



User Guide

BE24000 Quad-Band Wi-Fi 7 Router
Archer BE900

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About This Guide

This guide is a complement of Quick Installation Guide. The Quick Installation Guide instructs you on quick internet setup, and this guide provides details of each function and shows you the way to configure these functions appropriate to your needs.

Note: Features available in the router may vary by model and software version. Router 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 Router experience.

Conventions

In this guide the following conventions are used:

Convention	Description
<u>Underlined</u>	Underlined words or phrases are hyperlinks. You can click to redirect to a website or a specific section.
Teal	Contents to be emphasized and texts on the web page are in teal, including the menus, items, buttons, etc.
>	The menu structures to show the path to load the corresponding page. For example, Advanced > System > Firmware Update means the Firmware Update page is under the System menu that is located in the Advanced tab.
 Note:	Ignoring this type of note might result in a malfunction or damage to the device.
 Tips:	Indicates important information that helps you make better use of your device.
symbols on the web page	<ul style="list-style-type: none"> Click to edit the corresponding entry. Click to delete the corresponding entry. click to enable or disable the corresponding entry. Click to view more information about items on the page.

More Info

The latest software, management app and utility can be found at [Download Center](https://www.tp-link.com/support/download) at <https://www.tp-link.com/support/download>.

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

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](https://www.tp-link.com/support) page at <https://www.tp-link.com/support>.

- * Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection, quality, and client condition.
- * Use of Wi-Fi 6 (802.11ax), Wi-Fi 6E, and features including OFDMA, 1024-QAM, and HE160 require clients to also support the corresponding features. Seven 160MHz channels may not be all available in the 6 GHz band in some regions/countries due to regulatory restrictions.
- * Saving clients' battery power requires clients to also support the 802.11ax Wi-Fi standard. Actual power reduction may vary as a result of network conditions, client limitations, and environmental factors.
- * HomeShield includes the Free Basic Plan. Fees apply for the Pro Plan. Visit **tp-link.com/homeshield** for more information.
- * Use of WPA3 requires clients to also support the corresponding feature.
- * This router may not support all the mandatory features as ratified in Draft 3.0 of IEEE 802.11ax specification.
- * Further software upgrades for feature availability may be required.

Chapter 1

Get to Know About Your Router

This chapter introduces what the router can do and shows its appearance.

It chapter contains the following sections:

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

1.1. Product Overview

TP-Link Wi-Fi 7 router, with the 802.11be Wi-Fi technology and the brand-new 6 GHz band, achieves Wi-Fi performance at its ultimate level. The new features of Wi-Fi 7 and 4k QAM dramatically improve throughput and increase capacity and efficiency of the whole network. Access to the 6 GHz band brings more bandwidth, faster speeds, and lower latency, opening up resources for future innovations.

Moreover, it is simple and convenient to set up and use the TP-Link router due to its intuitive Tether app and powerful web interface.




1.2. Appearance





1.2.1. Front Panel



LED Screen

Commonly used functions and information can be visually displayed: weather, graphics, time, and more.

Status	Indication
	Pulsing LEDs. The router is starting up or being reset.
	Cycling graphics. The router is ready for setup.
	Display the information set in Tether, and cycle through the emoji by default. The router works fine and can access the internet.

Status	Indication
	Establishing a WPS connection. If successful, a ✓ will appear, if failed, an × will appear
	The router is being upgraded.
	The router is disconnected from the internet.
	LEDs in the top are pulsing in a line, indicating Wi-Fi is off.

Touchscreen

Use the touchscreen to check basic information, network status, connected clients, guest network, and more.

Swipe the home screen to display system time, network connection, CPU & memory, and weather information.



Tap to display system tools screens, such as the Firmware Update screen.



Tap to display the Wi-Fi setting screens, such as Guest Network, WPS, and Wi-Fi On/Off.



Tap to display LED screen and touchscreen settings, such as adjusting the brightness and turning off the screen. When the touchscreen is off, touch it to turn it on.

1.2.2. Back Panel and Side Panel



The following parts are located on the back panel.

Item	Description
Power On/Off Button	Press this button to power on or off the router.
POWER Port	For connecting the router to a power socket via the provided power adapter.
USB 3.0 Port	For connecting your USB storage devices to the router.
USB 2.0 Port	For connecting your USB storage devices to the router.
10Gbps WAN/LAN Combo Port	The combo port pairs a RJ45 port with an SFP+ port. Only one port in the pair can be used at a time. RJ45 port: For connecting to your modem, the Ethernet outlet or other internet devices. Used as the WAN or LAN port. SFP+ port: For connecting to your optical module.
10Gbps WAN/LAN Port	For connecting to your modem, the Ethernet outlet or other internet devices. Used as the WAN or LAN port.
1Gbps WAN/LAN Port	For connecting to your modem, the Ethernet outlet or other internet devices. Used as the WAN or LAN port.
2.5Gbps LAN Port (1-4)	For connecting your PC or other wired devices to the router.

Note:

10Gbps WAN/LAN Combo port, 10Gbps WAN/LAN port, and 2.5Gbps WAN/LAN port cannot be used as the WAN port at the same time. If you choose to one of the ports as the WAN port for internet service, the other ports will be used as LAN port by default. It's recommended to use the RJ45 port in the 10Gbps WAN/LAN Combo pair as the WAN port.

Chapter 2

Connect the Hardware

This chapter contains the following sections:

- [Position Your Router](#)
- [Connect Your Router](#)

2.1. Position Your Router

- The product should not be located in a place where it will be exposed to moisture or excessive heat.
- Place the router in a location where it can be connected to multiple devices as well as to a power source.
- Make sure the cables and power cord are safely placed out of the way so they do not create a tripping hazard.
- The router can be placed on a shelf or desktop.
- Keep the router away from devices with strong electromagnetic interference, such as Bluetooth devices, cordless phones and microwaves.
- Generally, the router is placed on a horizontal surface, such as on a shelf or desktop.

2.2. Connect Your Router

1. Connect the router's 10Gbps Combo port to the internet via Ethernet or fiber network.

Note:

Note: If you want to change the WAN port for internet service, go to the Tether app or web management page to configure it.



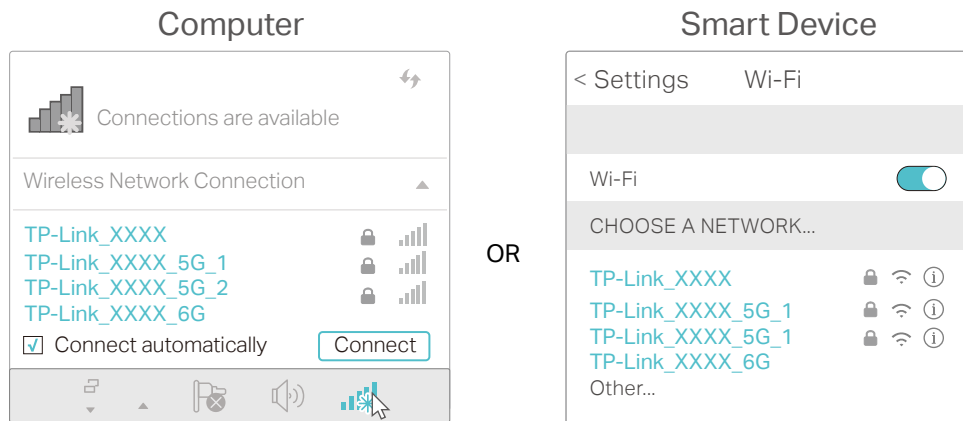
2. Connect the power adapter to the router and turn on the router.
3. Wait until the LED screen cycles through graphics and the touchscreen displays the Tether download screen before moving on.
4. Connect your computer to the router.

