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User Guide

4G LTE Mobile Wi-Fi
M7000

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About This Guide

This guide is a complement of Quick Installation Guide. The Quick Installation Guide provides instructions for quick internet setup, while this guide contains details of each function and demonstrates how to configure them.

Features available in tpMiFi may vary by model and software version. The tpMiFi 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 tpMiFi experience.

Conventions

In this guide the following conventions are used:

Convention	Description
<u>Underlined</u>	Underlined words or phrases are hyperlinks. You can click to redirect to a website or a specific section.
Teal	Contents to be emphasized and texts on the web page are in teal, including the menus, items, buttons and so on.
>	The menu structures to show the path to load the corresponding page. For example, Advanced > Wireless > Black List means the Black List page is under the Wireless menu that is located in the Advanced tab.
 Note:	Ignoring this type of note might result in a malfunction or damage to the device.
 Tips:	Indicates important information that helps you make better use of your device.

*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.

*Battery life estimates obtained through testing in a laboratory setting.

More Info

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

The Quick Installation Guide can be found in the same place you found this guide or inside the package of the Mobile Wi-Fi.

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 Contact Technical Support page at <https://www.tp-link.com/support/>.

Chapter 1

Get to Know About Your Mobile Wi-Fi

This chapter introduces what the Mobile Wi-Fi can do and its appearance. It includes the following sections:

- [Product Overview](#)
- [Physical Description](#)

1.1. Product Overview

The Faster Connections, The More You Can Do

Just insert a SIM card to create your reliable personal Wi-Fi hotspot and share instant 4G/3G connectivity with friends. The Mobile Wi-Fi, supporting the latest generation 4G LTE network, can reach a faster download speed so that users can enjoy HD movies without interruption, download files in seconds, and hold a video chat without dropouts.

Artful Little Gadget and Built-in Battery for Life on the Go

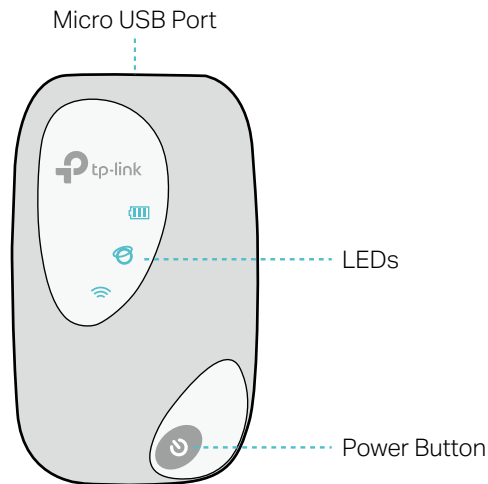
The TP-Link Mobile Wi-Fi features a compact, elegant design and rechargeable powerful battery very suitable for travel, business trips and outdoor activities. With added flexibility, the device can be charged via a micro USB cable connected to an adapter, laptop or portable charger for endless hours of 4G sharing.

Easy Management with the tpMiFi App




With the tpMiFi App, you can conveniently access and manage the Mobile Wi-Fi right on your iOS/Android devices. The tpMiFi app allows you to set data limits, control Wi-Fi access and send messages.

1.2. Physical Description

1.2.1. The Exterior



LED Explanation

LED	Status	Indication
 (Wi-Fi)	On	Wi-Fi is enabled.
	Off	Wi-Fi is disabled.
 (Internet)	On	Internet service is available.
	Off	Internet service is unavailable.
 (Battery)	On	Power is on.
	Off	Power is off.
	Blinking Red	The battery level is lower than 10%.
	Blinking Green	The Mobile Wi-Fi is charging.

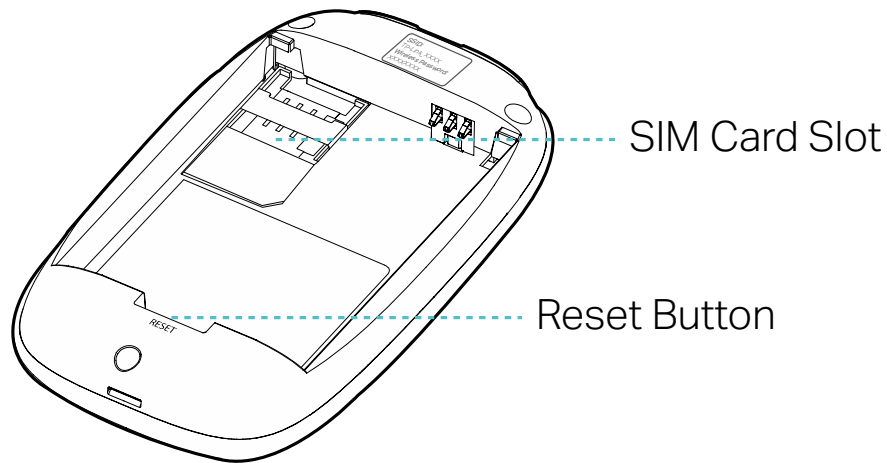
Note:

The LEDs will turn off automatically after idling for 30 seconds. To check the LED status, press the Power button to turn them on again.

Item Explanation

Item	Description
Power Button	<ul style="list-style-type: none"> • Press and hold to power on/off the Mobile Wi-Fi. • Press to turn on LEDs if they are off after idling.
Micro USB Port	Plug in the USB cable to this port to charge your Mobile Wi-Fi.

1.2.2. The Interior



Item Explanation

Item	Description
SIM Card Slot	Insert a SIM card into the slot. A micro or nano SIM card must be converted using a SIM card adapter.
Reset Button	With the Mobile Wi-Fi powered on, use a pin to press and hold this button until all LEDs turn on momentarily to reset the Mobile Wi-Fi.

■ Note:

1. The label is under the battery pack.
2. Resetting the device to its factory defaults will clear all previous configuration.

Chapter 2

Set Up Internet Connection

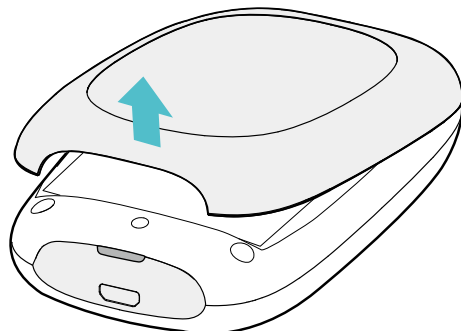
This chapter introduces how to install the Mobile Wi-Fi and connect your wireless or smart devices to the internet.

It includes the following sections:

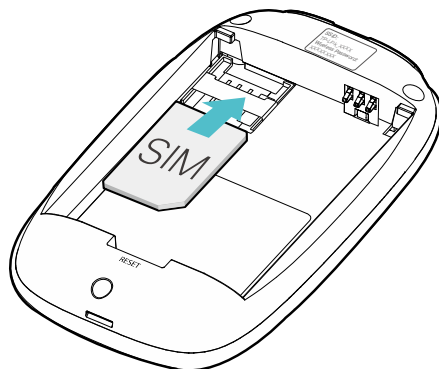
- [Install the Mobile Wi-Fi](#)
- [Connect to the Internet](#)

2. 1. Install the Mobile Wi-Fi

1. Remove the back cover.



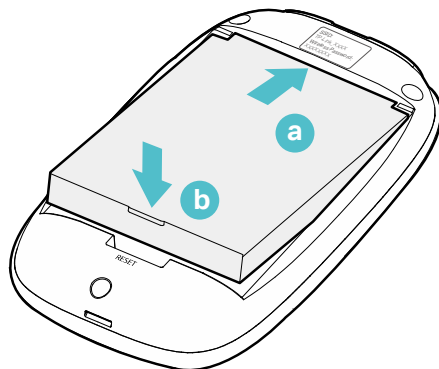
2. Insert your SIM card.



Note:

- A micro or nano SIM card must be converted using a SIM card adapter.
- The SIM card is not provided by TP-Link.

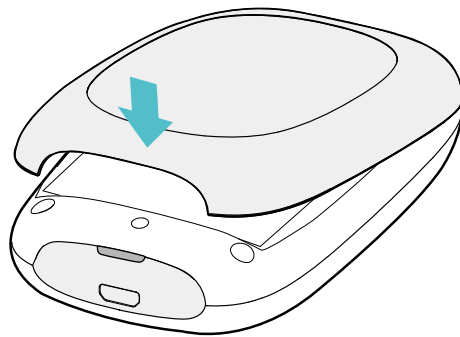
3. Install the provided battery.



4. Note down the default SSID and Wireless Password.

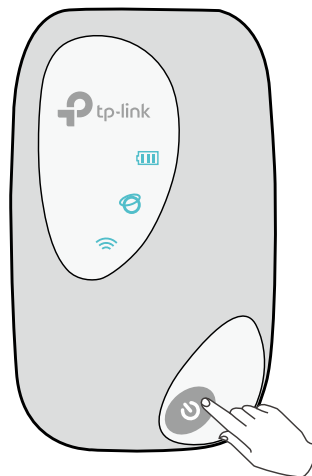


5. Replace the cover.



2. 2. Connect to the Internet

1. Press and hold the Power button  until all LEDs are lit. Wait until the Internet LED  turns solid green.



Note:

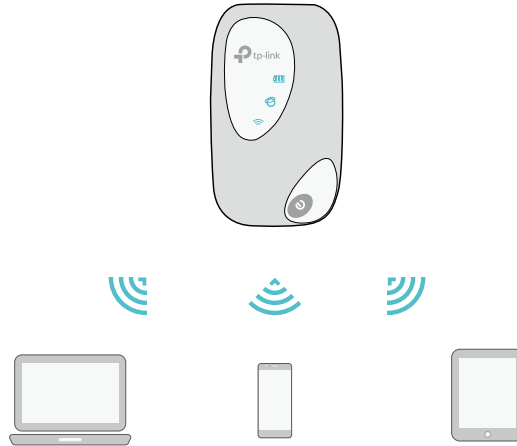
- To power off, press and hold the Power button until all the LEDs are off.
- If the Internet LED doesn't light up, refer to [FAQ > Q2](#).

2. Connect your wireless device to the Mobile Wi-Fi using the SSID and the Wireless Password you have noted down.



Note: If you use a computer to connect to the Mobile Wi-Fi, set it to obtain an IP address automatically.

3. Now you can enjoy the internet!



Note: By default, Power Saving feature is enabled and the Mobile Wi-Fi will turn off the Wi-Fi when no wireless devices are connected to it for 10 minutes. To resume the Wi-Fi connection, press the Power button.

Chapter 3

Log In

This chapter introduces how to log in to the web management page. Demonstrations in this guide use the phone web management interfaces, while some use the PC ones as those functions are only available on the PC web management page.

Before login, make sure your device is connected to the Mobile Wi-Fi's SSID.

