



User Guide

Wi-Fi 6 Range Extender
RE505X/RE603X/RE605X/RE705X

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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, Advanced > Wireless > MAC Filtering means the MAC Filtering function page is under the Wireless menu that is located in the Advanced 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>.

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



■ Note:

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

1.2.1. LED Explanation

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

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

1.2.2. Button Description

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

■ Note:

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

Chapter 2

Set Up Internet Connection

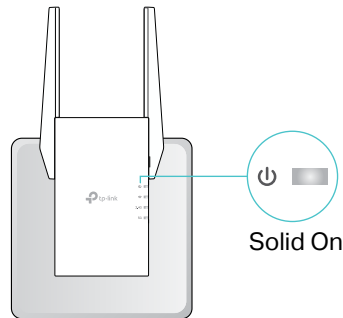
This chapter introduces how to boost your host wireless coverage. Please follow the step-by-step instructions to set up the internet connection.

It contains the following sections:

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

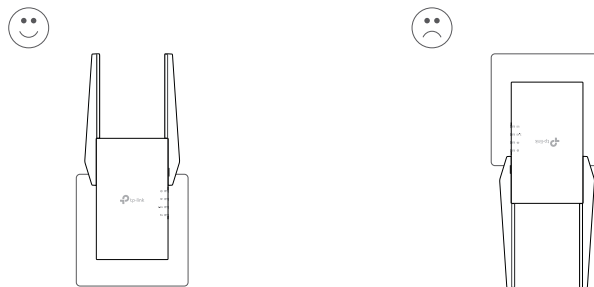
2.1. Power On the Extender

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



Attention:

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



2.2. Set Up the Extender

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

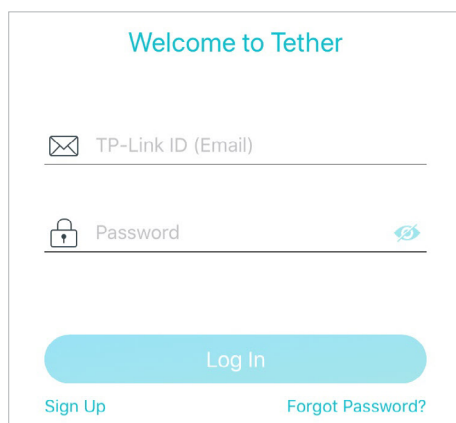
2.2.1. Method 1: Via the TP-Link Tether App

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

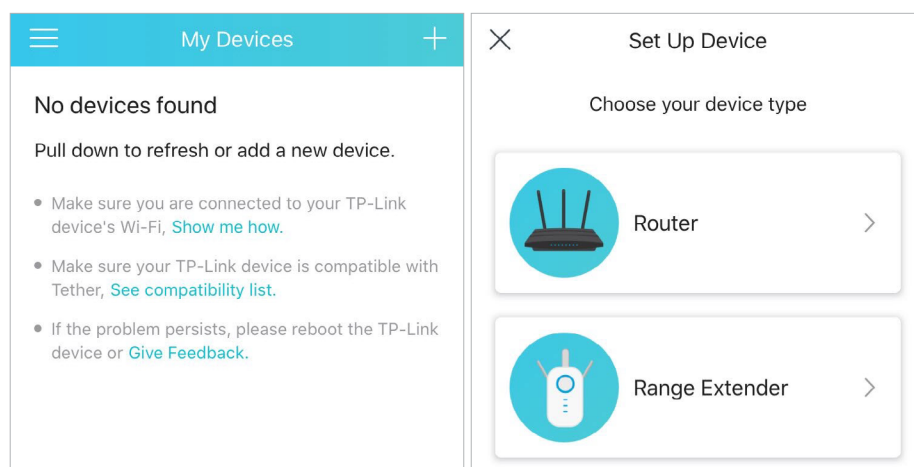


2. Launch the Tether app and log in with your TP-Link ID.

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

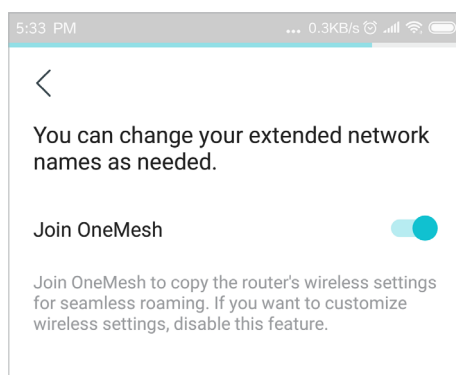


3. Tap the + icon on the upper-right corner and select [Range Extender](#).



4. Follow app instructions to set up your extender.

5. (Optional) If your host router supports OneMesh, you can enable [Join Onemesh](#) to copy the router's wireless settings for seamless roaming. For more information about Onemesh, refer to [OneMesh™ with Seamless Roaming](#).



6. Relocate your extender to optimize Wi-Fi coverage and performance, and enjoy the extended network.

Tip:

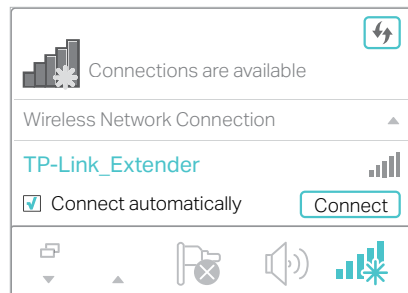
For more intuitive location assistance, access extender settings via Tether and go to [Tools > Location Assistant](#). You can also manage your extender via Tether, such as controlling LEDs, sharing passwords of your networks and blocking devices.