- **Method 1: Wired**

Turn off the Wi-Fi on your computer and connect the devices to the LAN port of your router.

- **Method 2: Wirelessly**

- 1) Find the SSIDs (Network Names) and Wireless Password printed on the label at the bottom of the router.
- 2) Click the network icon of your computer or go to Wi-Fi Settings of your smart device, and then select the SSID to join the network.



Chapter 3

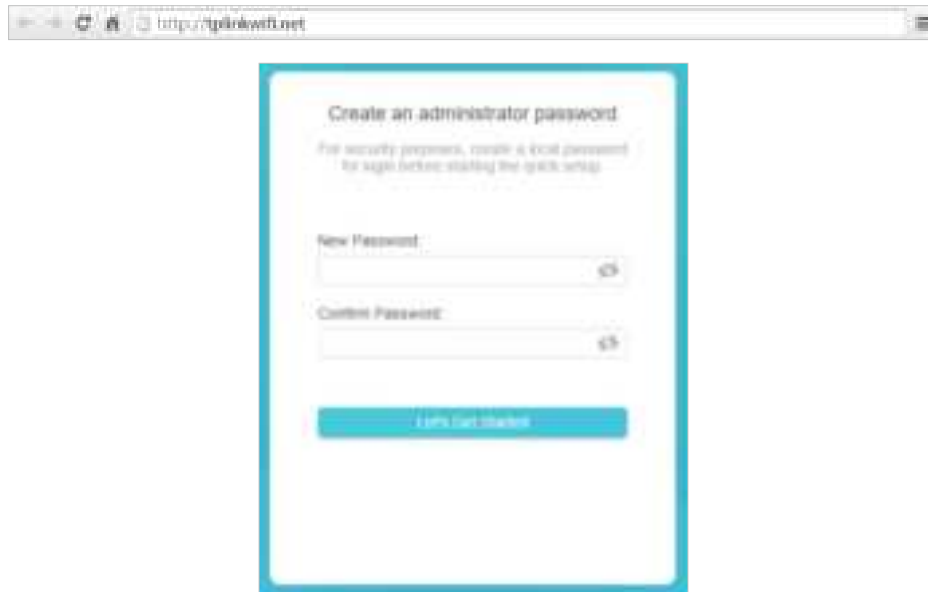
Log In to Your Router

With a web-based utility, it is easy to configure and manage the router. The web-based utility can be used on any Windows, Mac OS or UNIX OS with a Web browser, such as Microsoft Internet Explorer, Mozilla Firefox or Apple Safari.

Follow the steps below to log in to your router.

1. Set up the TCP/IP Protocol in [Obtain an IP address automatically](#) mode on your computer.
2. Visit <http://tplinkwifi.net>, and create a login password for secure management purposes. Then click [Let's Get Started](#) to log in.

■ **Note:** If the login window does not appear, please refer to the [FAQ](#) Section.



Chapter 4

Set Up Internet Connection

This chapter introduces how to connect your router to the internet. The router is equipped with a web-based Quick Setup wizard. It has necessary ISP information built in, automates many of the steps and verifies that those steps have been successfully completed. Furthermore, you can also set up an IPv6 connection if your ISP provides IPv6 service.

It contains the following sections:

- [Use Quick Setup Wizard](#)
- [Quick Setup Via TP-Link Tether App](#)
- [Manually Set Up Your Internet Connection](#)
- [Set Up the Router as an Access Point](#)
- [Set Up an IPv6 Internet Connection](#)

4.1. Use Quick Setup Wizard

The Quick Setup Wizard will guide you to set up your router.

☞ **Tips:**

If you need the IPv6 internet connection, please refer to the section of [Set Up an IPv6 Internet Connection](#).

Follow the steps below to set up your router.

1. Visit <http://tplinkwifi.net>, and log in with the password you set for the router.
2. Follow the step-by-step instructions to complete Quick Setup configuration or go to [Advanced](#) > [Quick Setup](#) for configuration to connect your router to the internet. Then follow the step-by-step instructions to connect your router to the internet.
3. To enjoy a more complete service from TP-Link (remote management, TP-Link DDNS, and more.), log in with your TP-Link ID or click [Sign Up Now](#) to get one. Then follow the instructions to bind the cloud router to your TP-Link ID.

■ **Note:**

- To learn more about the TP-Link Cloud service, please refer to the [TP-Link Cloud Service](#) section.
- If you do not want to register a TP-Link ID now, you may click [Skip](#) to proceed.
- If you have changed the preset wireless network name (SSID) and wireless password during the Quick Setup process, all your wireless devices must use the new SSID and password to connect to the router.

4.2. Quick Setup Via 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. Tap the **+** button and select **Router** > **Wireless Router**. Follow the steps to complete the setup and connect to the internet.

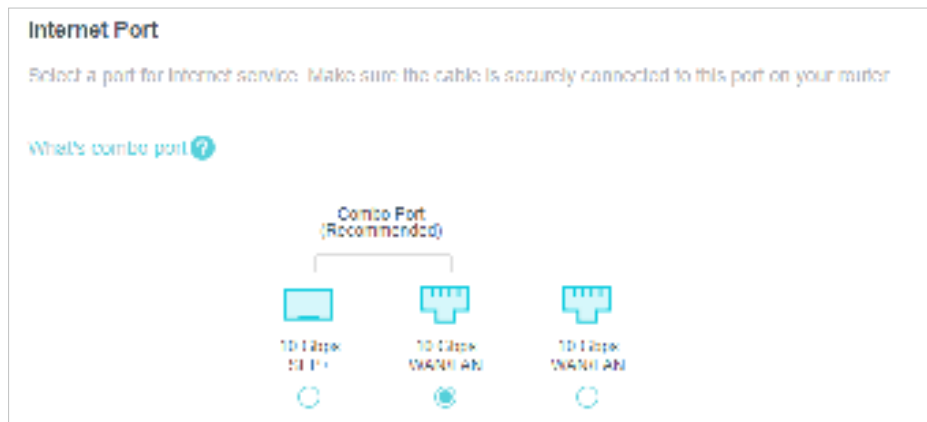
4. Connect your devices to the newly configured wireless networks of the router and enjoy the internet!

4.3. Manually Set Up Your Internet Connection

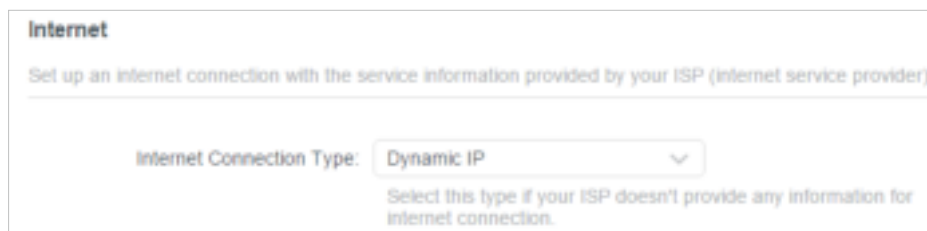
In this part, you can check your current internet connection settings. You can also modify the settings according to the service information provided by your ISP.

Follow the steps below to check or modify your internet connection settings.

1. Visit <http://tplinkwifi.net>, and log in with your TP-Link ID or the password you set for the router.
2. Go to **Internet**.
3. Select a port for internet service. Make sure the cable is securely connected to this port on your router.

