



User Guide

AC1200 Wi-Fi Range Extender
RE300

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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.

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>Underlined</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 function 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.
Tips:	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.

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>.

Speed/Coverage 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.

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

1. 2. 1. LED Explanation





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

Name	Status	Indication
 (Power)	On/Off	The extender is on or off.
	Blinking	The system is starting up or firmware is being upgraded.
 (Signal)	Solid white	The extender is connected to your router's wireless network and is in a suitable location.
	Solid red	The extender is experiencing poor signal strength. Try relocating it closer to your 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 router.
5G	On/Off	The extender is connected or not connected to the 5GHz wireless network of your router.

1.2.2. Port and Button Description



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

Item	Description
 (WPS) button	Press the WPS button on your 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 button (hole)	Use a pin to press the button for 1 second to reset the extender.

Chapter 2

Set Up Internet Connection

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

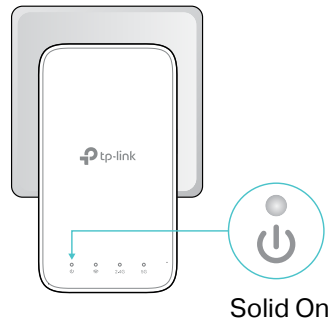
It contains the following sections:

- [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.

■ **Note:** For safety, only plug the extender in the 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.

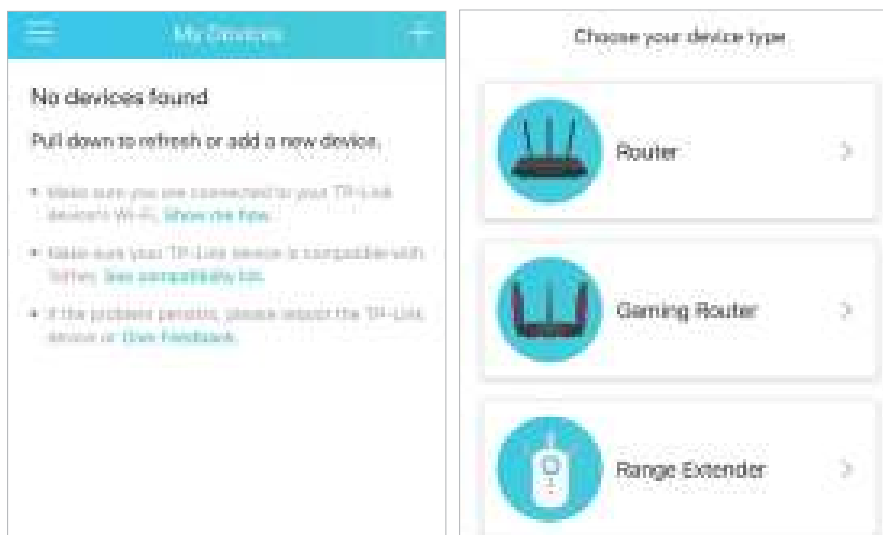


2. Launch the Tether app and log in with your TP-Link ID.

■ **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](#).

Tip:

It is recommended to enable **Smart Connect** on your main router to enjoy a seamless connection between dual-band networks. With Smart Connect enabled, your main router's 2.4GHz and 5GHz share the same SSID (network name) and password. Refer to your router's user guide to enable Smart Connect.

5. Follow app instructions to relocate your extender.

Tip:

For more intuitive location assistant, 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, then enjoy the internet.

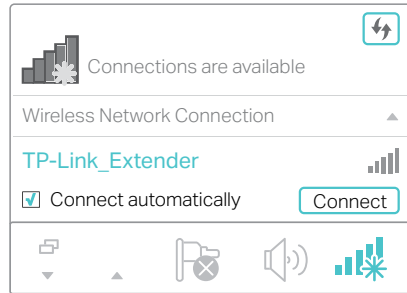


2.2.2. Method 2: Via a Web Browser

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

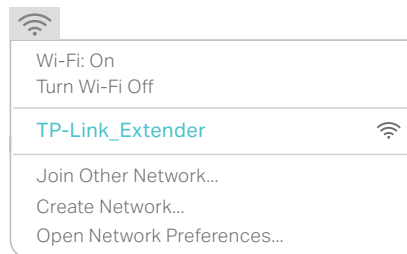
- For Windows Users

- 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 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.

■ Note:

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

 A screenshot of a web form titled "Create Login Password". It has two input fields: "New Password" and "Confirm Password". Below the "New Password" field, there is a note: "Please enter 1-15 characters using a combination of numbers and symbols." At the bottom of the form is a blue "LOGIN" button.

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



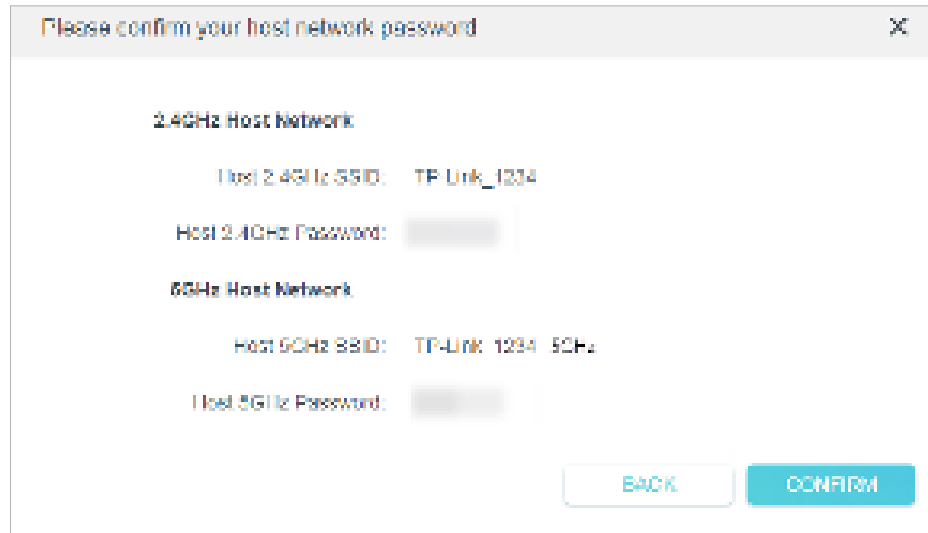
3) Select your router's 5GHz SSID (network name), enter its password (NOT the password you just created for management), and click **NEXT**.

■ Note:

1. If your router does not support 5GHz wireless network, please click **SKIP** to continue.
2. It is recommended to enable **Smart Connect** on main host router to enjoy a seamless connection between dual-band networks. With Smart Connect enabled, your main router's 2.4GHz and 5GHz share the same SSID (network name) and password. Refer to your router's user guide to enable Smart Connect.



4) Confirm your main network password.



