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User Guide

Tri-Band Wi-Fi 7 Range Extender

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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. Higher capacity is based on laboratory test data, which analyzed the connections of different devices on the 6 GHz, 5 GHz, and 2.4 GHz bands simultaneously. These devices simulated a typical home scenario by running simultaneous applications in the same room that included 4K video, 1080p video, 720p video, file downloading, web browsing, IP cameras, and other IoT devices. Actual wireless data throughput, wireless

coverage, and connected devices are not guaranteed and will vary as a result of internet service provider factors, network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location. The 160 MHz bandwidth might not be available on the 5 GHz band, and the 320 MHz bandwidth might not be available on the 6 GHz band in some regions/countries due to regulatory limits on the spectrum, hence the theoretical speeds may vary.

‡The product may not be compatible with routers or gateways with firmware that has been altered, is based on open source programs, or is non-standard or outdated.

§Uninterrupted Streaming is designed for devices that support the 802.11k/v standard.

△Use of Wi-Fi 7 (802.11be), Wi-Fi 6 (802.11ax), and features including Multi-Link Operation (MLO), 320 MHz Bandwidth, 4K-QAM, Multi-RU, OFDMA, and MU-MIMO requires clients to also support the corresponding features. The 320 MHz bandwidth is only available on the 6 GHz band. Simultaneously, the 320 MHz bandwidth on the 6 GHz band and 160 MHz bandwidth on the 5 GHz band may be unavailable in some regions/countries due to regulatory restrictions. Double channel width and speed refer to 320 MHz compared to 160 MHz for Wi-Fi 6 range extenders.

*TP-Link EasyMesh-compatible products can network with other devices that use EasyMesh. Failed connections may be due to firmware conflicts of different vendors. The EasyMesh-compatible feature is still being developed on some models and will be supported in subsequent software updates. This product is compatible with standardized EasyMesh technology but has not obtained the Wi-Fi EasyMesh™ certification.

**Unified management is available for TP-Link EasyMesh-compatible devices. This feature is not guaranteed for devices from other vendors.

***Wi-Fi generations represent the wireless standard IEEE 802.11 a/b/g/n/ac/ax/be. All devices need to support 802.11 Wi-Fi protocols.

◇Use of WPA3 requires clients to also support the corresponding feature.

☆4× Lower Latency refers to the latency improvement of Wi-Fi 7 range extenders compared to Wi-Fi 6/6E range extenders, based on laboratory test data. The test conditions had the same 5 GHz or 6 GHz single-frequency wireless interference and tested the maximum latencies of Wi-Fi 7 clients (with MLO turned on) connecting to the 5 GHz and 6 GHz bands of the range extender (with MLO turned on) simultaneously and to the 5 GHz or 6 GHz bands of a Wi-Fi 6/6E range extender (without the MLO function).

Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, the rate supported by the network cable, internet service provider factors, and other environmental conditions.

This range extender may not support all the mandatory features as ratified in the IEEE 802.11be specification.

Further software upgrades for feature availability may be required.

Pictures are for reference only. If there are any inconsistencies between the product image and the actual product, the actual product shall prevail.

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

Eliminate Wi-Fi Dead Zones with Unrivaled Wi-Fi 7

WiFi 7 offers accelerated throughput, lower latency, stronger anti-jamming, and higher efficiency.

- **Simultaneous Tri-Band:** Separate Wi-Fi bands enable more devices to connect to your network without a drop in performance
- **Reliable Connection:** External antennas for optimal Wi-Fi coverage and reliable wireless connections
- **Ultra-Low Latency:** Take advantage of ultra-low latency to enjoy smoother online experience

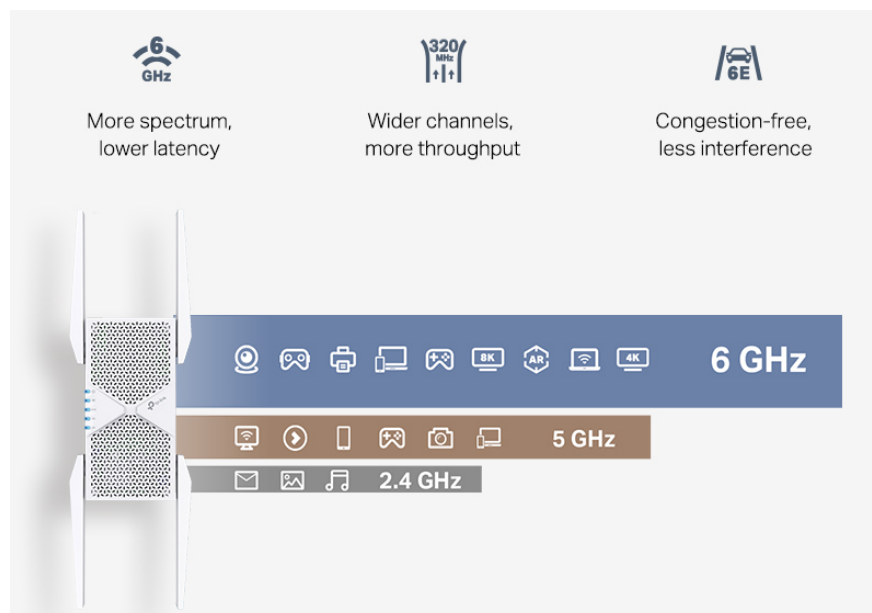
Easy Installation & Quick Position

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.

Control at Your Fingertips

Set up and manage your WiFi, including TP-Link routers and range extenders, from your Android or iOS phone with the TP-Link Tether app.



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 (For Range Extender Mode)
 (Power)	On/Off	The extender is on or off.
	Blinking	The system is starting up or firmware is being upgraded.

Name	Status	Indication (For Range Extender Mode)
 (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.
6G	On/Off	The extender is connected or not connected to the 6GHz 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.

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.

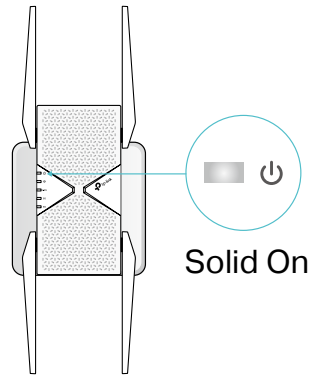
It contains the following sections:

- [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.

■ Note: 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

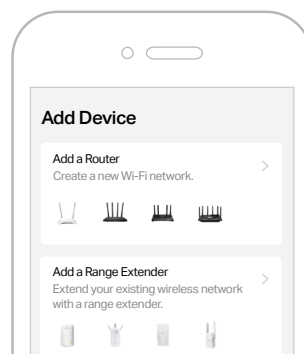
1. Launch the Apple App Store or Google Play Store and search [TP-Link Tether](#) or simply scan the QR code to download and install the app.



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 [Add a Range Extender](#).



4. Follow app instructions to set up your extender.

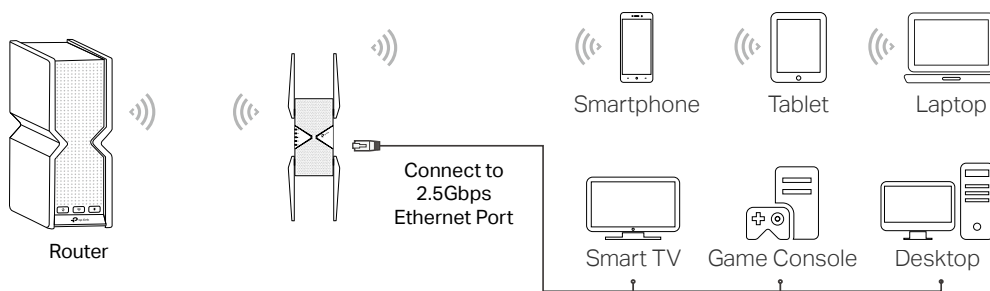
If the extender connects to a EasyMesh router, it will copy the router's wireless settings for seamless roaming. For more information about EasyMesh, refer to [EasyMesh with Seamless Roaming](#).

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.

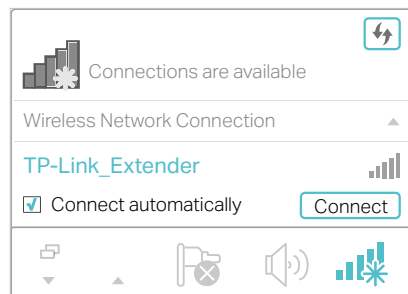
6. **Enjoy!** Connect your devices to the extender wirelessly or via an Ethernet cable, then enjoy the internet.



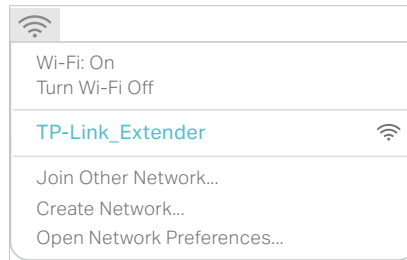
2.2.2. Method 2: Via a Web Browser

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](#).

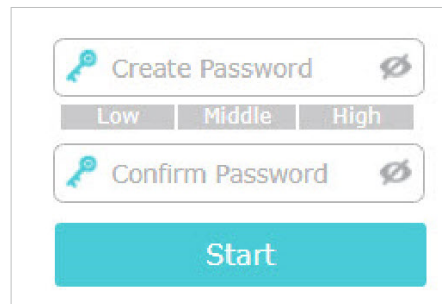


- For Mac OS X Users
 - 1) Unplug the Ethernet cable from your computer (if any).
 - 2) Click the Wi-Fi icon in the top right corner of the screen, and connect to the extender's network: [TP-Link_Extender](#).