2.2.2. Method 2: Via a Web Browser

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

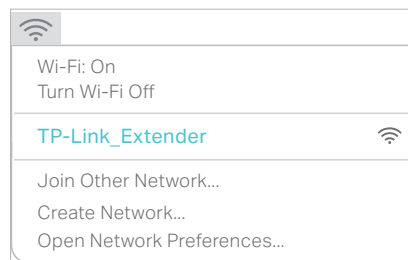
- For Windows Users

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



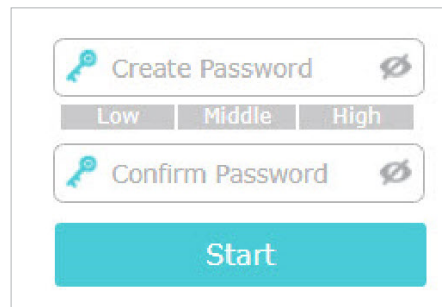
- For Mac OS X Users

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



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

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

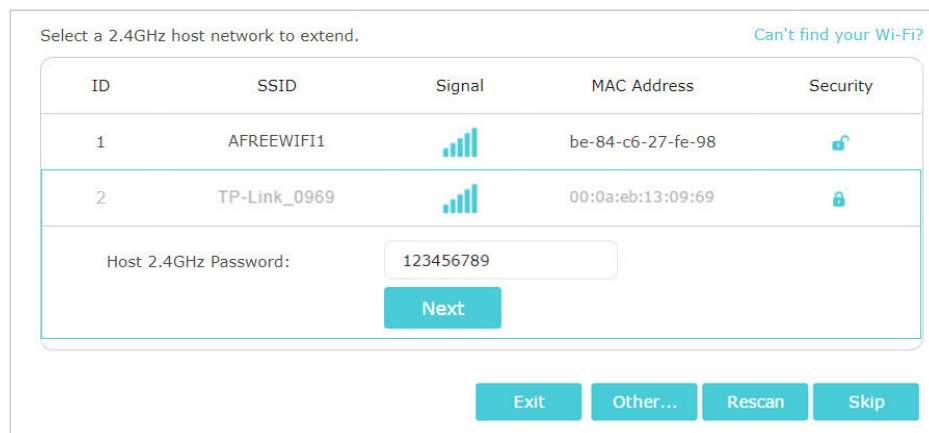


A password creation interface. It features a 'Create Password' button with a key icon and a lock icon. Below it are three tabs: 'Low', 'Middle', and 'High'. Under the 'Low' tab is a 'Confirm Password' button with a key icon and a lock icon. At the bottom is a large blue 'Start' button.

Note:

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

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



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

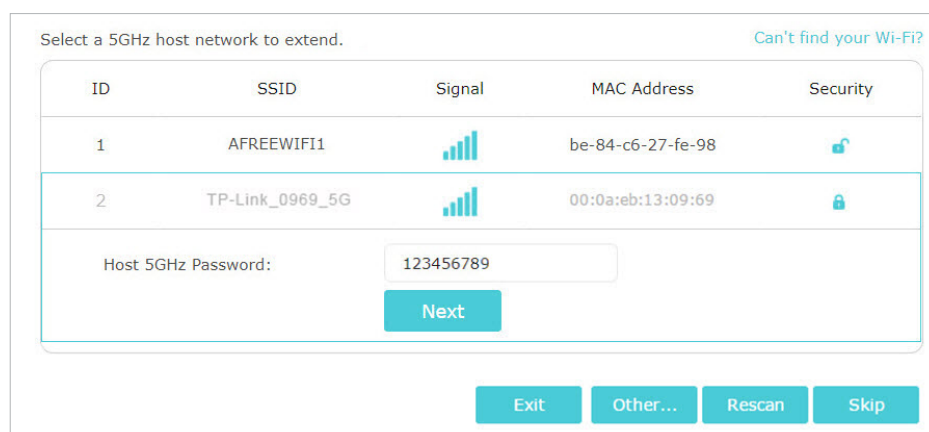
ID	SSID	Signal	MAC Address	Security
1	AFREEWIFI1		be-84-c6-27-fe-98	
2	TP-Link_0969		00:0a:eb:13:09:69	

Host 2.4GHz Password:

[Next](#)

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

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



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

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

Host 5GHz Password:

[Next](#)

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

Note:

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

- 4) Confirm your host network password.

Please confirm your host network password.

2.4GHz Host Network		5GHz Host Network	
SSID:	TP-Link_0969	SSID:	TP-Link_0969_5G
Password:	123456789	Password:	123456789

[Back](#) [Confirm](#)

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

Tip:

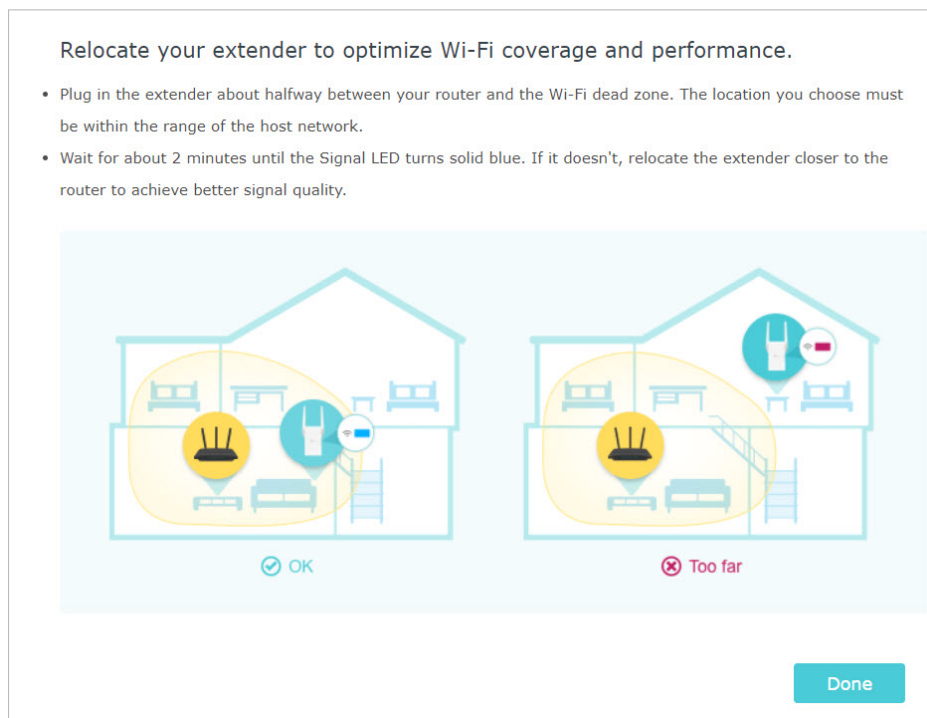
If you connect the extender to a TP-Link OneMesh router, the extender will automatically join the router's OneMesh network and copy the router's wireless settings. For more information, refer to [OneMesh™ with Seamless Roaming](#).