Please confirm your host network password

2.4GHz Host Network

Host 2.4GHz SSID: TP-Link_1234

Host 2.4GHz Password: [REDACTED]

5GHz Host Network

Host 5GHz SSID: TP-Link_1234_5GHz

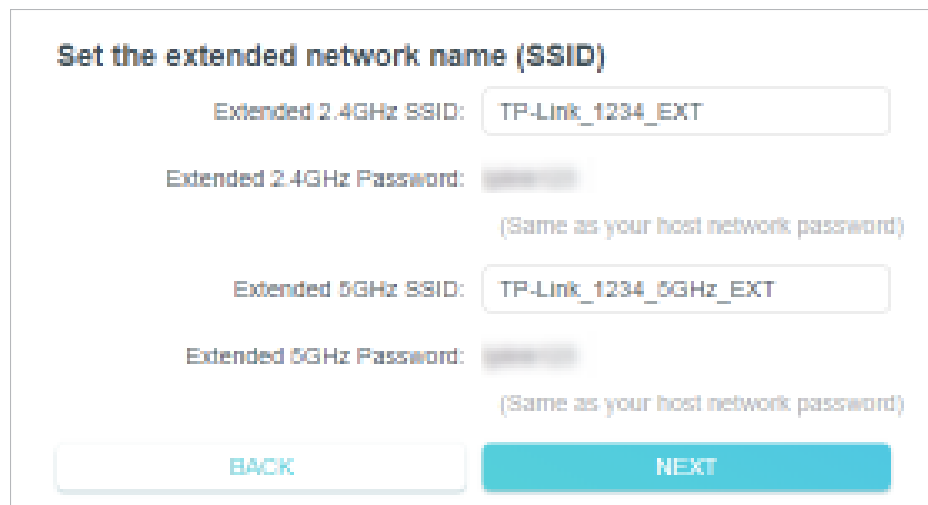
Host 5GHz Password: [REDACTED]

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 name (SSID)

Extended 2.4GHz SSID: TP-Link_1234_EXT

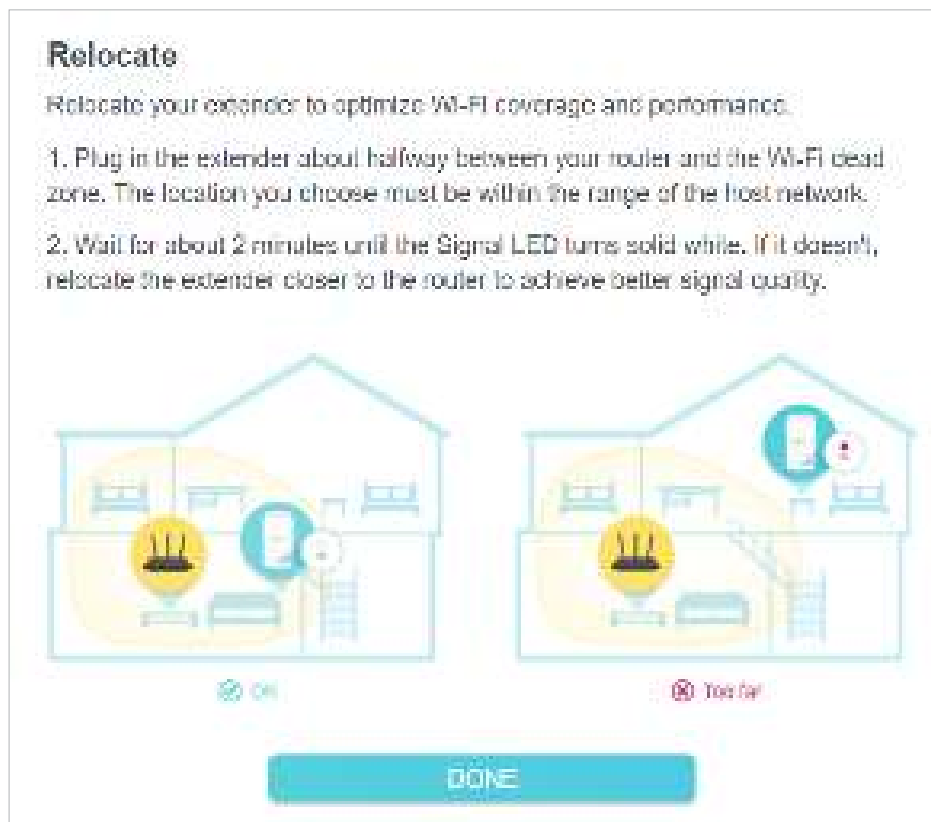
Extended 2.4GHz Password: [REDACTED]
(Same as your host network password)

Extended 5GHz SSID: TP-Link_1234_5GHz_EXT

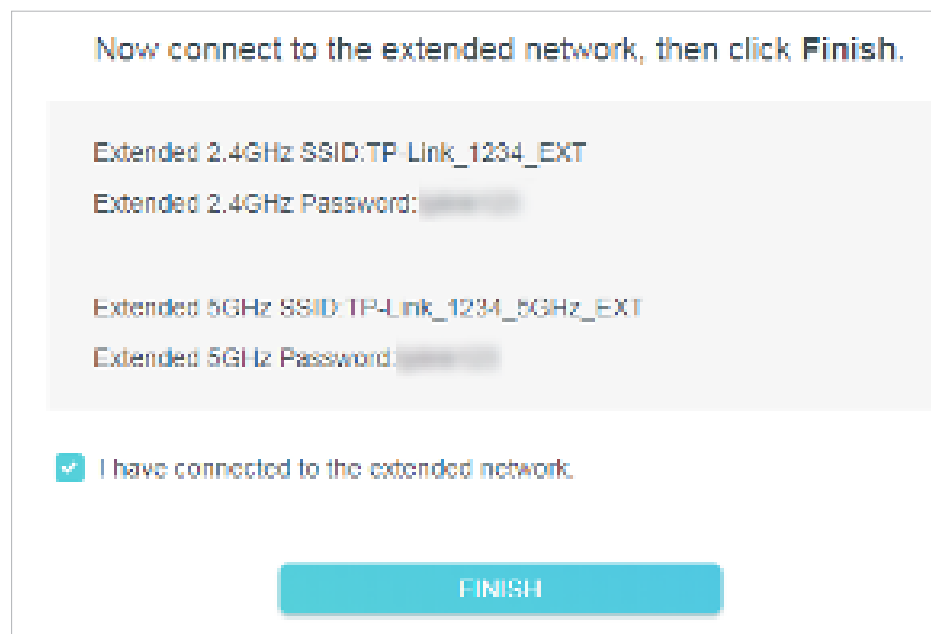
Extended 5GHz Password: [REDACTED]
(Same as your host network password)

BACK NEXT

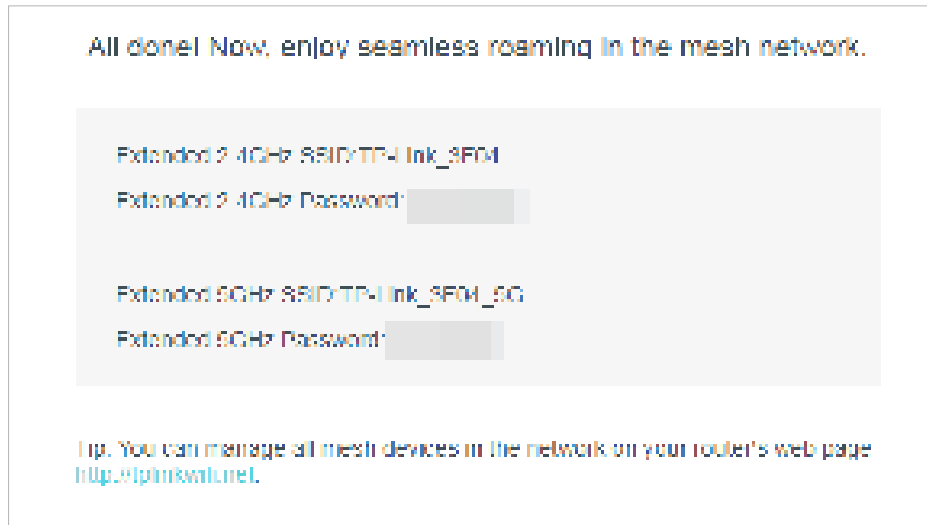
6) Follow web instructions to relocate your extender for optimal Wi-Fi coverage and performance, and then click **DONE**.



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



If you connect the extender to a TP-Link OneMesh router and a success screen as below appears at the end of the setup, the extender has successfully joined the router's OneMesh network and copied the router's wireless settings. For more information, refer to [OneMesh with Seamless Roaming](#).



8) **Enjoy!** Connect your devices to the extender wirelessly, 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 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 router, please refer to the router manufacturer's user guide.

