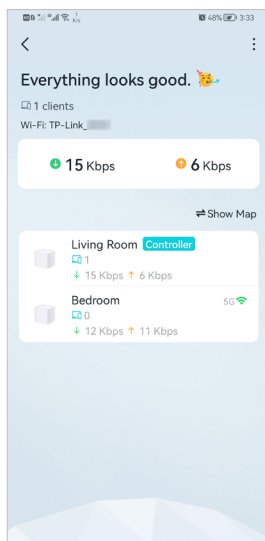
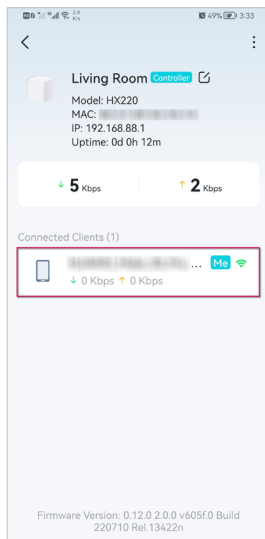



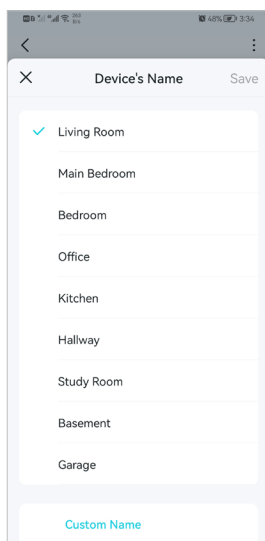
2. Tap a mesh device to check more details.



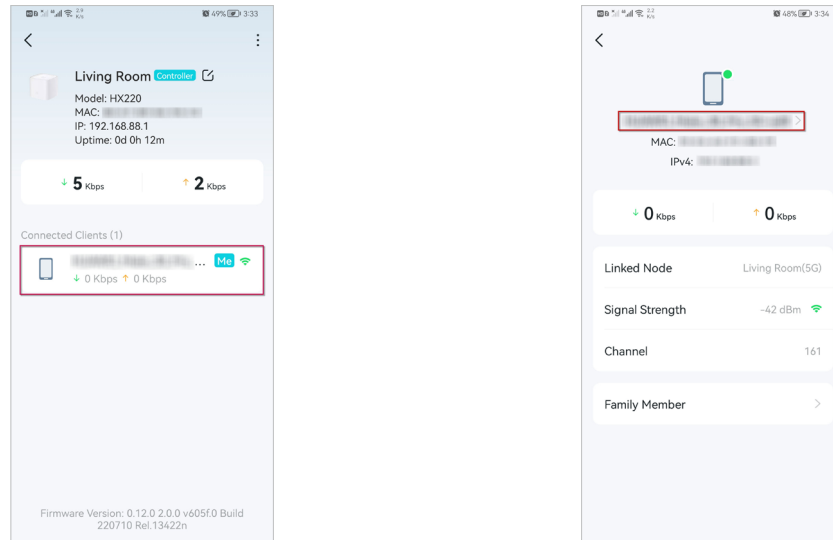
3. Check download/upload speed of the mesh device.



4. Tap  and change or customize the location/name of the mesh device.



5. Check the clients connected to the mesh device.



6. Tap the client's name. Change or customize client's information.


## 5.5. Remove/Reboot Mesh Devices

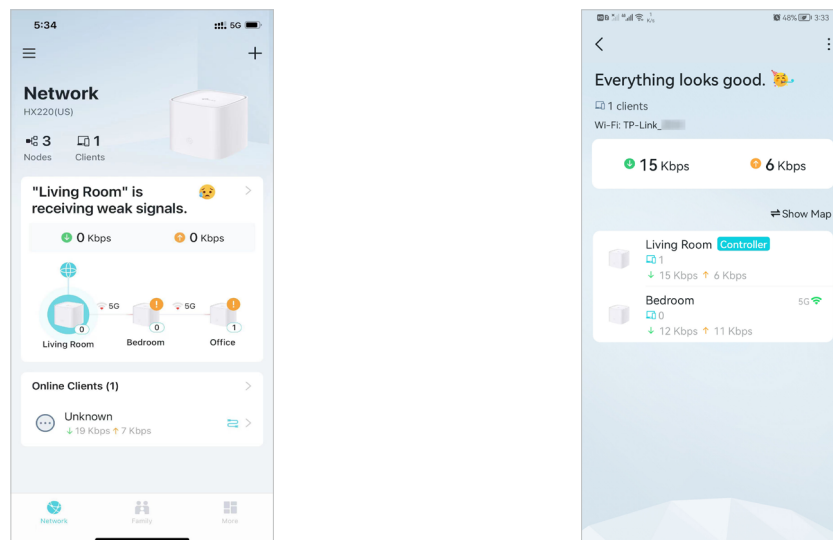
You can reset your mesh device to factory default settings or reboot your mesh device to clear cache and enhance running performance easily in the Aginet app. Follow the steps below.


### Note:

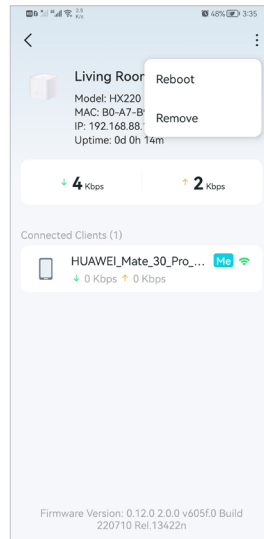
Rebooting your mesh device will keep the current settings on it.

Removing your mesh device will reset it to factory default settings and you will need to set up your mesh device again. You can also press and hold the Reset button for at least 5 second to quickly reset your mesh device to factory default settings.

In **Network**, tap . Select a mesh device.



7. Tap  to remove or reboot the mesh device.



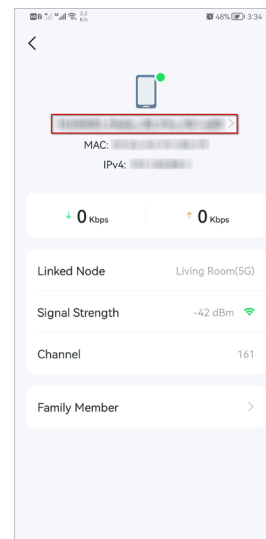
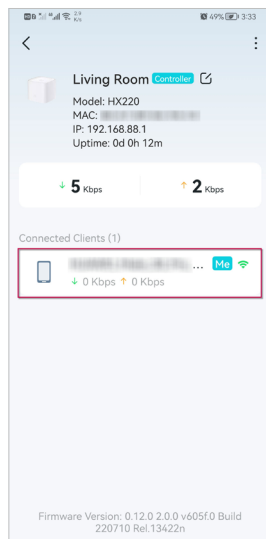
**Note:**

If the LED light of mesh device does not turn flashing blue after tapping **Remove**, press and hold the Reset button for at least 5 second to reset it.

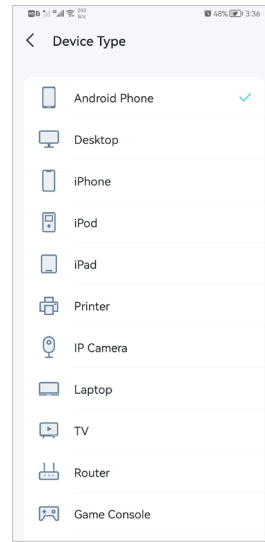
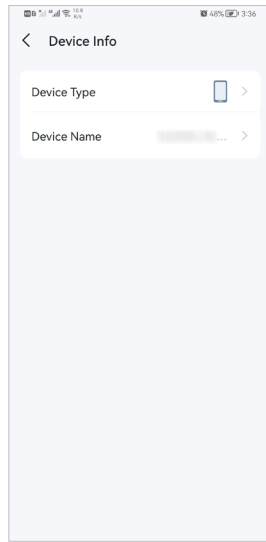
## 5.6. Manage Connected Devices

In **Network**, you can manage your connected devices easily, such as changing the device name and type.

1. Tap a connected device to check the details (e.g. real-time upload and download speeds, device name/profile, etc.).



2. Change the **Device Type** and **Device Name** as needed.

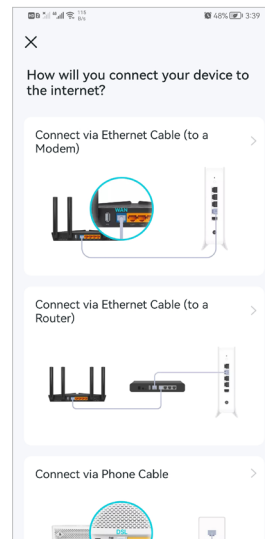
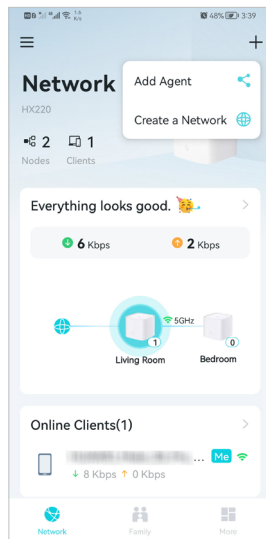


## 5.7. Create a New Network

In the Aginet app, you can create different mesh networks with your TP-Link ID and manage them conveniently from the Aginet app with one account. You can also help family or friends manage their networks with your Aginet app. Two methods are provided as below to create a new network.