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

- 1) Launch a web browser, enter <http://www.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](#).

- 2) 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	TP-Link_F099_5G_Gaming	EasyMesh	12:FF:00:41:FD:9D	🔒
2	TP-Link_F099_5G_150	EasyMesh	00:FF:00:3E:90:DB	🔒
3	TP-Link_2004	EasyMesh	48:22:54:77:29:62	🔒
4	AX90-Zone	OneMesh	40:90:1C:FB:B0:DD	🔒
5	TP-Link_8309_5G		12:FF:00:41:B3:0B	🔒
6	TP-Link_XXXX		12:FF:00:41:B3:0D	🔒

Host 5GHz Password:

[Next](#)

7	TP-Link_00C		5C:E9:31:1D:89:AF	🔒
8	TP-Link_00C		48:81:D4:DD:C6:85	🔒

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

Note:

If your host router does not support 5GHz wireless network, please click Skip to continue.

- 3) Select your host router's 6GHz SSID (network name), enter its password (NOT the password you just created for management), and click [Next](#).

Select a 6GHz host network to extend. [Can't find your Wi-Fi?](#)

ID	SSID	Signal	MAC Address	Security
1	TP-Link_8309_6G		16:FF:00:41:B3:04	🔒
2	TP-Link_XXXX_6G		16:FF:00:41:B3:0E	🔒

Host 6GHz Password:

[Next](#)

3	TP-Link_8309_6G		DA:62:79:D0:31:C0	🔒
4	TP-Link_8309_6G		DA:62:79:D0:31:CF	🔒
5	TP-Link_8309_6G		DA:62:79:D0:31:CE	🔒
6	TP-Link_8309_6G		9E:53:22:00:75:01	🔒
7	TP-Link_8309_6G		9E:53:22:00:75:00	🔒
8	TP-Link_8309_6G		3A:68:93:A2:94:D3	🔒

[Back](#) [Other](#) [Rescan](#) [Skip](#)

- 4) 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	TP-Link_2864	EasyMesh	48:22:54:77:29:63	
2	Wwwwwillam_BE550	EasyMesh	00:FF:00:3E:90:DA	
3	Wwwwwillam_BE550	EasyMesh	DC:62:79:31:8E:20	
4	AX90-Zone	OneMesh	40:90:1C:FB:B0:DF	
5	TP-Link_8309_PLO		0E:FF:00:41:B3:0A	
6	TP-Link_XXXX		0E:FF:00:41:B3:0C	
Host 2.4GHz Password: Next				
7	TP-Link_3FBG		6A:E9:31:1D:89:AE	
8	TP-Link_0BC		5C:E9:31:1D:89:AE	

<

1

2

3

4

5

6

7

>

Back

Other

Rescan

Skip

5) Confirm your host network password.

Please confirm your host network password.

2.4GHz Host Network

SSID: TP-Link_XXXX

Password: 12345670

5GHz Host Network

SSID: TP-Link_XXXX

Password: 12345670

6GHz Host Network

SSID: TP-Link_XXXX_6G

Password: 12345670

Back

Confirm

6) 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 EasyMesh router, the extender will automatically join the router's EasyMesh network and copy the router's wireless settings. For more information, refer to [EasyMesh with Seamless Roaming](#).

Set the extended network names (SSIDs).

Extended 2.4GHz SSID:

Extended 2.4GHz Password: 12345670
(Same as your host network password)

Extended 5GHz SSID:

Extended 5GHz Password: 12345670
(Same as your host network password)

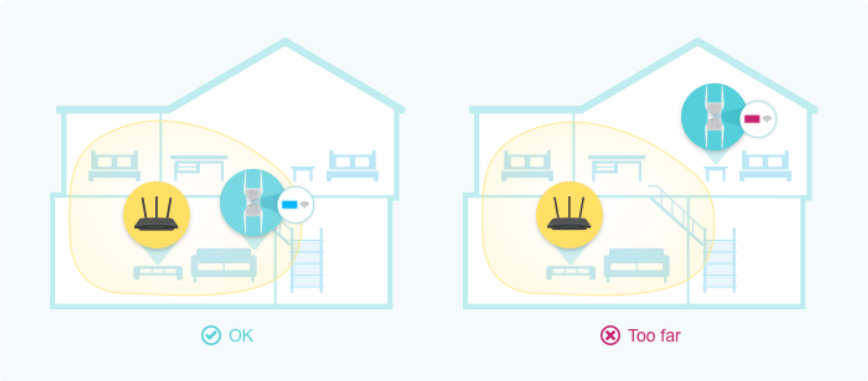
Extended 6GHz SSID:

Extended 6GHz Password: 12345670
(Same as your host network password)

- 7) 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.



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

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

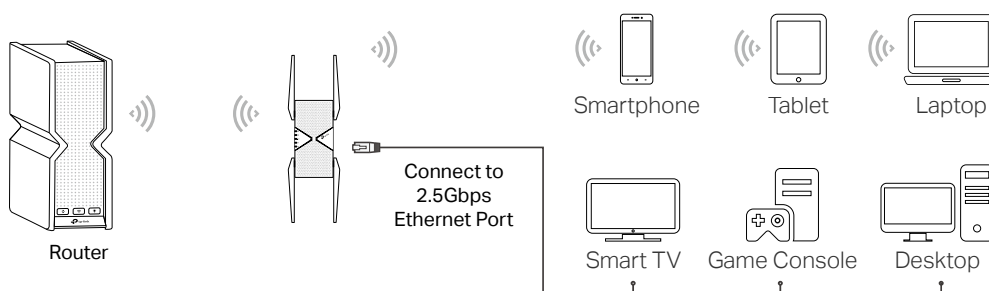
2.4GHz Extended Network		5GHz Extended Network	
SSID:	TP-Link_XXXX_EXT	SSID:	TP-Link_XXXX_EXT
Password:	12345670	Password:	12345670

6GHz Extended Network	
SSID:	TP-Link_XXXX_6G_EXT
Password:	12345670

☒ I have connected to the extended network.

Finish

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

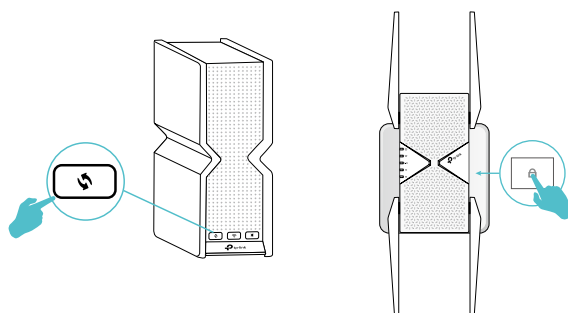


2.2.3. Method 3: Via the WPS Button

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



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



Note:

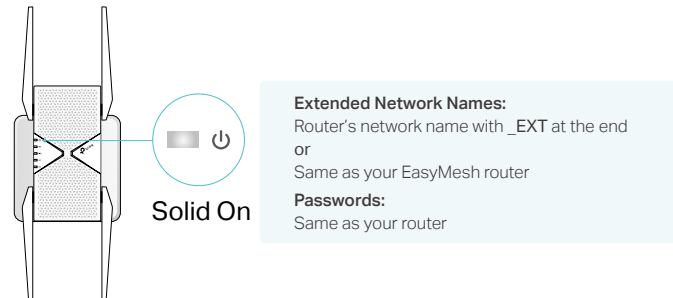
If you don't know how to do it, refer to your router's user manual, or you can use other methods to set it up.

2. Within 2 minutes, press the WPS button on the extender for 1 second, and the  LED starts blinking. Wait for the  LED, 2.4GHz, 5GHz LEDs to turn solid blue, indicating a successful connection.

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.

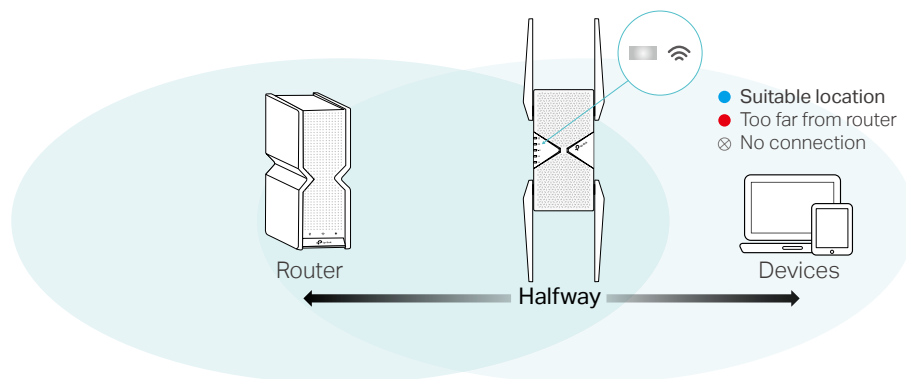


Note:

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 EasyMesh router and automatically copied its wireless settings. For more information, refer to [EasyMesh with Seamless Roaming](#).