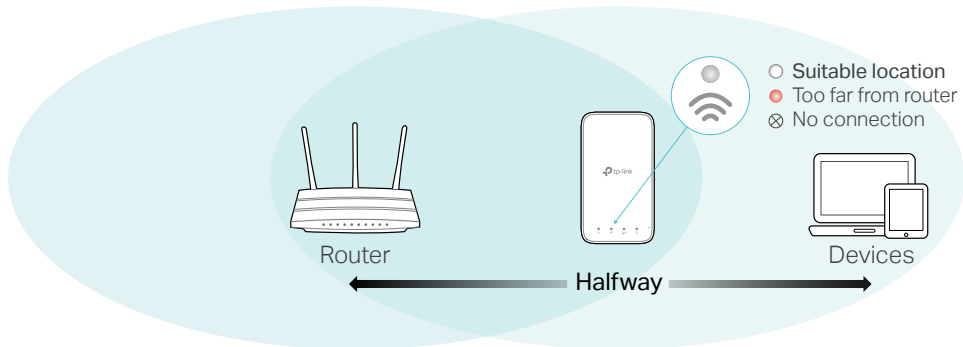


2. Wait until the Signal LED  changes to solid on, which indicates that the WPS connection is successful.

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. (Optional) If the extender connects to a dual band router, repeat steps 1 and 2 above to connect to the other band.
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 white. If it doesn't, relocate the extender closer to the router to achieve better signal quality.




Note:

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, then enjoy the internet.



The extended network information is as follows:



Extended Network Names:
 Router's network name with `_EXT` at the end
 or
 Same as your OneMesh router

Passwords:
 Same as your router

Tip:

- 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](#).

Chapter 3



OneMesh with Seamless Roaming

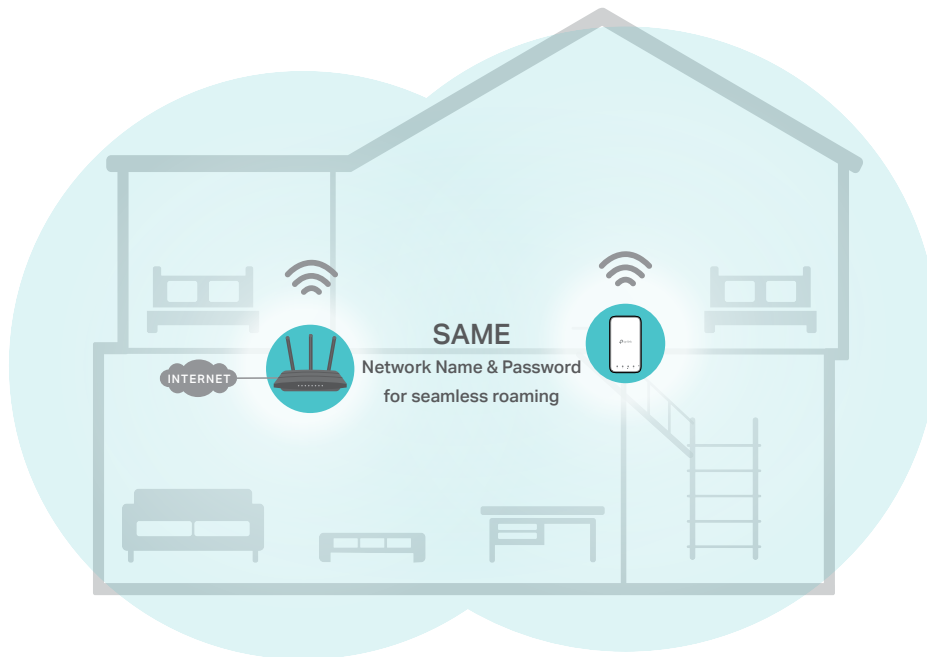
This chapter introduces the TP-Link OneMesh™ feature.

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.

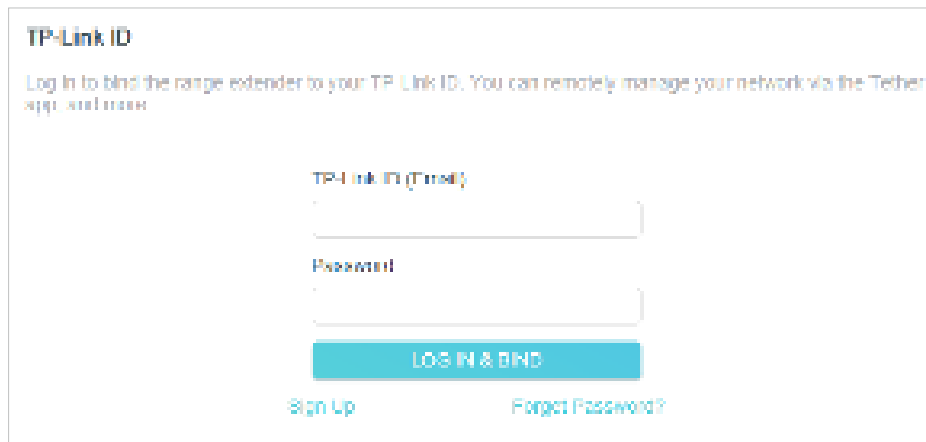
It contains the following sections:

- [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 [Sign Up](#) and follow the instructions to register a TP-Link ID. 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.

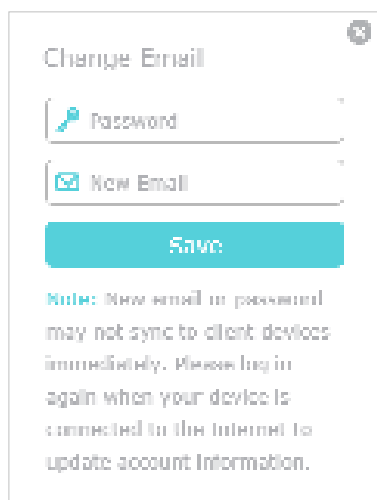
4.2. Change Your TP-Link ID Information

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 or the password you set for the extender.
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](#).



Change Email


Password

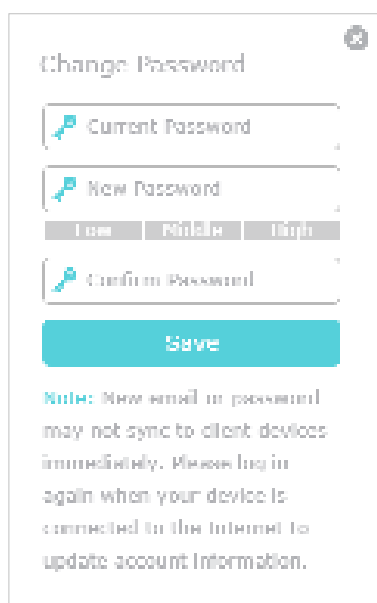
New Email

Save

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](#).



Change Password

Current Password

New Password

Low Middle High

Confirm Password

Save

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.

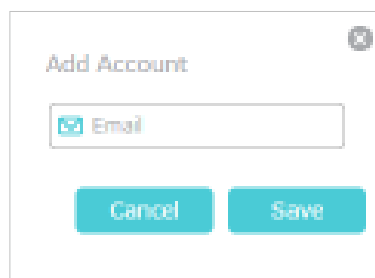
- Add/remove other TP-Link IDs to/from the extender.

4.3.1. Add TP-Link ID to Manage the Extender

1. Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID or the password you set for the extender.
2. Go to **Settings** > **TP-Link Cloud**, and focus on the **Bound Accounts** section.
3. Click  **Add**, 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.



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



ID	Email	Binding Date	Role
1	admin@tplink.com	07/11/2020	Admin
2	user@tplink.com	07/15/2020	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 or the password you set for the extender.
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				
	ID	Email	Binding Date	Role
	1	admin@tp-link.com	03/11/2020	Admin
	2	admin@tp-link.com	03/11/2020	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.