Set the extended network names (SSIDs).

Extended 2.4GHz SSID:	TP-Link_0969_EXT
Extended 2.4GHz Password:	12345678 (Same as your host network password)
Extended 5GHz SSID:	TP-Link_0969_5G EXT
Extended 5GHz Password:	12345678 (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) **Enjoy!** Connect to the extended network and enjoy the internet.

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

2.4GHz Extended Network	5GHz Extended Network
SSID: TP-Link_0969_EXT	SSID: TP-Link_0969_5G_EXT
Password: 123456789	Password: 123456789

☒ I have connected to the extended network.

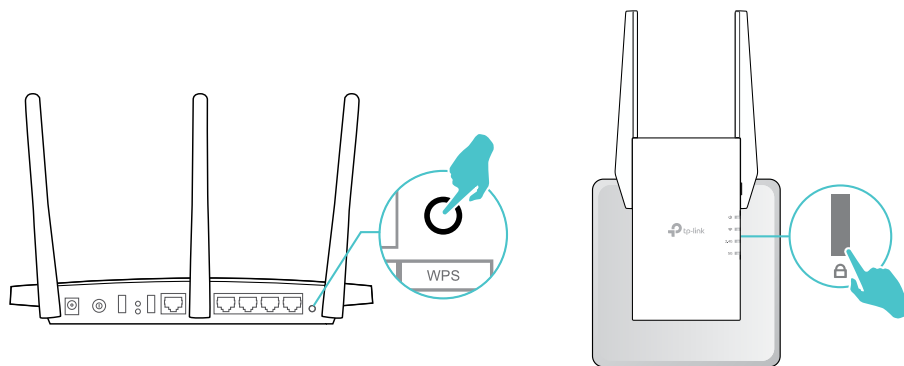
Finish

2.2.3. Method 3: Via the WPS Button

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



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



Note:

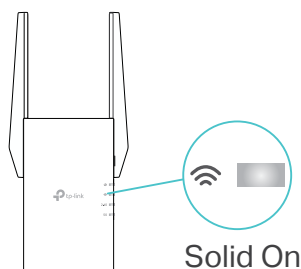
For more information about using WPS button on your host router, please refer to the router manufacturer's user guide.

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

Note:

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

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



Extended Network Names:

Router's network name with _EXT at the end

Passwords:

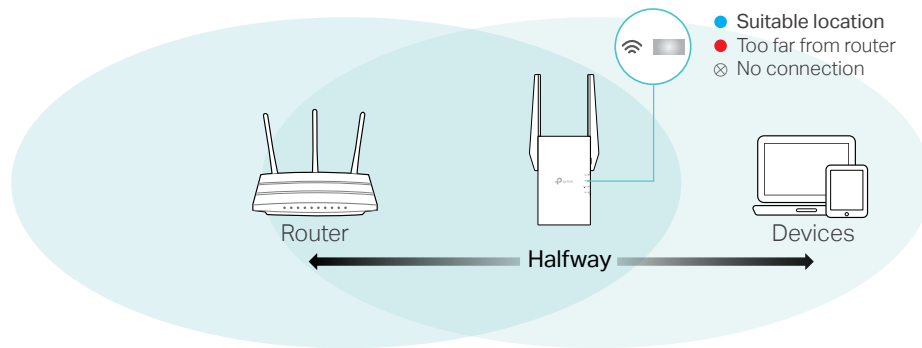
Same as your router

Note:

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

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

5. 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.

6. **Enjoy!** Connect to the extended network and enjoy the internet.

Chapter 3

OneMesh™ with Seamless Roaming

This chapter introduces the TP-Link OneMesh™ feature.

It contains the following sections:

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

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.



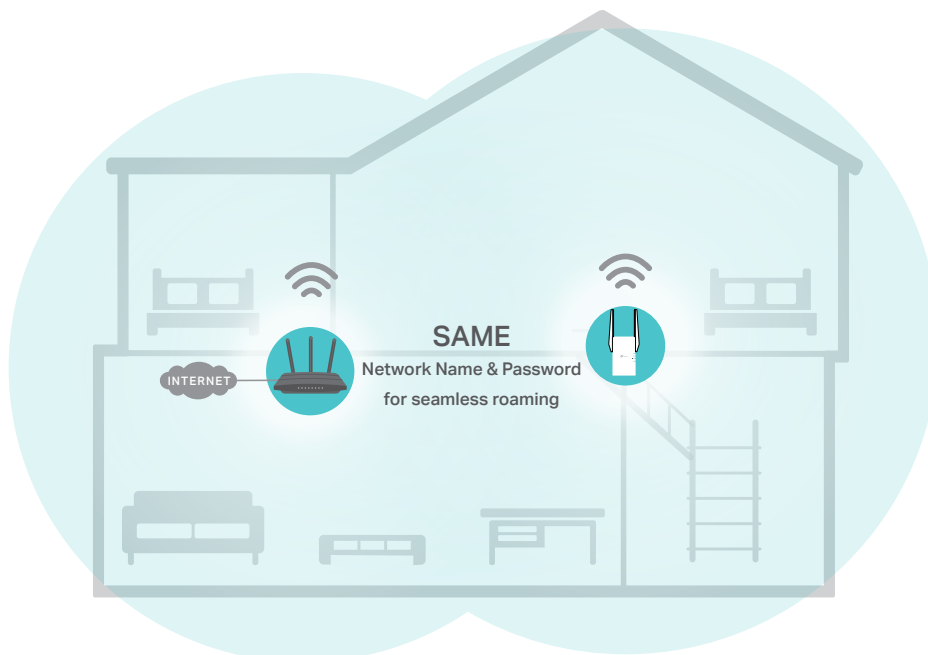
Easy Setup and Management

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/One-Mesh/compatibility>.