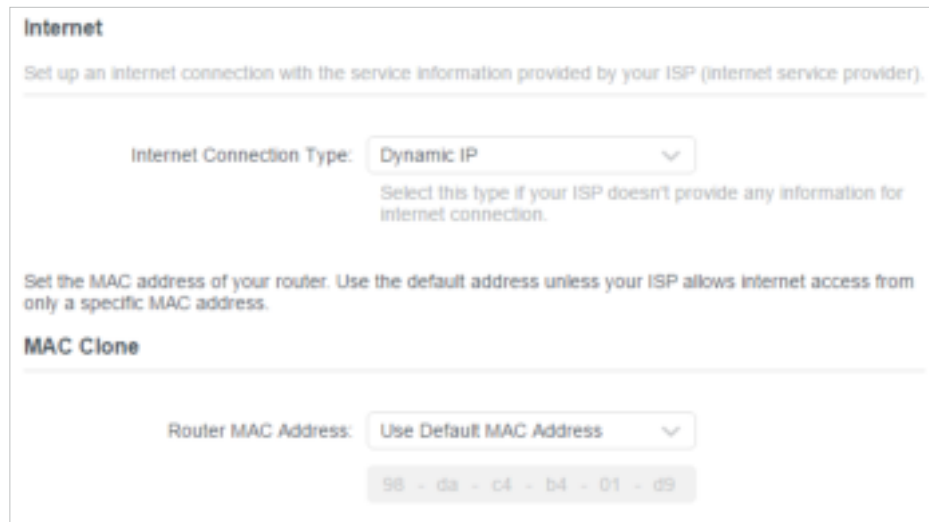


4. Select your internet connection type from the drop-down list.



5. Follow the instructions on the page to continue the configuration. Parameters on the figures are just used for demonstration.

- 1) If you choose **Dynamic IP**, you need to select whether to clone the MAC address. Dynamic IP users are usually equipped with a cable TV or fiber cable.



Internet

Set up an internet connection with the service information provided by your ISP (internet service provider).

Internet Connection Type: **Dynamic IP** ▼

Select this type if your ISP doesn't provide any information for internet connection.

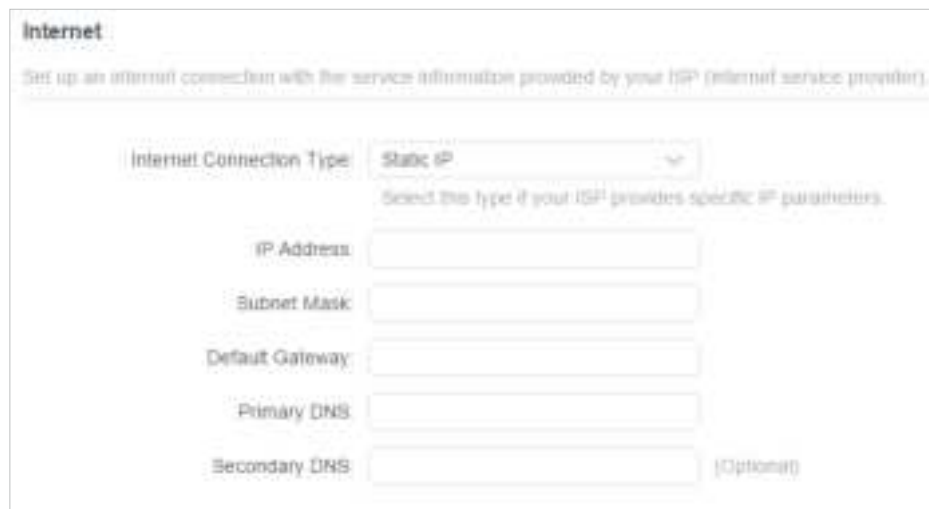
Set the MAC address of your router. Use the default address unless your ISP allows internet access from only a specific MAC address.

MAC Clone

Router MAC Address: **Use Default MAC Address** ▼

98 - da - c4 - b4 - 01 - d9

- 2) If you choose **Static IP**, enter the information provided by your ISP in the corresponding fields.



Internet

Set up an internet connection with the service information provided by your ISP (internet service provider).

Internet Connection Type: **Static IP** ▼

Select this type if your ISP provides specific IP parameters.

IP Address:

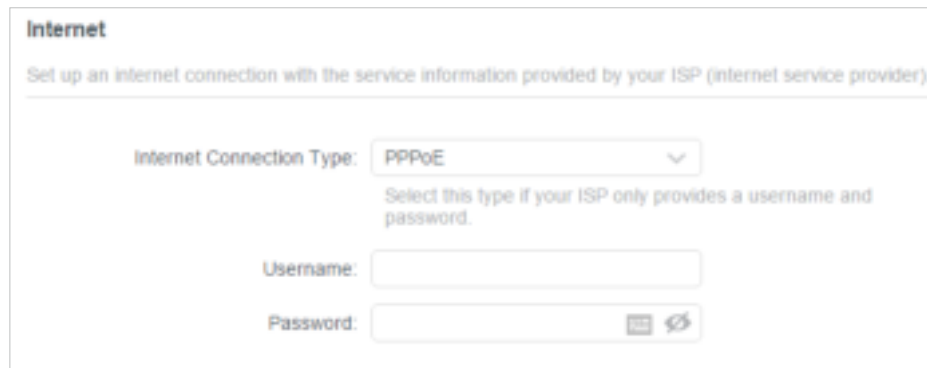
Subnet Mask:

Default Gateway:

Primary DNS:

Secondary DNS: (Optional)

- 3) If you choose **PPPoE**, enter the **username** and **password** provided by your ISP. PPPoE users usually have DSL cable modems.





Internet

Set up an internet connection with the service information provided by your ISP (internet service provider).

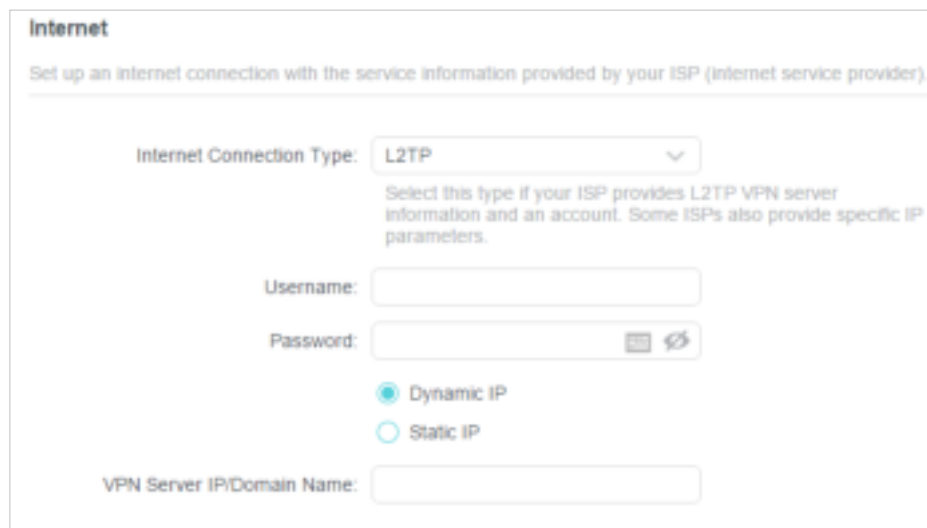
Internet Connection Type: **PPPoE** ▼

Select this type if your ISP only provides a username and password.

Username:

Password:  

- 4) If you choose **L2TP**, enter the **username** and **password** and choose the **Secondary Connection** provided by your ISP. Different parameters are needed according to the Secondary Connection you have chosen.




Internet

Set up an internet connection with the service information provided by your ISP (internet service provider).

Internet Connection Type: **L2TP** ▼

Select this type if your ISP provides L2TP VPN server information and an account. Some ISPs also provide specific IP parameters.

Username:

Password:  

☒ Dynamic IP

☐ Static IP

VPN Server IP/Domain Name:

- 5) If you choose **PPTP**, enter the **username** and **password**, and choose the **Secondary Connection** provided by your ISP. Different parameters are needed according to the Secondary Connection you have chosen.