Method 1. Create a new network from the Overview page

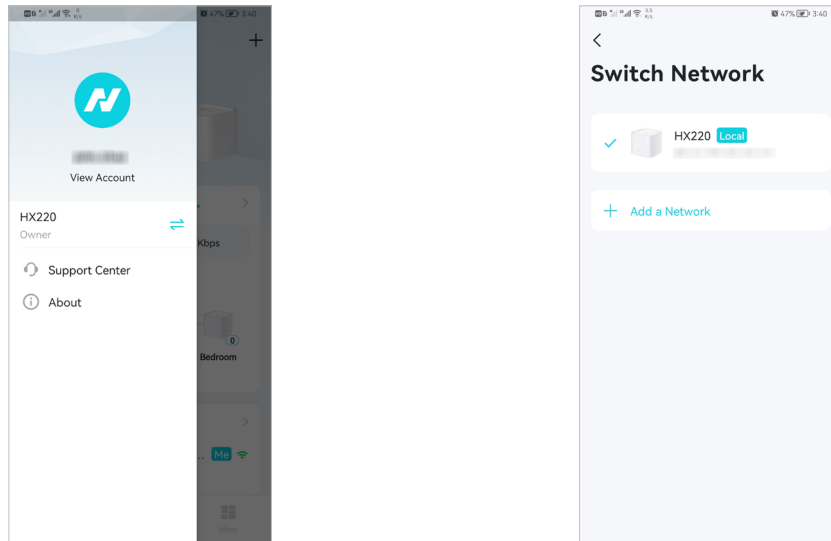
1. Tap **+** > [Create a Network](#).
2. Then follow app instructions to complete the setup.



Method 2. Create a new network from the Menu page

1. Tap **☰** to open the menu. Tap **⇌** > [Add a Network](#).

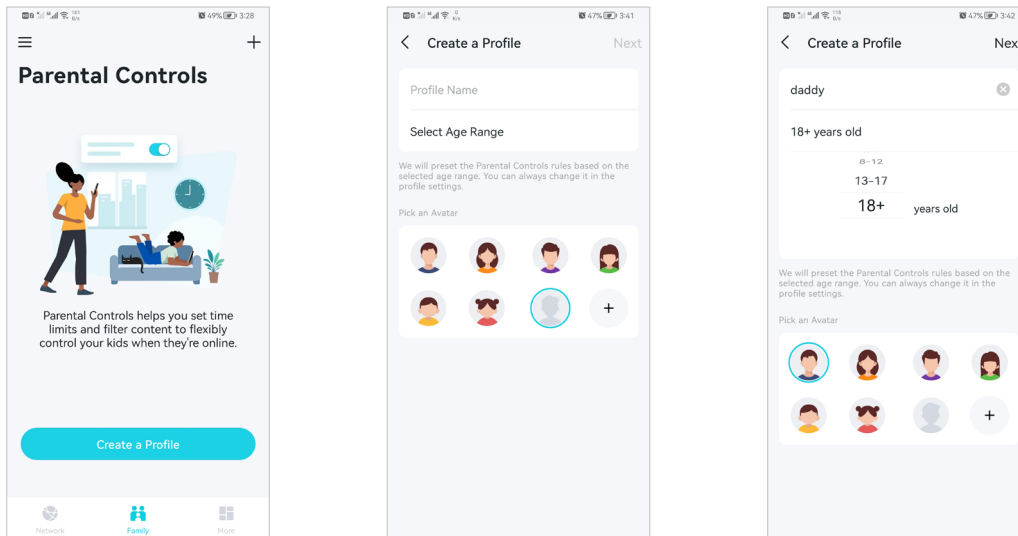
2. Then follow app instructions to complete the setup.

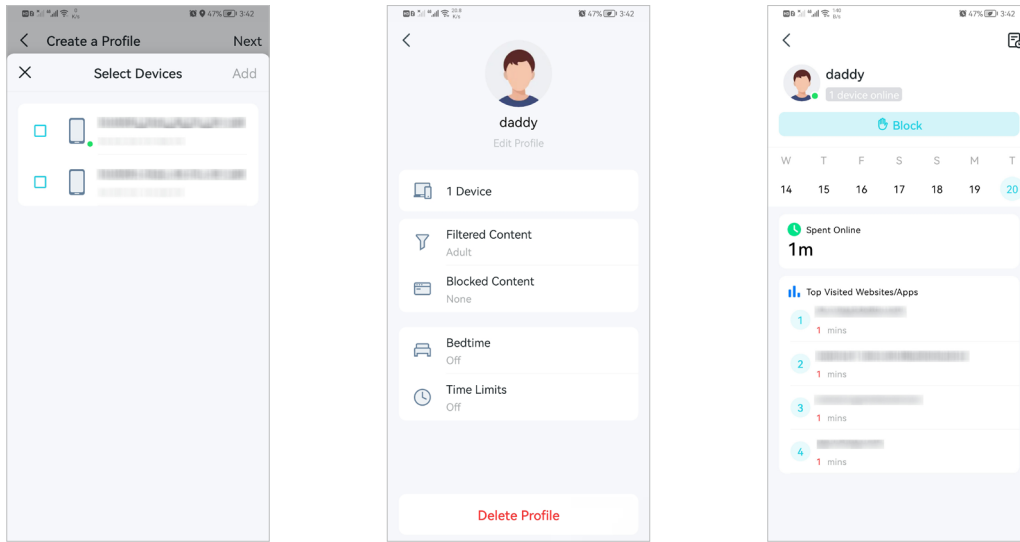


## 5.8. Parental Controls

Parental Controls helps you set time limits and filter content to flexibly control your kids when they're online.

1. In **Family**, tap **Create a Profile**.
2. Then follow app instructions to complete the setup.

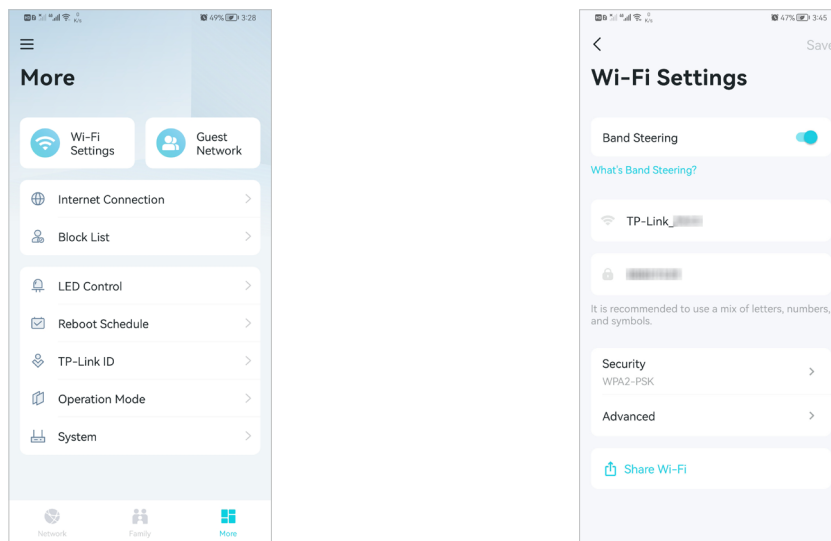




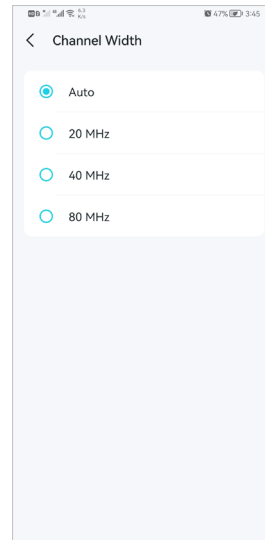
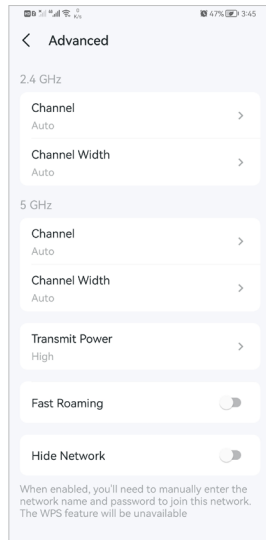
## 5.9. Wi-Fi Settings

You can change the network name and password of your main network at any time and share the network easily with family and friends.

1. In **More**, Tap **Wi-Fi Settings**.



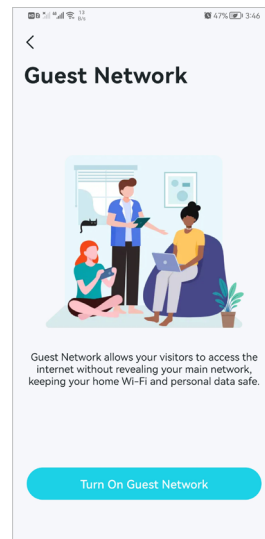
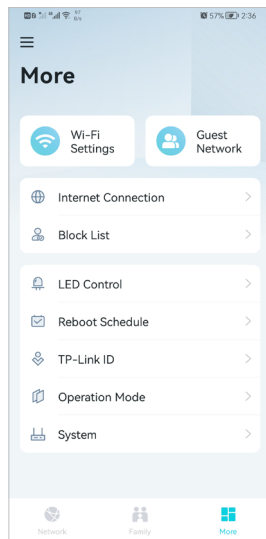
2. Manage main network (e.g. change your main network's Wi-Fi name and password, hide the network from Wi-Fi list, etc.).
3. Tap **Advanced**. For better Wi-Fi performance, set the channel width for 2.4GHz and 5GHz Wi-Fi as needed. (It is recommended to use the default settings.)