This chapter includes the following sections:

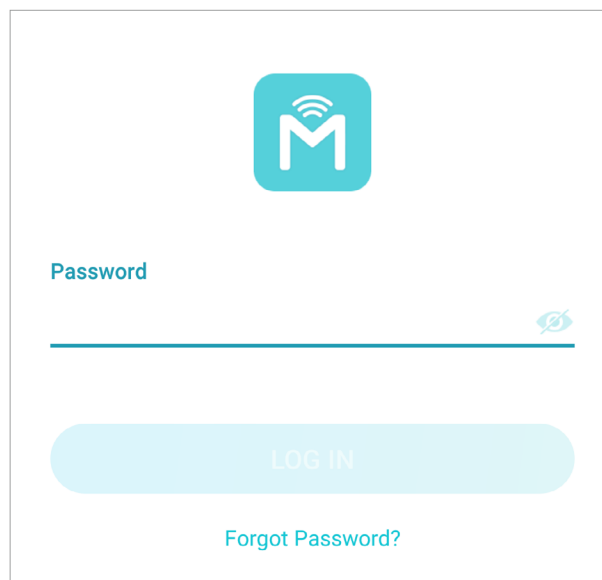
- [Via tpMiFi App](#)
- [Via PC Login Entry](#)
- [Via Phone Login Entry](#)

3. 1. Via tpMiFi App

1. Search "tpMiFi" at the App Store or Google Play or simply scan the QR code to download the tpMifi app.



2. Connect your device to the Mobile Wi-Fi.
3. Launch the tpMiFi app, and log in with the default password: [admin](#).

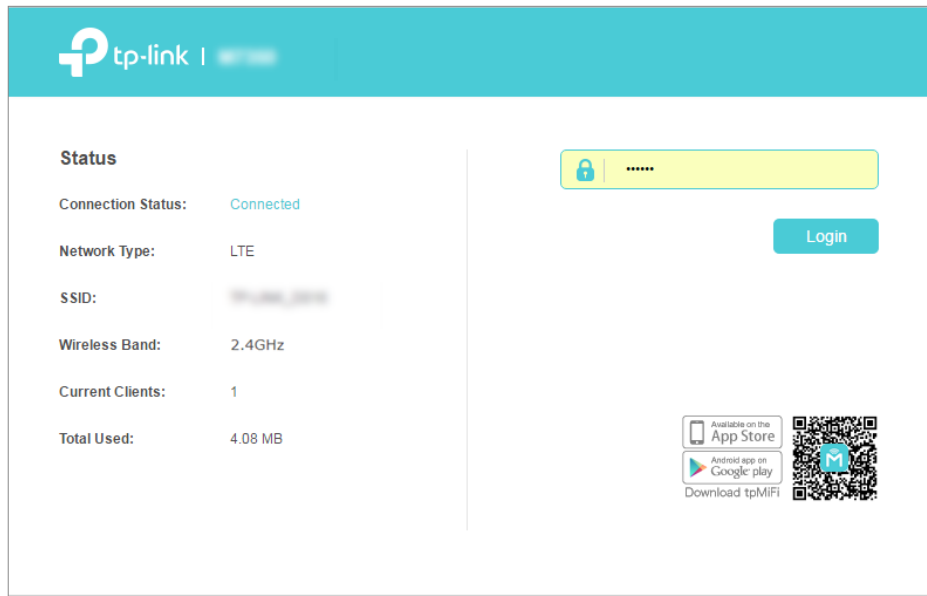
A screenshot of the tpMiFi app's login interface. At the top center is a teal square icon with a white 'M' and a Wi-Fi signal symbol. Below the icon is the label 'Password' in teal. A horizontal teal line represents the password input field, with a small teal eye icon on the right side to toggle visibility. Below the input field is a large, rounded teal button with the text 'LOG IN' in white. At the bottom center, there is a teal link that says 'Forgot Password?'.

4. Create a new password for security purposes and use it for future logins.

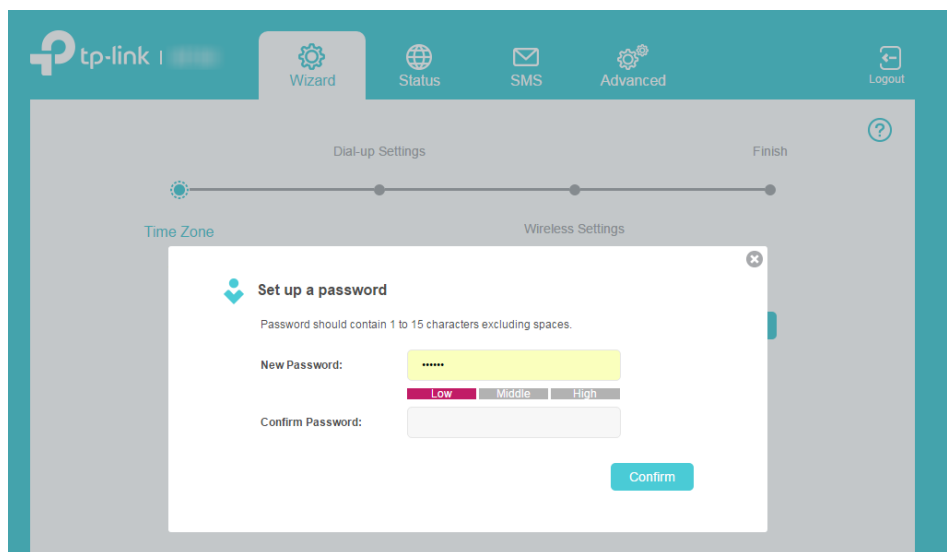
3. 2. Via PC Login Entry

On the PC web management interfaces, you can enjoy more features, such as DHCP settings.

1. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password: [admin](#).



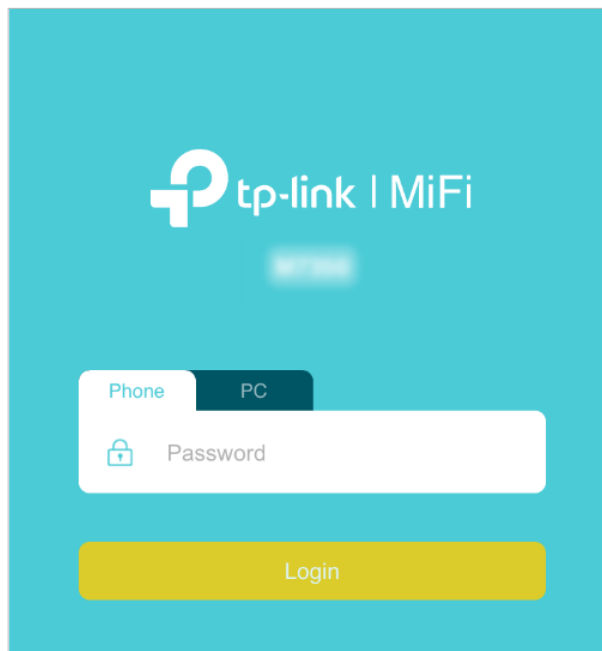
2. Go to [Wizard](#), create a new login password for security purposes and use it for future logins.



3. Follow web instructions to complete the settings.

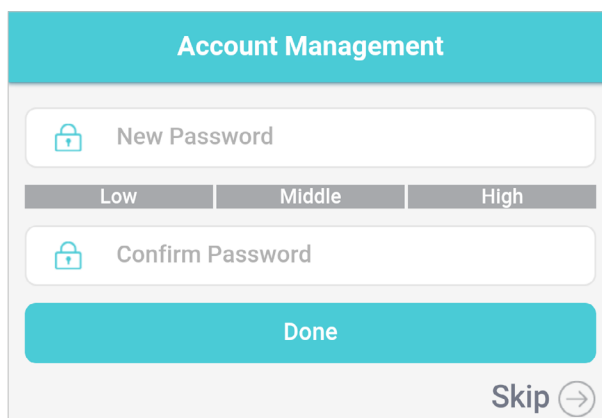
3.3. Via Phone Login Entry

1. On your smart phone, visit <http://tplinkmifi.net>, and log in with the default password: [admin](#).



The image shows the tp-link | MiFi login interface. At the top, the tp-link logo and "MiFi" text are displayed. Below this, there are two tabs: "Phone" and "PC", with "PC" being the active tab. A password input field is visible, containing a lock icon and the text "Password". Below the input field is a yellow "Login" button.

2. Create a new login password for security purposes and click **Done**.



The image shows the "Account Management" screen for password creation. It features a teal header with the text "Account Management". Below the header, there is a "New Password" input field with a lock icon. Underneath the input field, there are three tabs: "Low", "Middle", and "High". Below these tabs is a "Confirm Password" input field with a lock icon. At the bottom of the screen, there is a teal "Done" button and a "Skip" button with a right-pointing arrow.

3. Use the password you just created for future logins.

Chapter 4

Manage Your Data Usage

This chapter explains how to manage the data usage of your Mobile Wi-Fi.

It includes the following sections:

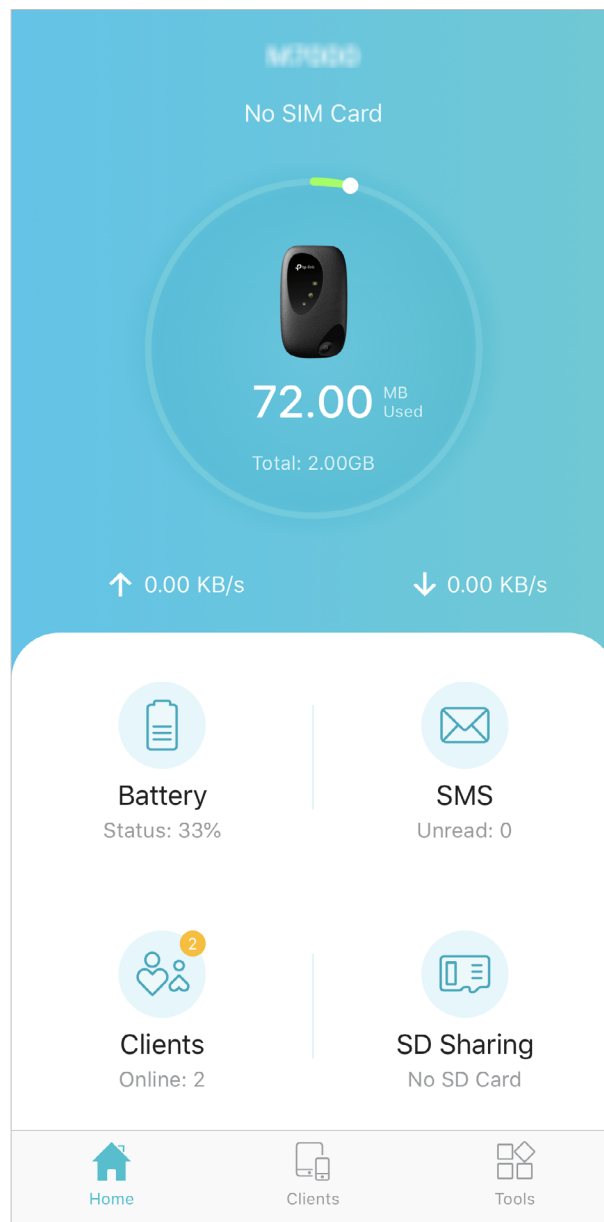
- [Track Data Usage](#)
- [Limit Data Usage](#)
- [Set Usage Limit for Specific Devices](#)
- [Set Rate Limit for Specific Devices](#)
- [Enable Mobile Data](#)
- [Enable Data Roaming](#)

4. 1. Track Data Usage

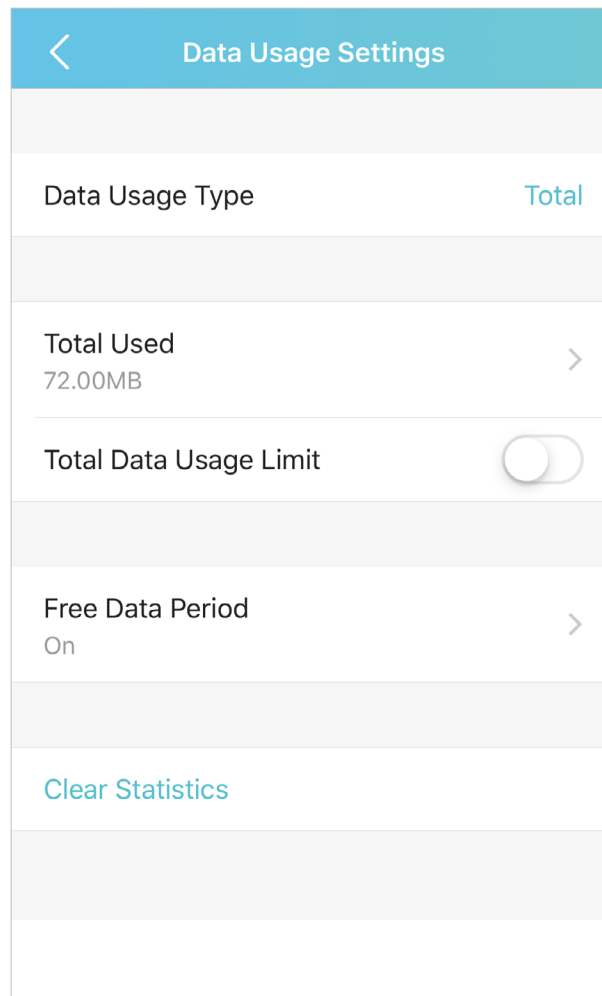
This feature allows you to monitor the amount of data you have used on your Mobile Wi-Fi and revise the displayed data usage as needed.

4. 1. 1. Check Data Usage on the tpMiFi App

1. Open your tpMiFi app and log in with the password you set.
2. Go to the [Home](#) Page and you can see the data usage shown on the upper part.



Or go to [Tools > Data Usage Settings](#), and you can view the data usage as shown below.