Internet

Set up an internet connection with the service information provided by your ISP (internet service provider).

Internet Connection Type: PPTP

Select this type if your ISP provides PPTP VPN server information and an account. Some ISPs also provide specific IP parameters.

Username:

Password:

☒ Dynamic IP

☐ Static IP

VPN Server IP/Domain Name:

6. Click **SAVE**.

Tips:

- If you use [Dynamic IP](#) and [PPPoE](#) and you are provided with any other parameters that are not required on the page, please go to [Advanced](#) > [Network](#) > [Internet](#) to complete the configuration.
- If you still cannot access the internet, refer to the [FAQ](#) section for further instructions.

4.4. Set Up the Router as an Access Point

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

1. Visit <http://tplinkwifi.net>, and log in with your TP-Link ID or the password you set for the router.
2. Go to [Advanced](#) > [System](#) > [Operation Mode](#), select [Access Point](#) and click **SAVE**.
The router will reboot and switch to Access Point mode.



3. After rebooting, connect the router to your existing wired router via an Ethernet cable.
4. Log in again to the web management page <http://tplinkwifi.net>, and go to **Advanced** > **Quick Setup**.
5. Configure your wireless settings and click **Next**.
6. Confirm the information and click **SAVE**. Now, you can enjoy Wi-Fi.

☛ **Tips:**

- Functions, such as Parental Controls, QoS and NAT Forwarding, are not supported in the Access Point mode.
- Functions, such as Guest Network, are the same as those in the Router mode.

4. 5. Set Up an IPv6 Internet Connection

Your ISP provides information about one of the following IPv6 internet connection types: PPPoE, Dynamic IP(SLAAC/DHCPv6), Static IP, 6to4 tunnel, Pass-Through (Bridge).

1. Visit <http://tplinkwifi.net>, and log in with your TP-Link ID or the password you set for the router.
2. Go to **Advanced** > **IPv6**.
3. Enable IPv6 and select the internet connection type provided by your ISP.

☛ **Tips:**

If you do not know what your internet connection type is, contact your ISP or judge according to the already known information provided by your ISP.

4. Fill in information as required by different connection types.

- 1) **Static IP:** Fill in blanks and click **SAVE**.

IPv6 Internet

Set up an IPv6 internet connection using the information provided by your ISP (internet service provider).

IPv6: ☒

Internet Connection Type: Static IP

IPv6 Address:

Default Gateway:

Primary DNS:

Secondary DNS:

MTU Size: 1500

bytes. (The default is 1500, do not change unless necessary.)

- 2) **Dynamic IP(SLAAC/DHCPv6):** Click [Advanced](#) to input further information if your ISP requires. Click [SAVE](#) and then click [Renew](#).

IPv6 Internet

Set up an IPv6 internet connection using the information provided by your ISP (internet service provider).

IPv6: ☒

Internet Connection Type: Dynamic IP(SLAAC/DHCPv6)

IPv6 Address: ::

Primary DNS: ::

Secondary DNS: ::

[RENEW](#)

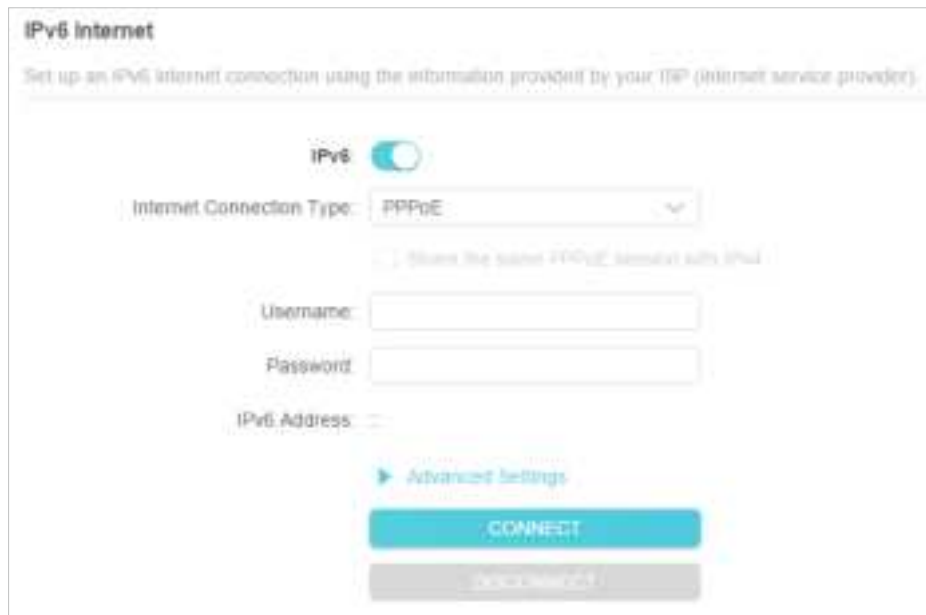
[RELEASE](#)

[▶ Advanced Settings](#)

- 3) **PPPoE:** By default, the router uses the IPv4 account to connect to the IPv6 server. Click [Advanced](#) to input further information if your ISP requires. Click [SAVE](#) and then click [Connect](#).

Note:

If your ISP provides two separate accounts for the IPv4 and IPv6 connections, manually enter the username and password for the IPv6 connection.



IPv6 Internet

Set up an IPv6 internet connection using the information provided by your ISP (internet service provider).

IPv6 ☒

Internet Connection Type: PPPoE

☐ Share the same PPPoE username with IPv4

Username:

Password:

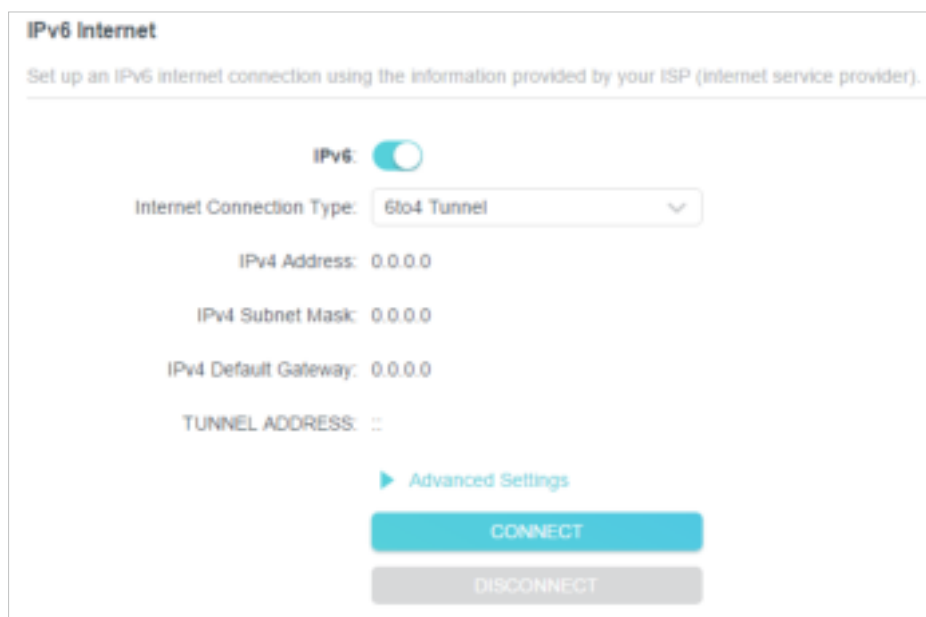
IPv6 Address:

[Advanced Settings](#)

CONNECT

DISCONNECT

- 4) **6to4 Tunnel:** An IPv4 internet connection type is a prerequisite for this connection type ([Manually Set Up Your Internet Connection](#)). Click **Advanced** to input further information if your ISP requires. Click **SAVE** and then click **Connect**.