## 5.10. Guest Network

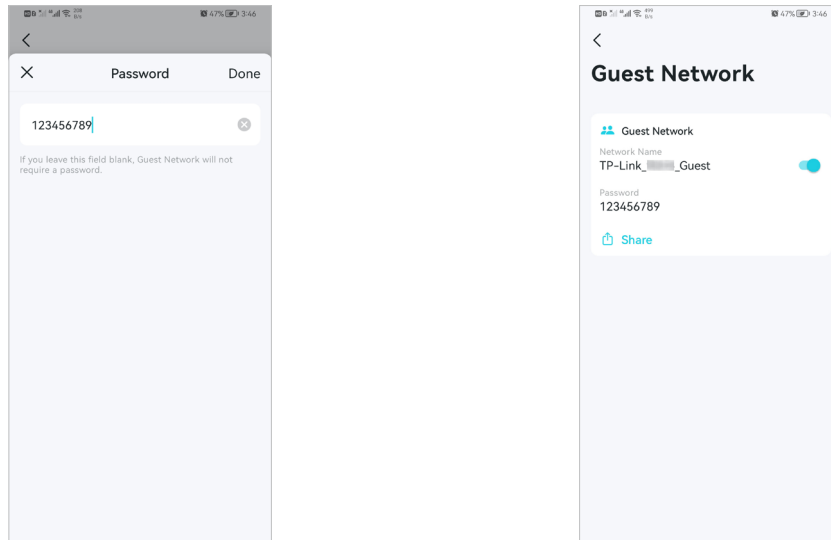
You can create and share a separate network for guests to guarantee the security and privacy of your main network.

1. In **More**, Tap **Guest Network**.



2. Set a Wi-Fi name and password for the guest network.

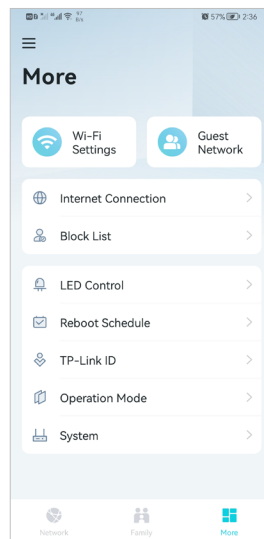




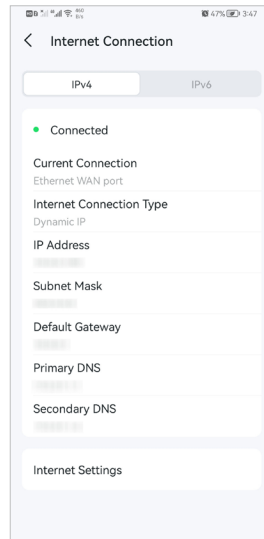
## 5.11. Internet Connection

In Internet Connection, You can modify WAN settings (IPv4 & IPv6), enable MAC Clone mode.

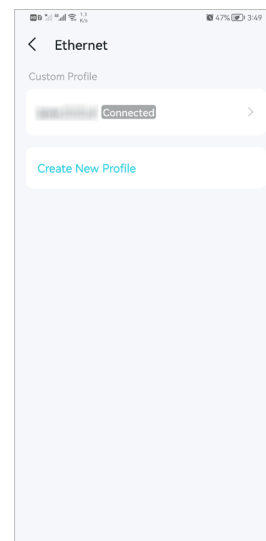
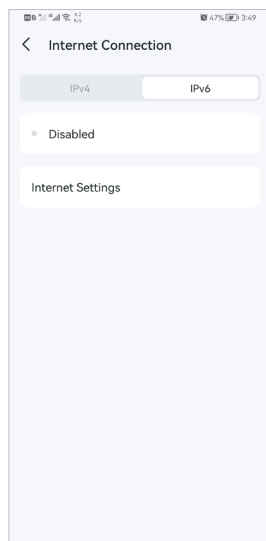
1. In **More**, Tap **Internet Connection**.

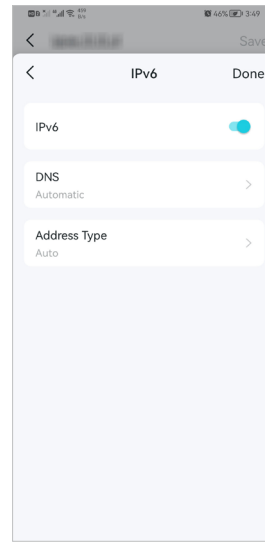
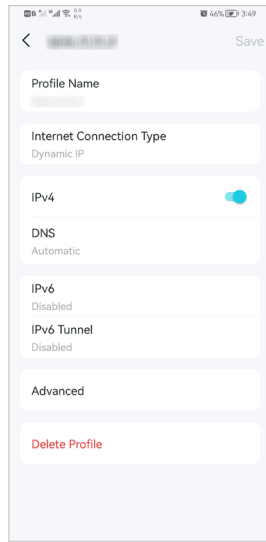


2. View **IPv4** details or change the internet connection type.



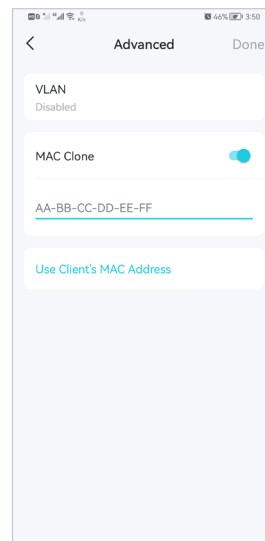
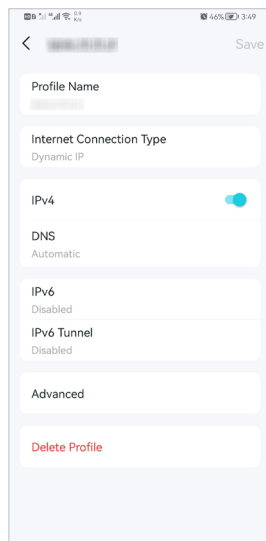
3. Enable **IPv6** to set up an IPv6 internet connection.





#### 4. Tap **Advanced** and enable **MAC Clone** as needed.

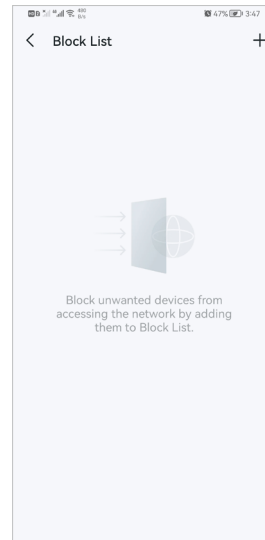
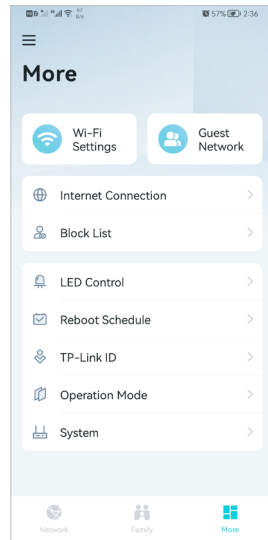
Tip: For more about MAC Clone, refer to <https://www.tp-link.com/support/faq/2925/>



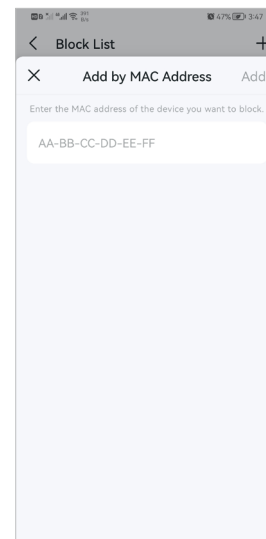
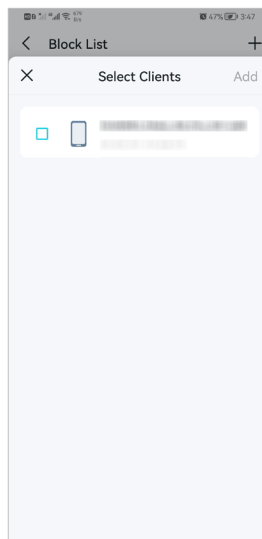
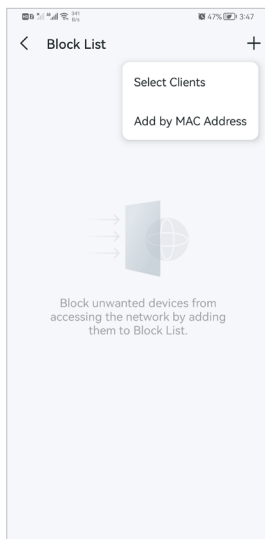
## 5. 12. Block List

Add devices to the block list to prevent the devices from accessing your network, ensuring the safety of your personal information shared in the network.

