local network or your network requires a specific IP subnet, you can change it.

1. Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID or the password you set for the extender.
2. Go to [Settings](#) > [Network](#).
3. Select [Use the following IP address](#).
4. Enter a new IP Address as needed and leave the [Subnet Mask](#) as the default settings.
5. Enter the gateway that is in the same subnet as the IP address. The gateway is usually the LAN IP address of your router.
6. Enter the DNS IP address provided by your ISP.



The screenshot shows the 'Network Settings' page. At the top, there are two radio buttons: 'Obtain an IP address automatically' (unselected) and 'Use the following IP address' (selected). Below these are five input fields: 'IP Address' (192.168.0.254), 'Subnet Mask' (255.255.255.0), 'Default Gateway' (192.168.0.1), 'Primary DNS' (8.8.8.8), and 'Secondary DNS' (0.0.0.0). The 'Secondary DNS' field is marked as '(Optional)'. A 'Save' button is located at the bottom right of the form.

7. Click [Save](#).

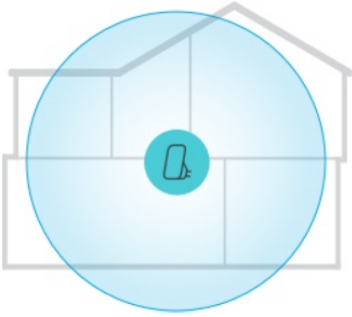
5.4. Adjust Wi-Fi Coverage

You can set the extender's Wi-Fi coverage depending on how large you want your Wi-Fi area to be.

1. Visit <http://tplinkrepeater.net> and log in with your TP-Link ID or the password you set for the extender.
2. Go to [Settings](#) > [Advanced Settings](#) > [Wi-Fi Coverage](#).
3. Select your desired Wi-Fi coverage level for the extender.

Wi-Fi Coverage

Set the Wi-Fi coverage of your extender as needed.



☒ **Maximum Coverage**
The extender will provide a long-range Wi-Fi signal but use up more power.

☐ **Intermediate Coverage**
The extender will provide a medium-range Wi-Fi signal.

☐ **Minimum Coverage**
The extender will provide a short-range Wi-Fi signal and use up less power.

Save

4. Click [Save](#).

5.5. Set Access Control

Access Control allows you to permit or block specific devices from accessing the internet for a specific period.

 **Tip:**

If the extender is in your router's OneMesh network, it will automatically copy access control settings from your router. No access control settings is needed for the extender.

1. Visit <http://tplinkrepeater.net> and log in with your TP-Link ID or the password you set for the extender.
2. Go to [Settings](#) > [Advanced Settings](#) > [Access Control](#).
3. Enable [Access Control](#).

Access Control

Access Control: ☒

- **To block specific device(s):**

1. Select [Blacklist](#) and click [Save](#).

Access Mode

Default Access Mode: ☒ Blacklist ☐ Whitelist

[Save](#)

2. Select the device to be blocked in the [Online Devices](#) table by ticking the corresponding checkbox.
3. Click [Block](#) and the selected device(s) will be added to the [Devices in Blacklist](#) table.

Online Devices

[Refresh](#) [Block](#)

☐	ID	Device Name	IP Address	MAC Address	Connection Type	Modify
☐	1		192.168.0.102		Wireless	Block

4. Click [✎](#) in the [Devices in Blacklist](#) table to set the [Effective Time](#) for a certain entry as needed.

Device Name:

MAC Address:

Effective Time: ☐ Cannot access at any time

☒ Cannot access based on the time schedule

Time: : - :

Day(s):

☐ Monday
 ☐ Tuesday

☐ Wednesday
 ☐ Thursday

☐ Friday
 ☐ Saturday

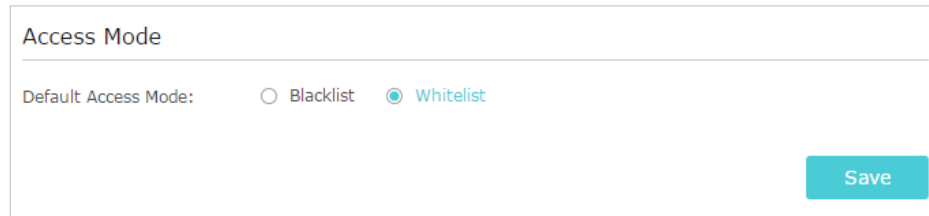
☐ Sunday

[Cancel](#) [Save](#)