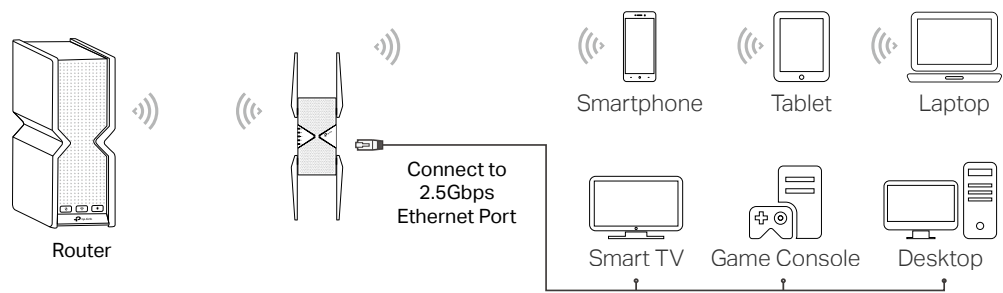
4. Relocate your extender for optimal Wi-Fi coverage and performance.
 - 1) Plug in the extender about halfway between your router and the Wi-Fi dead zone. The location you choose must be within the range of your router.
 - 2) Wait for about 2 minutes until the Signal LED  turns solid blue. If it doesn't, 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

EasyMesh with Seamless Roaming

This chapter introduces the TP-Link EasyMesh feature.

It contains the following sections:

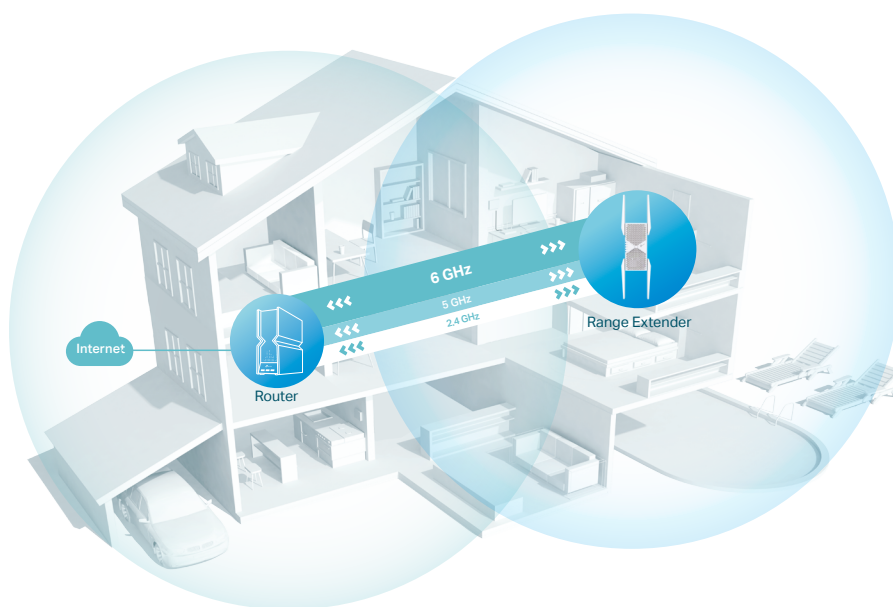
- [What's an EasyMesh Network](#)
- [How to Set Up an EasyMesh Network](#)
- [How to Manage an EasyMesh Network](#)

3.1. What's an EasyMesh Network

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

■ Note:

- Routers and range extenders must be compatible with EasyMesh or OneMesh™. Firmware upgrades may be required.
- TP-Link EasyMesh-compatible products can network with other devices that use EasyMesh. Failed connections may be due to firmware conflicts of different vendors.
- The EasyMesh-Compatible function is still being developed on some models and will be supported in subsequent software updates.



Flexible Scalability

Flexibly scale your home networking with different vendors,* different topologies, different Protocols and different product categories.



Seamless Roaming

Connects mobile devices to your routers or extenders that provide the best coverage. Devices compatible with EasyMesh also share a single Wi-Fi name so you stay connected in every room.



One-Click Settings

Press the WPS button on the main router and the satellite device within 2 minutes of each other, then the EasyMesh network will set up.

For more information, visit <https://www.tp-link.com/easymesh/>.

3.2. How to Set Up an EasyMesh Network

1. Make sure your router supports EasyMesh or OneMesh™.

■ Note: To check full list of EasyMesh devices, visit <https://www.tp-link.com/EasyMesh/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 mesh network.

■ Note: Alternatively, you can add your range extender to an EasyMesh network via a wired connection. First, restore your range extender to its default settings. Then, use an Ethernet cable to connect it to your router's LAN port. Wait for your range extender's Signal LED to turn solid blue, which indicates a successful connection.

3.How to Manage an EasyMesh Network

- **To leave or join a EasyMesh network:**

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

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

- **To change wireless settings:**

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

- **To manage devices in the EasyMesh 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 EasyMesh 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.

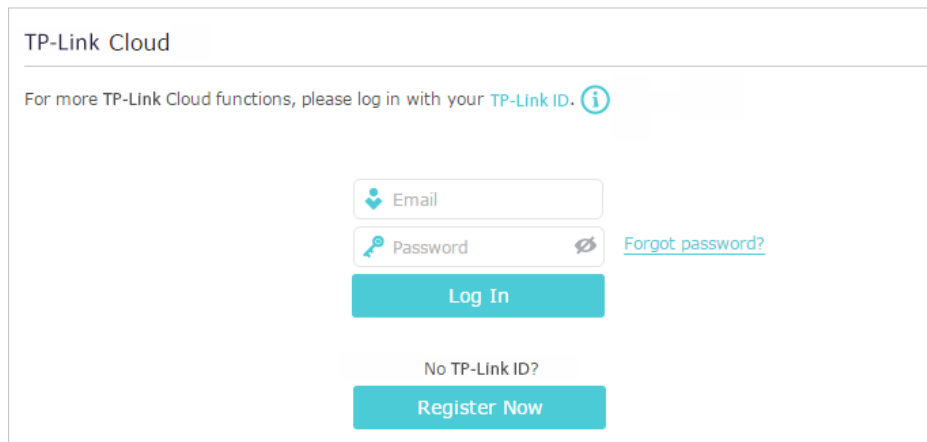
It contains the following sections:

- [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://www.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 and registration 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 an envelope icon and 'Password' with a key icon. To the right of the password field is a 'Forgot password?' link. Below the input fields is a teal 'Log In' button. Underneath the 'Log In' button is the text 'No TP-Link ID?' followed by a teal '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.

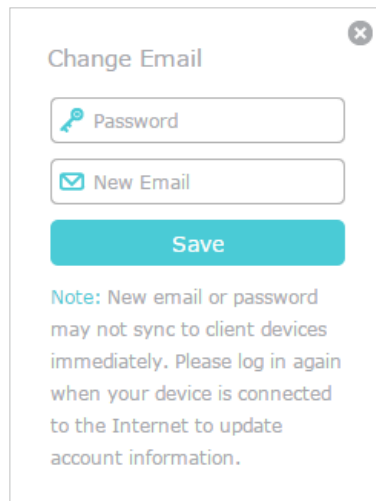
4.2. Change Your TP-Link ID Information

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

1. Visit <http://www.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:**

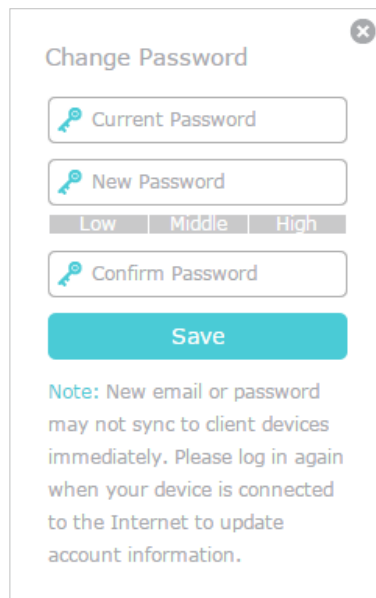
1. Click  behind the Email.
2. Enter the password of your TP-Link ID, then a new email address. And click [Save](#).



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", "New Password", and "Confirm Password", each 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://www.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.



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	zhengyun_xue@me.com	06/11/2018	Admin
☐	2	zhengyunfengting@163.com	06/11/2018	User

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

1. Visit <http://www.tp-linkrepeater.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	zhangsun_wei@ms.com	06/11/2018	Admin
☒	2	zhangsunfengting@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.

■ Notes: If you need to remotely access your extender from your smart devices, you need to:

- Log in with your TP-Link ID. If you don't have one, refer to [Register a TP-Link ID](#).
- Make sure your smartphone or tablet can access the internet with cellular data or a Wi-Fi network.

Chapter 5

Customize Your Network

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

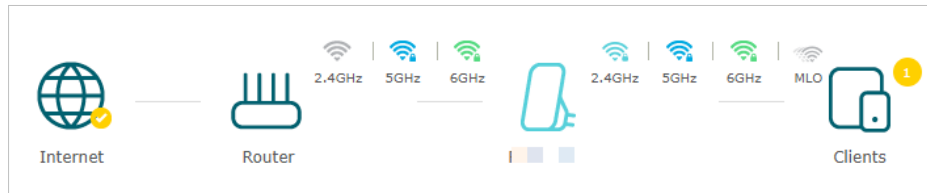
It contains the following sections:

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

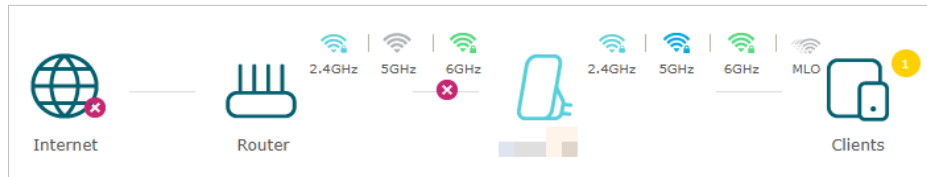
5.1. Check Internet Status

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

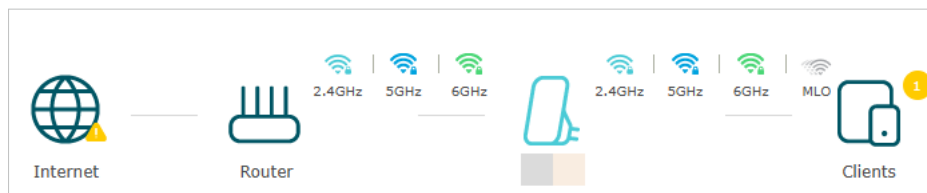
1. Visit <http://www.tplinkrepeater.net>, and log in with your TP-Link ID or the password you set for the extender.
2. Go to [Settings](#) > [Status](#) to view the internet status of your extender.
 - The extender runs normally.