### 1. In **More**, Tap **Block List**.



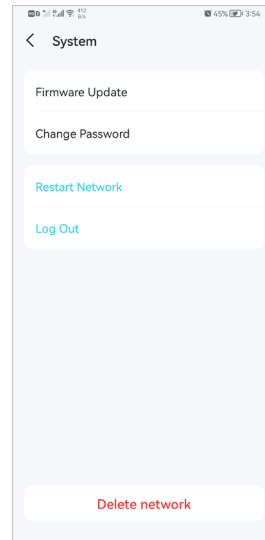
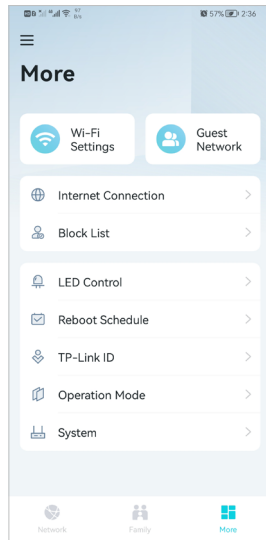
2. Tap + and add clients or other devices to the block list.



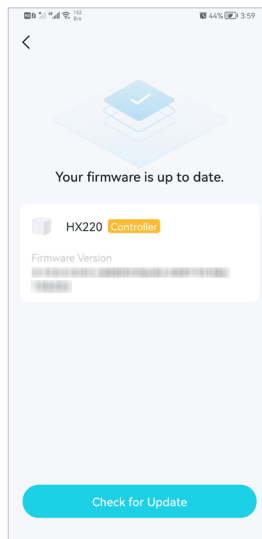
## 5. 13. Upgrade Your Mesh Device

TP-Link is dedicated to improving product features and providing a better customer experience. An up-to-date firmware provides better and more stable network performance. Always update your mesh device to the latest firmware version when prompted in the Aginet app.

1. In **More**, Tap **System** and **Firmware Update**.



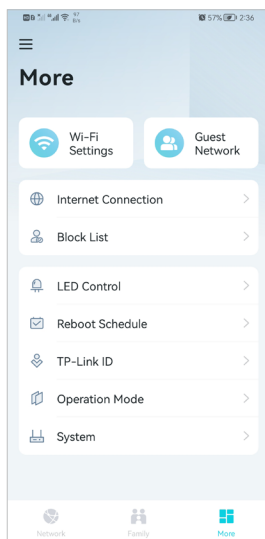
2. Download and install the firmware (if any) and follow app instructions to update your mesh device to the latest version.



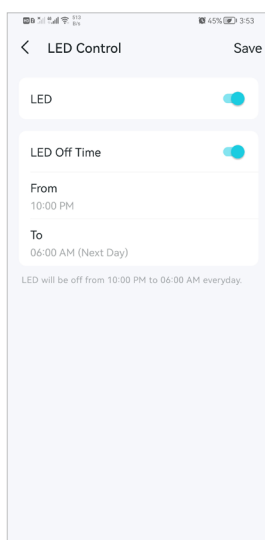
## 5. 14. Advanced Features

Additional features are available under the Advanced menu. You can control mesh device's LED, enable reboot schedule, bind your TP-Link ID, change the operation mode, configure system settings.

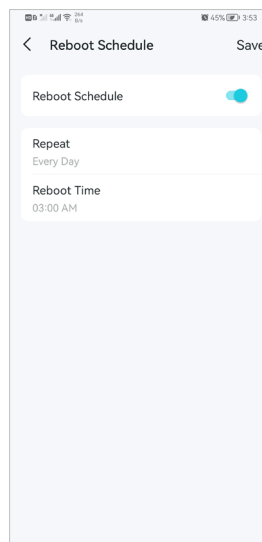
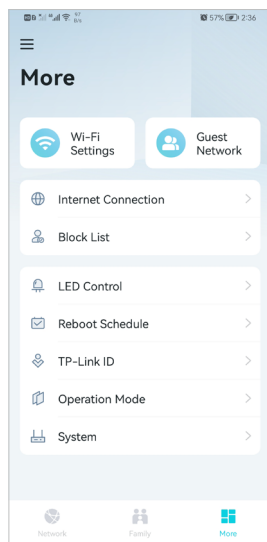
1. In **More**, Tap **LED Control**.



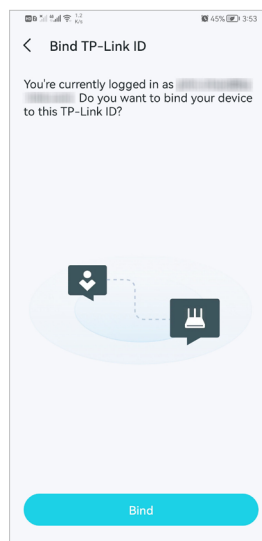
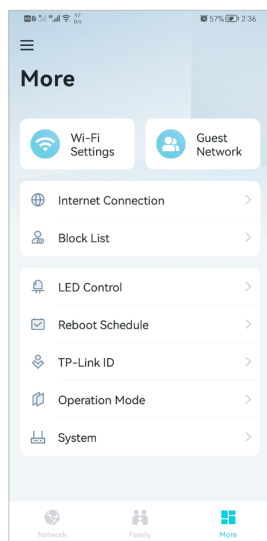
2. Toggle off **LED** to turn off the light on mesh device. Configure the **LED Off Time** to turn off the LED light at bedtime only.



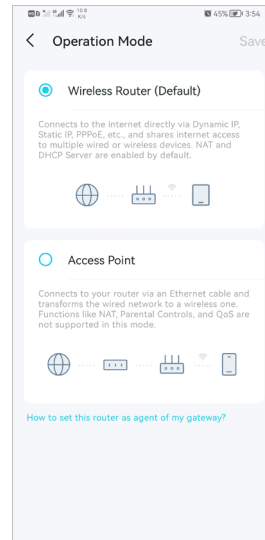
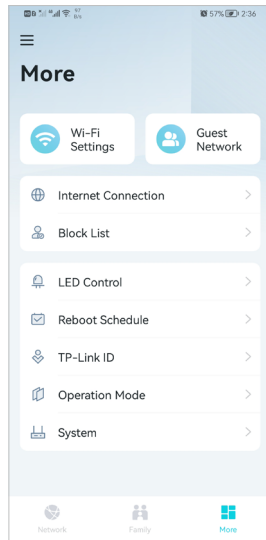
3. Enable **Reboot Schedule** as needed.



#### 4. Bind your TP-Link ID.



#### 5. Change the Operation Mode as needed.





## Chapter 6

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# Customize Your Network Settings

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This chapter introduces how to change the default settings or adjust the basic configuration of the mesh device using the web management page.

It contains the following sections:

- [Configure LAN Settings](#)
- [Configure IPv6 LAN Settings](#)
- [Set Up a Dynamic DNS Service Account](#)
- [Create Static Routes](#)
- [RIP Settings](#)
- [Specify Wireless Settings](#)
- [Schedule Your Wireless Function](#)
- [Use WPS for Wireless Connection](#)

## 6.1. Configure LAN Settings

### 6.1.1. Change the LAN IP Address

The mesh device is preset with a default LAN IP 192.168.88.1, which you can use to log in to its 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 in your local network or your network requires a specific IP subnet, you can change it.

Follow the steps below to change your IP address.

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to [Advanced](#) > [Network](#) > [LAN Settings](#) page and select **IPv4**.

DHCP Server		IPv4	IPv6
MAC Address:	B0:A7:B9:84:99:A8		
IP Address:	192 . 168 . 88 . 1		
Subnet Mask:	255.255.255.0		
IGMP Snooping:	<input checked="" type="checkbox"/> Enable		
Second IP:	<input type="checkbox"/> Enable		
DHCP:	<input checked="" type="checkbox"/> Enable		

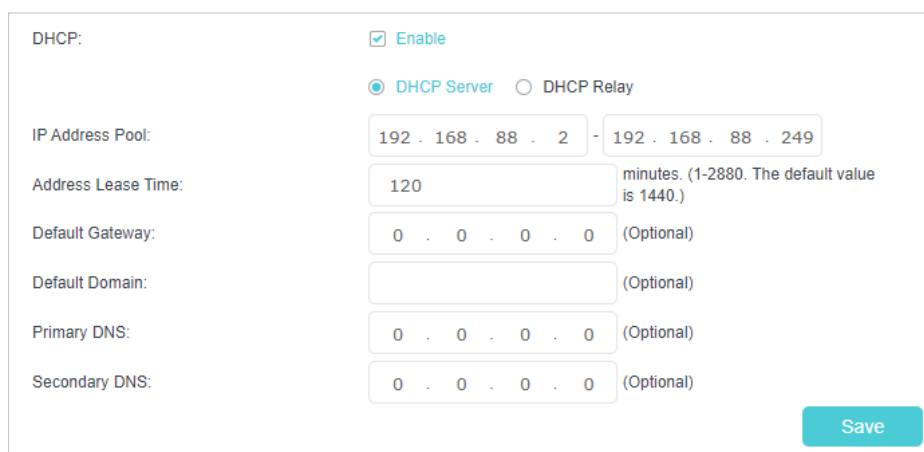
3. Enter a new **IP Address** appropriate to your needs.
4. Select the **Subnet Mask** from the drop-down list. The subnet mask together with the IP address identifies the local IP subnet.
5. Keep **IGMP Snooping** enabled by default. IGMP snooping is the process of listening to IGMP (Internet Group Management Protocol) network traffic. The function prevents hosts on a local network from receiving traffic for a multicast group they have not explicitly joined.
6. You can configure the mesh device's **Second IP** and **Subnet Mask** for LAN interface through which you can also access the web management page.
7. Keep the rest settings as the default settings.
8. Click **Save** to make the settings effective.