Note:

1. Actual data usage may vary from the estimated data usage displayed on the usage meter.
2. The page above displays the monthly data usage if you have enabled Monthly Data Statistics.

4. 1. 2. Check Data Usage via SMS

Your mobile carrier can provide more accurate data usage information. To obtain it, you can send messages to your mobile carrier.

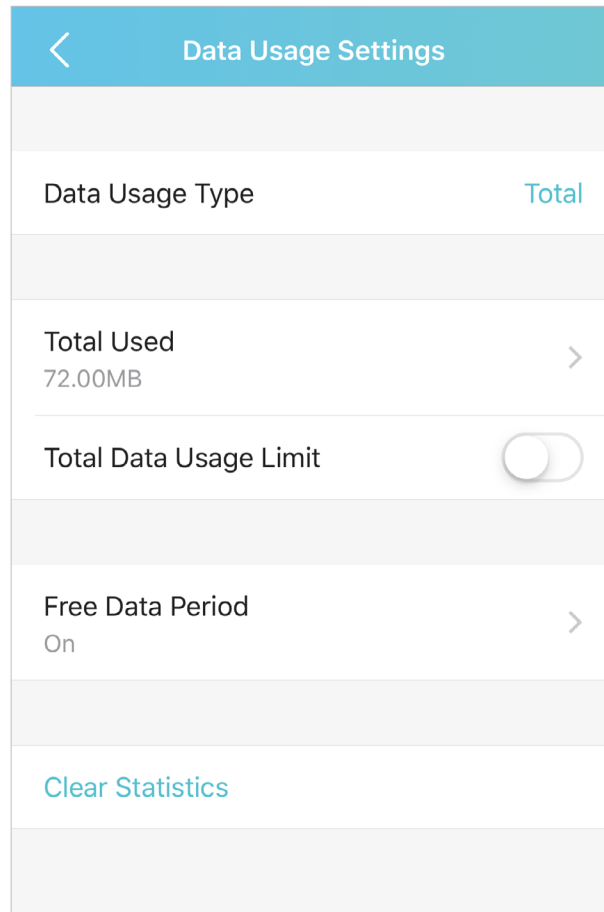
1. Open your tpMiFi app and log in with the password you set.
2. Go to [Tools > SMS](#) and tap [New Message](#).
3. Create a message to your carrier and then tap [Send](#) to send it. And a few minutes later, you will receive a message of data usage information. For the phone number and message content, check from your carrier.

 New Message 
Recipient
To:
Content
Please enter the message.

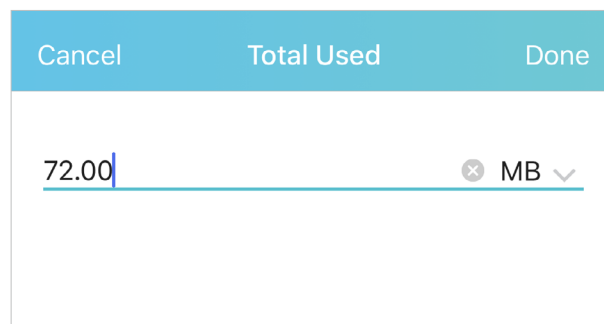
4. 1. 3. **Revise Data Usage**

If the data usage displayed is not accurate, you can modify it as needed.

1. Open your tpMiFi app and log in with the password you set.
2. Go to **Tools > Data Usage Settings**.



3. The figure below displays the current data usage. Tap the **Total Used** field, and enter an accurate value for the data usage.



4. Tap **Done**.

■ Note:

1. You can obtain the exact data usage from your carrier. Please refer to [Check Data Usage via SMS](#).
2. The page above displays the monthly data usage if you have enabled Monthly Data Statistics.

4.2. Limit Data Usage

This feature allows you to establish data limits for different data packages so that you can better control your data usage.

4.2.1. Limit Data Package

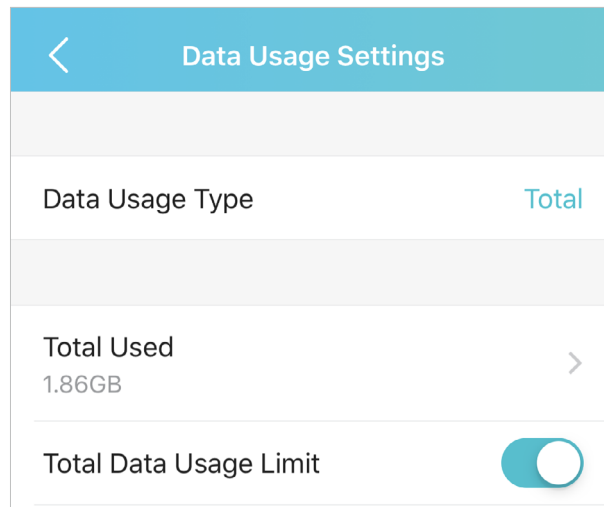
I want to:

Limit my data usage so that I will not exceed my data package (2GB). I wish to:

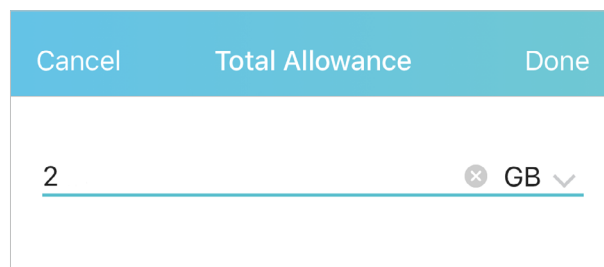
1. Receive an alert when the data usage reaches 90% of the allowance (1.8GB);
2. Disable the internet access automatically when it reaches the allowance (2GB).

How can I do that ?

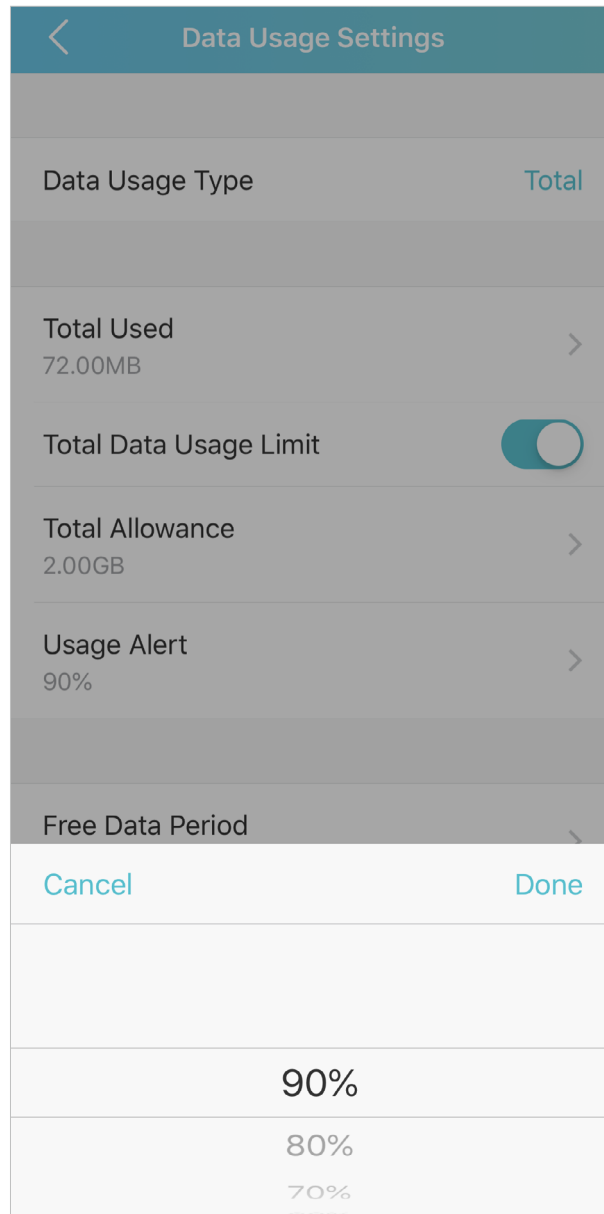
1. Open your tpMiFi app and log in with the password you set.
2. Go to [Tools](#) > [Data Usage Settings](#).
3. Enable [Total Data Usage Limit](#).



4. Enter 2 in [Total Allowance](#) field and specify [GB](#) as the unit of measure. If your data usage has reached the allowance, the internet access will be disabled automatically and the data usage value on the [Home](#) page will turn red.



5. Set 90% as the [Usage Alert](#). If your data usage has reached the alert value, the data usage value on the [Home](#) page will turn yellow.



6. Tap **Done**.

Done!

Now your data usage is limited according to your settings.

4. 2. 2. Limit Monthly Data Usage

I want to:

Limit my data usage so that I will not exceed my monthly data package (800MB).

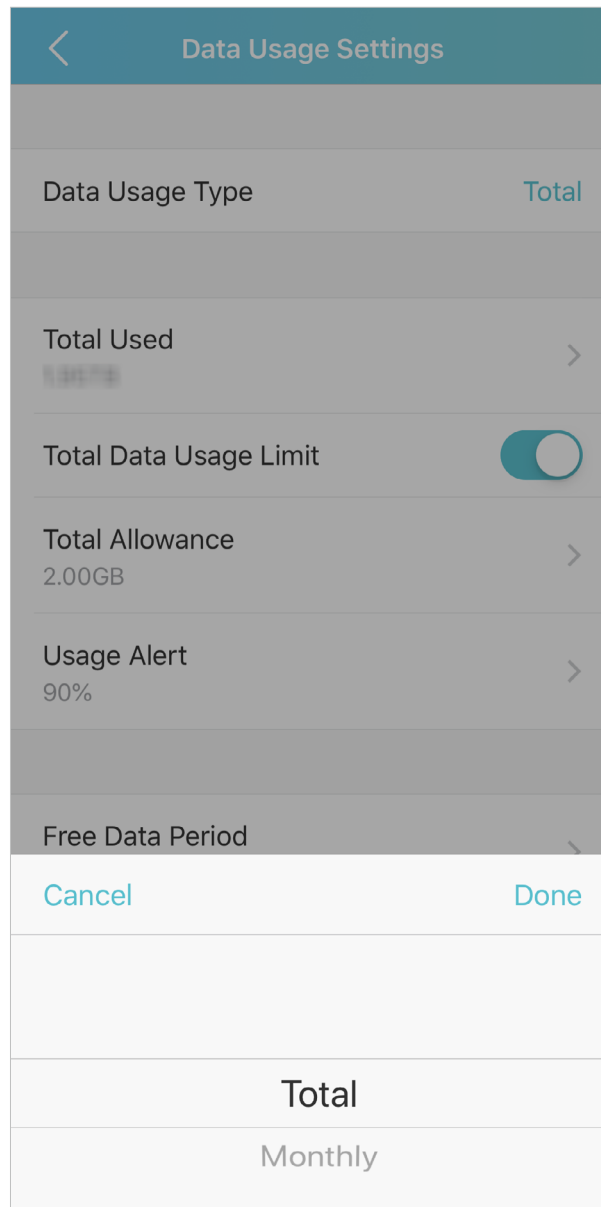
I wish to:

1. Receive an alert when the data usage reaches 90% of the allowance (720MB).

2. Disable the internet access automatically when it reaches the allowance (800MB).

How can I do that?

1. Open your tpMiFi app and log in with the password you set.
2. Go to [Tools](#) > [Data Usage Settings](#).
3. Set the [Data Usage Type](#) as [Monthly](#).