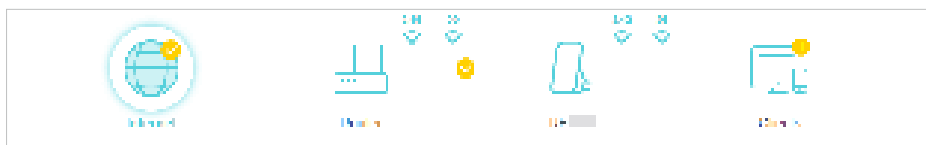
It contains the following sections:

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

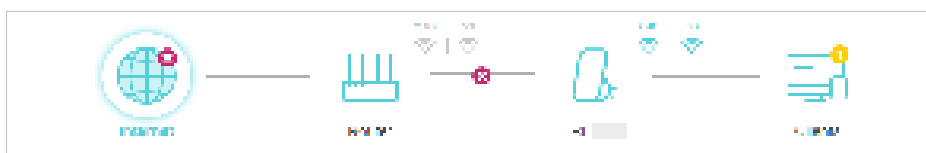
5.1. Check Internet Status

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

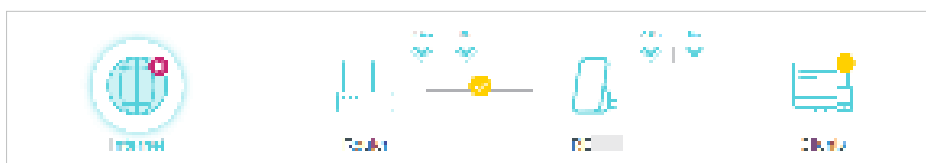
1. Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID or the password you set for the extender.
2. Go to [Network Map](#) to view the internet status of your extender.
 - The extender runs normally.



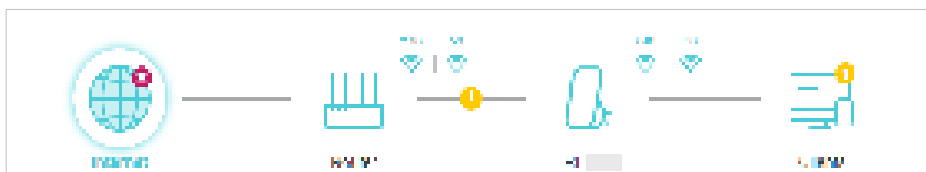
- The extender fails to connect to your main networks. Please go to [Wireless > Connect to Host Network](#) to check whether the main network passwords are correct. If the problem still exists, relocate the extender closer to the router to achieve better signal quality.



- The extender is connected to your main 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 main network after Quick Setup, you can refer to this section. Moreover, you can change the wireless settings for your extended networks.

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 main network:**

1. Go to [Wireless > Connect to Host Network](#).
2. Enable [Connect to 2.4GHz Network](#) and click [WIRELESS SCANNER](#) to find all available networks.

Note:

It is unable to change main network settings when the extender is in a OneMesh network.

Connect to Host Network
Connect range extender to an existing Wi-Fi to expand Wi-Fi coverage.

2.4GHz Network **Connect to 2.4GHz Network**

 Host 2.4GHz SSID:
 Host 2.4GHz Security: WPA/WPA2 Personal (Recommend)
 Host 2.4GHz Password:

5GHz Network **Connect to 5GHz Network**

 Host 5GHz SSID:
 Host 5GHz Security: WPA/WPA2 Personal (Recommend)
 Host 5GHz Password:

3. Select the 2.4GHz 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 click [Refresh](#) in the top-right corner of the list.
- 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 [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):**

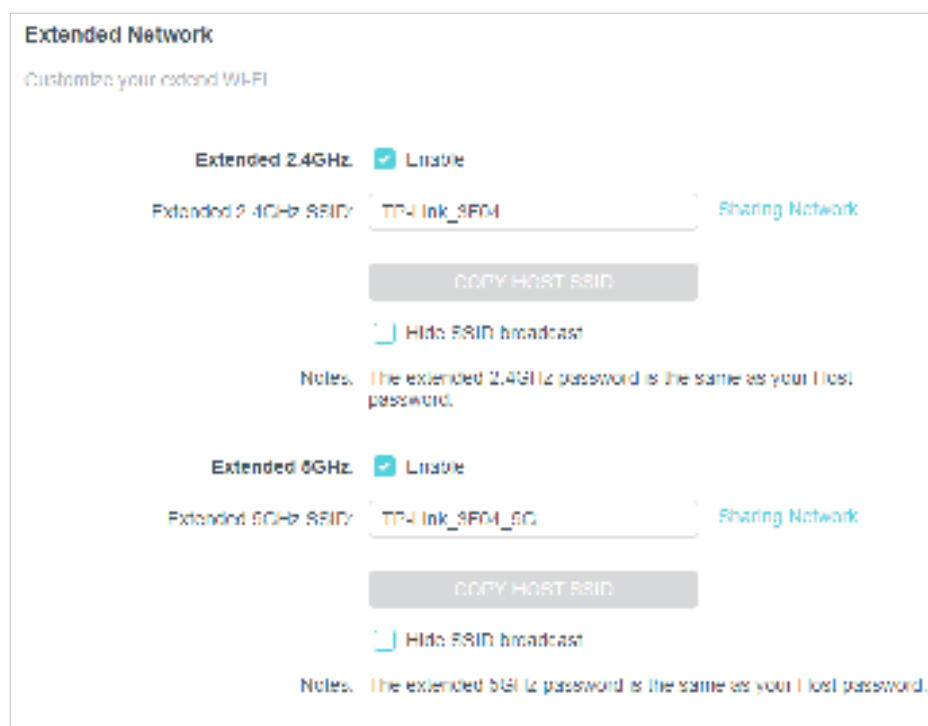
1. Go to [Wireless > Extended Network](#).
2. Create a new SSID in [Extended 2.4GHz SSID](#) or click [COPY HOST SSID](#). The value is case-sensitive.
3. Click [SAVE](#).

■ **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 [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](#).



Extended Network
Customize your extend Wi-Fi

Extended 2.4GHz Enable

Extended 2.4GHz SSID: [Sharing Network](#)

[COPY HOST SSID](#)

Hide SSID broadcast

Notes: The extended 2.4GHz password is the same as your host password.

Extended 5GHz Enable

Extended 5GHz SSID: [Sharing Network](#)

[COPY HOST SSID](#)

Hide SSID broadcast

Notes: The extended 5GHz password is the same as your host password.

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 > LAN Settings**.
3. Select **Use the following IP address**.

LAN Settings
View and configure LAN settings.

Obtain an IP address automatically (Recommended)
 Use the following IP address

IP Address: 192.168.0.254
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.0.254
Primary DNS: 192.168.0.1
Secondary DNS: 0.0.0.0 (Optional)

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 extender.
6. Leave the primary and secondary DNS addresses as the default settings.
7. Click **SAVE**.

5.4. Specify DHCP Server Settings

By default, the DHCP (Dynamic Host Configuration Protocol) Server is auto and the extender acts as a DHCP server and dynamically assigns TCP/IP parameters to client devices from the IP Address Pool when the router's DHCP server is disabled. You can change the settings of the DHCP Server if necessary.

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](#) > [DHCP Server](#).



1. Select [On](#) to enable the DHCP Server of the extender.
2. Enter the starting and ending IP addresses in the [IP Address Pool](#).
3. Enter other parameters if the ISP offers. The Default Gateway is automatically filled in and is the same as the LAN IP address of the router.
4. Click [SAVE](#).

5.5. Set High Speed Mode

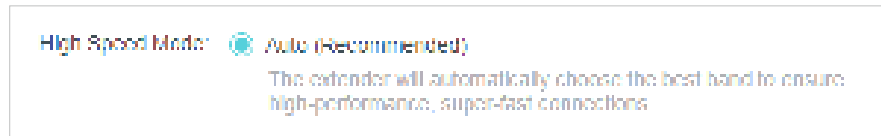
The High Speed feature switches off one of the wireless bands to leave one high-performance, super-fast network, ideal for HD streaming and gaming applications.