## 6.1.2. Use the Mesh Device as a DHCP Server

You can configure the mesh device to act as a DHCP server to assign IP addresses to its clients. To use the DHCP server function of the mesh device, you must configure all computers on the LAN to obtain an IP Address automatically.

Follow the steps below to configure DHCP server.

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to [Advanced](#) > [Network](#) > [LAN Settings](#) page and select IPv4.



DHCP:  Enable

DHCP Server  DHCP Relay

IP Address Pool: 192 . 168 . 88 . 2 - 192 . 168 . 88 . 249

Address Lease Time: 120 minutes. (1-2880. The default value is 1440.)

Default Gateway: 0 . 0 . 0 . 0 (Optional)

Default Domain: (Optional)

Primary DNS: 0 . 0 . 0 . 0 (Optional)

Secondary DNS: 0 . 0 . 0 . 0 (Optional)

Save

3. Enable [DHCP](#) function and select [DHCP Server](#).
4. Specify the [IP Address Pool](#), the start address and end address must be on the same subnet with LAN IP. The mesh device will assign addresses within this specified range to its clients. It is from 192.168.88.2 to 192.168.88.249 by default.
5. Enter a time duration in the [Address Lease Time](#) field. The [Address Lease Time](#) is the amount of time in which a DHCP client can lease its current dynamic IP address assigned by the mesh device. After the dynamic IP address expires, the user will be automatically assigned a new dynamic IP address.
6. Keep the rest settings as the default settings and click [Save](#).

**Note:**

1. The mesh device can be configured to work as a [DHCP Relay](#). A DHCP relay is a computer that forwards DHCP data between computers that request IP addresses and the DHCP server that assigns the addresses. Each of the device's interfaces can be configured as a DHCP relay. If it is enabled, the DHCP requests from local PCs will be forwarded to the DHCP server that runs on WAN side.
2. You can also appoint IP addresses within a specified range to devices of the same type by using [Condition Pool](#) feature. For example, you can assign IP addresses within the range (192.168.88.50 to 192.168.88.80) to Camera devices, thus facilitating the network management. Enable DHCP feature and configure the parameters according to your situation on the [Advanced](#) > [Network](#) > [LAN Settings](#) page.

### 6.1.3. Reserve LAN IP Addresses

You can view and add a reserved address for a client. When you specify an IP address for a device on the LAN, that device will always receive the same IP address each time when it accesses the DHCP server. If there are some devices in the LAN that require permanent IP addresses, please configure Address Reservation on the mesh device for the purpose.

Follow the steps below to reserve an IP address for your devices.

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to [Advanced](#) > [Network](#) > [LAN Settings](#) page, and select [IPv4](#).
3. Scroll down to the [Address Reservation](#) section, and click [Add](#) to add an address reservation entry for your device.

The screenshot shows the 'Address Reservation' configuration interface. At the top, there are '+ Add' and '- Delete' buttons. Below is a table with the following columns: a checkbox, 'MAC Address', 'Reserved IP Address', 'Group', 'Enable', and 'Modify'. The table currently contains one row with dashes in all cells. Below the table, there are input fields for 'MAC Address' (with a 'Scan' button), 'IP Address', and 'Group' (set to 'Default'). There is a checked checkbox for 'Enable This Entry' and 'Cancel' and 'OK' buttons at the bottom.

4. Enter the [MAC Address](#) of the device for which you want to reserve IP address.
5. Specify the [IP address](#) which will be reserved by the mesh device.
6. Select the [Enable This Entry](#) check box and click [OK](#) to make the settings effective.

## 6.2. Configure IPv6 LAN Settings

Based on the IPv6 protocol, the mesh device provides two ways to assign IPv6 LAN addresses:

- Configure the RADVD (Mesh Device Advertisement Daemon) address type
- Configure the DHCPv6 Server address type

### 6.2.1. Configure the RADVD Address Type

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to [Advanced](#) > [Network](#) > [LAN Settings](#).
3. Select [IPv6](#) to configure IPv6 LAN parameters.

DHCP Server IPv4 **IPv6**

Group: Default

Address Type:  RADVD  DHCPv6 Server

Enable RDNSS  Enable

Enable ULA Prefix  Enable

Site Prefix Type:  Delegated  Static

WAN Connection: No available interface

[Save](#)

- 1) Select [RADVD](#) as the address type to make the mesh device assign IPv6 address prefixes to hosts.

**Note:**

Do not select the [Enable RDNSS](#) and [Enable ULA Prefix](#) check boxes unless required by your ISP. Otherwise you may not be able to access the IPv6 network. For more information about RDNSS and ULA Prefix, contact our technical support.

- 2) Keep [Site Prefix Type](#) as the default setting [Delegated](#). If your ISP has provided a specific IPv6 site prefix, select [Static](#) and enter the prefix.
  - 3) Keep [WAN Connection](#) as the default settings.
4. Click [Save](#) to make the settings effective.

### 6.2.2. Configure the DHCPv6 Server Address Type

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to [Advanced](#) > [Network](#) > [LAN Settings](#).
3. Select [IPv6](#) to configure IPv6 LAN parameters.

DHCP Server IPv4 | IPv6

Group: Default

Address Type:  RADVD  DHCPv6 Server

Starting IPv6 Address: :: 1 (1~FFFE)

Ending IPv6 Address: :: FFFE (1~FFFE)

Address Lease Time: 7200 seconds

Site Prefix Type:  Delegated  Static

WAN Connection: No available interface

[Save](#)

- 1) Select **DHCPv6 Server** as the address type to make the mesh device assign IPv6 addresses to hosts.
  - 2) Specify the **Starting/Ending IPv6 Address** for the IPv6 suffixes. The mesh device will generate IPv6 addresses within the specified range.
  - 3) Keep **Address Lease Time** as the default setting.
  - 4) Keep **Site Prefix Type** as the default value **Delegated**. If your ISP has provided a specific IPv6 site prefix, select **Static** and enter the prefix.
  - 5) Keep **WAN Connection** as the default setting.
4. Click **Save** to make the settings effective.

### 6.3. Set Up a Dynamic DNS Service Account

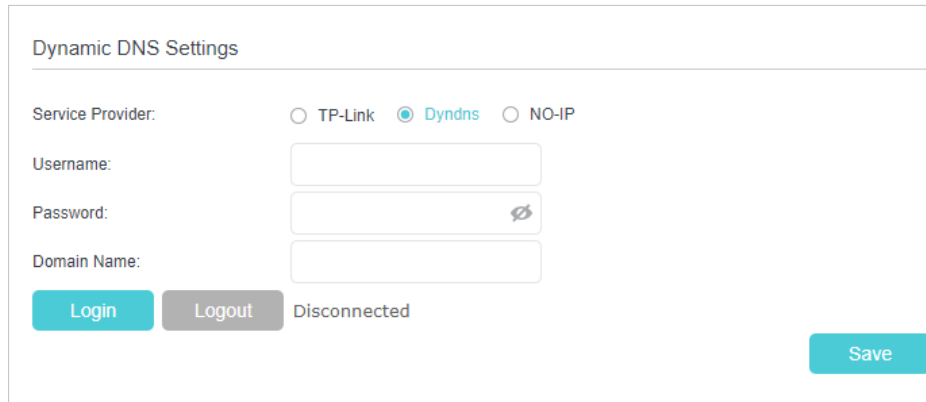
Most ISPs (Internet service providers) assign a dynamic IP address to the mesh device and you can use this IP address to access your mesh device remotely. However, the IP address can change any time and you don't know when it changes. In this case, you might need the DDNS (Dynamic Domain Name Server) feature on the mesh device to allow you and your friends to access your mesh device and local servers (FTP, HTTP, etc.) using domain name, in no need of checking and remembering the IP address.

**Note:** DDNS does not work if the ISP assigns a private WAN IP address (such as 192.168.1.x) to the mesh device.

To set up DDNS, please follow the instructions below:

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to **Advanced > Network > Dynamic DNS**.
3. Select the **Service Provider** (TP-Link/Dyndns/NO-IP).


4. Log in with your DDNS account, select a service provider. Enter the username, password and domain name of the account (such as lisa.ddns.net).



Dynamic DNS Settings

Service Provider:  TP-Link  DynDNS  NO-IP

Username:

Password:  

Domain Name:

Disconnected

5. Click [Log in](#) and [Save](#).

 **Tips:** If you want to use a new DDNS account, please log out first, then log in with the new account.

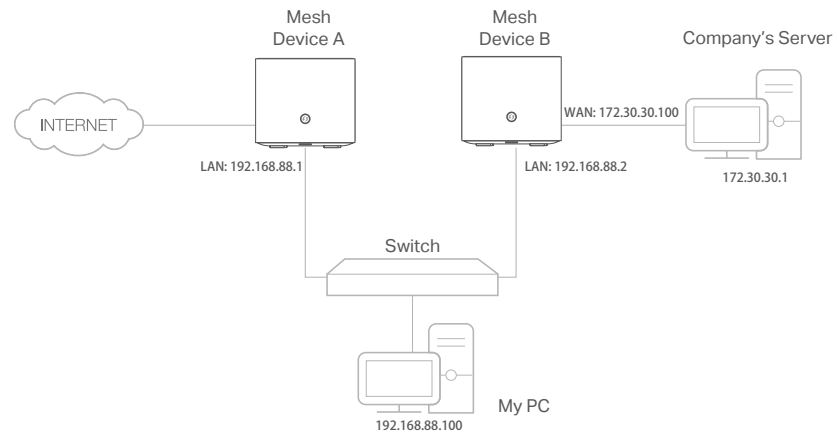
## 6.4. Create Static Routes

A static route is a pre-determined path that network information must travel to reach a specific host or network. Data from one point to another will always follow the same path regardless of other considerations. Normal internet usage does not require this setting to be configured.