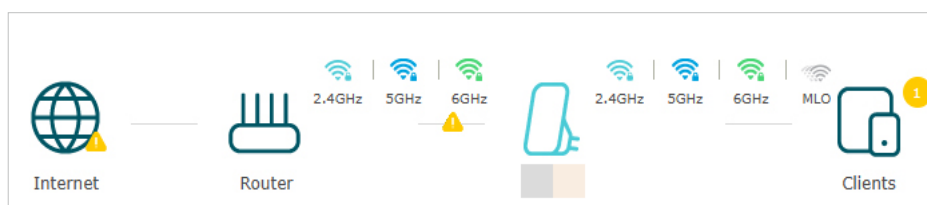
- The extender fails to connect to the host networks. Please go to [Settings](#) > [Wireless](#) > [Connect to Network](#) to check whether the host network passwords are correct. If the problem still exists, relocate the extender closer to the router to achieve better signal quality.



- 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 EasyMesh network, it will automatically copy wireless settings from your router. No wireless settings is needed for the extender.

Visit <http://www.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 6GHz and 5GHz network is available on your extender, please refer to the instructions to set them up.

- **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.

2.4GHz Network:	☒ Connect to 2.4GHz Network
	Wireless Scanner
Host 2.4GHz SSID:	TP-Link_XXXX
Host 2.4GHz Security:	WPA2-PSK/WPA3-PSK ▼
Host 2.4GHz Password:	12345670
5GHz Network:	☒ Connect to 5GHz Network
	Wireless Scanner
Host 5GHz SSID:	TP-Link_XXXX
Host 5GHz Security:	WPA2-PSK/WPA3-PSK ▼
Host 5GHz Password:	12345670
6GHz Network:	☒ Connect to 6GHz Network
	Wireless Scanner
Host 6GHz SSID:	TP-Link_XXXX_6G
Host 6GHz Security:	WPA3-PSK ▼
Host 6GHz Password:	12345670

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

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](#).

Extended 2.4GHz:	☒ Enable
Extended 2.4GHz SSID:	TP-Link_XXXX Copy Host SSID
	☐ Hide SSID broadcast
Extended 2.4GHz Security:	☒ Same as your host network password ☐ Custom
	WPA2-PSK/WPA3-PSK
Extended 2.4GHz password:	12345670
Extended 5GHz:	☒ Enable
Extended 5GHz SSID:	TP-Link_XXXX Copy Host SSID
	☐ Hide SSID broadcast
Extended 5GHz Security:	☒ Same as your host network password ☐ Custom
	WPA2-PSK/WPA3-PSK
Extended 5GHz password:	12345670
Extended 6GHz:	☒ Enable
	Only Wi-Fi 6E-compatible devices can search for and join this network.
Extended 6GHz SSID:	TP-Link_XXXX_6G Copy Host SSID
	☐ Hide SSID broadcast
	☒ Same as your host network password ☐ Custom
	WPA3-PSK
Extended 6GHz password:	12345670

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](#) and click [Copy Host SSID](#). The value is case-sensitive.

The screenshot displays the 'Extended Network' configuration page in a web interface. It is organized into three sections for different frequency bands: 2.4GHz, 5GHz, and 6GHz. Each section contains a 'Status' toggle (checked for 'Enable'), an 'SSID' input field with a 'Copy Host SSID' button, a 'Security' mode selection (radio buttons for 'Same as your host network password' and 'Custom'), a 'Security Mode' dropdown menu, and a 'Password' input field. The 2.4GHz and 5GHz sections have a 'Hide SSID broadcast' checkbox, which is checked for 2.4GHz and unchecked for 5GHz. The 6GHz section includes a note about Wi-Fi 6E compatibility and has a 'Hide SSID broadcast' checkbox that is unchecked. The 'Copy Host SSID' button for 6GHz is disabled (greyed out).

Band	Status	SSID	Copy Host SSID	Hide SSID broadcast	Security Mode	Security Mode	Password
Extended 2.4GHz:	☒ Enable	TP-Link_XXXX_2.4GHZ	Copy Host SSID	☒	☒ Same as your host network password	WPA2-PSK/WPA3-PSK	12345670
Extended 5GHz:	☒ Enable	TP-Link_XXXX_5GHz	Copy Host SSID	☐	☒ Same as your host network password	WPA2-PSK/WPA3-PSK	12345670
Extended 6GHz:	☒ Enable	TP-Link_XXXX_6G	Copy Host SSID	☐	☒ Same as your host network password	WPA3-PSK	12345670

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 change the security of the extended network:**

1. Go to [Settings](#) > [Wireless](#) > [Extended Network](#).
2. Set the Security mode of your extended network. Here uses 2.4 GHz as an example:

- You can simply select [Same as your host network password](#).

Extended 2.4GHz: ☒ [Enable](#)

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

☐ Hide SSID broadcast

Extended 2.4GHz Security: ☒ [Same as your host network password](#) ☐ Custom

▼

Extended 2.4GHz password:

- Or click [Custom](#), specify the extended network's security mode and password (case-sensitive). If you select [No Security](#), no password is required.

Extended 2.4GHz: ☒ [Enable](#)

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

☐ Hide SSID broadcast

Extended 2.4GHz Security: ☐ Same as your host network password ☒ [Custom](#)

▼

Extended 2.4GHz password:

3. Click [Save](#).

- **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](#).

- **To configure wireless settings:**

1. Go to [Settings](#) > [Wireless](#) > [Wireless Settings](#).
2. Configure the functions according to your needs, and click [Save](#).

The screenshot shows the 'Wireless Settings' interface. Under 'TWT:', there is a checkbox labeled 'Enable' which is checked. Below it, under 'OFDMA/MU-MIMO:', there is a dropdown menu currently set to 'Disable'. The dropdown menu is open, showing three options: 'OFDMA+MU-MIMO', 'OFDMA only', and 'Disable'. A 'Save' button is located to the right of the dropdown menu.

- **TWT (Target Wake Time):** allows 802.11ax devices and clients to negotiate their periods to transmit and receive data packets. Clients only wake up at TWT sessions and remain in sleep mode for the rest of the time, which significantly extend their battery life. It is disabled by default.
- **OFDMA/MU-MIMO:** **OFDMA** enables multiple users to transmit data simultaneously, and thus greatly improves speed and efficiency. Noted that only when your clients also support OFDMA, can you fully enjoy the benefits. **MU-MIMO** (Multi-User Multiple-Input Multiple-Output) enables the device to simultaneously send data to multiple clients, significantly enhancing network efficiency.
- **To create an MLO network**
 1. Go to [Settings > Wireless > Connect to Network](#).
 2. Enable [MLO Network](#) and select at least 2 enabled bands to create an MLO network.

The screenshot shows the 'MLO Network' configuration interface. Under 'MLO Network:', there is a checkbox labeled 'Enable' which is checked. Below it, under 'Bands:', there are three checkboxes labeled '2.4GHz', '5GHz', and '6GHz', all of which are checked. Further down, there are three input fields: 'Network Name (SSID):' with the value 'TP-Link_XXXX_MLO', 'Security:' with a dropdown menu set to 'WPA3-Personal (Recommended)', and 'Password:' with the value '12346570'.

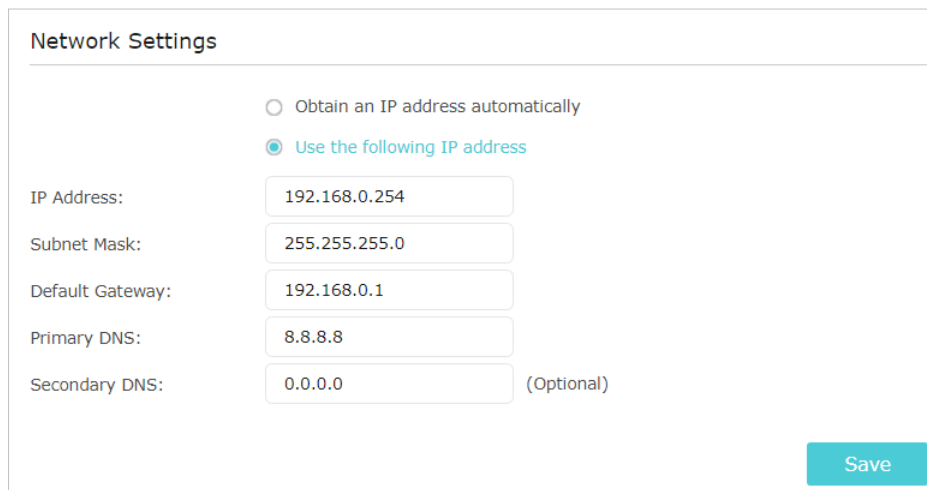
Note:

Only devices that support Wi-Fi 7 can connect to the MLO network. Some devices may not fully implement the MLO feature. If you are experiencing connection issues, it is recommended to disable MLO Network.