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

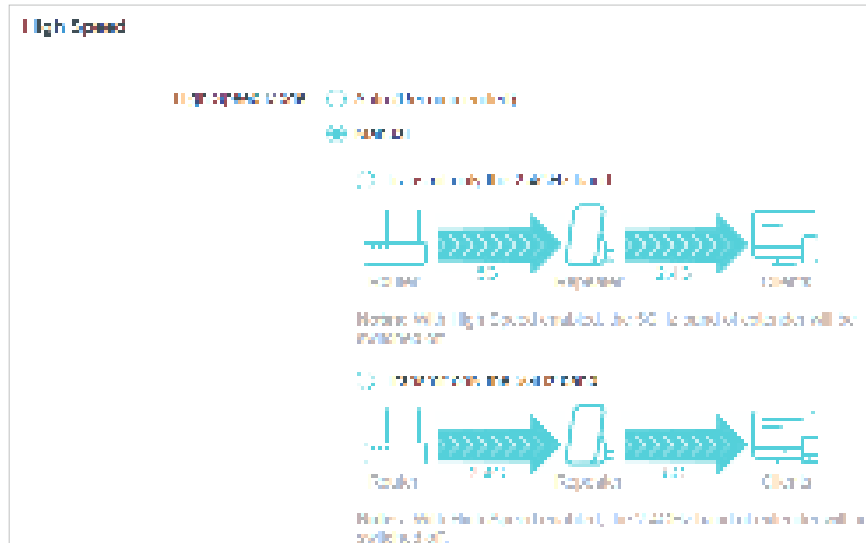
Note:

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. Select a high speed mode as needed.
 - Select the [Auto](#) mode. The extender will decide which band the high-speed network will work on based on its wireless connection to your router. The other band will be disabled.



- Select the **Manual** mode and choose to transmit 2.4GHz band or 5GHz band only.



4. Click **SAVE**.

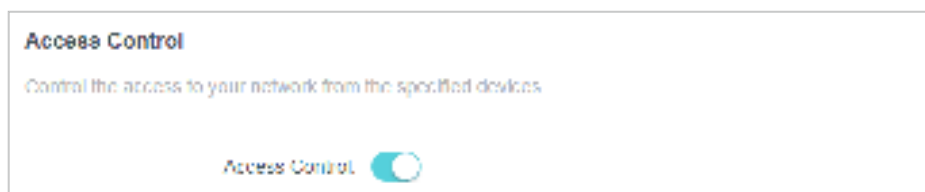
5.6. Set Access Control

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

Note:

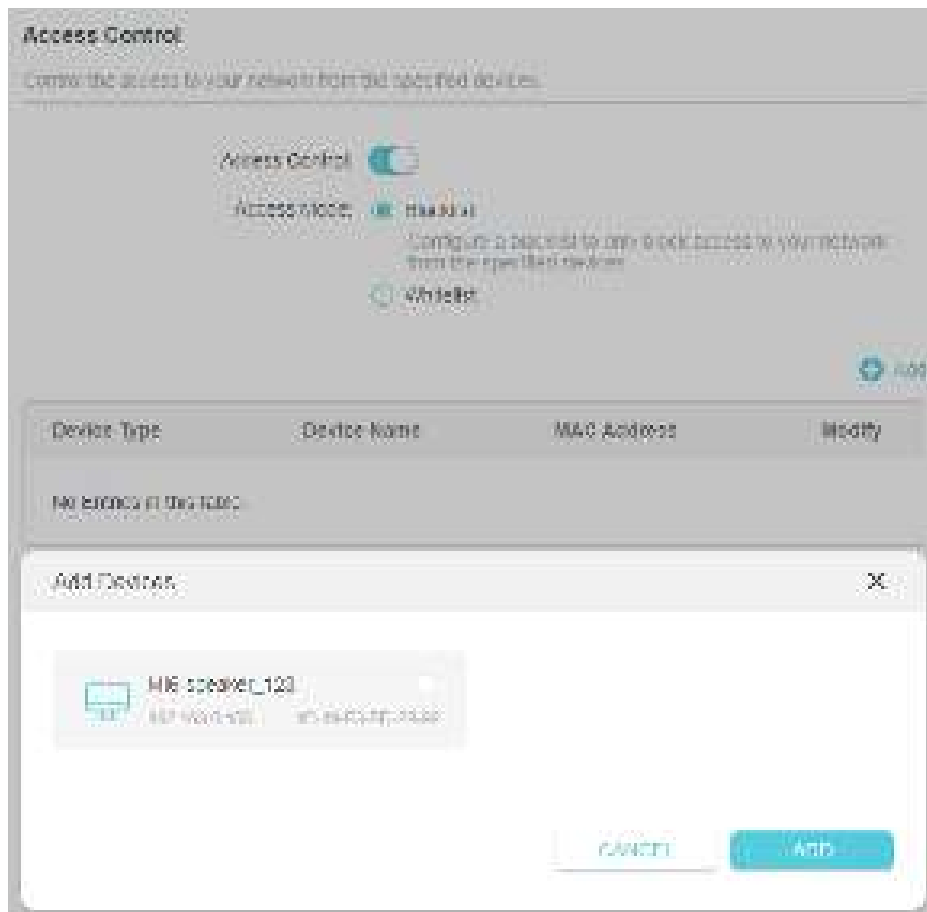
Access Control is not available when your range extender is in a OneMesh network, where it automatically synchronizes network settings from your main router.

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**.



- To block specific device(s):

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



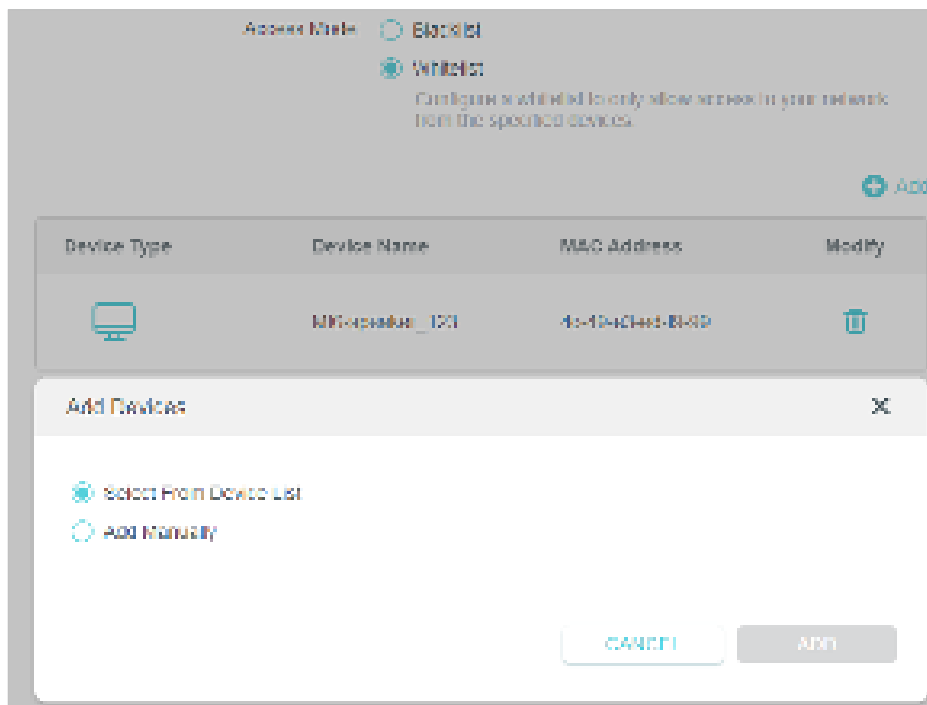
2. Select the device to be blocked in the [Add Devices](#) table.