IPv6 Internet

Set up an IPv6 internet connection using the information provided by your ISP (internet service provider).

IPv6 ☒

Internet Connection Type: 6to4 Tunnel

IPv4 Address: 0.0.0.0

IPv4 Subnet Mask: 0.0.0.0

IPv4 Default Gateway: 0.0.0.0

TUNNEL ADDRESS:

[Advanced Settings](#)

CONNECT

DISCONNECT

- 5) **Pass-Through (Bridge):** Click **SAVE** and skip to Step 6.



IPv6 Internet

Set up an IPv6 internet connection using the information provided by your ISP (internet service provider).

IPv6 ☒

Internet Connection Type: Pass-Through (Bridge)

5. Configure LAN ports. Windows users are recommended to choose from the first two types. Fill in [Address Prefix](#) provided by your ISP, and click [SAVE](#).

IPv6 LAN

Configure the LAN IPv6 address of the router, and set the configuration type to assign IPv6 addresses to the clients.

Assigned Type: ☐ IPv4 Proxy ☐ DHCPv6 ☒ SLAAC+Static IPv6 ☐ SLAAC+DHCPv6

Address Prefix: IPv4

Address: FE80::21A:EBFF:FE13:8004

6. Click [Status](#) to check whether you have successfully set up an IPv6 connection.

Tips:

Visit the [FAQ](#) section if there is no internet connection.

Chapter 5

TP-Link Cloud Service

TP-Link Cloud service provides a better way to manage your cloud devices. Log in to your router 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. To ensure that your router 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 router, and the Tether app with which you can manage your home network no matter where you may find yourself.

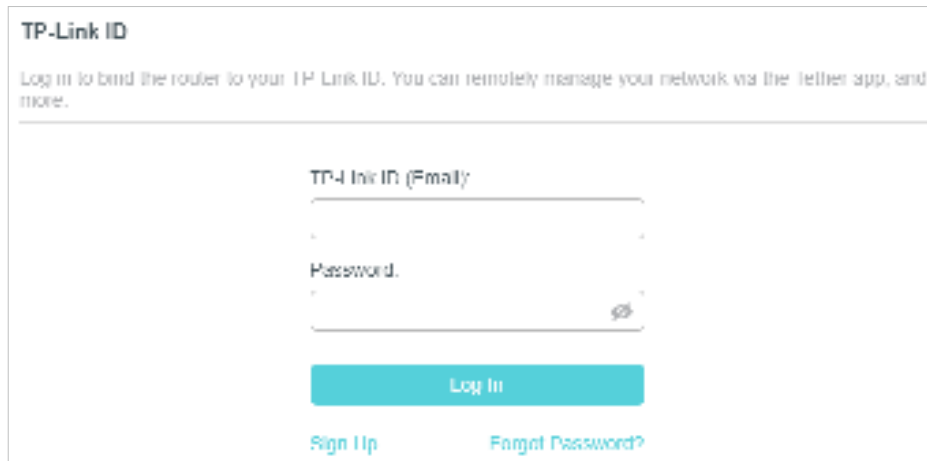
It contains the following sections:

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

5.1. Register a TP-Link ID

If you have skipped the registration during the Quick Setup process, you can:

1. Visit <http://tplinkwifi.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [TP-Link ID](#) or click [TP-Link ID](#) on the very top of the page.
3. Click [Sign Up](#) and follow the instructions to register a TP-Link ID.



TP-Link ID

Log in to bind the router to your TP-Link ID. You can remotely manage your network via the Tether app, and more.

TP-Link ID (Email)

Password

Log In

[Sign Up](#) [Forgot Password?](#)

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

Note:


- 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 Router via the TP-Link Tether App](#) to install the app.
- If you want to unbind the admin TP-Link ID from your router, please go to [Advanced](#) > [TP-Link ID](#), and click [Unbind](#) in the [Device Information](#) section.

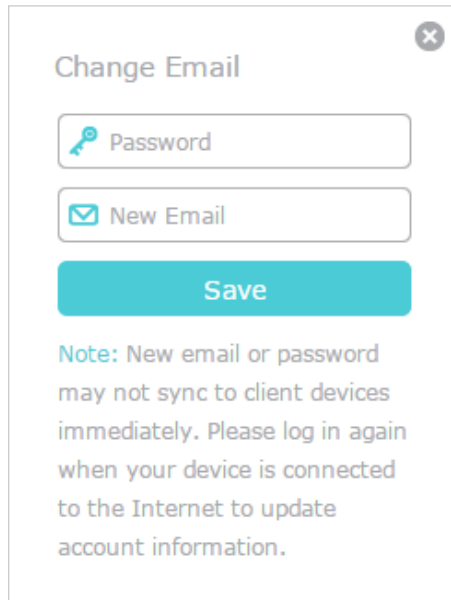
5.2. Change Your TP-Link ID Information

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

1. Visit <http://tplinkwifi.net>, and log in with your TP-Link ID.
2. Go to [Advanced](#) > [TP-Link ID](#), and focus on the [Account Information](#) section.


- **To change your email address:**

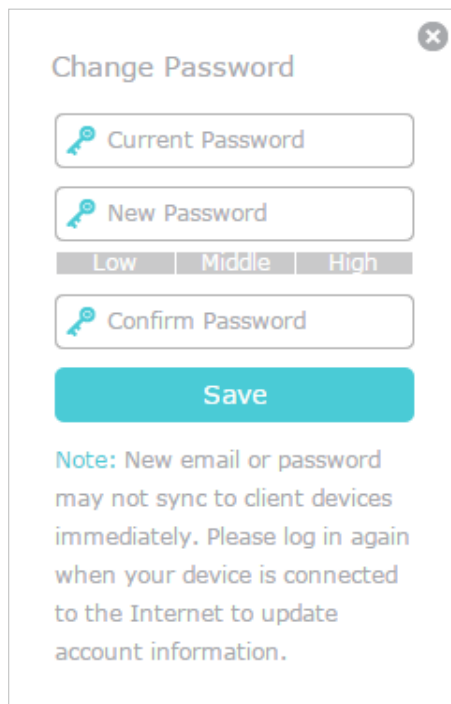
1. Click  behind the Email.
2. Enter the password of your TP-Link ID, then a new email address. And click [SAVE](#).



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. A note at the bottom 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 is a strength indicator with three tabs: "Low", "Middle", and "High". Below the fields is a teal "Save" button. A note at the bottom 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."

5.3. Manage the User TP-Link IDs

The TP-Link ID used to log in to the router 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

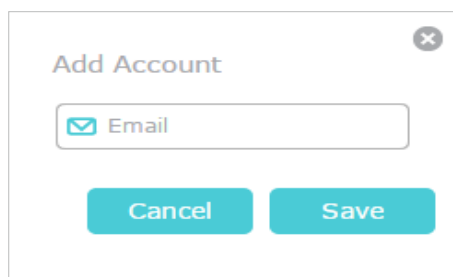
from the same router as **Users**. All accounts can monitor and manage the router locally or remotely, but user accounts cannot:

- Reset the router 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 router.

5.3.1. Add TP-Link ID to Manage the Router

1. Visit <http://tplinkwifi.net>, and log in with your TP-Link ID.
2. Go to **Advanced > TP-Link ID**, 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. Refer to [Manage the Router via the TP-Link Tether App](#) to install the app and register a new TP-Link ID.



The image shows a modal dialog box titled "Add Account" with a close button (X) in the top right corner. Inside the dialog, there is a text input field with a blue envelope icon and the placeholder text "Email". Below the input field are two buttons: "Cancel" and "Save", both in a teal color.