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. After connected to the front-end router, the range extender will automatically obtain an IP address from the router. If the IP address conflicts with another device on your local network or your network requires a specific IP subnet, you can change it by following the steps below:

1. Visit <http://www.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 with the following values: 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 (Optional). A 'Save' button is located at the bottom right of the form.

Network Settings	
☐ Obtain an IP address automatically	
☒ Use the following IP address	
IP Address:	192.168.0.254
Subnet Mask:	255.255.255.0
Default Gateway:	192.168.0.1
Primary DNS:	8.8.8.8
Secondary DNS:	0.0.0.0 (Optional)
<button>Save</button>	

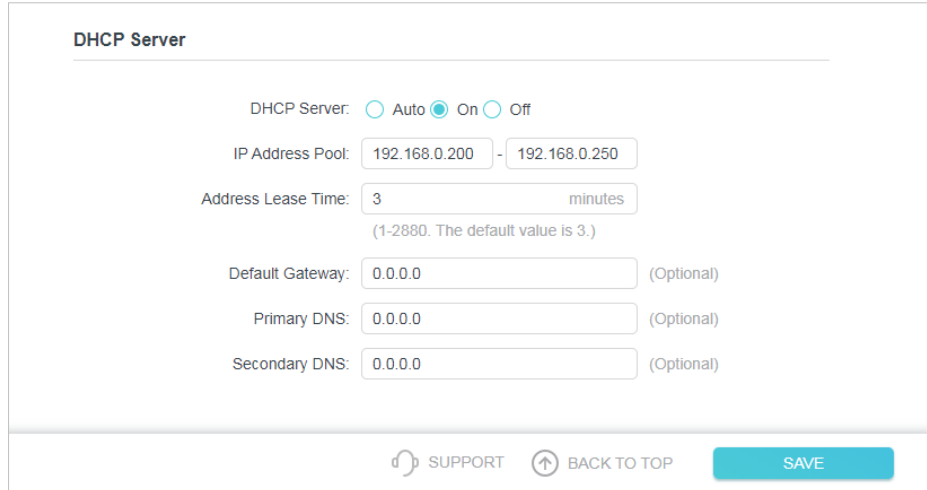
7. Click **Save**.

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](#).

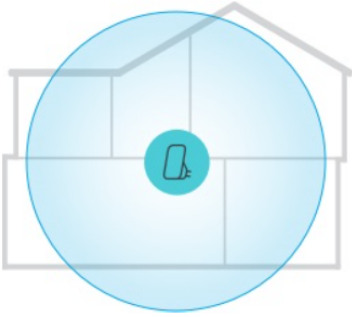
5. 5. Adjust Wi-Fi Coverage

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

1. Visit <http://www.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. 6. 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 EasyMesh network, it will automatically copy access control settings from your router. No access control settings is needed for the extender.

1. Visit <http://www.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 [Block](#) 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](#).

Chapter 6

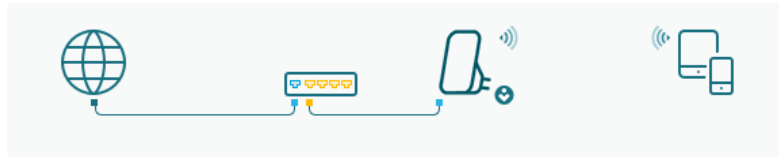
Use Your Extender as an Access Point

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.



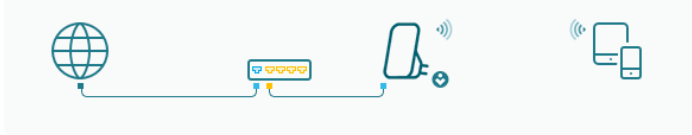
6.1. Set Up the Extender as an Access Point

1. Visit <http://www.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**, select and clone your settings in the Repeater mode to the new mode. Click **Save** and the extender will reboot and switch to Access Point mode.

Mode Selection

☒ **Access Point**

Transforms your existing wired network to a wireless network.



☐ Repeater

Clone Settings

When switching to new mode, selected options will be inherited and used.

☒ SSID & Password	☒ Wi-Fi Coverage
☒ LED Control	☒ Power Schedule
☒ Access Control	☒ MLO

CancelSave

3. Visit <http://www.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**.

Summary

Wireless Settings

Wireless 2.4GHz:

☒ Extend network on 2.4GHz

Extended 2.4GHz SSID:

TP-Link_XXXX_EXT

☐ Hide SSID broadcast

Extended 2.4GHz Password:

12345670

Wireless 5GHz:

☒ Extend network on 5GHz

Extended 5GHz SSID:

TP-Link_XXXX_EXT

☐ Hide SSID broadcast

Extended 5GHz Password:

12345670

Wireless 6GHz:

☒ Extend network on 6GHz

Extended 6GHz SSID:

TP-Link_XXXX_6G_EXT

☐ Hide SSID broadcast

Extended 6GHz Password:

12345670

Exit

Next

2) Confirm the information and click [Finish](#).

Summary

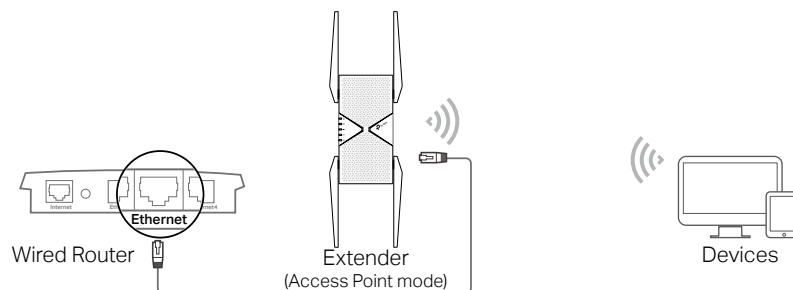
Wireless Settings

2.4GHz Extended Network		5GHz Extended Network	
Extend network on 2.4GHz:	On	Extend network on 5GHz:	On
Extended 2.4GHz SSID:	TP-Link_XXXX_EXT	Extended 5GHz SSID:	TP-Link_XXXX_EXT
Hide SSID:	Off	Hide SSID:	Off
Extended 2.4GHz Password:	12345670	Extended 5GHz Password:	12345670

6GHz Extended Network	
Extend network on 6GHz:	On
Extended 6GHz SSID:	TP-Link_XXXX_6G_EXT
Hide SSID:	Off
Extended 6GHz Password:	12345670

Back
Finish

5. Connect the extender to your modem or wired router via an Ethernet cable. Now you can enjoy the Wi-Fi.



6.2. Connect Wireless Devices to the Extender

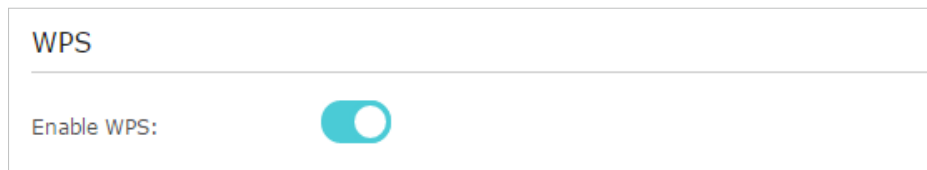
Method 1: Connect to the extender manually

You can connect your wireless devices to the extender by using the extender's wireless network names and passwords.

Method 2: Connect to the extender via WPS

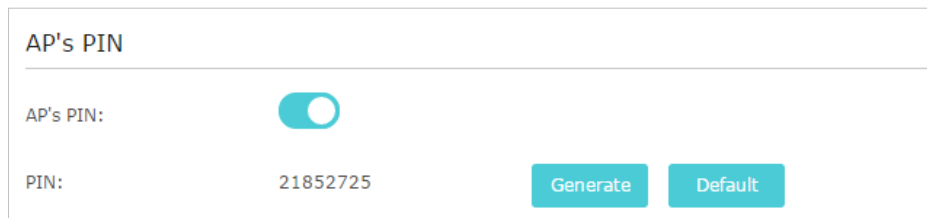
Wi-Fi Protected Setup (WPS) provides an easier way to set up a secure Wi-Fi connection. Wireless devices that support WPS, including Android phones, tablets and most USB network cards, can be connected to your extender through this method (not supported by iOS devices).

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

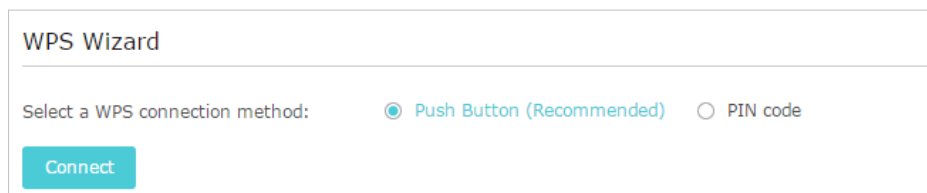


4. Connect via WPS:

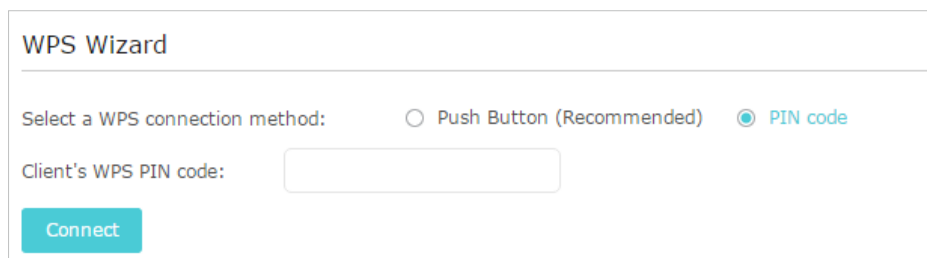
- AP's PIN: Enable [AP's PIN](#) and enter the PIN on your device. You can click [Generate](#) to get a new PIN or click [Default](#) to restore the PIN to its factory one.