3. Click [ADD](#) and the selected device(s) will be added to the [Devices in Blacklist](#) table.



- To permit specific device(s):

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



2. Select from the Device List or add devices manually in the **Add Devices** table. Enter the **Device Name** and **MAC Address** if you add devices manually.



3. Click **SAVE**.


5.7. 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.

4. Click **SAVE**.

Chapter 6

Manage Your Extender

This chapter presents how to manage and maintain your extender.

It includes the following sections:

- [Set System Time](#)
- [Control LEDs](#)
- [Set Power Schedule](#)
- [Upgrade the Firmware](#)
- [Backup and Restore Configuration Settings](#)
- [Reboot the Extender](#)
- [Change Login Password](#)
- [Check System Log](#)

6.1. Set System Time

The System Time of the extender will be used for time-based function such as the Power Schedule function. If you have enabled the Daylight Saving Time feature, the system time will be synchronized with the daylight saving time you configure.

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](#) > [System Tools](#) > [Time Settings](#).

- **To get system time:**

1. Select your local [Time Zone](#) from the drop-down list.

2. Click [SAVE](#).

- **To set up Daylight Saving Time:**

1. Enable [Daylight Saving Time](#).

2. Select the [Start](#) and [End](#) date and time of the daylight saving time at your local time zone.
3. Click [SAVE](#).

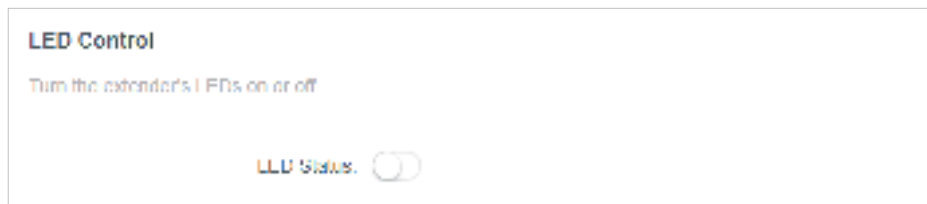
6.2. Control LEDs

The LEDs of the extender indicate its activities and status. You can turn off LEDs when you don't need them.

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](#) > [LED Control](#).

- **To turn off the LEDs:**

Disable [LED Status](#).



- **To specify a time period when LEDs are off:**

1. Select [Night Mode](#).
2. Specify the LED off time period.

- **Note:**

The effective LED off time is based on the time of the extender. You can go to [Settings](#) > [System Tools](#) > [Time Settings](#) to modify the time.

3. Click [SAVE](#).



6.3. Set Power Schedule

The Power Schedule feature allows you to specify a time period during which the extender is off.

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](#) > [Power Schedule](#).

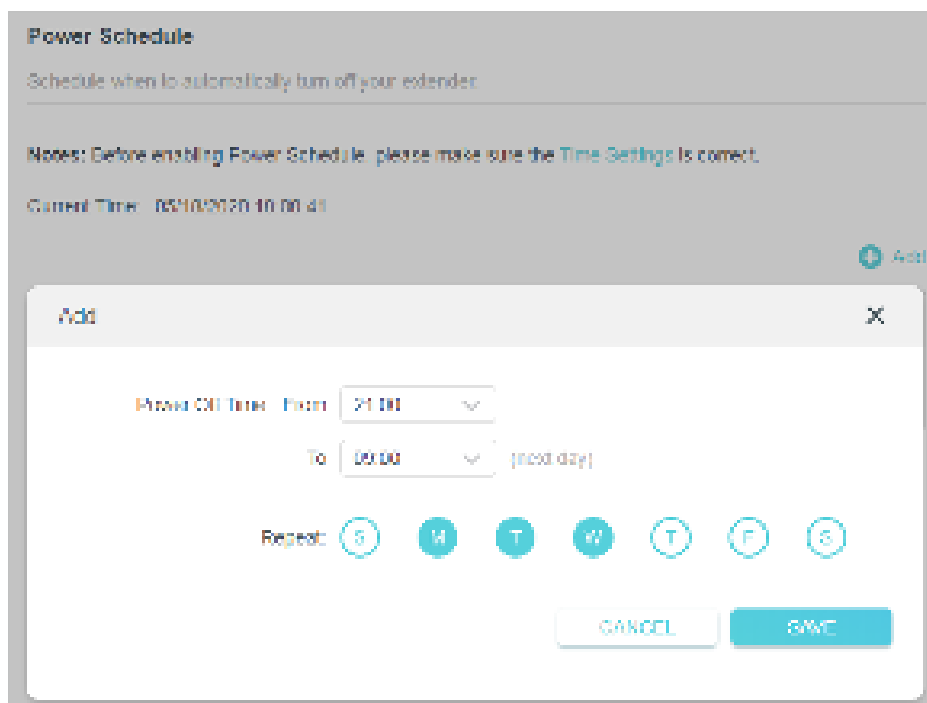
• To specify a time period when the extender is off:

1. Click [Add](#).

2. Specify the power off time period and repetitive days.

■ Note:

The effective power off time is based on the time of the extender. You can go to [Settings](#) > [System Tools](#) > [Time Settings](#) to modify the time.



3. Click [SAVE](#).

6.4. Upgrade the Firmware

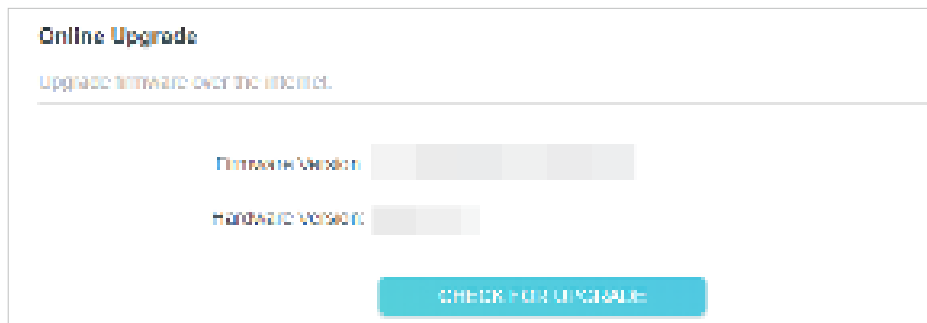
TP-Link is committed to improving product features, giving you a better network experience. You can download the latest firmware file from the [Support](#) page at our website www.tp-link.com and upgrade the extender to the latest firmware version.

■ Note:

- Make sure the latest firmware file is matched with the hardware version (as shown in the download section of the Support page).
- Make sure that you have a stable connection between the extender and your computer. It is NOT recommended to upgrade the firmware wirelessly.
- Backup your extender configuration.
- Do NOT power off the extender during the firmware upgrade.

6.4.1. Online Upgrade

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](#) > [System Tools](#) > [Firmware Upgrade](#).
3. Click [CHECK FOR UPGRADE](#) and follow the web instructions to upgrade online.



6.4.2. Local Upgrade

1. Download the latest firmware file for the extender from our website www.tp-link.com.
2. Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID or the password you set for the extender.
3. Go to [Settings](#) > [System Tools](#) > [Firmware Upgrade](#).
4. Click [BROWSE](#) to locate the downloaded new firmware file, and then click [UPGRADE](#).



5. Wait a few minutes for the firmware upgrade to complete and the extender to reboot.

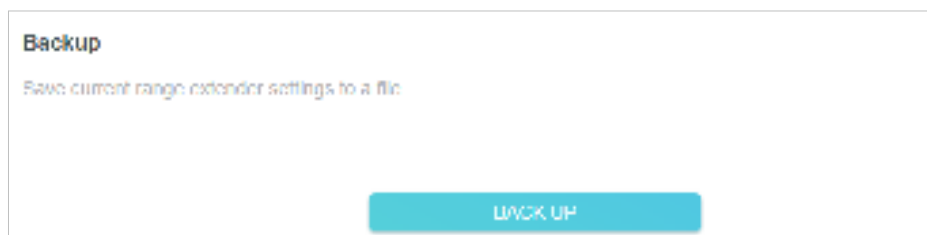
6.5. Backup and Restore Configuration Settings

The configuration settings are stored as a configuration file in the extender. You can backup the configuration file and restore the extender to the previous settings from the backup file when needed. Moreover, if necessary, you can erase the current settings and reset the extender to the default factory settings.