4. Enable [Monthly Data Usage Limit](#).

5. Enter 800 in [Monthly Allowance](#) field and specify [MB](#) as the unit of measure. If your data usage has reached the allowance, the internet access will be

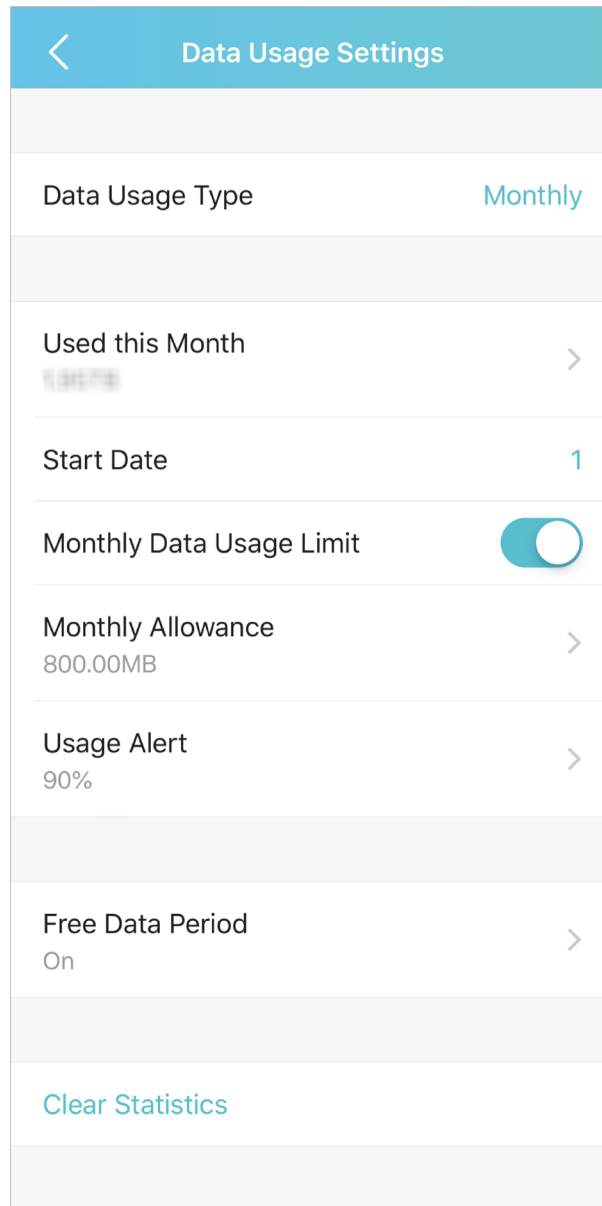
disabled automatically and the data usage value on the [Status](#) page will turn red.

6. Set 90% as the [Usage Alert](#) percentage. If your data usage has reached the alert value, the data usage value on the [Home](#) page will turn yellow.

7. Enter the [Start Date](#).

■ Note:

The monthly data usage statistics will be cleared and recounted from the date you have set every month.



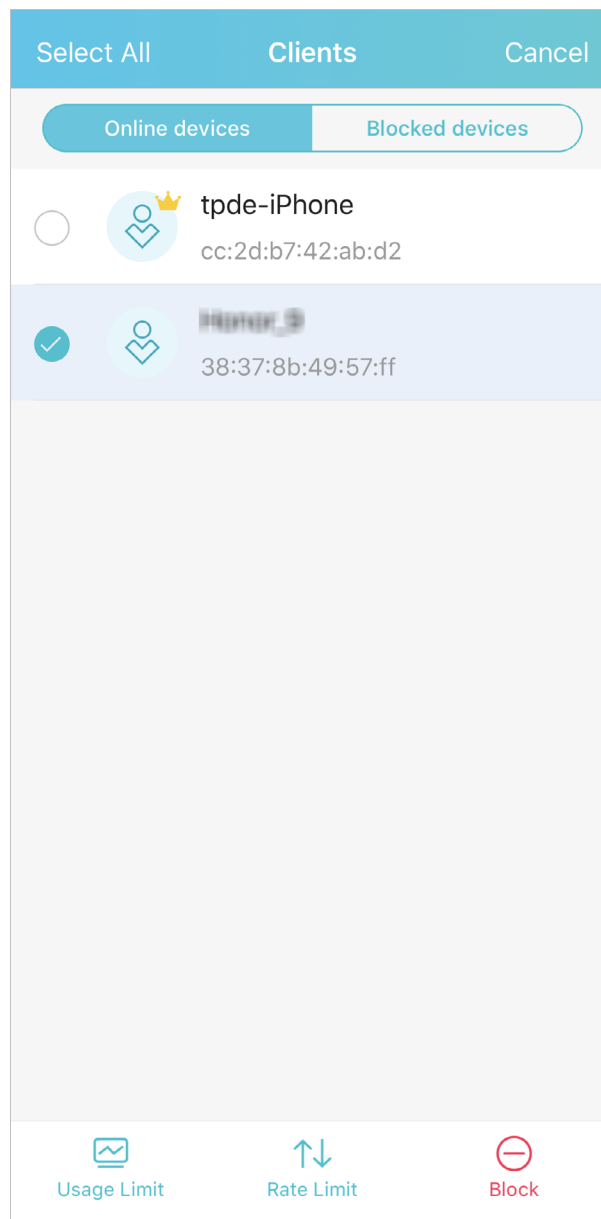
Done!

Now your data usage is limited according to your settings.

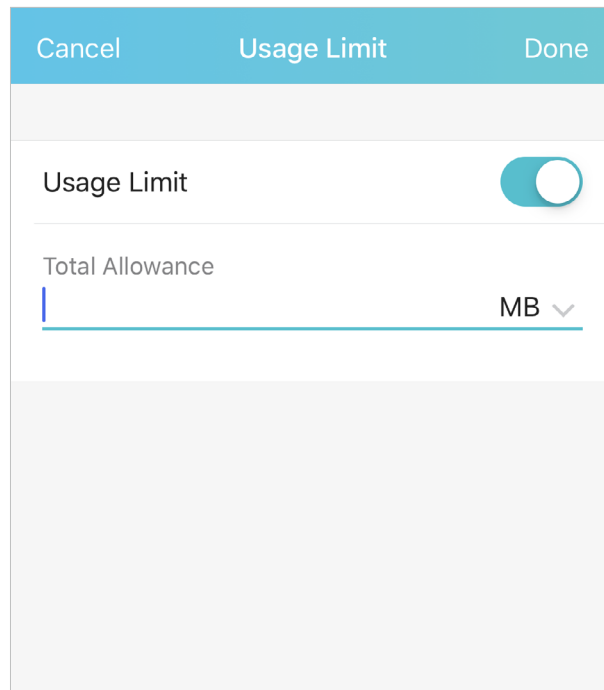
4.3. Set Usage Limit for Specific Devices

This feature allows you to establish data limits for some specific connected devices so that you can better control your data usage.

1. Open your tpMiFi app and log in with the password you set.
2. Go to [Clients](#) or tap [Clients](#) on the [Home](#) page.
3. Click [Edit](#) on the right corner and select the device(s) you want to set usage limit.



4. Tap **Usage Limit** at the bottom.



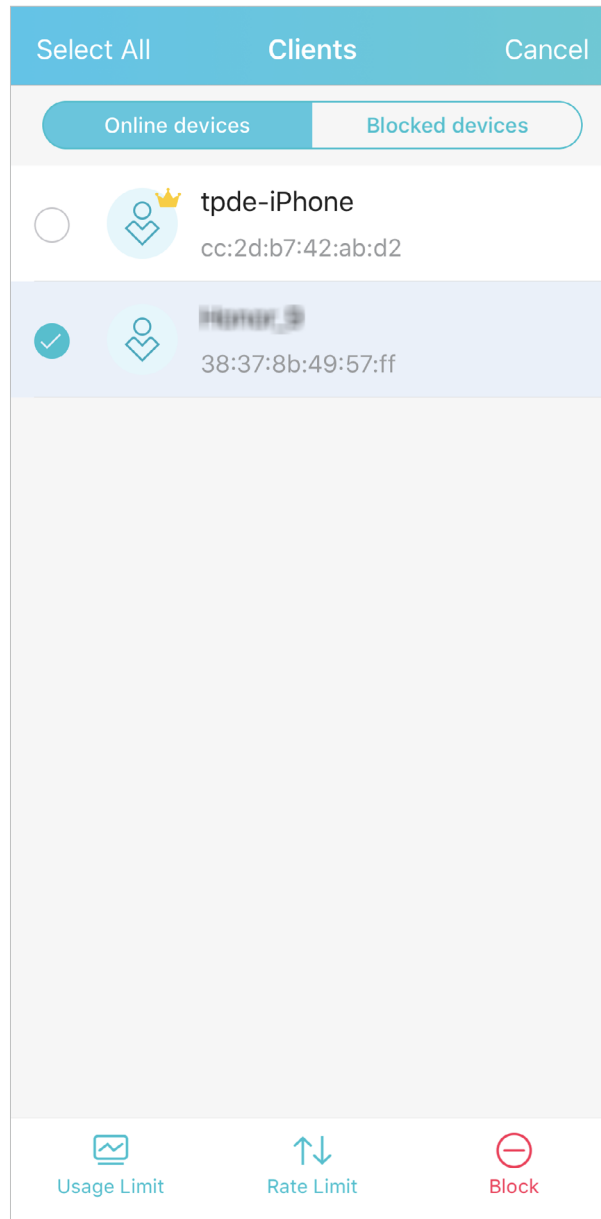
5. Set the **Total Allowance** for that device.

6. Tap **Done**.

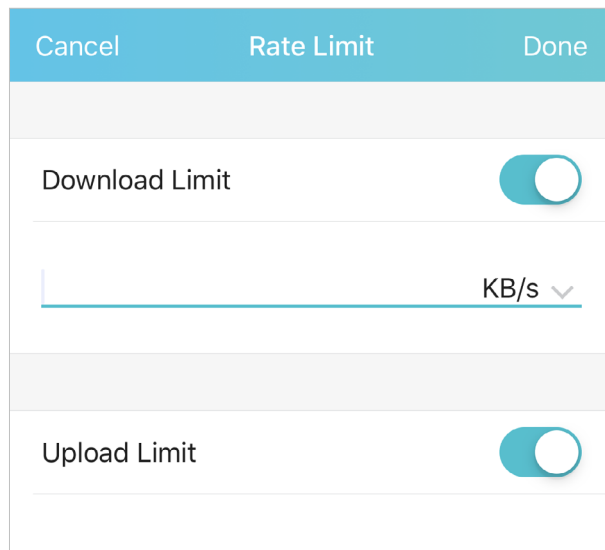
4. 4. Set Rate Limit for Specific Devices

This feature allows you to limit the Wi-Fi speed of some connected devices so that your device can have higher speed.

1. Open your tpMiFi app and log in with the password you set.
2. Go to **Clients** or tap **Clients** on the **Home** page.
3. Click **Edit** on the right corner and select the device(s) you want to set rate limit.



4. Tap **Rate Limit** at the bottom.

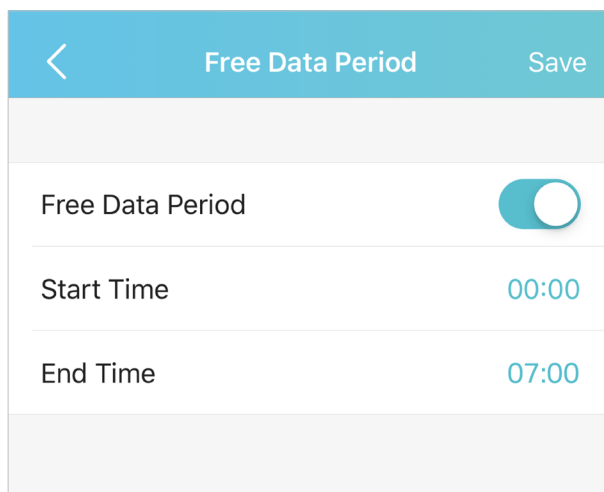


5. Set the [Download](#) and [Upload Limit](#) for the device(s).
6. Tap [Done](#).

4.5. Set Up Free Data Period

In the free data period, you will not be charged for data by the mobile carrier. If your carrier has provided this data service to you, you can specify the free data period during, so the data usage will not be counted for data alert and limitation.

1. Open your tpMiFi app and log in with the password you set.
2. Go to [Tools](#) > [Data Usage Settings](#) and tap [Free Data Period](#) for setting.
3. Enable [Free Data Period](#).
4. Enter the [Start Time](#) and [End Time](#) of Free Data Period.

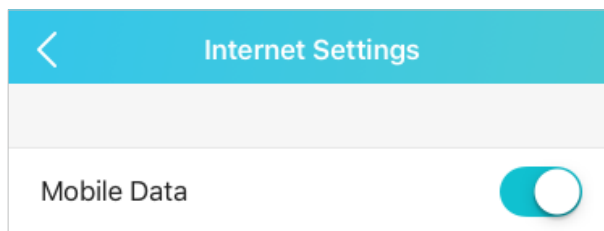


5. Tap [Save](#).

4.6. Enable Mobile Data

With Mobile Data (also known as cellular data) enabled, devices connected to the Mobile Wi-Fi can access the internet. This feature is enabled by default.