- Push Button (Recommended): Click [Connect](#) and push the WPS button on the client device.



- PIN code: Enter the client's PIN, and click [Connect](#).



6.3. LED Explanation for the Access Point Mode

When the extender works in the Access Point mode, you can check its working status by following the LED Explanation table below.

Name	Status	Indication (For Access Point Mode)
 (Power)	On/Off	The extender is on or off.
	Blinking	The system is starting up or firmware is being upgraded.
 (Signal)	On	A WPS connection is established.
	Blinking	WPS connection is in progress. This may take up to 2 minutes.
	Off	A WPS connection has been established for more than 5 minutes or WPS connection failed.
2.4G	On/Off	The 2.4 GHz wireless band is enabled or disabled.
5G	On/Off	The 5 GHz wireless band is enabled or disabled.
6G	On/Off	The 6 GHz wireless band is enabled or disabled.

Chapter 7

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](#)
- [Change Login Password](#)
- [Check System Log](#)

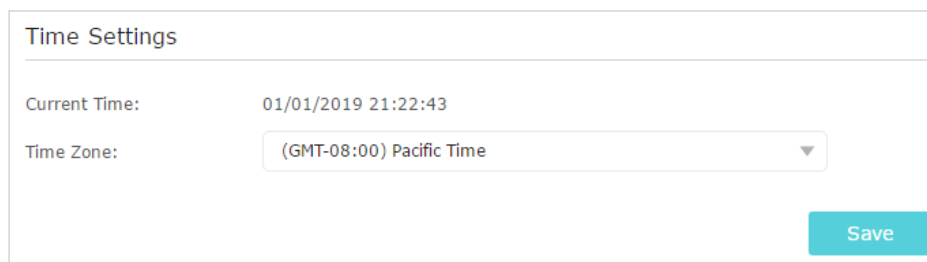
7.1. Set System Time

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://www.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.



Time Settings

Current Time: 01/01/2019 21:22:43

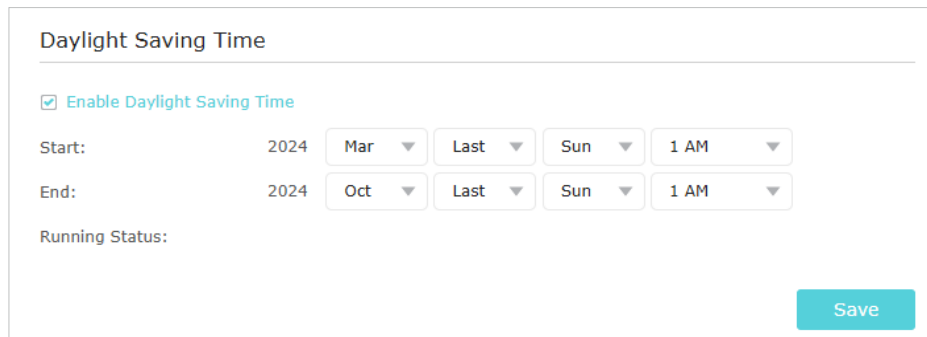
Time Zone: (GMT-08:00) Pacific Time

Save

2. Click [Save](#).

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

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



Daylight Saving Time

☒ [Enable Daylight Saving Time](#)

Start: 2024 Mar Last Sun 1 AM

End: 2024 Oct Last Sun 1 AM

Running Status:

Save

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

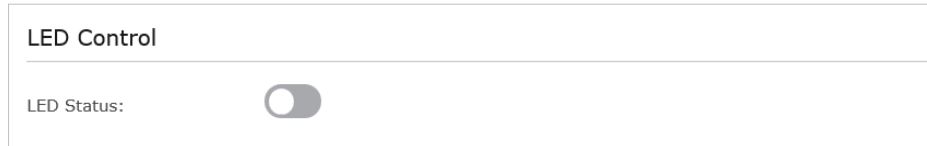
7.2. Control LEDs

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

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

- **To turn off the LEDs:**

Disable [LED Status](#).



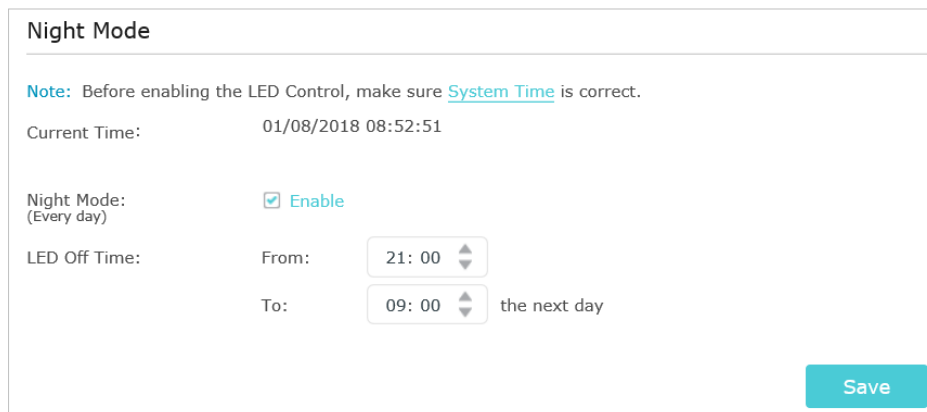
■ Note: The LED Status will turn back on after restarting the extender. If you want to keep the LED off after restarting, it is recommended to set [Night Mode](#).

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

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

■ Note: The effective time schedule for [Night Mode](#) is based on the system time of the extender. Refer to [Set System Time](#) to get the correct system time.

3. Click [Save](#).



7.3. Set Power Schedule

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

1. Visit <http://www.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 time schedule for **Power Schedule** is based on the system time of the extender. Refer to [Set System Time](#) to get the correct system time.

Power Schedule

Note: Before enabling Power Schedule, please make sure the [System Time](#) is correct.

Current Time: 01/08/2018 07:59:11

+ Add
- Delete

☐	ID	Power Off Time	Repeat	Status	Modify
☐	--	--	--	--	--

Power Off Time

From: 21 : 00

To: 09 : 00 (the next day)

Repeat: Mon Tue Wed Thu Fri Sat Sun

Cancel

Save

3. Click [Save](#).

7. 4. Upgrade the Firmware

TP-Link is committed to improving product features, giving you a better network experience. We will inform you through the web management page if there's any update firmware available for your extender. Also, the latest firmware will be released at the TP-Link official website www.tp-link.com, and you can download it from the [Support](#) page for free.

■ **Notes:**

- 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.
- Backup your extender configuration.
- Do NOT power off the extender during the firmware upgrade.

• **To auto-upgrade the firmware:**

1. Visit <http://www.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. Locate the Auto Upgrade section and turn on [Auto Upgrade](#).

Auto Upgrade: ☐

4. Specify the **Update Time** and save the settings.

Auto Upgrade:

☒

Note:

Before enabling the auto Upgrade, make sure [System Time](#) is correct.

Current Time:

12:40:17 AM, 01/01/2024

Upgrade Time:

03:00AM - 05:00AM

▼

Note:

Recommended to upgrade automatically at night when the wireless network is not in use, the wireless network will be disconnected during the automatic upgrade.

Save

The range extender will update firmware automatically at the specified time when new version is available.

- **To upgrade the firmware online:**

1. Visit <http://www.tplinkrepeater.net>, and log in with your TP-Link ID or the password you set for the extender.
2. When the latest firmware is available for your extender, the update icon  will display in the top-right corner of the page. Click the icon to go to the [Firmware Upgrade](#) page. Alternatively, you can go to [Settings](#) > [System Tools](#) > [Firmware Upgrade](#), and click [Check for upgrade](#) to see whether a new firmware is released.

Online Upgrade

Latest Version: 1.0.0 (2023-01-01) (2023-01-01)

Check for upgrade

3. Focus on the **Online Upgrade** section, and click **Upgrade**.

Online Upgrade

Latest Version:

3.3.0 (Build 100100) (Full Download)

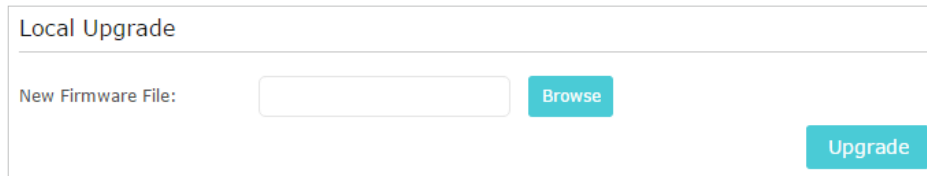
Go back for details (0)

Upgrade

4. Wait a few minutes for the upgrade and reboot to complete.

- **To upgrade the firmware locally:**

1. Download the latest firmware file for the extender from our website www.tp-link.com.
2. Visit <http://www.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**.