### I want to:

Visit multiple networks and multiple servers at the same time.

**For example,** in a small office, my PC can surf the internet through Mesh Device A, but I also want to visit my company's network. Now I have a switch and another Mesh Device B. I connect the devices as shown in the following image so that the physical connection between my PC and my company's server is established. To surf the internet and visit my company's network at the same time, I need to configure the static routing.



## How can I do that?

1. Make sure the mesh devices use different LAN IP addresses on the same subnet. Disable Mesh Device B's DHCP function.
2. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the Mesh Device A.
3. Go to **Advanced > Network > Static Routing**. Select your current **WAN Interface** and click **Save**.

Default Gateway Settings IPv4 | IPv6

---

Select a WAN interface as the system default gateway.

Select WAN Interface:  Save

---

Static Routing + Add - Delete

	ID	Network Destination	Subnet Mask	Gateway	Status	Modify
<input type="checkbox"/>	--	--	--	--	--	--

4. Click **Add** to add a new static routing entry. Finish the settings according to the following explanations:



Static Routing

<input type="checkbox"/>	ID	Network Destination	Subnet Mask	Gateway	Enable	Modify
--	--	--	--	--	--	--

Network Destination: 172 . 30 . 30 . 1  
 Subnet Mask: 255 . 255 . 255 . 255  
 Gateway: 192 . 168 . 88 . 2  
 Interface: ipoe\_0\_0\_d  
 Enable This Entry

Cancel OK

- **Network Destination:** The destination IP address that you want to assign to a static route. This IP address cannot be on the same subnet with the WAN IP or LAN IP of the Mesh Device A. In the example, the IP address of the company network is the destination IP address, so here we enter 172.30.30.1.
  - **Subnet Mask:** Determines the destination network with the destination IP address. If the destination is a single IP address, enter 255.255.255.255; otherwise, enter the subnet mask of the corresponding network IP. In the example, the destination network is a single IP, so here we enter 255.255.255.255.
  - **Gateway:** The IP address of the gateway device to which the data packets will be sent. This IP address must be on the same subnet with the mesh device's IP which sends out the data. In the example, the data packets will be sent to the LAN port of Mesh Device B and then to the Server, so the default gateway should be 192.168.88.2.
  - **Interface:** Determined by the port (WAN/LAN) that sends out the data packets. In the example, the data is sent to the gateway through the LAN port of Mesh Device A, so LAN should be selected.
5. Select the **Enable This Entry** check box to enable this entry.
  6. Click **Save** to make the settings effective.

**Done!**

Open a web browser on your PC. Enter the company server's IP address to visit the company network.

## 6.5. RIP Settings

To activate RIP for the WAN interface, select the desired RIP version and operation and place a check in the 'Enabled' checkbox. To stop RIP on the WAN Interface, uncheck the 'Enabled' checkbox. Click the 'Save' button to start/stop RIP and save the configuration.

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with your TP-Link ID or the password you set for the mesh device.
2. Go to [Advanced](#) > [Network](#) > [RIP Settings](#).
3. Configure RIP settings.

### RIP Settings

To activate RIP for the WAN interface, select the desired RIP version and operation and place a check in the 'Enabled' checkbox. To stop RIP on the WAN Interface, uncheck the 'Enabled' checkbox. Click the 'Save' button to start/stop RIP and save the configuration.

*NOTE: RIP cannot be configured on the WAN interface which has NAT enabled.*

MD5 Authentication:  [Enable](#)

MD5 Key ID 0:

MD5 Key ID 1:

[Save](#)

Interface	Version	AcceptRA	SendRA	Enabled	RipngEnabled	Modify
--	--	--	--	--	--	--

- [MD5 Authentication](#) - Enable MD5 Authentication to enhance the rip RA packets security.
- [MD5 Key ID 0](#) - Setting the MD5 Key ID 0 value.
- [MD5 Key ID 1](#) - Setting the MD5 Key ID 1 value.
- [Interface](#) - The WAN interface name of the RIP rule table's entry used in.
- [Version](#) - The RIP version (RIPv1/RIPv2) of the RIP rule table's entry used.
- [AcceptRA](#) - Enable it to make the RIP rule entry can accept the mesh device Advertisement.
- [SendRA](#) - Enable it to make the RIP rule entry can send the mesh device Advertisement.
- [Enabled](#) - Enable it to make the RIP rule entry active for IPv4.
- [RipngEnabled](#) - Enable it to make the RIP rule entry active for IPv6, which is also known as Ripng.
- [Modify](#) - Click here to modify the RIP rule entry.

## 6.6. Specify Wireless Settings

### 6.6.1. Change Basic Wireless Settings

The mesh device's wireless network name (SSID) and password, and security option are preset in the factory. The preset SSID and password can be found on the product label. You can customize the wireless settings according to your needs.

Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.

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

1. Go to [Basic](#) > [Wireless](#).
2. The wireless radio is enabled by default. If you want to disable the wireless function of the mesh device, just clear the [Enable](#) check boxes. In this case, all the wireless settings will be invalid.

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

1. Go to [Basic](#) > [Wireless](#).
2. Enter a new SSID (32 characters at most) in the [Network Name \(SSID\)](#) field and a new password in the [Password](#) field and click [Save](#). The SSID and password are case-sensitive.

📌 **Note:**

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

➤ **To hide SSID:**

1. Go to [Basic](#) > [Wireless](#).
2. Select [Hide SSID](#), and your SSID will not be broadcast. Your SSID won't display on your wireless devices when you scan for local wireless networks and you need to manually join the network.

➤ **To change the mode or channel:**

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

Mode:	<input type="text" value="802.11b/g/n mixed"/>
Channel:	<input type="text" value="Auto"/>
Channel Width:	<input type="text" value="Auto"/>
Transmit Power:	<input type="radio"/> Low <input type="radio"/> Middle <input checked="" type="radio"/> High
<input type="button" value="Save"/>	

2. Select the wireless network mode or channel and click [Save](#) to make the settings effective.

**Mode:** Select the desired transmission mode.

- 802.11b/g/n mixed: Select if you are using a mix of 802.11b, 11g, and 11n wireless clients.
- 802.11b/g/n/ax mixed: Select if you are using a mix of 802.11b, 11g, 11n and 11ax wireless clients.
- 802.11a/n/ac mixed: Select if you are using a mix of 802.11a, 11n, and 11ac wireless clients.
- 802.11a/n/ac/ax mixed: Select if you are using a mix of 802.11a, 11n, 11ac and 11ax wireless clients.

**Note:** When 802.11n only mode is selected, only 802.11n wireless stations can connect to the mesh device. It is strongly recommended that you select 802.11b/g/n mixed (for 2.4GHz) and 802.11a/n/ac/ax mixed (for 5GHz), and all of 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac, and 802.11ax wireless stations can connect to the mesh device.

**Channel:** Select the channel you want to use from the drop-down list. This field determines which operating frequency will be used. It is not necessary to change the wireless channel unless you notice interference problems with another nearby access point.

**Channel Width:** Select the channel width from the drop-down list. The default setting is [Auto](#), which can adjust the channel width for your clients automatically.

**Transmit Power:** Select Low, Middle, or High to specify the data transmit power. The default and recommended setting is [High](#).

➤ **To change the security option:**

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

Security: WPA2-PSK[AES]

Password: 90844195

Mode: 802.11b/g/n/ax mixed

Channel: Auto

Channel Width: Auto

Transmit Power:  Low  Middle  High

[Save](#)

2. Select an option from the [Security](#) drop-down list and configure the related parameters. The mesh device provides four options, No Security, WPA-PSK[TKIP]+WPA2-PSK[AES], WPA2-PSK[AES], WPA2-PSK[AES]+WPA3-Personal. WPA3 uses the newest standard and the security level is the highest. We recommend you don't change the default settings unless necessary.

3. Click [Save](#) to make the settings effective.

➤ **To enable network roaming:**

Network roaming helps devices choose better AP based on actual conditions to balance network demands. (For mesh devices, Band Steering is disabled by default.)

1. Go to [Advanced](#) > [Wireless](#) > [Wireless Settings](#).
2. Locate the [Band Steering](#) section, select the [Enable](#) check box to make the settings effective.



## 6.6.2. Advanced Wireless Settings

Advanced wireless settings are for those who want more network controls. You can follow the instructions below to configure your mesh device.

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for your mesh device.
2. Go to [Advanced](#) > [Wireless](#) > [Advanced Settings](#).

➤ **To change basic advanced settings:**

Locate the [Advanced Settings](#) section and configure the advanced settings according to the explanation below, and then click [Save](#).