Unified OneMesh™ Network

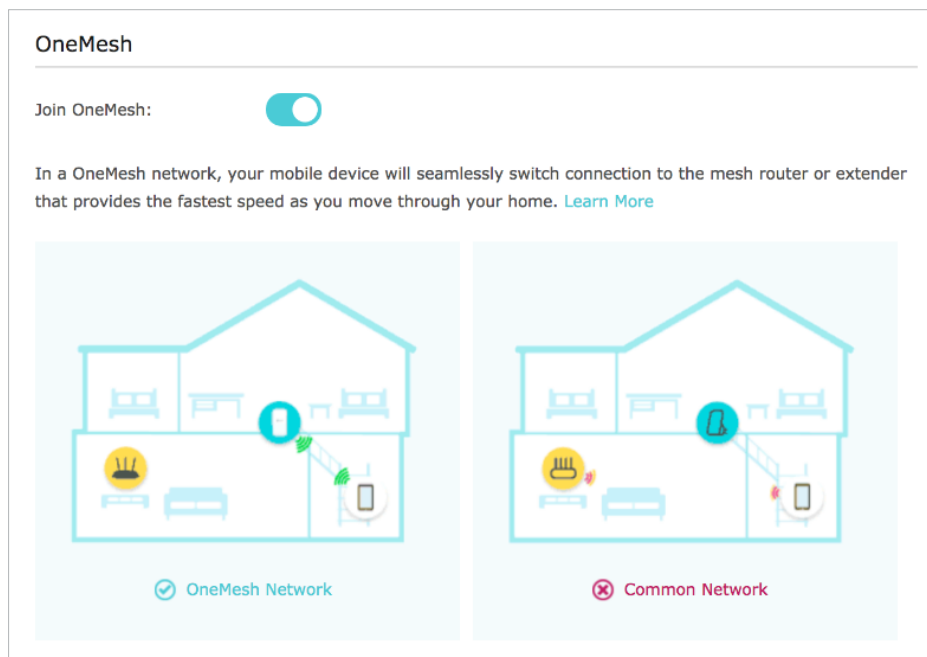


3.2. How to Set Up a OneMesh™ Network

Once the extender is connected to a TP-Link OneMesh™ router via any method, the extender will automatically join the router's OneMesh™ network and copy the router's wireless settings. You can manage all mesh devices in the OneMesh™ network all on your router's web page.

If you want to remove the extender from the OneMesh™ network, follow the steps below:

1. Visit <http://tplinkrepeater.net>, and log in with the password you set for the extender.
2. Go to **Settings > OneMesh** and toggle off **Join OneMesh**.



Chapter 4

TP-Link Cloud Service

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

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

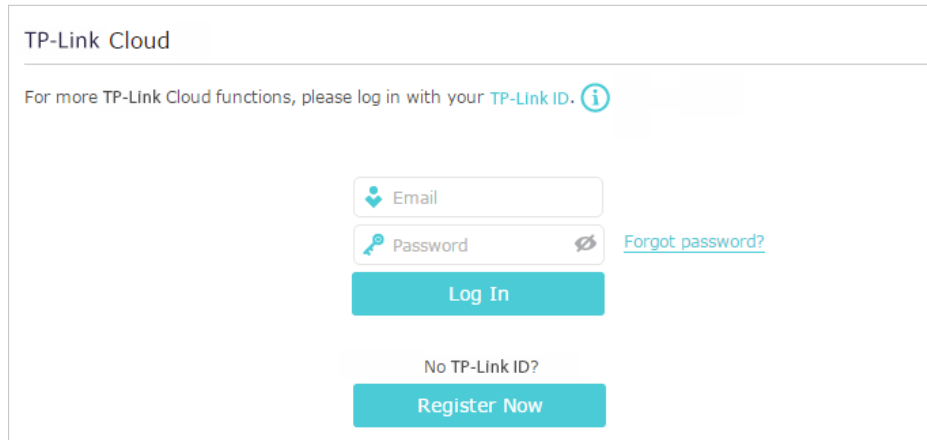
It contains the following sections:

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

4.1. Register a TP-Link ID

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

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



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

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

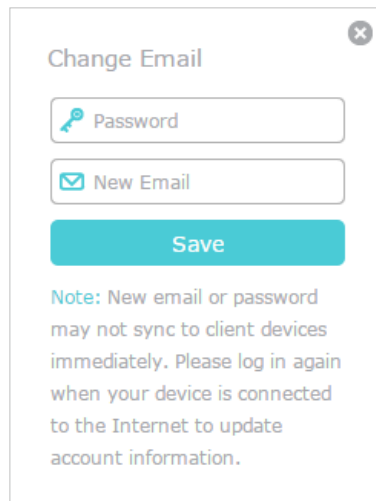
■ Notes:

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

4.2. Change Your TP-Link ID Information

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

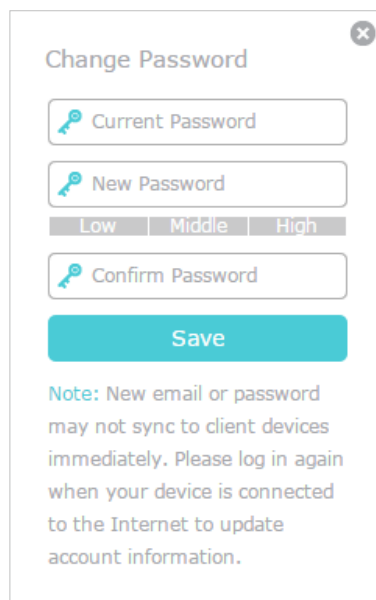
1. Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID.
 2. Go to [Settings](#) > [TP-Link Cloud](#), and focus on the [Account Information](#) section.
- **To change your email address:**
 1. Click  behind the Email.
 2. Enter the password of your TP-Link ID, then a new email address.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