Local Upgrade

New Firmware File: **Browse**

Upgrade

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

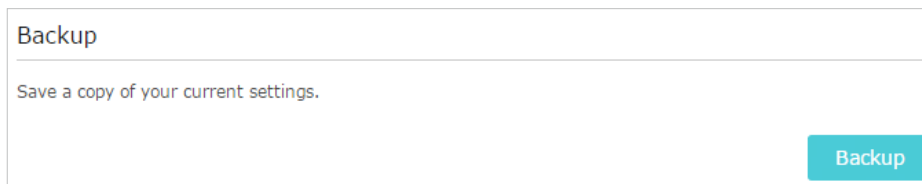
7.5. Backup and Restore Configuration Settings

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://www.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 **Backup** 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.



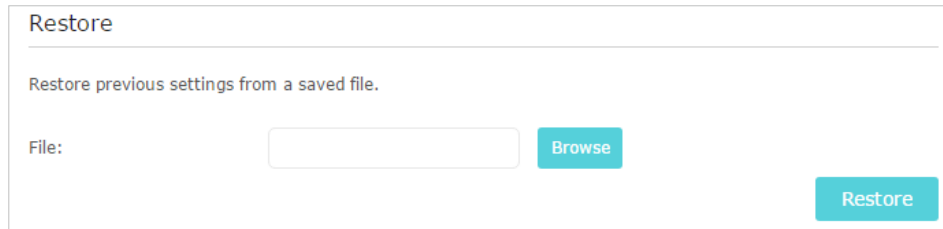
Backup

Save a copy of your current settings.

Backup

- **To restore configuration settings:**

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



Restore

Restore previous settings from a saved file.

File: [Browse](#)

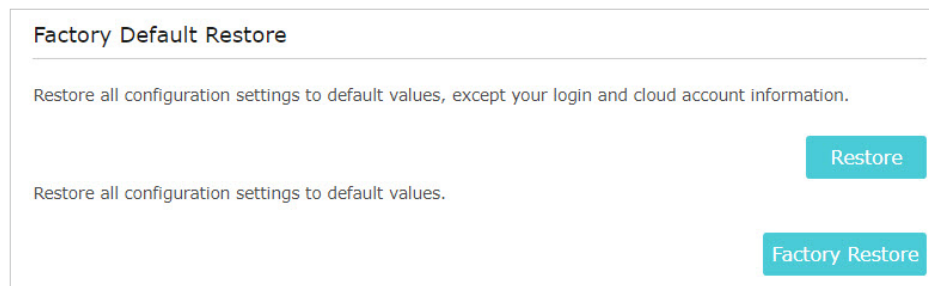
[Restore](#)

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

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

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

1. Click [Factory Restore](#) to restore all configuration settings to default values, or click [Restore](#) if you want to keep you login and cloud account information.



Factory Default Restore

Restore all configuration settings to default values, except your login and cloud account information.

[Restore](#)

Restore all configuration settings to default values.

[Factory Restore](#)

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

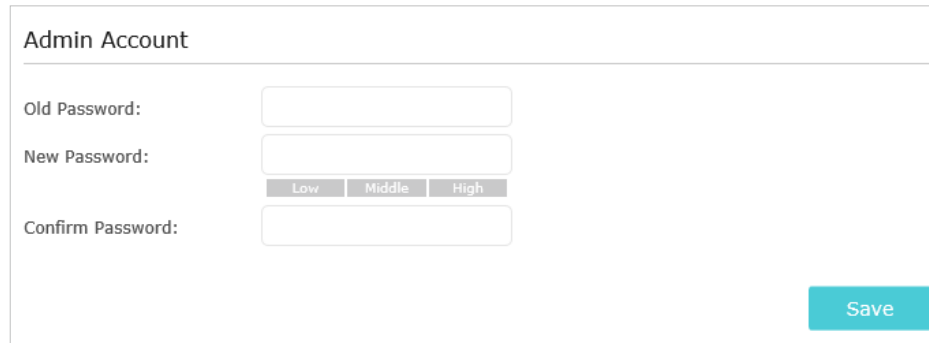
■ **Notes:**

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

7.6. Change Login Password

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

1. Visit <http://www.tplinkrepeater.net>, and log in with your TP-Link ID or the password you set for the extender.
2. Go to [Settings](#) > [System Tools](#) > [Admin Account](#).
3. Enter the old password. Then enter the new password twice (case-sensitive) and click [Save](#).



The image shows a web form titled "Admin Account". It contains three password input fields: "Old Password:", "New Password:", and "Confirm Password:". The "New Password:" field has a strength indicator below it with three segments labeled "Low", "Middle", and "High". A teal "Save" button is located in the bottom right corner of the form.

4. Use the new password for future logins.

7.7. 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://www.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

Log Filter:

Type= ALL

and Level= ALL

Refresh

Delete All

ID	Time	Type	Level	Log Content
1	2024-01-01 00:01:23	DHCP Server	INFO	DHCP server stopped
2	2024-01-01 00:01:22	DHCPC	INFO	DHCP obtained an IP address 192.168.1.119
3	2024-01-01 00:01:16	DHCPC	INFO	DHCP obtained an IP address 192.168.1.119
4	2024-01-01 00:01:11	DHCPC	INFO	Sent a request for DHCP.
5	2024-01-01 00:01:11	DHCPC	INFO	Received a DHCP offer:Server ID is 54.Assigned IP address is 192.168.1.119
6	2024-01-01 00:01:11	DHCPC	INFO	Sent a detection for DHCP.
7	2024-01-01 00:01:10	DHCPC	INFO	Sent a detection for DHCP.
8	2024-01-01 00:00:01	DHCP Server	INFO	DHCP server started
9	2024-01-01 00:00:00	Remote Management	INFO	Service stop

Save Log

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?

Refer to FAQ > Q1 to reset the extender, and then visit <http://www.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 host 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.

- If your computer is wirelessly connected, make sure that you have connected to the extender's SSID.
- Make sure your computer is configured as [Obtain an IP address automatically](#) and [Obtain DNS server address automatically](#).
- Verify that <http://www.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.

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.

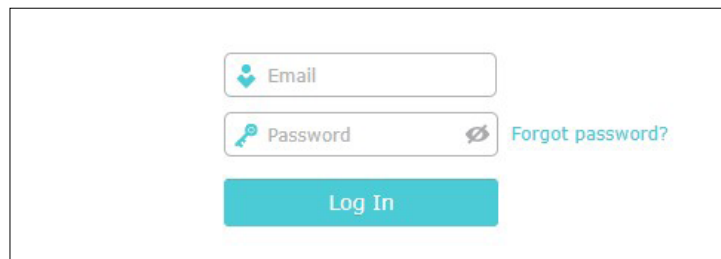
Q6. What can I do if I forget the password of my cloud account bound to the range extender?

A TP-Link account is bound to the TP-Link devices so that the customer can manage their devices remotely. If you forget the password of your TP-Link Cloud account, please follow the steps below to reset your password.

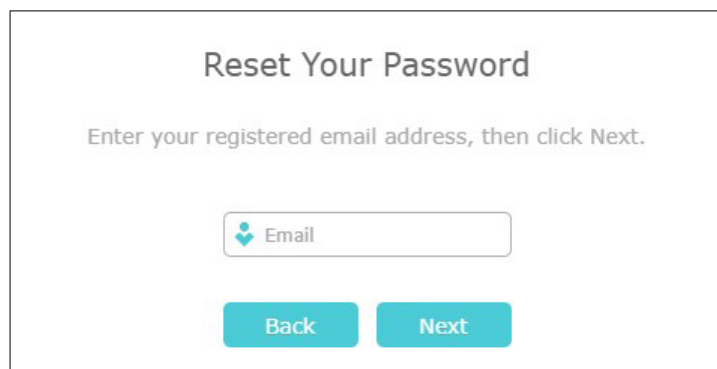
Method 1. Via the web management page

1. Connect your computer to the range extender either via Ethernet or wirelessly. Launch a web browser, enter <http://www.tplinkrepeater.net> in the address bar.

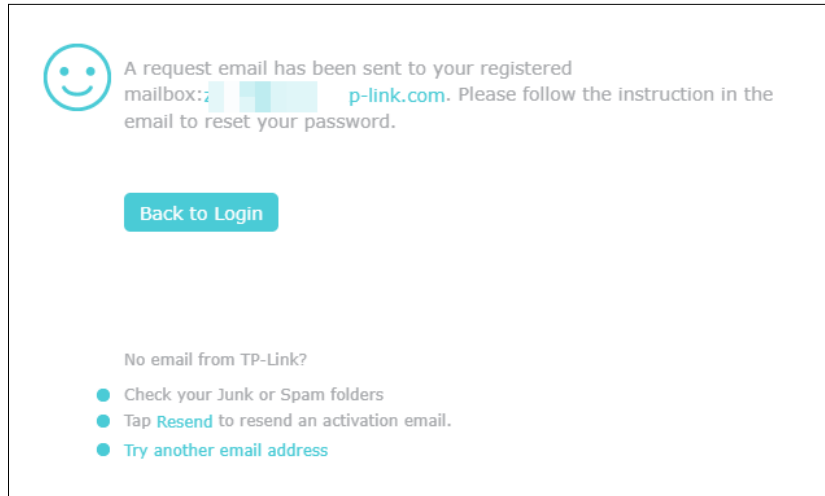
2. On the web management page of the range extender, click [Forgot password?](#).