- **Beacon Interval:** Enter a value between 40 and 1000 in milliseconds to determine the duration between which beacon packets are broadcast by the mesh device to synchronize the wireless network. The default is 100 milliseconds.

- **RTS Threshold:** Enter a value between 1 and 2347 to determine the packet size of data transmission through the mesh device. By default, the RTS (Request to Send) Threshold size is 2347. If the packet size is greater than the preset threshold, the mesh device sends Request to Send frames to a particular receiving station and negotiates the sending of a data frame, or else the packet will be sent immediately.
- **DTIM Interval:** Enter a value between 1 and 255 to determine the interval of the Delivery Traffic Indication Message (DTIM). 1 indicates the DTIM Interval is the same as **Beacon Interval**.
- **Group Key Update Period:** Enter the number of seconds to control the time interval for the encryption key automatic renewal. The default is 0, indicating no key renewal.
- **WMM:** This feature guarantees the packets with high-priority messages being transmitted preferentially. WMM is enabled compulsively under 802.11n or 802.11ac mode.
- **Short GI:** This feature is enabled by default and recommended to increase the data capacity by reducing the Guard Interval (GI) time.
- **AP Isolation:** Select this check box to enable the AP Isolation feature that allows you to confine and restrict all wireless devices on your network from interacting with each other, but still able to access the internet.
- **Air time fairness:** Select this checkbox to enable the Airtime Fairness(ATF) feature that allows you to optimize the throughput of each flow. The ATF traffic scheduler uses the per-destination airtime targets to balance airtime usage across flow destinations.
- **Fast Roaming (802.11r):** This feature allows a client device to roam quickly in environments implementing the WPA2 Enterprise security, by ensuring that the client device does not need to re-authenticate to the RADIUS server every time it roams from one access point to another. It's recommended that you keep the feature enabled for better roaming experiences.

■ **Note:**

If you are not familiar with the settings mentioned above, it's strongly recommended that you keep the provided default settings; otherwise it may result in lower wireless network performance.

➤ **To enable or disable WPS function:**

WPS (Wi-Fi Protected Setup) provides you with an easier approach to set up a security-protected Wi-Fi connection. This function is enabled by default, but if you do not need this function, clear the WPS **Enable** check box.

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for your mesh device.
2. Go to **Advanced > Wireless > WPS**.

The screenshot shows a web interface for configuring a router. It is divided into two main sections: 'Router PIN' and 'WPS Settings'.  
In the 'Router PIN' section, there is a heading 'Router PIN', a sub-heading 'Other devices can connect to this Router by WPS with the Router's PIN code.', and a toggle for 'Enable Router's PIN:' which is turned on. Below this, the 'Router's PIN:' is displayed as '02824260' in a text box, with 'Generate' and 'Default' buttons to its right.  
The 'WPS Settings' section has a heading 'WPS Settings' and a toggle for 'Enable WPS:' which is also turned on. This toggle is highlighted with a red rectangular box. Below the toggle, it says 'Select a setup method:' with two radio button options: 'Push Button (Recommended)' (which is selected) and 'PIN Number'. A note below reads 'Press the physical "push button" on the router or click the "Connect" button on this page.' There is a 'Connect' button and a message 'Failed to add the device!'.

➤ **To create multi-SSID network:**

The mesh device supports additional up to three multi-SSID wireless networks for client access in each wireless band. You can specify the access and security settings to ensure network security and privacy according to your situation.

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for your mesh device.
2. Go to [Advanced](#) > [Wireless](#) > [Multi-SSID](#).
  - 1) Locate the [Multi-SSID](#) section, and enable [2.4GHz](#) or [5GHz](#) to open the corresponding setup page.
  - 2) Select the [Enable MSSID 1](#) or [2](#) check box(es) to enable the corresponding multi-SSID network.

Multi-SSID 2.4GHz 5GHz

MSSID1:  Enable

Network Name (SSID):   Hide SSID

Security:

See each other:  Allow guests to see each other

USB Storage Sharing:  Allow guests to access my USB Storage Sharing

MSSID2:  Enable

Network Name (SSID):   Hide SSID

Security:

See each other:  Allow guests to see each other

USB Storage Sharing:  Allow guests to access my USB Storage Sharing

- 3) Enter a new **Network Name (SSID)** or use the default name, this field is case sensitive. Don't select **Hide SSID** unless you want your guests to manually input the SSID for Wi-Fi access.
- 4) Select the **Security** option for the multi-SSID network, **WPA/WPA2 Personal** is recommended, and you can set a password for the network.  

If you want to allow the clients in your Multi-SSID network to communicate with each other via methods such as Network Neighborhood and Ping, select the **Allow Guests to See Each Other** check box.

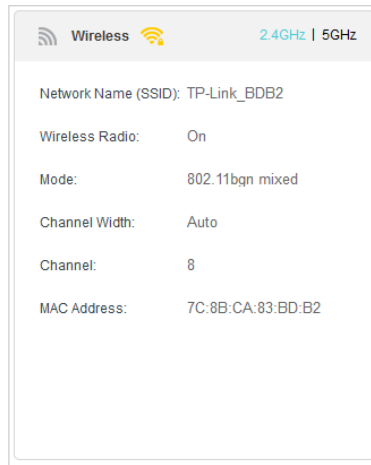
If you want to allow the clients in your Multi-SSID network to access your mesh device's USB storage sharing via methods such as Network Neighborhood and FTP, select the **Allow Guests to Access My USB Storage Sharing** check box.
- 5) Repeat step 1) to step 4) to set other wireless networks if needed, and click **Save** to make the settings effective.

### 6.6.3. View Wireless Information

➤ **To view the detailed wireless network settings:**

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to **Advanced > Status** page. You will find the **Wireless** panel.
3. Click **2.4GHz** or **5GHz** to view the wireless details.





🔗 **Tips:** You can also see the wireless details by clicking the mesh device icon on [Basic > Network Map](#).

➤ **To view the detailed information of the connected wireless clients:**

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to [Advanced > Wireless > Statistics](#) page.
3. You can view the detailed information of the wireless clients, including its connection type and security option as well as the packets transmitted.

🔗 **Tips:** You can also see the wireless details by clicking the wireless clients icon on [Basic > Network Map](#).

## 6.7. Schedule Your Wireless Function

You can automatically turn off your wireless networks when you do not need the wireless connection.

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to [Advanced > Wireless > Wireless Schedule](#).
3. Enable the [Wireless Schedule](#) function.

Wireless Schedule

Wireless Schedule:

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
0:00							
1:00							
2:00							
3:00							
4:00						■	
5:00						■	
6:00						■	
7:00							
8:00							
9:00							
10:00							
11:00			■				
12:00			■				
13:00					■		
14:00					■		
15:00					■		
16:00			■				
17:00			■				
18:00			■				
19:00			■				
20:00							
21:00							
22:00							
23:00							
24:00							

■ Wi-Fi Off

Restore Save

4. Click [Add](#) to set the [Wireless Off Time](#), and click [Save](#) to make the settings effective.

**Note:**

1. Make sure that the time of the mesh device is correct before using this function. For details, refer to [Set System Time](#).
2. The wireless LED will turn off if the corresponding wireless network is disabled.
3. The wireless network will be automatically turned on after the time period you set.

## 6.8. Use WPS for Wireless Connection

You can use WPS (Wi-Fi Protected Setup) to add a new wireless device to your existing network quickly and easily.

### Method 1: Use the WPS button

Use this method if your client device has a WPS button.

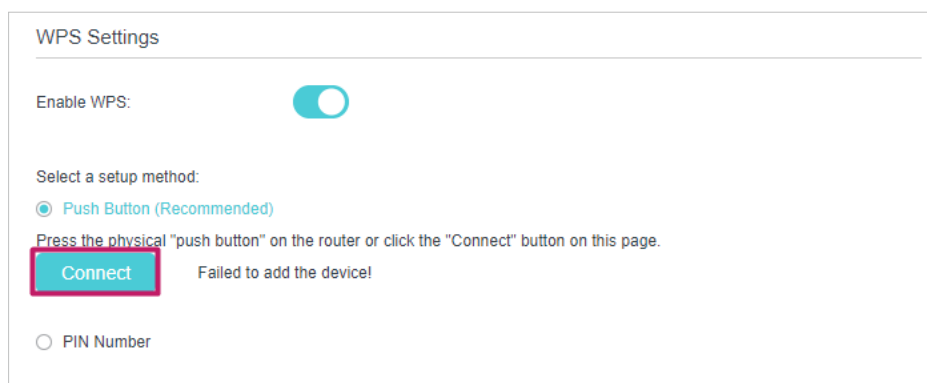
1. Press the WiFi/WPS button of the mesh device.
2. Press the WPS button of the client device directly.
3. The WPS LED flashes for about 2 minutes during the WPS process.

4. When the WPS LED is on, the client device has successfully connected to the mesh device.

## Method 2: Use the “Connect” button on the web management page

Use this method if your client device has a WPS button.

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to [Advanced](#) > [Wireless](#) > [WPS](#) page.