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



The image shows a screenshot of the "Bound Accounts" section in the TP-Link web interface. At the top right of the section are two buttons: "+ Bind" (teal) and "- Unbind" (purple). Below these buttons is a table with the following columns: a checkbox, ID, Email, Binding Date, and Role. There are two rows of data. The first row has ID 1, a blurred email, a blurred binding date, and the role "Admin". The second row has ID 2, a blurred email, a blurred binding date, and the role "User", which is highlighted with a yellow box.

	ID	Email	Binding Date	Role
<input type="checkbox"/>	1	[blurred]	[blurred]	Admin
<input type="checkbox"/>	2	[blurred]	[blurred]	User

5.3.2. Remove TP-Link ID(s) from Managing the Router

1. Visit <http://tplinkwifi.net>, and log in with your TP-Link ID.
2. Go to **Advanced > TP-Link ID**, 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**.

Chapter 6

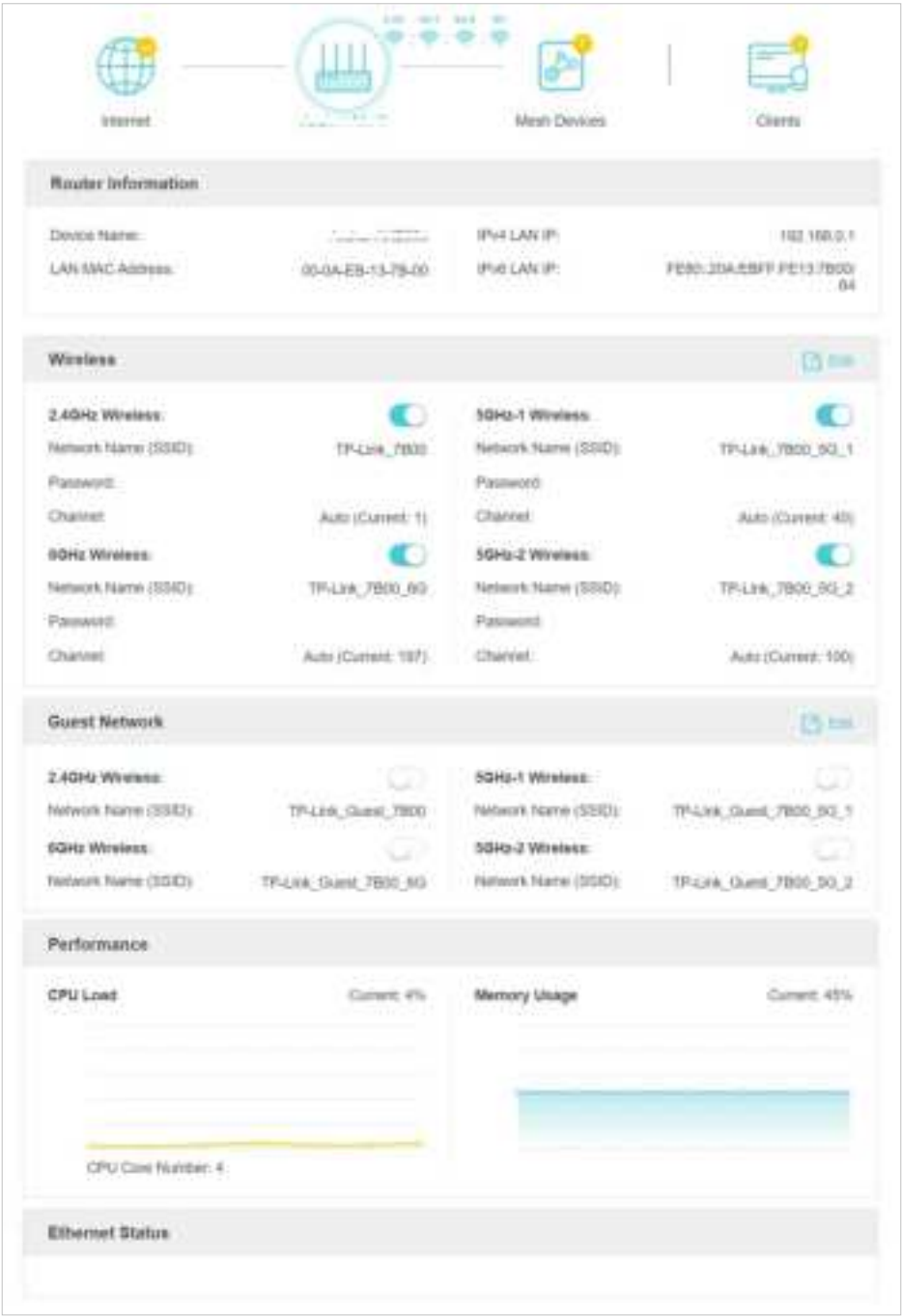
Network Map

Network Map outlines device connectivity of your network visually and helps you manage general settings of the network.

1. Visit <http://tplinkwifi.net>, and log in with your TP-Link ID or the password you set for the router.
 2. Go to [Network Map](#).
 3. Click each network device icon to check and manage general network settings.
- Click [Internet](#) to check internet status.



- Click the router to check device status and network settings. You can turn on or off the wireless network or guest network, or click [Edit](#) to change related settings.



- Click [Mesh Devices](#) to view the devices that form a mesh network with the router.



- Click [Clients](#) to view the client devices in your network. You can block devices so they cannot access your network, or set [Speed Limit](#) to limit their upload and download speeds.

Device Info		Real-time Rate	Tx/Rx Rate(Mbps)	Duration	Speed Limit	Block
	M2012K11AC PC: 5A:7F:6E:2B:1E IP: 192.168.1.104	↑ 0 Kbps ↓ 0 Kbps	721 / 50	1 min	—	
	W2K11AC PC: 6A:1E:6A:7B:4D IP: 192.168.1.105	↑ 2.8 Kbps ↓ 2.3 Kbps	—	1 min	—	

To limit the speeds of a device:

- Click in the [Speed Limit](#) column.
- Enable [Speed Limit](#).
- Set the download and upload speed limit according to your needs.
- Click [SAVE](#). The speeds of the device will be limited.



Chapter 7

Wireless Settings

This chapter guides you on how to configure the wireless settings.

It contains the following sections:

- [Specify Wireless Settings](#)
- [Schedule Your Wireless Function](#)
- [Use WPS for Wireless Connection](#)
- [Advanced Wireless Settings](#)

7.1. Specify Wireless Settings

The router's wireless network names (SSIDs), password, and security option are preset in the factory. The preset SSIDs and password can be found on the label of the router. You can customize the wireless settings according to your needs.

1. Visit <http://tplinkwifi.net>, and log in with your TP-Link ID or the password you set for the router.
2. Go to [Wireless](#) or [Advanced](#) > [Wireless](#) > [Wireless Settings](#).

Wireless Settings

Personalize settings for each band or enable Smart Connect to configure the same settings for 2.4GHz and 5GHz bands.

TWT ☐ Enable ?

OFDMA/MIMO: Disable

Smart Connect ☐ Enable ?

2.4GHz ☒ Enable [Share Network](#)

Network Name (SSID): TP-Link_ ☐ Hide SSID

Security: WPA2-PSK(AES)

Password: 12345678

Transmit Power: High

Channel Width: 20/40MHz

Channel: Auto

Mode: 802.11b/g/n/ax/be mixed

5GHz-1 ☒ Enable [Share Network](#)

Network Name (SSID): TP-Link_5G_1 ☐ Hide SSID

Security: WPA2-PSK(AES)

Password: 12345678

Transmit Power: High

Channel Width: 20/40/80MHz

Channel: Auto

Mode: 802.11a/n/ac/ax/be mixed

5GHz ☒ Enable ? [Share Network](#)

Network Name (SSID): TP-Link_5G ☐ Hide SSID

Security: WPA3-Personal

Version: WPA3-SAE

Password: 12345678

Transmit Power: High

Channel Width: 20/40/80/160/320MHz

Channel: ☒ Enable PSC ?