5. Click [Save](#).

- To permit specific device(s):**

1. Select [Whitelist](#) and click [Save](#).

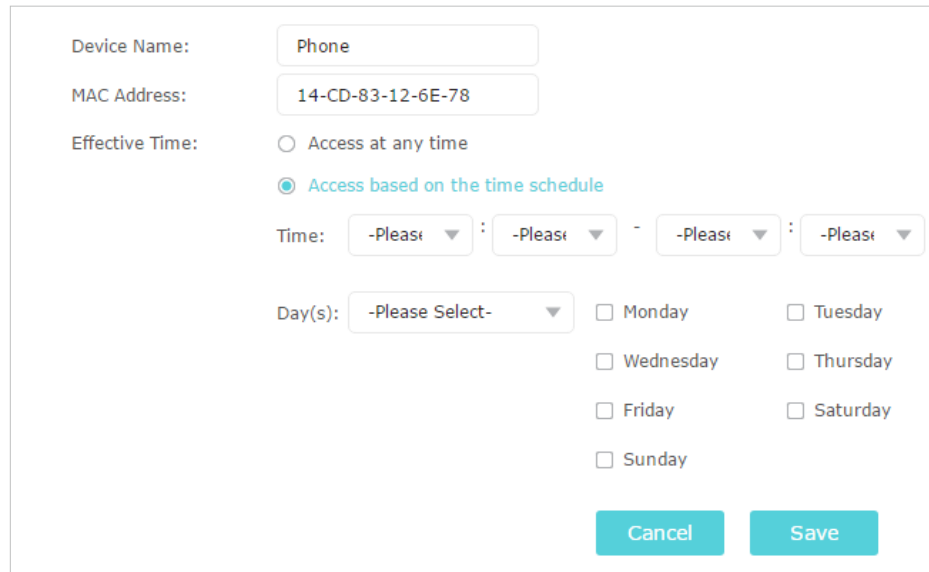


Access Mode

Default Access Mode: ☐ Blacklist ☒ Whitelist

Save

2. Click [Add](#) in the [Devices in Whitelist](#) table. Enter the [Device Name](#) and [MAC Address](#). And you can set the [Effective Time](#) for a certain entry as needed.



Device Name:

MAC Address:

Effective Time: ☐ Access at any time ☒ Access based on the time schedule

Time: : - :

Day(s): ☐ Monday ☐ Tuesday ☐ Wednesday ☐ Thursday ☐ Friday ☐ Saturday ☐ Sunday

Cancel Save

3. Click [Save](#).

5.6. Set High Speed Mode

The High Speed feature switches off one of the wireless bands to leave one high-performance, super-fast network, ideal for HD streaming and gaming applications.

If most of your devices are connected to one wireless band, this feature can increase the overall performance of your wireless network.

■ Notes:

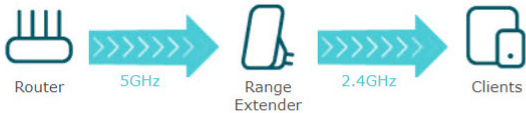
1. This function is not available when the extender is in a OneMesh network.
2. Before enabling this feature, please go to [Settings > Wireless > Extended Network](#) and check that the 2.4GHz and 5GHz bands are both enabled. Additionally, if you are going to disable the 2.4GHz network, it's recommended to first make sure all your wireless devices support 5GHz network connection.
1. Visit <http://tplinkrepeater.net> and log in with your TP-Link ID or the password you set for the extender.
2. Go to [Settings > Advanced Settings > High Speed](#).
3. Enable [High Speed Mode](#).

4. Select the **Auto** mode. The extender will decide which band the high-speed network will work on based on its wireless connection to your host router. The other band will be disabled.

High Speed

High Speed Mode: ☒ **Enable**
☒ **Auto**

Note: With High Speed enabled, the 5GHz band of extender will be switched off.



```
graph LR; Router[Router] -- 5GHz --> Extender[Range Extender]; Extender -- 2.4GHz --> Clients[Clients]
```

☐ **Manual**

Save

5. Click **Save**.

Chapter 7

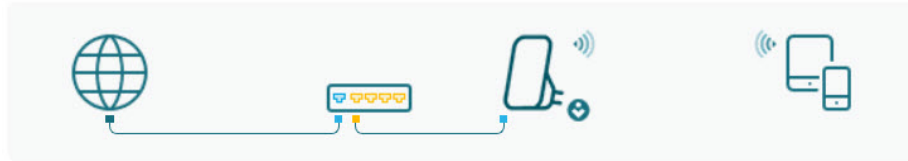
Use Your Extender as an Access Point

This chapter explains how to use the extender as an access point.

It contains the following sections:

- [Set Up the Extender as an Access Point](#)
- [Connect Wireless Devices to the Extender](#)
- [LED Explanation for the Access Point Mode](#)

The extender can work as an access point, transforming your existing wired network to a wireless one.



6.1. Set Up the Extender as an Access Point

1. Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID or the password you set for the extender.
2. Click **Mode** in the top right corner of the page. Select **Access Point** and click **Save**. The extender will reboot and switch to Access Point mode.

Mode Selection

☒ **Access Point**
Transforms your existing wired network to a wireless network.

☐ **Repeater**
Extends your existing wireless coverage by repeating the wireless signal.

CancelSave

3. Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID or the password you set for the extender.
4. Go to **Quick Setup** to configure your extender.
 - 1) Configure your wireless settings and click **Next**.