1. Open your tpMiFi app and log in with the password you set.
2. Go to [Tools](#) > [Internet Settings](#).
3. Enable [Mobile Data](#).



4. Tap [Done](#).

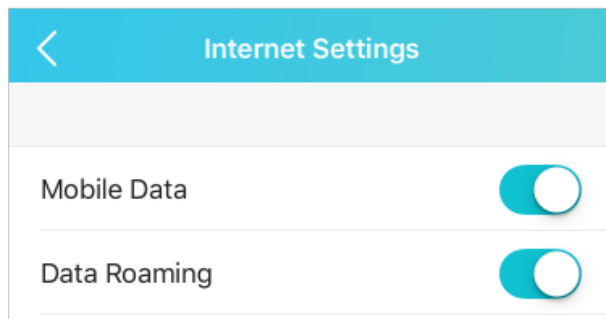
■ Note:

Mobile Data is enabled by default. If disabled, internet access is prohibited.

4.7. Enable Data Roaming

If you are out of your carrier's service area, you cannot access the internet, and you will need to enable data roaming to access the internet.

1. Open your tpMiFi app and log in with the password you set.
2. Go to [Tools](#) > [Internet Settings](#).
3. Enable [Data Roaming](#).



4. Tap [Done](#).

■ Note:

Data Roaming is disabled by default. If enabled, data service is allowed when roaming.

Chapter 5

Secure Your Network

This chapter explains how to secure your network in various ways. You can change the SSID, manage the blacklist and lock your SIM card to safeguard your network.

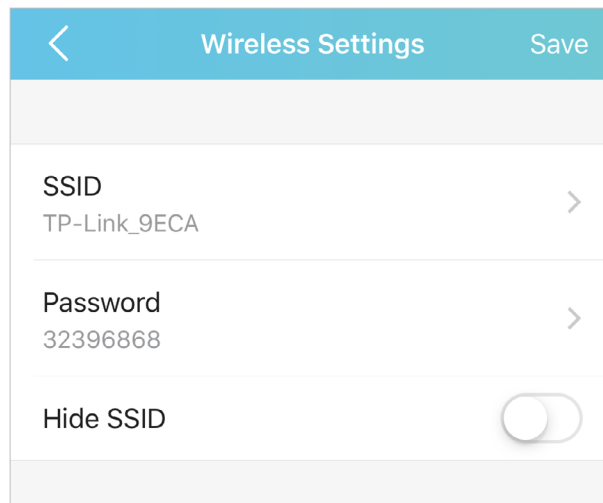
It includes the following sections:

- [Secure Wireless Network](#)
- [Block Unwelcome Devices](#)
- [Lock SIM Card](#)

5.1. Secure Wireless Network

The SSID (wireless network name), wireless password of the Mobile Wi-Fi and security options are preset as default. The default SSID and password can be found inside the back cover of your Mobile Wi-Fi. You can customize the wireless settings as needed.

1. Open your tpMiFi app and log in with the password you set.
2. Go to [Tools > Wireless Settings](#).

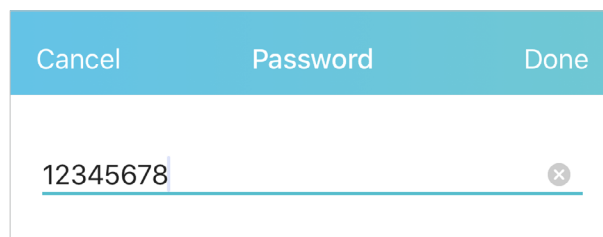


- To change the SSID and wireless password:

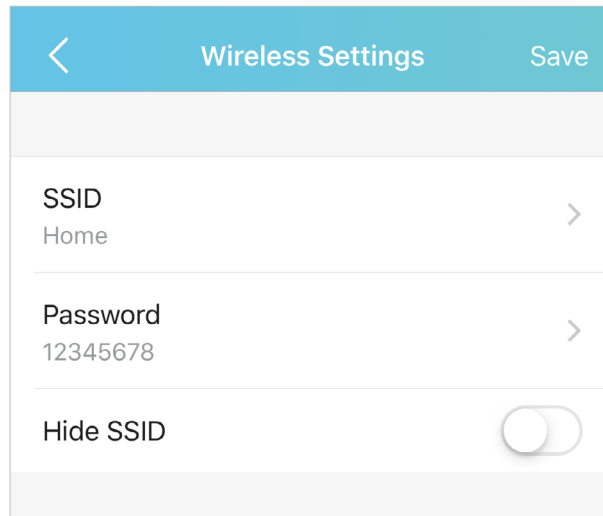
1. Tap [SSID](#) and enter a new one. Tap [Done](#).



2. Tap [Password](#) and enter a new one. Tap [Done](#).

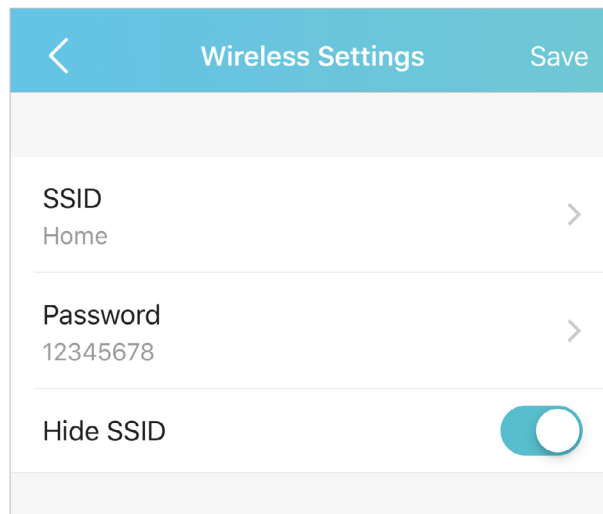


3. Tap [Save](#) to save the settings. You can see the new SSID and Password now.



- **To hide the SSID:**

1. Toggle on **Hide SSID**, so the SSID will not be displayed when you scan for wireless networks.



2. Tap **Save**.

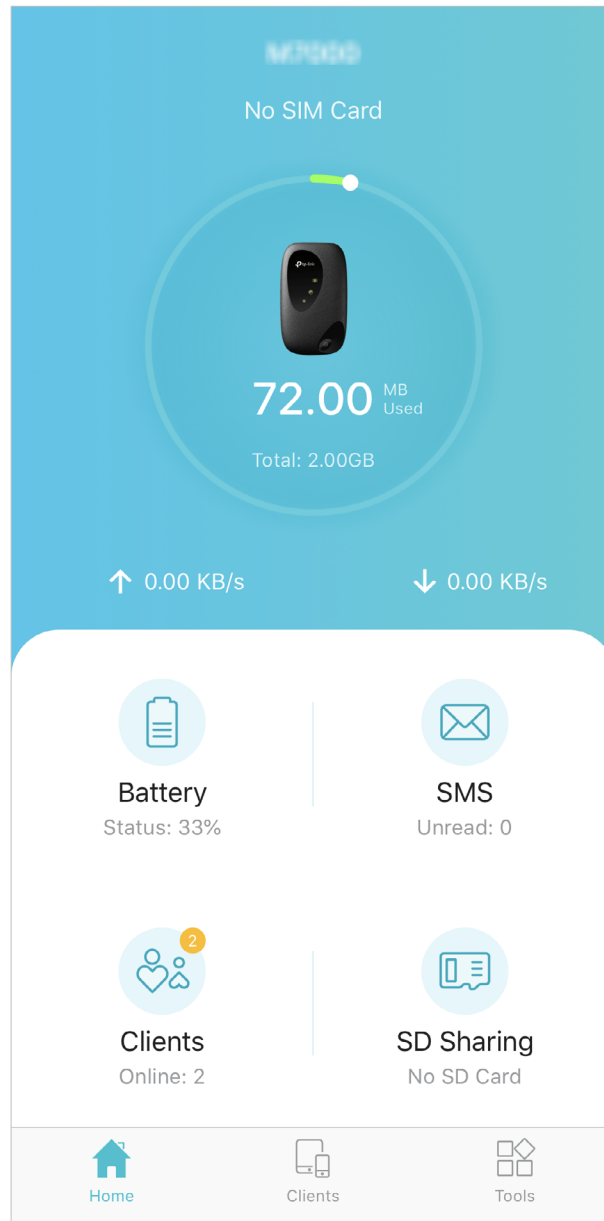
■ **Note:**

If the SSID is hidden, it will not be displayed on your wireless device when you scan for local wireless networks. And you need to manually enter the SSID to join the network.

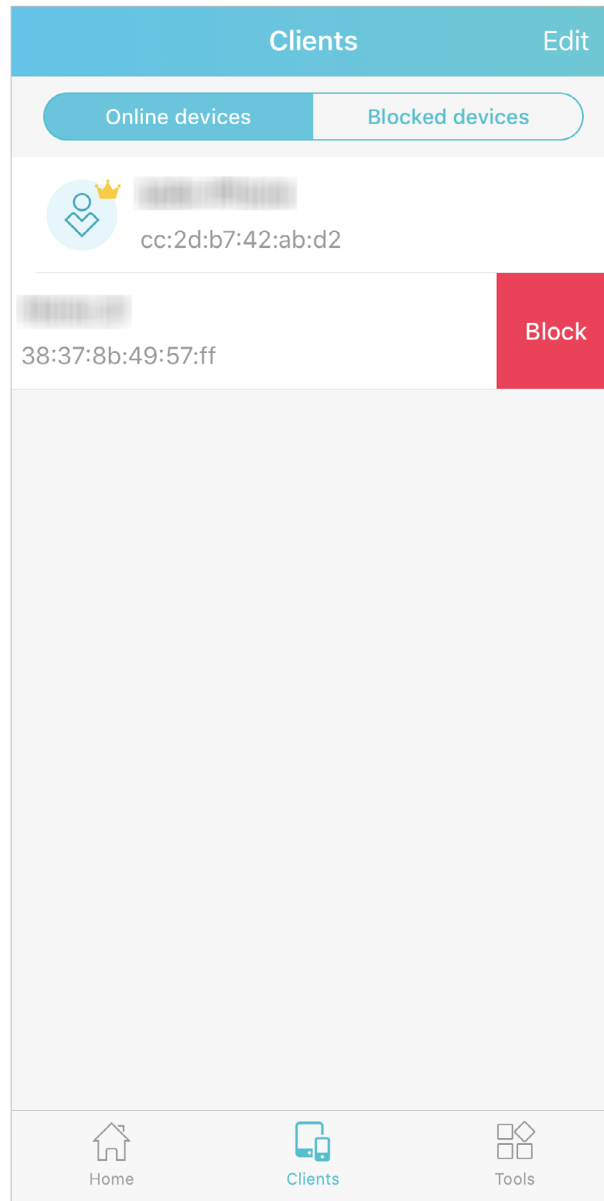
5. 2. Block Unwelcome Devices

This feature allows you to restrict unwelcome devices to accessing the wireless network of your Mobile Wi-Fi.