Auto

Mode: 802.11a/b/e mixed

- To enable or disable OFDMA:

OFDMA enables multiple users to transmit data simultaneously, and thus greatly improves speed and efficiency. Note that only when your clients also support OFDMA, can you fully enjoy the benefits. It is disabled by default.

1. Go to [Advanced](#) > [Wireless](#) > [Wireless Settings](#).

2. Enable [OFDMA+MU-MIMO](#) or [OFDMA only](#).

- **To enable or disable TWT:**

TWT (Target Wake Time) allows 802.11ax routers 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 extends their battery life. It is disabled by default.

1. Go to [Advanced](#) > [Wireless](#) > [Wireless Settings](#).

2. Enable [TWT](#).

- **To use the Smart Connect function:**

Smart Connect combines the 2.4 GHz and 5 GHz bands and assigns your devices between them to balance network demands, while leaving the brand-new 6 GHz band exclusive for your Wi-Fi 6E devices to unleash the most out of the latest Wi-Fi.

1. Go to [Advanced](#) > [Wireless](#) > [Wireless Settings](#).

2. Enable [Smart Connect](#).



3. Keep the default values or set a new SSID and password, and click [SAVE](#). This SSID and password will be applied for the 2.4 GHz and 5 GHz wireless networks. If you want to configure the wireless settings separately for each band, deselect the checkbox to disable this feature.

- **To enable or disable the wireless function:**

1. Go to [Wireless](#) or [Advanced](#) > [Wireless](#) > [Wireless Settings](#).

2. The wireless bands are enabled by default. If you want to disable a wireless band, just deselect its [Enable](#) checkbox.

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

1. Go to [Wireless](#) or [Advanced](#) > [Wireless](#) > [Wireless Settings](#).

2. Create a new SSID in [Network Name \(SSID\)](#) and customize the password for the network in [Password](#). The value is case-sensitive.

Note: If you change the wireless settings with a wireless device, you will be disconnected when the settings are effective. Please write down the new SSID and password for future use.

- **To hide SSID:**

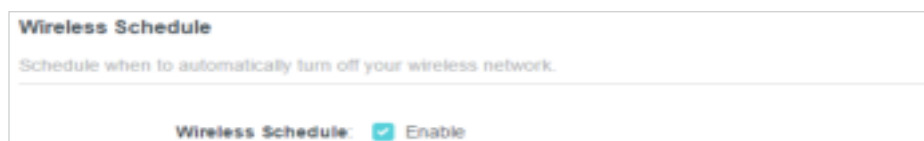
1. Go to [Wireless](#) or [Advanced](#) > [Wireless](#) > [Wireless Settings](#).
 2. Select [Hide SSID](#), and your SSID won't display when you scan for local wireless networks on your wireless device and you need to manually join the network.
- **To change the security option:**
 1. Go to [Advanced](#) > [Wireless](#) > [Wireless Settings](#).
 2. Select an option from the [Security](#) drop-down list. We recommend you don't change the default settings unless necessary.
 - **To change the transmit power:**
 1. Go to [Advanced](#) > [Wireless](#) > [Wireless Settings](#).
 2. Select an option from the [Transmit Power](#) drop-down list: [High](#), [Middle](#) or [Low](#). The default and recommended setting is [High](#).
 - **To change channel settings:**
 1. Go to [Advanced](#) > [Wireless](#) > [Wireless Settings](#).
 2. Select a [Channel Width](#) (bandwidth) for the wireless network. It is recommended to just leave it as default.
 3. Select an operating [Channel](#) for the wireless network. It is recommended to leave the channel to [Auto](#) if you are not experiencing the intermittent wireless connection issue.

For the 6 GHz network, you can select the [Enable PSC](#) checkbox. When PSC (Preferred Scanning Channel) is enabled, only channels with higher connectivity will be reserved to ensure 6 GHz device connections.
 - **To change the transmission mode:**
 1. Go to [Advanced](#) > [Wireless](#) > [Wireless Settings](#).
 2. For the 2.4 GHz and 5 GHz networks, disable [SmartConnect](#), then select a transmission [Mode](#) according to your wireless client devices. It is recommended to just leave it as default.

7.2. Schedule Your Wireless Function

The wireless network can be automatically off at a specific time when you do not need the wireless connection.

1. Visit <http://tplinkwifi.net>, and log in with your TP-Link ID or the password you set for the router.
2. Go to [Advanced](#) > [Wireless](#) > [Wireless Schedule](#).
3. Enable the [Wireless Schedule](#) feature.

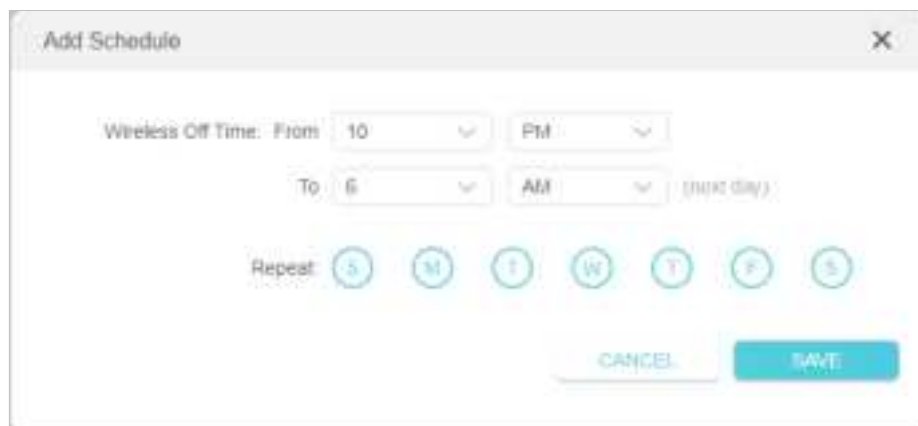


Wireless Schedule

Schedule when to automatically turn off your wireless network.

Wireless Schedule: ☒ Enable

4. Click [Add](#) to specify a wireless off period during which you need the wireless off automatically, and click [SAVE](#).



Add Schedule

Wireless Off Time: From 10 PM To 6 AM (next day)

Repeat: ☒ S ☒ M ☒ T ☒ W ☒ T ☒ F ☒ S

[CANCEL](#) [SAVE](#)

Note:

- The Effective Time Schedule is based on the time of the router. You can go to [Advanced](#) > [System](#) > [Time & Language](#) to modify the time.
- The wireless network will be automatically turned on after the time period you set.

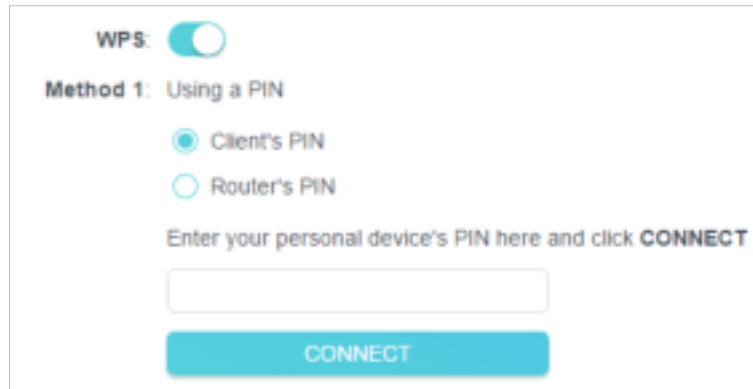
7.3. Use WPS for Wireless Connection

Wi-Fi Protected Setup (WPS) provides an easier approach to set up a security-protected Wi-Fi connection.