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

- **To change your password:**

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



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

4.3. Manage the User TP-Link IDs

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

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

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

4.3.1. Add TP-Link ID to Manage the Extender

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

 Note:

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

4. The new TP-Link ID will be displayed in the Bound Accounts table as a [User](#).

Bound Accounts				
☐	ID	Email	Binding Date	Role
☐	1	zhengyun_xue@me.com	06/11/2018	Admin
☐	2	zhengyunfighting@163.com	06/11/2018	User

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

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

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

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

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

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



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

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

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

Chapter 5

Customize Your Network

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

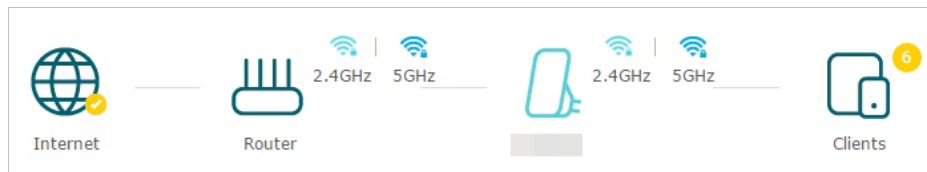
It contains the following sections:

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

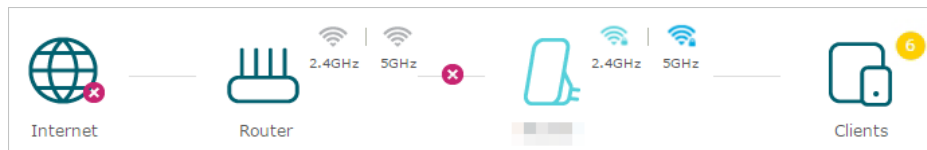
5.1. Check Internet Status

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

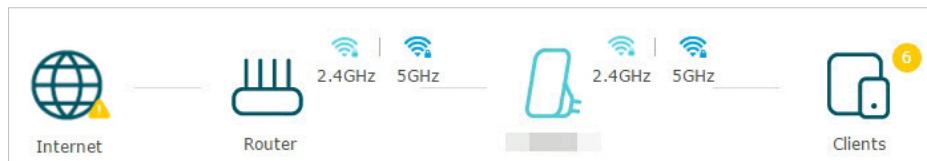
1. Visit <http://tplinkrepeater.net>, and log in with your TP-Link ID or the password you set for the extender.
2. Go to [Settings](#) > [Status](#) to view the internet status of your extender.
 - The extender runs normally.



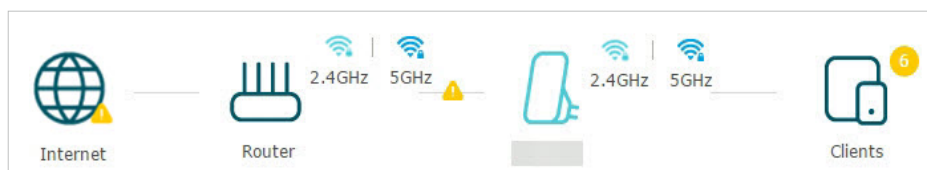
- The extender fails to connect to the host networks. Please go to [Settings](#) > [Wireless](#) > [Connect to Network](#) to check whether the host network passwords are correct. If the problem still exists, relocate the extender closer to the router to achieve better signal quality.



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



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



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

5.2. Configure Wireless Network

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

Tip:

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

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

Note:

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

- **To extend another host network:**

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

Connect to Host Network

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

Wireless Scanner

Host 2.4GHz SSID:

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

Host 2.4GHz Password:

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

Wireless Scanner

Host 5GHz SSID:

Host 5GHz Security: **No Security** ▼

Host 5GHz Password:

Save

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

Note:

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

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

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

5. Click [Save](#).

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

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

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

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

Extended Network Settings

Extended 2.4GHz: ☒ [Enable](#)

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

☐ Hide SSID broadcast

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

Extended 5GHz: ☒ [Enable](#)

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

☐ Hide SSID broadcast

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

[Save](#)

3. Click [Save](#).

■ **Note:**

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

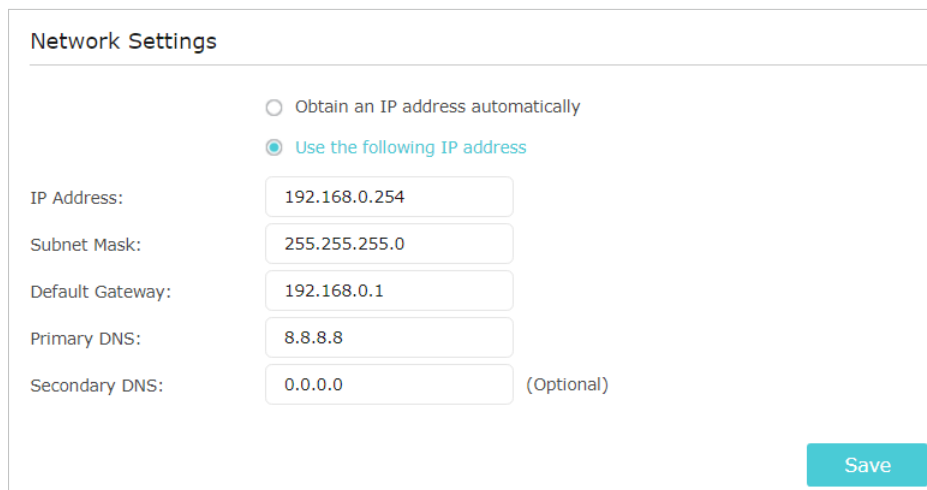
- **To hide the SSID of the extended network:**