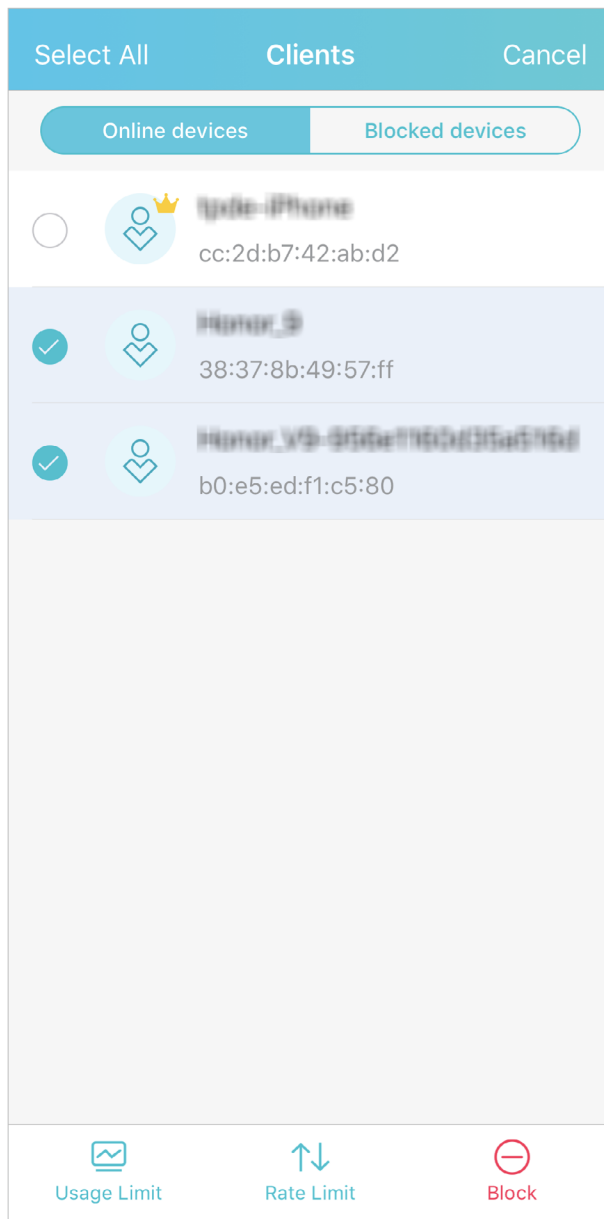
1. Open your tpMiFi app and log in with the password you set.
2. Go to **Clients** or tap **Clients** on the **Home** page.



3. Select the device that you want to block from the [Online Devices](#) list, slide left and tap [Block](#).



4. If you want to block many devices at a time, click **Edit** on the right corner and select the devices you want to block. Tap **Block** at the bottom.



5. You can check the blocked devices on the [Blocked Devices](#) list.

■ Note:

The current device cannot be blocked.

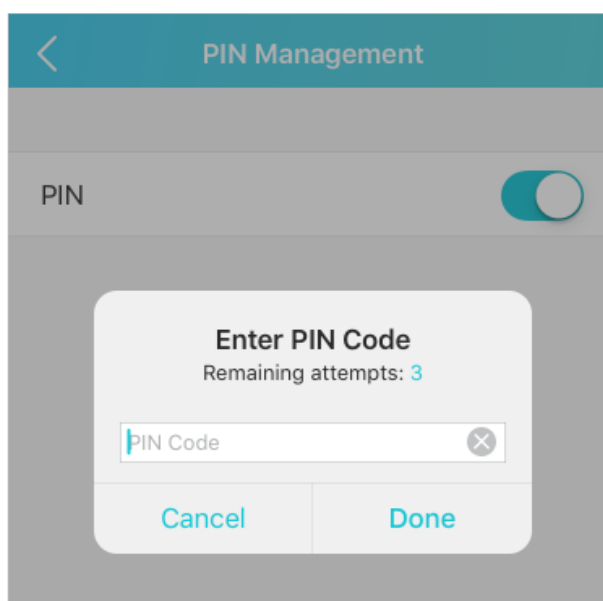
5.3. Lock SIM Card

This feature allows you to lock your SIM card with the [PIN](#) lock. Once the [PIN](#) lock is enabled, every time you start your Mobile Wi-Fi or another device (such as a smartphone or tablet) with this SIM card inserted, you need to enter the PIN code to access the internet.

If you don't wish to enter the PIN code when using this SIM card on your Mobile Wi-Fi, you can enable the [Auto-Unlock PIN](#) function. You will still have to enter the PIN code after inserting the SIM card to another device (such as a smartphone or tablet), however.

- **To enable the PIN lock:**

1. Open your tpMiFi app and log in with the password you set.
2. Go to [Tools](#) > [Internet Settings](#) > [PIN Management](#) and enable [PIN](#).
3. Enter the PIN code of your SIM card.



4. Tap [Done](#).

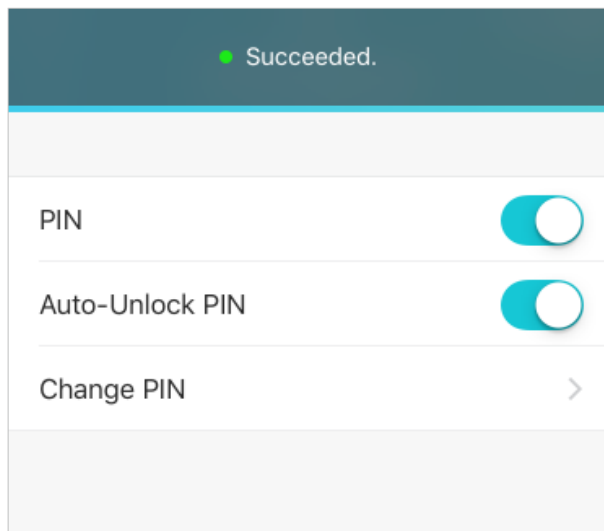
5. Open your tpMiFi app and enter the PIN code to access the internet every time you start your Mobile Wi-Fi.

■ Note:

1. The PIN code of your SIM card is preset by your carrier and usually can be found on the package of the SIM card.
2. After 3 failed verification attempts the SIM will be locked, and you will need to enter the PUK code to unlock it. The PUK code can usually be found on the package of the SIM card, too.

- **To enable Auto-Unlock PIN:**

1. Open your tpMiFi app and log in with the password you set.
2. Go to [Tools](#) > [Internet Settings](#) > [PIN Management](#) and enable [PIN](#).
3. Enable [Auto-Unlock PIN](#).



4. Once enabled, you can save the trouble of entering the PIN code on your Mobile Wi-Fi upon power-on.

- To reset PIN code:

1. Open your tpMiFi app and log in with the password you set.

2. Go to [Tools](#) > [Internet Settings](#) > [PIN Management](#) and enable [PIN](#).

3. Tap [Change PIN](#).

4. Enter the current PIN code and then enter a new PIN code twice.

A screenshot of a "Change PIN" dialog box. The title bar is teal and contains "Cancel", "Change PIN", and "Done" buttons. The main area is white and contains three input fields: "Current PIN", "New PIN", and "Confirm PIN". At the bottom, it says "Remaining attempts: 3".

5. Tap [Done](#).

6. Use the new PIN code for future PIN verifications.

Chapter 6

NAT Forwarding

Mobile Wi-Fi NAT (Network Address Translation) feature makes the devices in the LAN use the same public IP address to communicate in the internet, which protects the local network by hiding IP addresses of the devices. However, it also brings about the problem that external host cannot initiatively communicate with the specified device in the local network.

The Mobile Wi-Fi can use a forwarding feature to remove the isolation of NAT and allow external internet hosts to intuitively communicate with the devices in the local network, thus enabling some special features.

TP-Link Mobile Wi-Fi includes four forwarding rules. If two or more rules are set, the priority of implementation from high to low is Virtual Servers, Port Triggering, UPnP and DMZ.

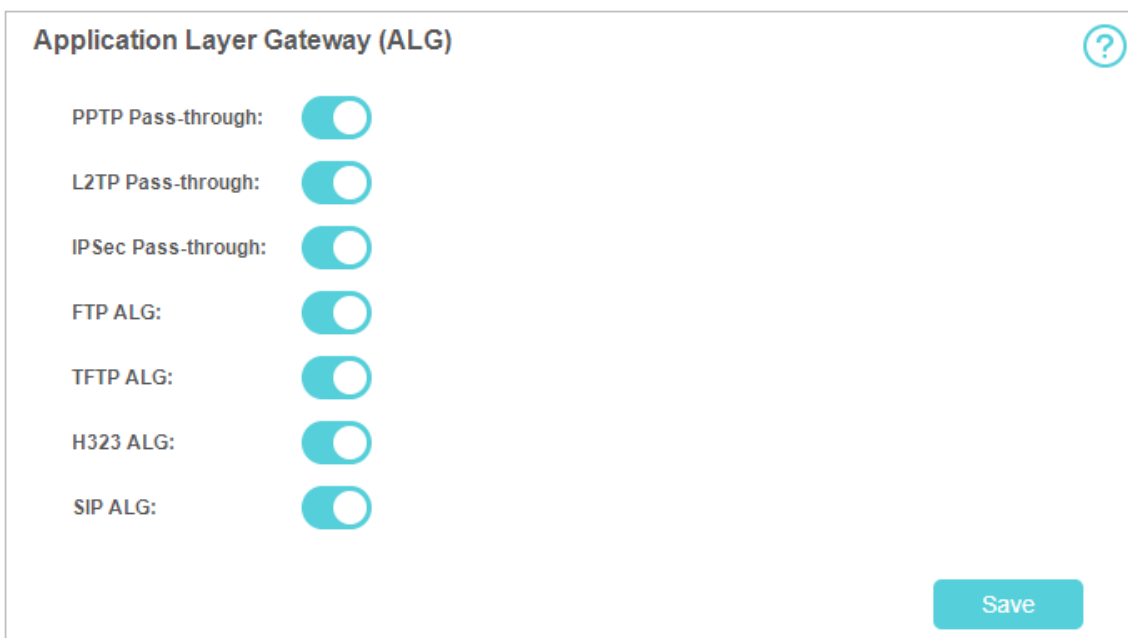
This chapter contains the following sections:

- [Translate Address and Port by ALG](#)
- [Share Local Resources over the Internet by Virtual Server](#)
- [Open Ports Dynamically by Port Triggering](#)
- [Make Applications Free from Port Restriction by DMZ](#)
- [Make Xbox Online Games Run Smoothly by UPnP](#)

6. 1. Translate Address and Port by ALG

ALG (Application Layer Gateway) allows customized NAT (Network Address Translation) traversal filters to be plugged into the gateway to support address and port translation for certain application layer “control/data” protocols: FTP, TFTP, H323 etc. Enabling ALG is recommended.

1. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to [Advanced](#) > [NAT Forwarding](#) > [ALG](#).



Application Layer Gateway (ALG) ⓘ

PPTP Pass-through:

L2TP Pass-through:

IPSec Pass-through:

FTP ALG:

TFTP ALG:

H323 ALG:

SIP ALG:

Save

- **PPTP Pass-through:** If enabled, it allows Point-to-Point sessions to be tunneled through an IP network and passed through the Mobile Wi-Fi.
- **L2TP Pass-through:** If enabled, it allows Layer 2 Point-to-Point sessions to be tunneled through an IP network and passed through the Mobile Wi-Fi.
- **IPSec Pass-through:** If enabled, it allows IPSec (Internet Protocol Security) to be tunneled through an IP network and passed through the Mobile Wi-Fi. IPSec uses cryptographic security services to ensure private and secure communications over IP networks.
- **FTP ALG:** If enabled, it allows FTP (File Transfer Protocol) clients and servers to transfer data via NAT.
- **TFTP ALG:** If enabled, it allows TFTP (Trivial File Transfer Protocol) clients and servers to transfer data via NAT.
- **H323 ALG:** If enabled, it allows Microsoft NetMeeting clients to communicate via NAT.
- **SIP ALG:** If enabled, it allows clients communicate with SIP (Session Initiation Protocol) servers via NAT.

6.2. Share Local Resources over the Internet by Virtual Server

When you build up a server in the local network and want to share it on the internet, Virtual Server can realize the service and provide it to the internet users. At the same time virtual server can keep the local network safe as other services are still invisible from the internet.

Virtual server can be used for setting up public services in your local network, such as HTTP, FTP, DNS, POP3/SMTP and Telnet. Different service uses different service port. Port 80 is used in HTTP service, port 21 in FTP service, port 25 in SMTP service and port 110 in POP3 service. Please verify the service port number before the configuration.

I want to:

Share my personal website I've built in a local network with my friends through the internet.

For example, the personal website has been built on my home PC (192.168.0.100). I hope that my friends can visit my website. The PC is connected to the Mobile Wi-Fi with the WAN IP address 218.18.232.154.



How can I do that?

1. Assign a static IP address to your PC, for example 192.168.0.100.
2. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
3. Go to [Advanced](#) > [NAT Forwarding](#) > [Virtual Servers](#). Click [Add](#).

Virtual Servers

+ Add Delete

ID	Service Type	External Port	Internal IP	Internal Port	Protocol	Status	Modify
--	--	--	--	--	--	--	--

Service Name: [View Existing Applications](#)

External Port: (XX-XX or XX)

Internal IP:

Internal Port: (XX or Blank, 1-65535)

Protocol:

Enable this Entry:

[Cancel](#) [OK](#)

4. Click [View Existing Applications](#), and choose **HTTP**. The external port, internal port and protocol will be automatically filled with contents. Enter the PC's IP address 192.168.0.100 in the **Internal IP** field.