1. Visit <http://tplinkwifi.net>, and log in with your TP-Link ID or the password you set for the router.
2. Make sure the Wi-Fi of your router is on and go to [Advanced](#) > [Wireless](#) > [WPS](#).

7.3.1. Connect via the Client's PIN

Enter the PIN of your device and click [Connect](#). Then your device will get connected to the router.



WPS: ☒

Method 1: Using a PIN

☒ Client's PIN
☐ Router's PIN

Enter your personal device's PIN here and click **CONNECT**

CONNECT

7.3.2. Connect via the Router's PIN

Select [Router's PIN](#) in [Method 1](#) to enable [Router's PIN](#). You can use the default PIN or generate a new one.



Router's PIN: ☒

Enter the router's PIN on your personal device.
Router's PIN: **38337406**

GET NEW PIN

DEFAULT

Note:

PIN (Personal Identification Number) is an eight-character identification number preset to each router. WPS supported devices can connect to your router with the PIN. The default PIN is printed on the label of the router.

7.3.3. Push the WPS Button

Click [Start](#) on the screen or directly press the router's WPS button. Within two minutes, enable WPS on your personal device. [Success](#) will appear on the screen and the WPS LED of the router should change from flashing to solid on, indicating successful WPS connection.

Method 2: Using the button below

Click the button below, then enable WPS on your personal device within 2 minutes.

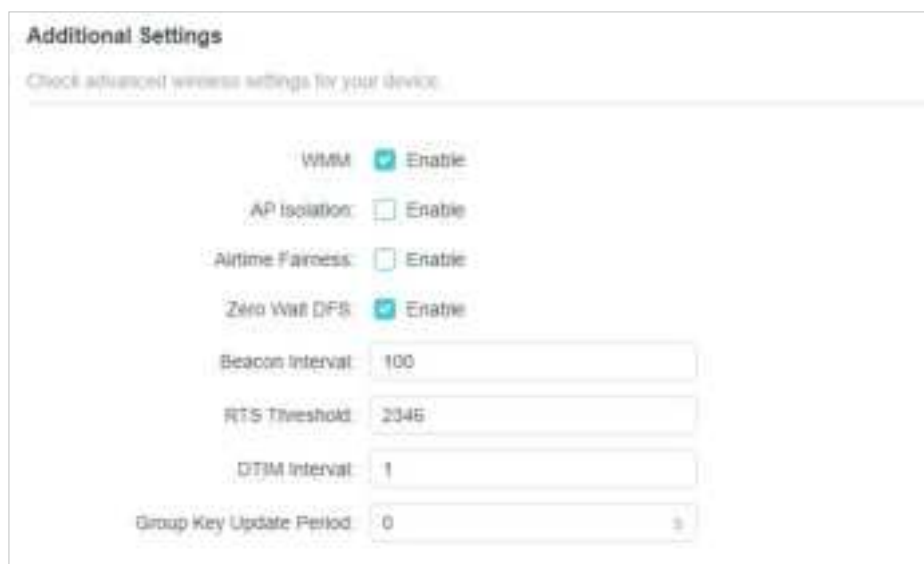
**Method 3:** Using the router's WPS button

Press the router's WPS button, then enable WPS on your personal device within 2 minutes.

7.4. Advanced Wireless Settings

Check advanced wireless settings for your device.

1. Visit <http://tplinkwifi.net>, and log in with your TP-Link ID or the password you set for the router.
2. Go to [Advanced](#) > [Wireless](#) > [Additional Settings](#).
3. Configure advanced wireless settings.



Additional Settings

Check advanced wireless settings for your device.

WMM ☒ Enable

AP Isolation: ☐ Enable

Airtime Fairness: ☐ Enable

Zero Wait DFS ☒ Enable

Beacon Interval:

RTS Threshold:

DTIM Interval:

Group Key Update Period:

- **WMM** - WMM function can guarantee the packets with high-priority messages being transmitted preferentially.

- **AP Isolation** - This function isolates all connected wireless stations so that wireless stations cannot access each other through WLAN.
- **Airtime Fairness** - This function can improve the overall network performance by sacrificing a little bit of network time on your slow devices.
- **Zero Wait DFS** - Zero Wait DFS (Dynamic Frequency Selection) allows the router to immediately reselect a new channel once the radar signal is detected on a channel allocated to radar devices to ensure lag-free network experience.
- **Beacon Interval** - Enter a value between 40 and 1000 in milliseconds to determine the duration between beacon packets that are broadcasted by the router to synchronize the wireless network. The default value is 100 milliseconds.
- **RTS Threshold**- Enter a value between 1 and 2346 to determine the packet size of data transmission through the router. By default, the RTS (Request to Send) Threshold size is 2346. If the packet size is greater than the preset threshold, the router will send RTS frames to a particular receiving station and negotiate the sending of a data frame.
- **DTIM Interval** - The value determines the interval of DTIM (Delivery Traffic Indication Message). Enter a value between 1 and 15 intervals. The default value is 1, which indicates the DTIM Interval is the same as Beacon Interval.
- **Group Key Update Period** - Enter a number of seconds (minimum 30) to control the time interval for the encryption key automatic renewal. The default value is 0, meaning no key renewal.

Chapter 8

Guest Network

This function allows you to provide Wi-Fi access for guests without disclosing your main network. When you have guests in your house, apartment, or workplace, you can create a guest network for them. In addition, you can customize guest network options to ensure network security and privacy.

It contains the following sections:

- [Create a Network for Guests](#)
- [Customize Guest Network Options](#)

8.1. Create a Network for Guests

1. Visit <http://tplinkwifi.net>, and log in with your TP-Link ID or the password you set for the router.
2. Go to **Advanced** > **Wireless** > **Guest Network** or click **Wireless** on the top page. Locate the **Guest Network** section.
3. Create a guest network as needed.
 - 1) Tick the Enable checkbox for the 2.4GHz, 5 GHz-1, 5GHz-2 or 6GHz wireless network.
 - 2) Customize the SSID. Don't select **Hide SSID** unless you want your guests to manually input the SSID for guest network access.
 - 3) Enable Bandwidth Control if you want to limit the network speed of your guests. Then enter the limited bandwidth value.
 - 4) Set the effective time to keep the guest network.
 - 5) Select the **Security** type and customize your own password. If **No security** is selected, no password is needed to access your guest network.

The screenshot shows the 'Guest Network' configuration interface. At the top, it says 'Guest Network' and 'Enable the wireless bands you want your guests to use and complete the related information.' Below this, there are several sections:

- 2.4GHz:** A checkbox labeled 'Enable' is checked. To the right is a link 'Share Network'.
- Network Name (SSID):** A text box contains 'TP-Link Guest /1000'. To the right is a checkbox 'Hide SSID' which is unchecked.
- Bandwidth Control:** A checkbox labeled 'Enable' is checked.
- Download Bandwidth:** A text box contains '10' with 'Mbps' to the right.
- Upload Bandwidth:** A text box contains '2' with 'Mbps' to the right.
- 5GHz-1:** A checkbox labeled 'Enable' is unchecked. To the right is a link 'Share Network'.
- 5GHz-2:** A checkbox labeled 'Enable' is unchecked. To the right is a link 'Share Network'.
- 6GHz:** A checkbox labeled 'Enable' is unchecked. To the right is a link 'Share Network'.
- Effective Time:** A dropdown menu shows 'No Limit'.
- Security:** A dropdown menu shows 'No Security'. Below it is a warning: 'This security type is not considered secure. Consider selecting a more secure encryption.'

4. Click **SAVE**. Now your guests can access your guest network using the SSID and password you set!
5. You can also click **Sharing Network** to share the SSID and password to your guests.