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

5.3. Change LAN Settings

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

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



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)

[Save](#)

7. Click [Save](#).

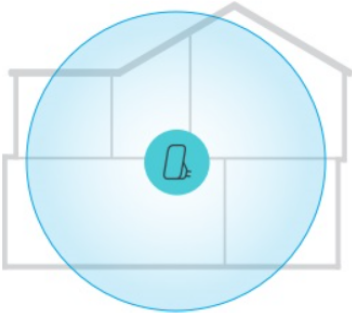
5.4. Adjust Wi-Fi Coverage

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

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

Wi-Fi Coverage

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



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

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

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

Save

4. Click [Save](#).

5.5. Set Access Control

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

Tip:

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

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

Access Control

Access Control: ☒

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

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

Access Mode

Default Access Mode: ☒ Blacklist ☐ Whitelist

[Save](#)

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

Online Devices

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

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

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

Device Name:

MAC Address:

Effective Time: ☐ Cannot access at any time ☒ Cannot access based on the time schedule

Time: : - :

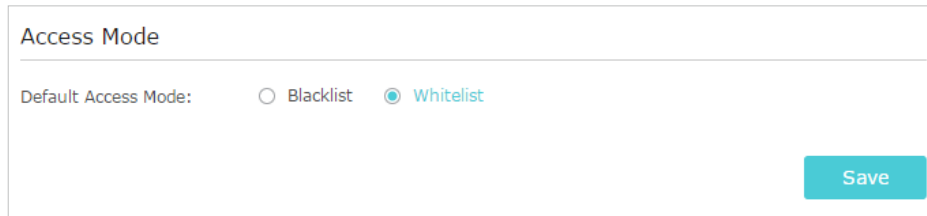
Day(s): ☐ Monday ☐ Tuesday ☐ Wednesday ☐ Thursday ☐ Friday ☐ Saturday ☐ Sunday

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

5. Click [Save](#).

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

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

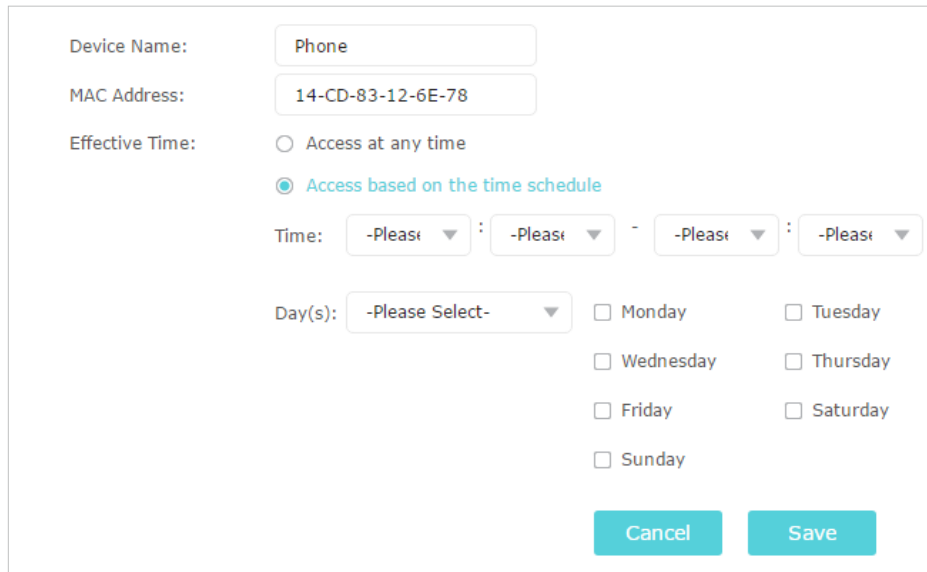


Access Mode

Default Access Mode: ☐ Blacklist ☒ Whitelist

Save

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



Device Name:

MAC Address:

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

Time: : - :

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

Cancel Save

3. Click [Save](#).

5.6. Set High Speed Mode

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

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

■ Notes:

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

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

High Speed

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

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

☐ Manual

Save

5. 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](#)
- [Change Login Password](#)
- [Check System Log](#)

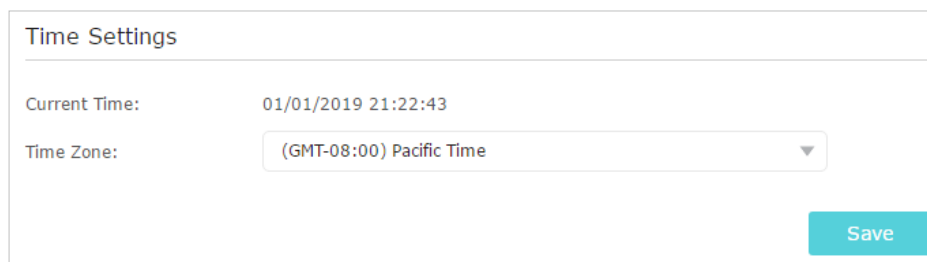
6.1. Set System Time

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.