A screenshot of a web management page for a TP-Link range extender. It features a login form with two input fields: 'Email' with a person icon and 'Password' with a key icon. To the right of the password field is a link that says 'Forgot password?'. Below the input fields is a teal 'Log In' button.

3. Enter the email address you bound to your TP-Link cloud account, then click [Next](#).

A screenshot of a 'Reset Your Password' page. At the top, it says 'Reset Your Password' in bold. Below that, it says 'Enter your registered email address, then click Next.' in a smaller font. There is an 'Email' input field with a person icon. At the bottom, there are two teal buttons: 'Back' and 'Next'.

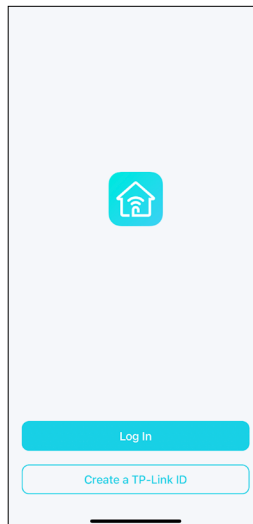
4. A request email will be sent to your mailbox. Follow the instructions to reset your password.



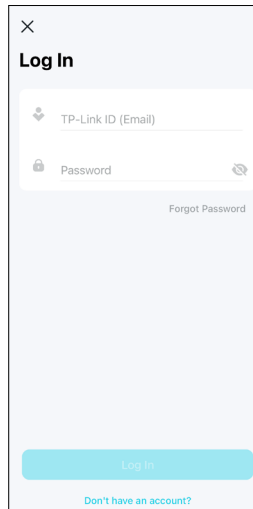
5. Click [Back to Login](#) and log in with your newly set password.

Method 2. Via the Tether App

1. Launch the Tether app. Go to the Login page.

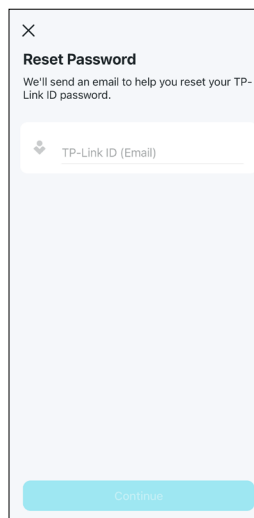


2. Tap [Forgot Password](#).



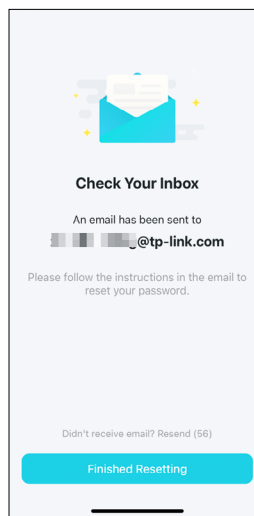
The screenshot shows the 'Log In' screen of the TP-Link mobile app. At the top left is a close button (X). Below the title 'Log In' are two input fields: 'TP-Link ID (Email)' and 'Password'. The password field has an eye icon to toggle visibility. A 'Forgot Password' link is located below the password field. At the bottom, there is a large blue 'Log In' button and a smaller blue link that says 'Don't have an account?'.

3. Enter the email used for your TP-Link cloud account in the Email box, and tap [Submit](#).



The screenshot shows the 'Reset Password' screen. At the top left is a close button (X). Below the title 'Reset Password' is a sub-header 'Reset Password' and a message: 'We'll send an email to help you reset your TP-Link ID password.' There is one input field labeled 'TP-Link ID (Email)'. At the bottom is a large blue 'Continue' button.

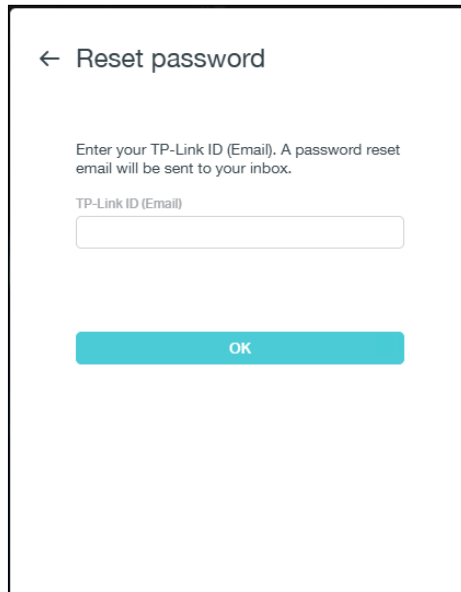
4. A reset request email will be sent to your mailbox. Follow the instructions to reset your password.



The screenshot shows the 'Check Your Inbox' screen. At the top is an illustration of an open envelope with a document inside. Below the illustration is the title 'Check Your Inbox' and a message: 'An email has been sent to [redacted]@tp-link.com'. Below this is another message: 'Please follow the instructions in the email to reset your password.' At the bottom, there is a link that says 'Didn't receive email? Resend (56)' and a large blue 'Finished Resetting' button.

Method 3. Via the TP-Link cloud website.

1. Open a browser, type <https://community.tp-link.com/en/forgetpw> in the address bar, and press Enter.
2. On the pop-up webpage, enter your registered email address, and click **OK**. A request email will be sent to your mailbox. Follow the instructions to reset your password.



The screenshot shows a web form titled "Reset password" with a back arrow icon. Below the title, there is a text instruction: "Enter your TP-Link ID (Email). A password reset email will be sent to your inbox." This is followed by a label "TP-Link ID (Email)" and a text input field. At the bottom of the form is a large teal button labeled "OK".

FCC compliance information statement



Product Name: BE9300/BE10000/BE11000 Tri-Band Wi-Fi 7 Range Extender

Model Number: RE655BE/RE653BE

Responsible Party:

TP-Link Systems 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."

- FCC regulations restrict the operation of this device to indoor use only.
- The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet in the 5.925-6.425 GHz band.
- Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

We, TP-Link Systems Inc., 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: 2025-03-25

**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)

5945MHz -6425 MHz (23dBm)

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

Frequency band: 5150 - 5250 MHz:

Indoor use: Inside buildings only. Installations and use inside road vehicles and train carriages are not permitted. Limited outdoor use: If used outdoors, equipment shall not be attached to a fixed installation or to the external body of road vehicles, a fixed infrastructure or a fixed outdoor antenna. Use by unmanned aircraft systems (UAS) is limited to within the 5170 - 5250 MHz band.

Frequency band: 5250 - 5350 MHz:

Indoor use: Inside buildings only. Installations and use in road vehicles, trains and aircraft are not permitted. Outdoor use is not permitted.

Frequency band: 5470 - 5725 MHz:

Installations and use in road vehicles, trains and aircraft and use for unmanned aircraft systems (UAS) are not permitted.

Frequency band 5945 -6425MHz:

Restricted to indoor use, including in trains with metal-coated windows and aircraft.
Outdoor use, including in road vehicles, is not permitted

	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.

Devices shall not be used for control of or communications with unmanned aircraft systems.

Les appareils ne doivent pas être utilisés pour le contrôle ou la communication avec des systèmes d'aéronefs sans pilote.

Devices shall not be used for control of or communications with unmanned aircraft systems.

Operation shall be limited to indoor use only.

Operation on oil platforms, automobiles, trains, maritime vessels and aircraft shall be prohibited except for on large aircraft flying above 3,048 m (10,000 ft).

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.

Les appareils ne doivent pas être utilisés pour le contrôle ou la communication avec des systèmes d'aéronefs sans pilote.

Le fonctionnement doit être limité à une utilisation en intérieur uniquement.

L'opération sur les plates-formes pétrolières, les automobiles, les trains, les navires maritimes et les avions est interdite, sauf sur les gros avions volant au-dessus de 3 048 m (10 000 ft).

Industry Canada Statement

CAN ICES (B) / NMB (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。

高增益指向性天線只得應用於固定式點對點系統。

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：	型號（型式）：
Equipment name:	Type designation (Type):
BE9300/BE10000/BE11000 Tri-Band Wi-Fi 7 Range Extender	RE655BE/RE653BE

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.

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)
- This product uses radios and other components that emit electromagnetic fields. Electromagnetic fields and magnets may interfere with pacemakers and other implanted medical devices. Always keep the product and its power adapter more than 15 cm (6 inches) away from any pacemakers or other implanted medical devices. If you suspect your product is interfering with your pacemaker or any other implanted medical device, turn off your product and consult your physician for information specific to your medical device.

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

Note: The product label can be found at the back of the product. Symbols may vary from products.

Symbol	Explanation
	Class II equipment
	Class II equipment with functional earthing
	Alternating current
	Direct current
	Polarity of d.c. power connector
	For indoor use only
	Dangerous voltage
	Caution, risk of electric shock
	Energy efficiency Marking
	Protective earth
	Earth
	Frame or chassis
	Functional earthing

Symbol	Explanation
	Caution, hot surface
	Caution
	Operator's manual
	Stand-by
	"ON"/"OFF" (push-push)
	Fuse
	Fuse is used in neutral N
	RECYCLING 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. 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.
	Caution, avoid listening at high volume levels for long periods
	Disconnection, all power plugs
m	Switch of mini-gap construction
μ	Switch of micro-gap construction (for US version) Switch of micro-gap / micro-disconnection construction (for other versions except US)
ε	Switch without contact gap (Semiconductor switching device)