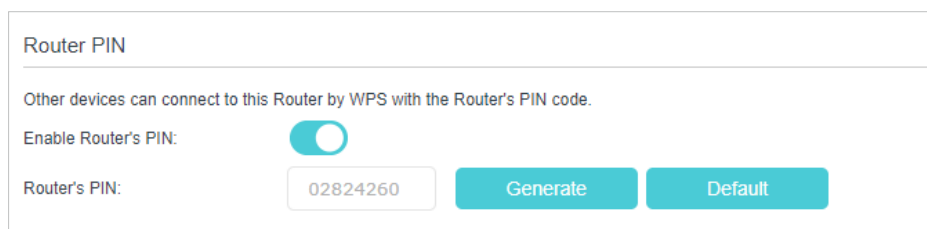


3. Click [Connect](#) on the page.
4. Press the WPS button of the client device directly.
5. The WPS LED of the mesh device flashes for about 2 minutes during the WPS process.
6. When the WPS LED is on, the client device has successfully connected to the mesh device.

## Method 3: Enter the mesh device’s PIN on your client device

Use this method if your client device asks for the mesh device’s PIN.

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to [Advanced](#) > [Wireless](#) > [WPS](#), and enable [Mesh Device’s PIN](#).



3. Take a note of the current PIN of the mesh device. You can also click the [Generate](#) button to get a new PIN.

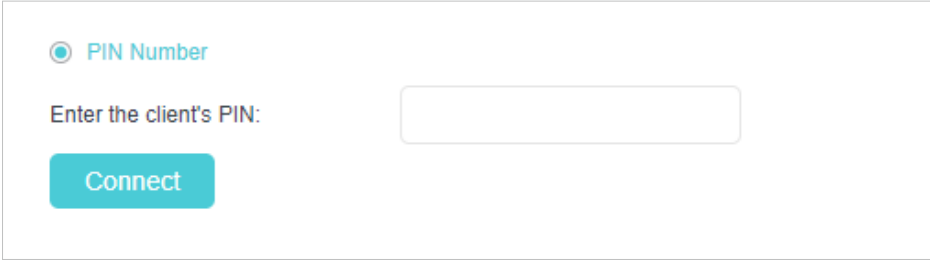
4. Enter the mesh device's PIN on the client device. (The default PIN is also printed on the label of the mesh device.)
5. The WPS LED flashes for about 2 minutes during the WPS process.
6. When the WPS LED is on, the client device has successfully connected to the mesh device.

**Note:**

1. The WPS LED on the mesh device will light on for five minutes if the device has been successfully added to the network.
2. The WPS function cannot be configured if the wireless function of the mesh device is disabled. Please make sure the wireless function is enabled before configuring WPS.

### Method 4: Enter the client device's PIN on the mesh device

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to [Advanced](#) > [Wireless](#) > [WPS](#), and click [PIN Number](#).
3. Enter the [Client's PIN](#).



The screenshot shows a web interface for configuring WPS. At the top, there is a radio button labeled "PIN Number" which is selected. Below this, there is a text label "Enter the client's PIN:" followed by an empty text input field. At the bottom of the form, there is a blue button labeled "Connect".

4. Then click the [Connect](#) button.
5. [Device has been added successfully!](#) or the similar information will appear on the web page, which means the client device has successfully connected to the mesh device.

## Chapter 7

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# Multi-SSID

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Multi-SSID function allows you to provide Wi-Fi access for your visitors without disclosing your main network. When you have guests in your house, apartment, or workplace, you can create a multi-SSID wireless network for them. In addition, you can customize the network settings to ensure your network security and privacy.

➤ **To create a multi-SSID network:**

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to [Basic > Multi-SSID](#) or [Advanced > Wireless > Multi-SSID](#).
3. Create the multi-SSID network as needed.

The screenshot shows the 'Multi-SSID' configuration page. At the top, it says 'Multi-SSID' and '2.4GHz | 5GHz'. There are two sections for configuring MSSID1 and MSSID2. For MSSID1, the 'Enable' checkbox is checked, the 'Network Name (SSID)' is 'TP-Link\_...\_1', 'Hide SSID' is unchecked, and 'Security' is set to 'No Security'. The 'See each other' section has 'Allow guests to see each other' checked. MSSID2 has the same configuration. A 'Save' button is located at the bottom right of the form.

- 1) Select the **Enable** check box to create the corresponding multi-SSID network. You can create three multi-SSID wireless networks at most.
- 2) Enter a new **Network Name (SSID)** or use the default name, this field is case-sensitive. Don't select **Hide SSID** unless you want your guests to manually input the SSID for Wi-Fi access.
- 3) Select the **Security** option for the multi-SSID wireless network, **WPA/WPA2/WPA3 Personal (Recommended)** is recommended, and you can set a password for the network.
4. Click **Save** to make the settings effective. Now your guests can access your multi-SSID wireless network using the SSID and password specified.

## Chapter 8

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# TP-Link Cloud Service

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TP-Link Cloud service provides a better way to manage your cloud devices. Log in to your mesh device with a TP-Link ID, and you can easily monitor and manage your home network when you are out and about via the Aginet app. To ensure that your mesh 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 mesh device, and the Aginet 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 Mesh Device via the TP-Link Aginet App](#)

## 8.1. Register a TP-Link ID

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


1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with the password you set for the mesh device.
2. Go to [Basic > TP-Link Cloud](#).
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 Cloud page to log in. The TP-Link ID used to log in to the mesh device 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 Aginet APP. Please refer to [Manage the Mesh Device via the TP-Link Aginet App](#) to install the app.
- If you want to unbind the admin TP-Link ID from your mesh device, please go to [Basic > TP-Link Cloud](#), and click [Unbind](#) in the [Device Information](#) section.

## 8.2. Change Your TP-Link ID Information

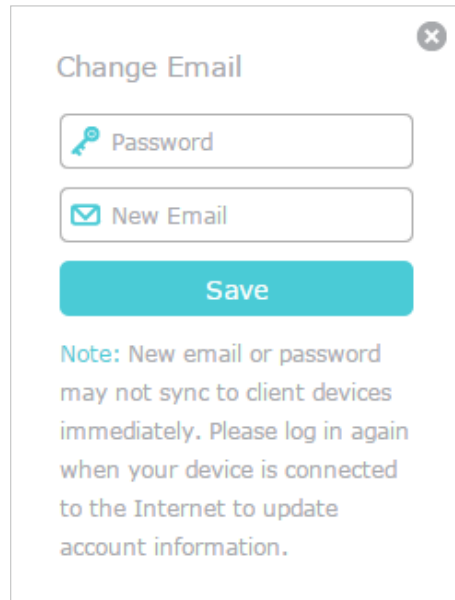
Follow the steps below to change your email address and password of your TP-Link ID as needed.

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with your TP-Link ID.
2. Go to [Basic > 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](#).

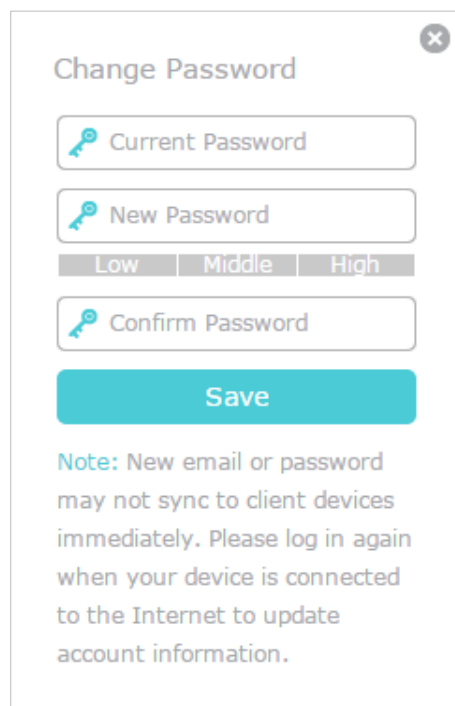




The 'Change Email' dialog box features a title bar with a close button (X). It contains two input fields: 'Password' with a key icon and 'New Email' with an envelope icon. Below these is a teal 'Save' button. A note at the bottom states: 'Note: New email or password may not sync to client devices immediately. 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](#).



The 'Change Password' dialog box features a title bar with a close button (X). It contains three input fields: 'Current Password', 'New Password', and 'Confirm Password', each with a key icon. The 'New Password' field has a strength indicator below it with 'Low', 'Middle', and 'High' levels. Below these 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.'

### 8.3. Manage the User TP-Link IDs

The TP-Link ID used to log in to the mesh device 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 mesh device as **Users**. All accounts can monitor and manage the mesh device locally or remotely, but user accounts cannot:

- Reset the mesh device to its factory default settings either on the web management page or in the Aginet app.
- Add/remove other TP-Link IDs to/from the mesh device.

### 8.3.1. Add TP-Link ID to Manage the Mesh Device

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with your TP-Link ID.
2. Go to **Basic** > **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 Aginet app. Refer to [Manage the Mesh Device via the TP-Link Aginet 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				
<span style="color: teal;">+</span> Bind <span style="color: red;">-</span> Unbind				
<input type="checkbox"/>	ID	Email	Binding Date	Role
<input type="checkbox"/>	1	admin_123@tplink.com	2023/08/01	Admin
<input type="checkbox"/>	2	user456@tplink.com	2023/08/01	User

### 8.3.2. Remove TP-Link ID(s) from Managing the Mesh Device

1. Visit <http://tplinkwifi.net> or <http://192.168.88.1>, and log in with your TP-Link ID.
2. Go to **Basic** > **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**.