Time Settings

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

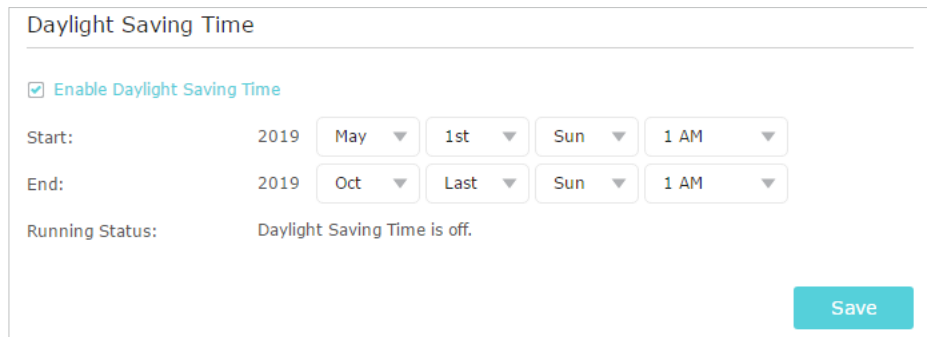
Time Zone: (GMT-08:00) Pacific Time

Save

2. Click [Save](#).

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

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



Daylight Saving Time

☒ Enable Daylight Saving Time

Start: 2019 May 1st Sun 1 AM

End: 2019 Oct Last Sun 1 AM

Running Status: Daylight Saving Time is off.

Save

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

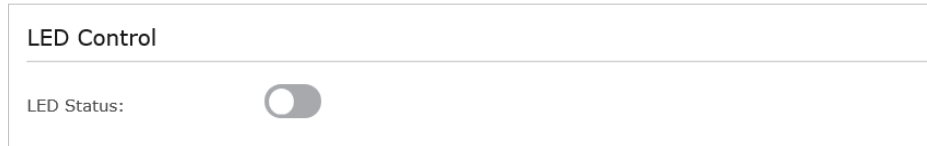
6.2. Control LEDs

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

- **To turn off the LEDs:**

Disable [LED Status](#).



LED Control

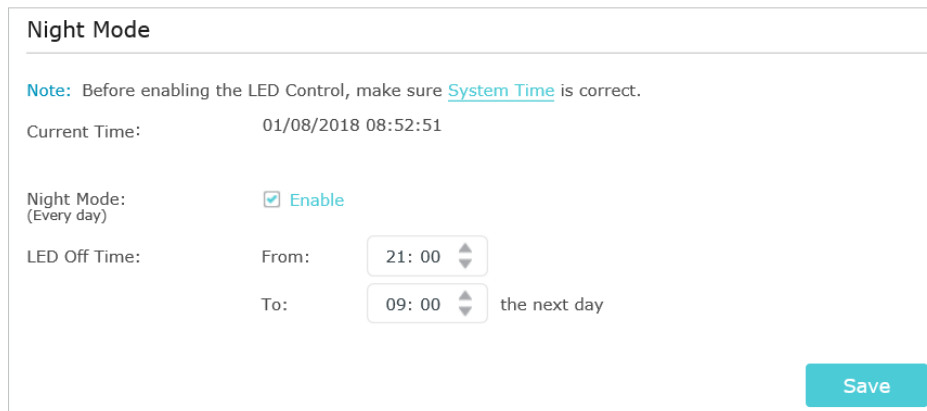
LED Status: ☐

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

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

■ Note: The effective 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](#).



Night Mode

Note: Before enabling the LED Control, make sure [System Time](#) is correct.

Current Time: 01/08/2018 08:52:51

Night Mode: (Every day) ☒ [Enable](#)

LED Off Time: From: 21:00 To: 09:00 the next day

[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 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**.

6.4. 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 upgrade the firmware online:**

1. Visit <http://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)

3.3.0 (Build 100100) (Full Download)

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://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.

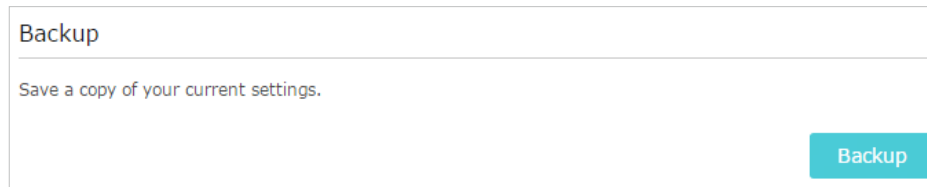
6.5. Backup and Restore Configuration Settings

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:**

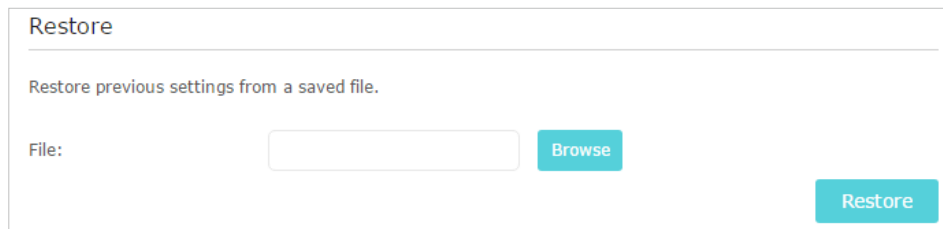
Click [Backup](#) to save a copy of the current settings to your local computer. A '.bin' file of the current settings will be stored on your computer.



The screenshot shows a web interface titled "Backup". Below the title is a horizontal line, followed by the text "Save a copy of your current settings." In the bottom right corner, there is a teal button labeled "Backup".

- **To restore configuration settings:**

1. Click [Browse](#) to locate the backup configuration file stored on your computer, and click [Restore](#).



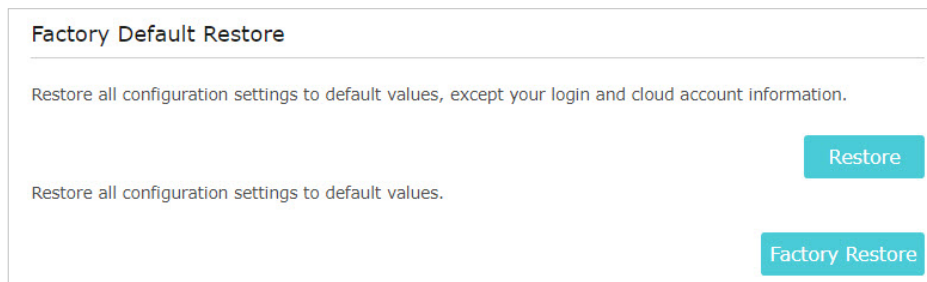
The screenshot shows a web interface titled "Restore". Below the title is a horizontal line, followed by the text "Restore previous settings from a saved file." Below this text is a label "File:" followed by a text input field and a teal button labeled "Browse". In the bottom right corner, there is a teal button labeled "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 your login and cloud account information.