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](#) > [System Tools](#) > [Backup & Restore](#).

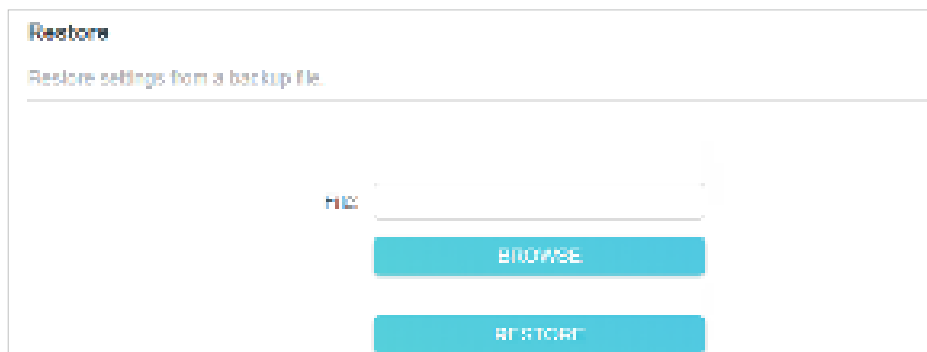
- **To backup configuration settings:**

Click **BACK UP** to save a copy of the current settings to your local computer. A '.bin' file of the current settings will be stored on your computer.



- **To restore previous settings from a saved file:**

1. Click **BROWSE** to locate the backup configuration file stored on your computer, and click **RESTORE**.



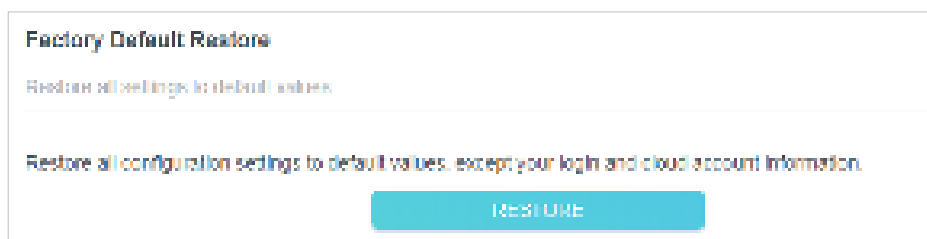
2. Wait a few minutes for the restore and reboot.

■ **Note:** During the restore process, do not power off or reset the extender.

- **To restore configuration settings**

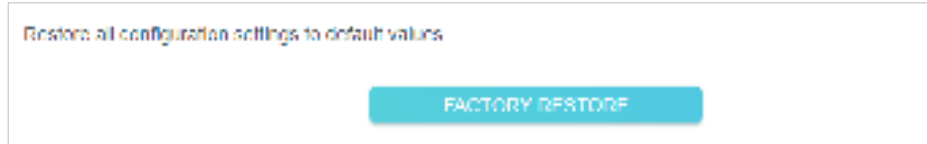
In **Factory Default Restore**, click **RESTORE** to restore all configuration settings to default values, except your login and cloud account information.

■ **Note:** During the restore process, do not power off or reset the extender.



- **To reset the extender to factory default settings:**

1. Click **FACTORY RESTORE** to reset the extender.



2. Wait a few minutes for the reset and reboot.

■ Note:

1. During the reset process, do not power off or reset the extender.
2. We strongly recommend you backup the current configuration settings before resetting the extender.

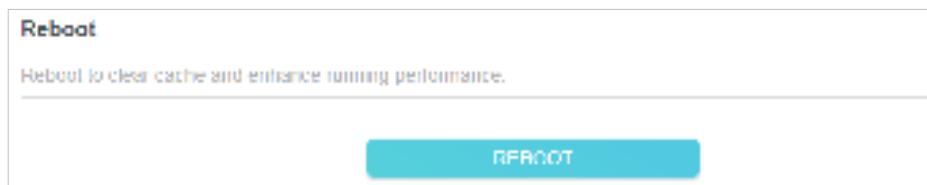
6.6. Reboot the Extender

You can reboot your extender to clear cache and enhance running performance if needed.

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 > System Tools > Reboot**.

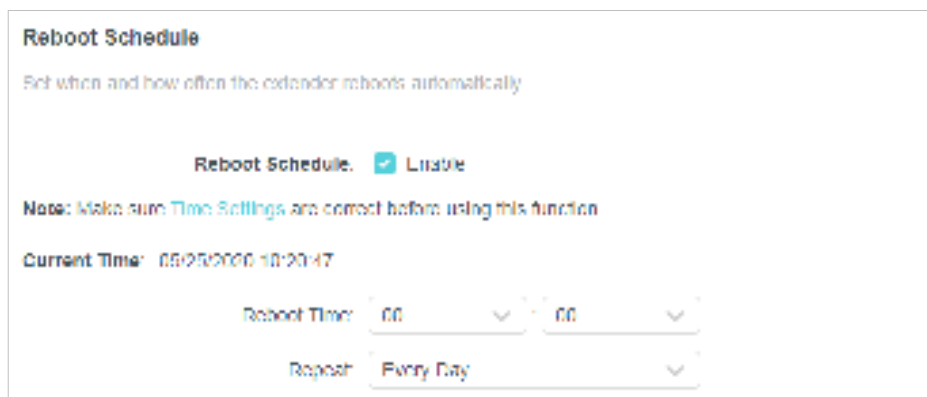
- **To reboot the extender**

Click **REBOOT** and wait a few minutes.



- **To set up reboot schedule**

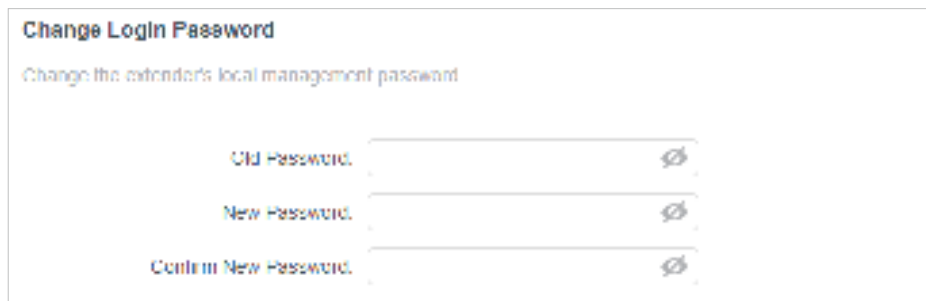
Enable **Reboot Schedule** and set the corresponding settings.



6.7. Change Login Password

The account management feature allows you to change your login username and password of the web management webpage.

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](#) > [System Tools](#) > [Change Login Password](#).
3. Enter the old password. Then enter the new password twice (case-sensitive) and click [SAVE](#).



The screenshot shows a web form titled "Change Login Password" with the subtitle "Change the extender's local management password". It contains three input fields, each with a "Show/Hide" icon (an eye with a slash) to its right:

- Old Password.
- New Password.
- Confirm New Password.

4. Use the new password for future logins.

6.8. Check System Log

If the extender is not working properly, you can save the system log and send it to our technical support team.

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](#) > [System Tools](#) > [System Log](#).
- **To save the system log locally:**
 1. Choose the type and level of the system log as needed.
 2. Click [SAVE LOG](#) to save the system logs to a local disk.

System Log

View a detailed record of system activities.