5. Click **OK** to save the settings.

Tips:

1. It is recommended to keep the default settings of **Internal Port** and **Protocol** if you are not clear about which port and protocol to use.
2. If the service you want to use is not in the **Service Type**, you can enter the corresponding parameters manually. You should verify the port number that the service needs.
3. You can add multiple virtual server rules if you want to provide several services from a Mobile Wi-Fi. Please note that the **External Port** cannot be overlapped.

Done!

Internet users can enter [http://WAN IP](#) (in this example: [http://218.18.232.154](#)) to visit your personal website.

Tips:

1. You can go to the [Status](#) Page to see the WAN (IPv4 Address) of your Mobile Wi-Fi.

Connection Status

Connection Status: **Connected**

Network Type: LTE

IPv4 Address: **218.18.232.154**

IPv6 Address: 8888:8888:8888:8888:
8888:8888:8888:8888

[Dial-up Settings](#)

2. If you have changed the default **External Port**, you should use [http://WAN IP: External Port](#) to visit the website.

6.3. Open Ports Dynamically by Port Triggering

Port triggering can specify a triggering port and its corresponding external ports. When a host in the local network initiates a connection to the triggering port, all the external ports will be opened for subsequent connections. The Mobile Wi-Fi can record the IP address of the host. When the data from the internet returns to the external ports, the Mobile Wi-Fi can forward them to the corresponding host. Port triggering is mainly applied to online games, VoIPs and video players. Common applications include MSN Gaming Zone, Dialpad, Quick Time 4 players, and so on.

Follow the steps below to configure the port triggering rules:

1. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to [Advanced](#) > [NAT Forwarding](#) > [Port Triggering](#) and click [Add](#).

Port Triggering

+ Add Delete

<input type="checkbox"/>	ID	Application	Triggering Port	Triggering Protocol	External Port	External Protocol	Status	Modify
--	--	--	--	--	--	--	--	--

Application: MSN Gaming Zone [View Existing Applications](#)

Triggering Port: 47624 (XX)

Triggering Protocol: TCP

External Port: 2300-2400,28800-29000 (XX or XX-XX or XX,XX-XX)

External Protocol: TCP

Enable this Entry:

Cancel OK

3. Click [View Existing Applications](#), and select the desired application. The triggering port and protocol, the external port and protocol will be automatically filled with contents. Here we take [MSN Gaming Zone](#) as an example.
4. Click [OK](#) to save the settings.

Tips:

1. You can add multiple port triggering rules according to your network need.
2. If the application you need is not listed in the [Existing Applications](#) list, please enter the parameters manually. You should verify the external ports the application uses first and enter them into [External Port](#) field according to the format the page displays.

6.4. Make Applications Free from Port Restriction by DMZ

When a PC is set to be a DMZ (Demilitarized Zone) host in the local network, it is totally exposed to the internet, which can realize the unlimited bidirectional communication between internal hosts and external hosts. The DMZ host becomes a virtual server with all ports opened. When you are not clear about which ports to open in some special applications, like IP camera and database software, you can set the PC to be a DMZ host.

Note:

DMZ is most applicable when you don't know which ports to open. When it is enabled, the DMZ host is totally exposed to the internet, which may bring some potential safety hazard. If DMZ is not in use, please disable it in time.

I want to:

Make the home PC join the internet online game without port restriction.

For example, Due to some port restriction, when playing the online games, you can login normally but cannot join a team with other players. To solve this problem, set your PC as a DMZ with all ports opened.

How can I do that?

1. Assign a static IP address to your PC, for example 192.168.0.100.
2. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
3. Go to **Advanced** > **NAT Forwarding** > **DMZ** and select the checkbox to enable DMZ.



The screenshot shows a configuration window titled "DMZ". At the top right is a help icon (question mark in a circle). Below the title, there is a "DMZ:" label followed by a blue toggle switch that is currently turned on. Underneath, there is a "DMZ Host IP Address:" label followed by a text input field containing the IP address "192.168.0.100". At the bottom right of the window is a blue "Save" button.

4. Enter the IP address 192.168.0.100 in the **DMZ Host IP Address** field.
5. Click **Save** to save the settings.

Done!

The configuration is completed. You've set your PC to a DMZ host and now you can make a team to game with other players.

6.5. Make Xbox Online Games Run Smoothly by UPnP

UPnP (Universal Plug and Play) protocol allows the applications or host devices to automatically find the front-end NAT device and send request to it to open the corresponding ports. With UPnP enabled, the applications or host devices in the both sides of NAT device can freely communicate with each other realizing the seamless connection of the network. You may need to enable the UPnP if you want to use applications such as multiplayer gaming, peer-to-peer connections, real-time communication (for example, VoIP or telephone conference), or remote assistance.

Tips:

1. UPnP is enabled by default in this Mobile Wi-Fi.
2. Only the application supporting UPnP protocol can use this feature.
3. UPnP feature needs the support of operating system (e.g. Windows Vista/ Windows 7/ Windows 8, etc. Some of operating system need to install the UPnP components).

For example, when you connect your Xbox to the Mobile Wi-Fi which has connected to the internet to play online games, UPnP will send request to the Mobile Wi-Fi to open the corresponding ports allowing the following data penetrating the NAT to transmit. Therefore, you can play Xbox online games without a hitch.



If necessary, you can follow the steps to change the status of UPnP.

1. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to **Advanced** > **NAT Forwarding** > **Port Triggering** and click **Add**.
3. Go to **Advanced** > **NAT Forwarding** > **UPnP** and toggle on or off according to your needs.

UPnP

UPnP:

[Save](#)

UPnP Service List

Client Number: 2 [Refresh](#)

ID	Service Description	External Port	Proto...	Internal IP Address	Internal Port
1	XXX	2056-2088	TCP	192.168.0.108	4353
2	YYY	1010-1026	UDP	192.168.0.110	5525

Chapter 7

Customize Your Network

This chapter guides you on how to configure network settings of your Mobile Wi-Fi.

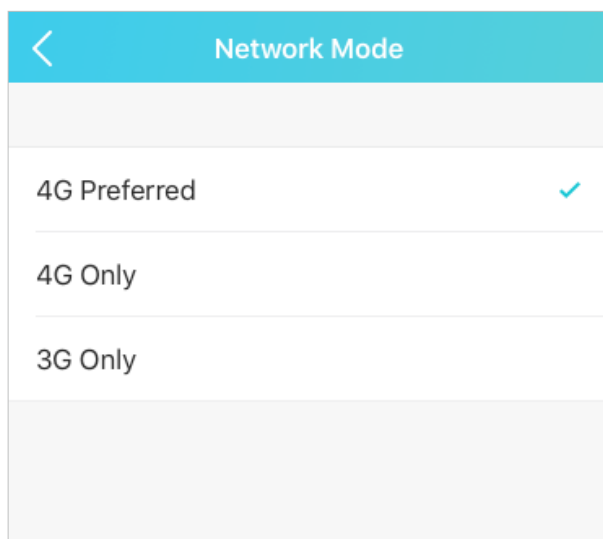
It contains the following sections:

- [Specify Network Mode](#)
- [Configure APN](#)
- [Configure DHCP Server](#)

7.1. Specify Network Mode

This Mobile Wi-Fi supports three modes of network connection: 4G Preferred, 4G Only and 3G Only. If your SIM card supports WCDMA, select 3G Only; if your SIM card supports FDD-LTE or TDD-LTE, select 4G Preferred or 4G Only as needed. In general, the 4G network is faster than the 3G one.

1. Open your tpMiFi app and log in with the password you set.
2. Go to [Tools](#) > [Internet Settings](#) > [Network Mode](#).
3. Select [4G Preferred](#), [4G Only](#) or [3G Only](#) as needed.




4. Tap [Done](#).

7.2. Configure APN

7.2.1. Configure APN Settings

If you are in a location beyond your mobile carrier's service area, you may need to configure the dial-up settings to access the internet provided by a local mobile carrier.

1. Open your tpMiFi app and log in with the password you set.
2. Go to [Tools](#) > [Internet Settings](#) > [APN Management](#).
3. Tap  to build an APN profile.
4. Specify a name for the profile and fill in the parameters provided by your carrier.

Cancel	Add APN	Done
Profile Name		
<u>Profile Name1</u>		
PDP Type	IPv6	
APN Type	Static	
APN		
<u>internet</u>		
Auth Type	NONE	

5. Tap **Done** and then tap **Yes** in the pop-up to apply the new profile.

■ **Note:**

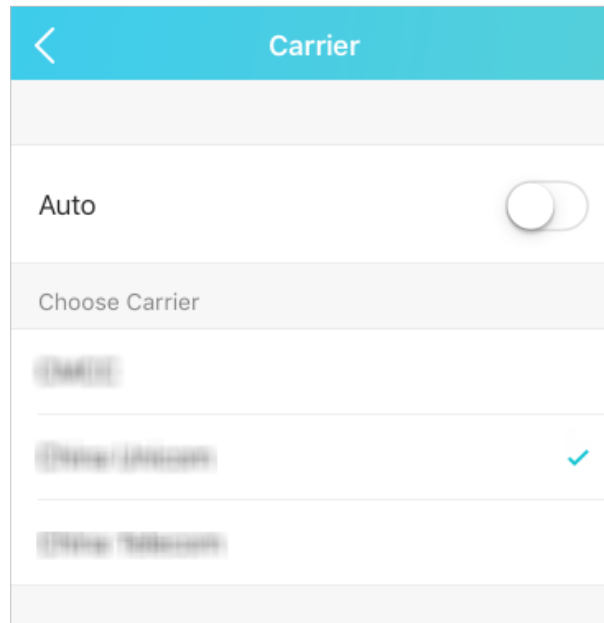
You can tap the APN name to check the current profile. If you want to edit the APN profile, slide left and tap **Edit** to change the APN profile.

7.2.2. Configure Network Search

The Mobile Wi-Fi provides two types of network connection: Auto and Manual.

- If you enable **Auto**, the Mobile Wi-Fi will automatically establish internet connection when it is started.
- If you disable **Auto**, the Mobile Wi-Fi will start searching for mobile networks. You can choose a network with better performance to connect to. The mobile carrier providing the network must be or have cooperation with your SIM card provider.

1. Open your tpMiFi app and log in with the password you set.
2. Go to **Tools > Internet Settings > Carrier**.
3. Enable or disable **Auto** as needed.



7.3. Configure DHCP Server

The Mobile Wi-Fi acts as a DHCP (Dynamic Host Configuration Protocol) server, dynamically assigning TCP/IP parameters to devices from the IP Address pool. You can change the settings of the DHCP server if necessary.

1. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to **Advanced > DHCP Server**.
3. Enter a new IP address in the **IP Address** field and leave the **Subnet Mask** as default. And enter the starting and ending IP addresses in the **Start** and **End IP Address** fields respectively.

■ Note:

1. The start and end IP addresses should be on the same network segment as the IP address you have entered.
2. If you have changed the IP address of your Mobile Wi-Fi, you should use the new IP address or <http://tplinkmifi.net> to log in to the web management page.

DHCP Server ?

IP Address:	<input type="text" value="192.168.0.1"/>
Subnet Mask:	<input type="text" value="255.255.255.0"/>
Start IP Address:	<input type="text" value="192.168.0.100"/>
End IP Address:	<input type="text" value="192.168.0.199"/>
Lease Time:	<input type="text" value="120"/> minutes (The default value is 120)
Primary DNS Server:	<input type="text" value="192.168.0.1"/>
Secondary DNS Server:	<input type="text" value="0.0.0.0"/> (Optional)

4. Enter the lease time in the [Lease Time](#) field. When the lease time expires, the Mobile Wi-Fi will reassign IP addresses.
5. Enter the primary DNS IP address which usually accords with the IP address.
6. Enter the secondary DNS IP address if provided by your carrier.
7. Click [Save](#).

Chapter 8

Manage Your Mobile Wi-Fi

This chapter presents how to manage and maintain your Mobile Wi-Fi.