The screenshot shows a web interface titled "Factory Default Restore". Below the title is a horizontal line, followed by the text "Restore all configuration settings to default values, except your login and cloud account information." In the bottom right corner, there is a teal button labeled "Restore". Below this text, there is another line of text "Restore all configuration settings to default values." and a teal button labeled "Factory Restore" in the bottom right corner.

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

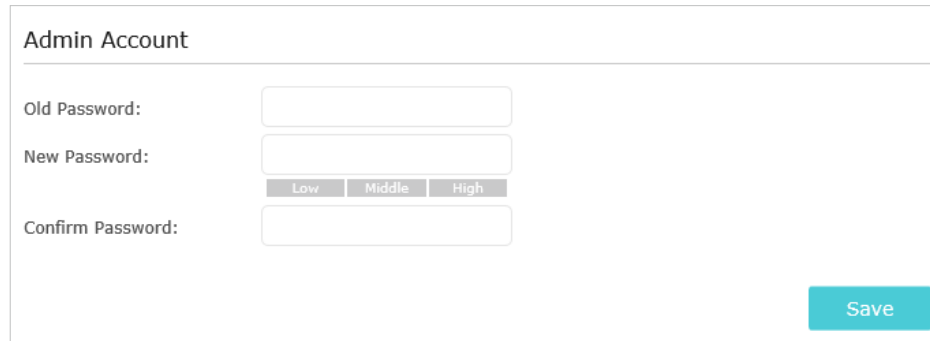
■ **Notes:**

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

6.6. Change Login Password

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

1. Visit <http://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](#).



Admin Account

Old Password:

New Password:

Low Middle High

Confirm Password:

Save

4. Use the new password for future logins.

6.7. 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://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

 Level =

ALL

Refresh

Delete All

ID	Time	Type	Level	Content
5	0 days 00:10:59	DHCPC	ERROR	DHCP detection failed.
4	0 days 00:10:56	DHCPC	INFO	Sent a detection for DHCP.
3	0 days 00:10:53	DHCPC	INFO	Sent a detection for DHCP.
2	0 days 00:10:50	DHCPC	INFO	Sent a detection for DHCP.
1	0 days 00:10:47	OTHERS	INFO	User cleared up all the logs.

Save Log

Chapter 7

More Features of Your Extender

This chapter explains how to use the extender as a wireless adapter and as an access point.

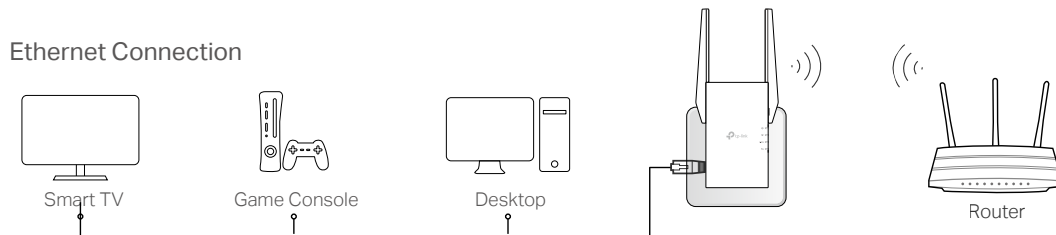
It contains the following sections:

- [Use Your Extender as a Wireless Adapter](#)
- [Transform Your Existing Wired Network to a Wireless One](#)

7.1. Use Your Extender as a Wireless Adapter

The extender can be used as a wireless adapter to connect any wired-only device, such as a Blu-ray player, game console, DVR, or smart TV, to your wireless network.

After configuration, you can connect an Ethernet-enabled device to the extender via an Ethernet cable.

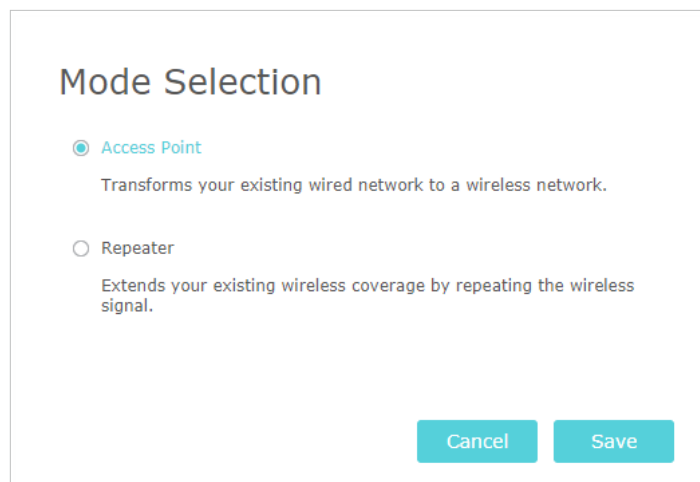


7.2. Transform Your Existing Wired Network to a Wireless One

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

7.2.1. Set Up the Extender as an Access Point

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



3. After rebooting, connect the extender to your modem or wired router via an Ethernet cable.

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

Extended 2.4GHz Password:

Wireless 5GHz: ☒ Extend network on 5GHz

Extended 5GHz SSID: ☐ Hide SSID broadcast

Extended 5GHz Password:

Exit Next

- 2) Confirm the information and click **Finish**. Now, you can enjoy Wi-Fi.

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_Extender	Extended 5GHz SSID:	TP-Link_Extender_5GHz
Hide SSID:	Off	Hide SSID:	Off
Extended 2.4GHz Password:	123456789	Extended 5GHz Password:	123456789

Back Finish