Current Time: 05:05:00AM 10/1/17

Log Type: All

Search:
 Refresh
 Clear All

- 1 EXCEPTION Exception [2000-01-01 0:00:10] (id_id = 80019000 id_name = WinInit id_sp = 00010010 id_gsAddr/Name = 00018000 id_blockName = 000 id_js = 00100400 id_js = 00100400) 1
- 2 EXCEPTION 00100400 ReAcquiredReadProcObj=001 ReGetMbrtyPlayMode (eeeeeeee, eeeeeeee, eeeeeeee, eeeeeeee) 00007900 maxDevStart 1GS : main_virtual_if_open (eeeeeeee, eeeeeeee, eeeeeeee, eeeeeeee) 00100400 main_virtual_if_open=0 RTMP_CONN_id=0 length
- 3 INFO 0000, 00:00:00, LANAttach mirror0 to stack.
- 4 INFO 0000, 00:00:00, LANGetInterface mirror0 (p=152-160 0 254 netmask 255-255-255 0
- 5 INFO 0000, 00:00:00, DHCPD: Dnps start
- 6 INFO 0000, 00:00:00, ITRD: Http server start
- 7 INFO 0000, 00:00:00, ACCESS CONTROL: Disable Wireless ACL
- 8 INFO 0000, 00:00:00, ACCESS CONTROL: Disable Lan ACL

Save Logs

FAQ

Q1. How to reset the extender to its factory default settings?

- With the extender powered on, use a pin to press the [Reset](#) button for 1 second. The extender will reboot.
- Log in to the extender's web management page. Go to [Settings > System Tools > Backup & Restore](#) and click [FACTORY RESTORE](#).

Q2. What should I do if I forget my login password?

- If you are using a TP-Link ID to log in, or you have enabled the Password Recovery feature of the extender, click [Forgot Password?](#) on the login page and then follow the instructions to reset it.
- Refer to [FAQ > Q1](#) to reset the extender, and then visit <http://tplinkrepeater.net> to create a new login password.

■ **Note:** The extender must be reconfigured after a reset to access the internet. Please note down your login password for future logins.

Q3. What should I do if I forget my wireless password?

The extender shares the same wireless passwords as those of your main networks.

Q4. What should I do if I can't access the web management page?

This can happen for a variety of reasons. Please try the methods below to log in again.

- Make sure your smartphone or computer is connected to the extender's SSID.
- If you use a computer, make sure it is configured as [Obtain an IP address automatically](#) and [Obtain DNS server address automatically](#).
- Verify that <http://tplinkrepeater.net> is correctly entered in the web browser and press [Enter](#).
- Use the IP address to access the extender. The default IP is [192.168.0.254](#). If the extender is connected to the router, you should go to your router's DHCP client list to obtain the extender's current IP address.
- Reset the extender and try again.

Q5. I have enabled wireless MAC filter, wireless access control, or access control list (ACL) on my router. What should I do before configuring the extender?

When a device connects through the extender to your router, the MAC address of the device shown on the router is translated to another MAC address. If your router's MAC filter, wireless access control, or ACL is enabled, the devices connected to the extender cannot get an IP address from the extender and cannot access the Internet.

To solve this problem, please follow the steps below:

1. Log in to your router and disable the MAC filter, wireless access control or ACL.

■ **Note:** For more information about how to disable your router's MAC filter, wireless access control or ACL, please refer to your router's user guide.

2. Power on your extender, and run the Quick Setup to configure your extender.

3. Connect all of your devices to the extended network, and make sure the router's Link LED remains lit.

4. On your router, add all the Online Devices' MAC addresses to your router's MAC filter table.

5. Enable the router's MAC filter, wireless access control, or ACL to complete the configuration.

FCC compliance information statement



Product Name: AC1200 Wi-Fi Range Extender

Model Number: RE300

Responsible Party:

TP-Link USA Corporation, d/b/a TP-Link North America, Inc.

Address: 10 Mauchly, Irvine, CA 92618

Website: <http://www.tp-link.com/us/>

Tel: +1 626 333 0234

Fax: +1 909 527 6804

E-mail: sales.usa@tp-link.com

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

We, TP-Link USA Corporation, has determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Issue Date: 2021-08-11

CE Mark Warning



This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

OPERATING FREQUENCY (the maximum transmitted power)

2400 MHz -2483.5 MHz (20dBm)

5150 MHz -5250 MHz (23dBm)

5250 MHz -5350 MHz (23dBm)

5470 MHz -5725 MHz (30dBm)

EU Declaration of Conformity

TP-Link hereby declares that the device 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/>

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The device complies with RF specifications when the device used at 20 cm from your body.

National Restrictions

Attention: This device may only be used indoors in all EU member states, EFTA countries and Northern Ireland.

	AT	BE	BG	CH	CY	CZ	DE	DK
	EE	EL	ES	FI	FR	HR	HU	IE
	IS	IT	LI	LT	LU	LV	MT	NL
	NO	PL	PT	RO	SE	SI	SK	UK(NI)

UKCA Mark



UK Declaration of Conformity

TP-Link hereby declares that the device 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>

National Restrictions

Attention: This device may only be used indoors in Great Britain.



Canadian Compliance Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution:

1. The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

DFS (Dynamic Frequency Selection) products that operate in the bands 5250- 5350 MHz, 5470-5600MHz, and 5650-5725MHz.

Avertissement:

1. Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

Les produits utilisant la technique d'atténuation DFS (sélection dynamique des fréquences) sur les bandes 5250- 5350 MHz, 5470-5600MHz et 5650-5725MHz.

Radiation Exposure Statement:

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

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Industry Canada Statement

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

Korea Warning Statements

당해 무선설비는 운용중 전파혼신 가능성이 있음.

NCC Notice & BSMI Notice

注意!

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前述合法通信，指依電信管理法規定作業之無線電通信。

低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

應避免影響附近雷達系統之操作。

安全諮詢及注意事項

- 請使用原裝電源供應器或只能按照本產品注明的電源類型使用本產品。
- 清潔本產品之前請先切斷電源。請勿使用液體、噴霧清潔劑或濕布進行清潔。
- 注意防潮，請勿將水或其他液體潑灑到本產品上。
- 插槽與開口供通風使用，以確保本產品的操作可靠並防止過熱，請勿堵塞或覆蓋開口。
- 請勿將本產品置放於靠近熱源的地方。除非有正常的通風，否則不可放在密閉位置中。
- 不要私自拆開機殼或自行維修，如產品有故障請與原廠或代理商聯繫。

限用物質含有情況標示聲明書

設備名稱： Equipment name: AC1200 Wi-Fi Range Extender		型號（型式）： Type designation (Type): RE300				
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁺⁶)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
PCB	○	○	○	○	○	○

外殼	○	○	○	○	○	○
電源供應板	—	○	○	○	○	○
其他及其配件	—	○	○	○	○	○

備考1. “超出0.1 wt %” 及 “超出0.01 wt %” 係指限用物質之百分比含量超出百分比含量基準值
Note 1: “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.
備考2. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。
Note 2: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.
備考3. “—” 係指該項限用物質為排除項目。
Note 3: The “—” indicates that the restricted substance corresponds to the exemption.





Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.





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.
- Make sure the power socket has a good contact with the ground.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.

CAUTION:
Double pole, neutral fusing.
Disconnect mains before servicing.









ATTENTION:
Double pôle/fusible sur le neutre.
Déconnecter du réseau électrique avant
toute intervention de maintenance.

- Operating Temperature: 0°C ~ 40°C (32°F ~ 104°F)

- Storage Temperature: -40°C ~ 60°C (-40°F ~ 140°F)

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

Explanations of the symbols on the product label

Symbol	Explanation
	Class II equipment
	Class II equipment with functional earthing
	AC voltage
	Indoor use only
	<p>RECYCLING</p> <p>This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.</p> <p>User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.</p>
	Protection earth
	Warning electric shock
	Fuse is used in neutral N