It includes the following sections:

- [Save the Mobile Wi-Fi's Power](#)
- [Change Login Password](#)
- [Set Up System Time](#)
- [Restore Configuration Settings](#)
- [Update the Firmware](#)
- [Update ISP Parameters](#)
- [System Log](#)

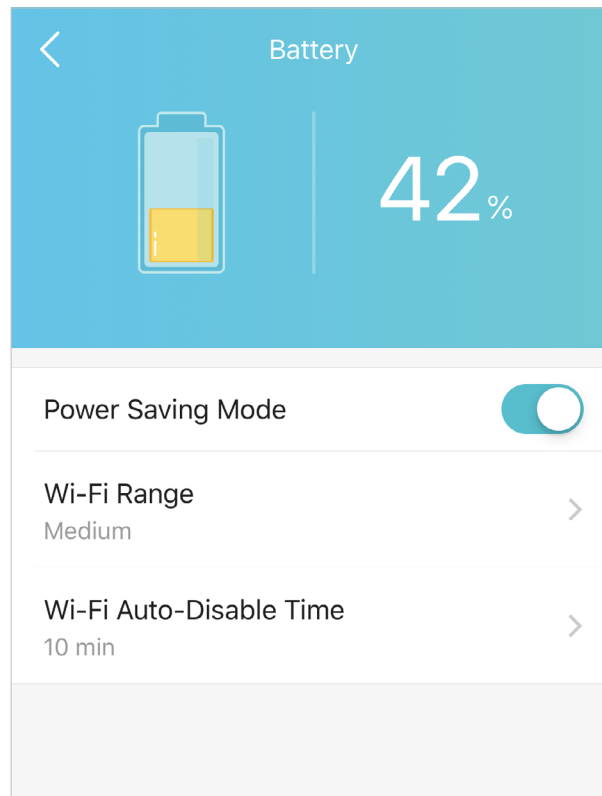
8. 1. Save the Mobile Wi-Fi's Power

The Power Saving feature allows you to slow down the power consumption of your Mobile Wi-Fi, by adjusting the Wi-Fi range or enabling the Wi-Fi Auto-disable Time feature.

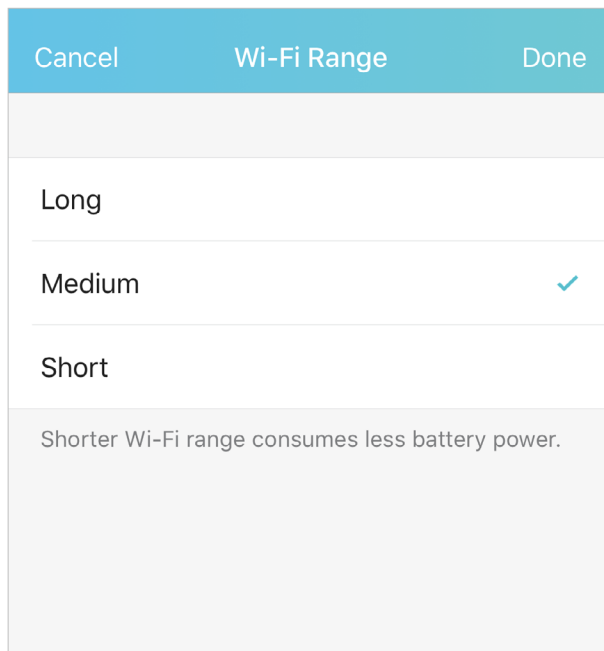
1. Open your tpMiFi app and log in with the password you set.
2. Go to [Tools > Battery](#) or tap [Battery](#) on the [Home](#) page.

- **To set Wi-Fi Range:**

1. Enable [Power Saving Mode](#).



2. Tap [Wi-Fi Range](#) and select [Long](#), [Medium](#) or [Short](#).



■ Note:

The shorter the Wi-Fi Range is, the less power your Mobile Wi-Fi uses.

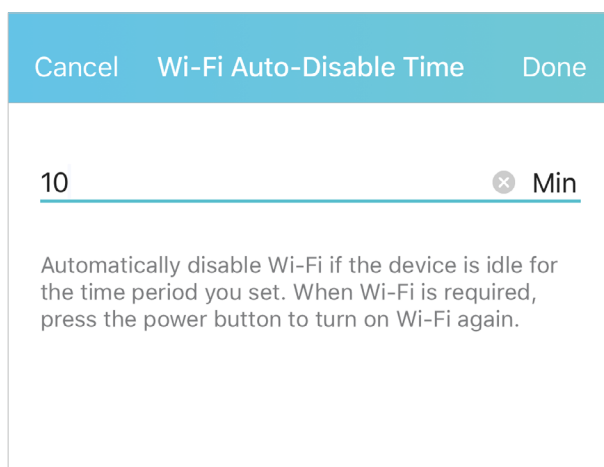
3. Tap **Done**.

4. Tap **Restart Wi-Fi** on the pop-up to make the configurations take effect, and then reconnect to the Wi-Fi after it restarts.

• **To set Wi-Fi Auto-disable Time:**

1. Enable **Power Saving Mode**.

2. Tap **Wi-Fi Auto-Disable Time** and specify the time.



3. Tap **Done**. If there are no devices connected to the Mobile Wi-Fi for the time you specified, the Wi-Fi will be disabled automatically.

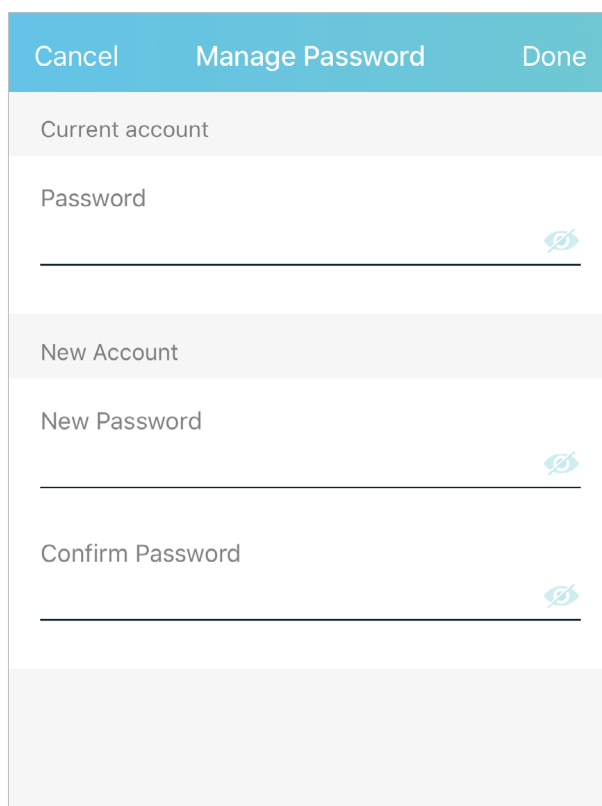
■ Note:

To resume the Wi-Fi, press the Power button.

8.2. Change Login Password

This feature allows you to change your login password of the web management page.

1. Open your tpMiFi app and log in with the password you set.
2. Go to **Tools > System Tools > Manage Password**.
3. Enter the current password. Then enter the new password twice (case-sensitive) and tap **Done**.



4. Use the new password for future logins.

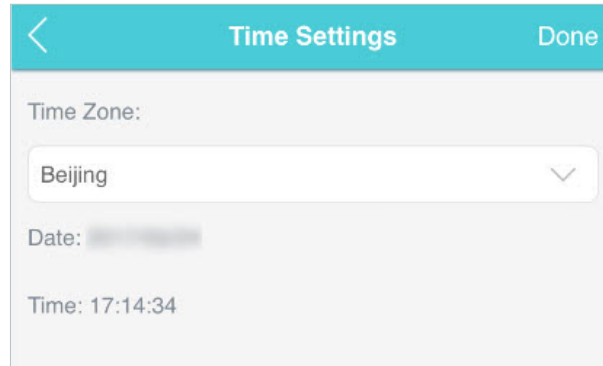
8.3. Set Up System Time

The system time you configure here will be used for time-based functions.

Note:

Make sure your Mobile Wi-Fi has access to the internet. Otherwise, it can not synchronize the current time.

1. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to **Device > Advanced > Time Settings**.
3. Select your local **Time Zone** from the drop-down list.



4. Tap **Done**.

8.4. Restore Configuration Settings

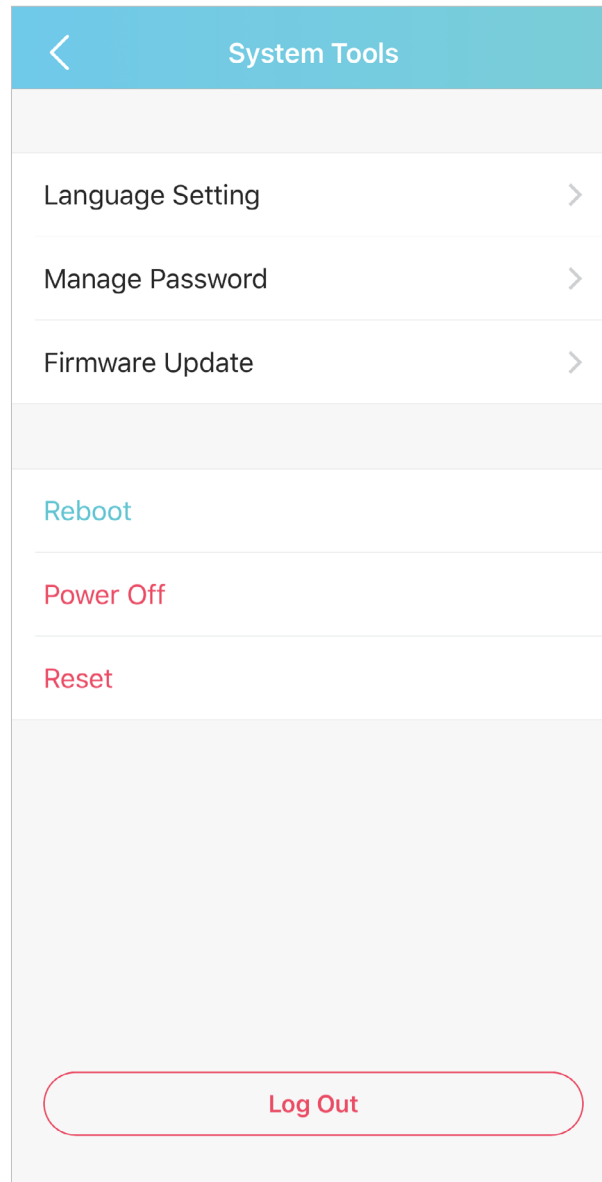
The Factory Defaults feature allows you to restore your Mobile Wi-Fi to its factory defaults. After you restore your Mobile Wi-Fi, all previous settings will be cleared and you have to reconfigure them.

Method One: Via the Reset button

With the Mobile Wi-Fi powered on, remove the cover. Use a pin to press and hold the Reset button until all LEDs turn on momentarily.

Method Two: Via the tpMiFi App

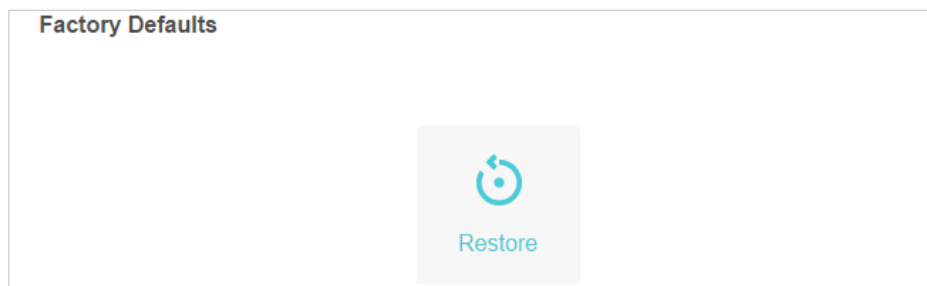
1. Open your tpMiFi app and log in with the password you set.
2. Go to **Tools > System Tools**.
3. Tap **Reset**.



4. Tap **Reset** on the pop-up and then wait for the Mobile WiFi to reboot and reset.

Method Three: Via the web page

1. On your computer or tablet, visit <http://tplinkmifi.net> and log in with the password you set for the Mobile Wi-Fi.
2. Go to **Advanced > Device > Factory Defaults**.
3. Click **Restore**.



4. Wait a few minutes for the restore to complete and the Mobile Wi-Fi to restart.

■ Note: During the resetting process, do not power off the Mobile Wi-Fi.

8.5. Update the Firmware

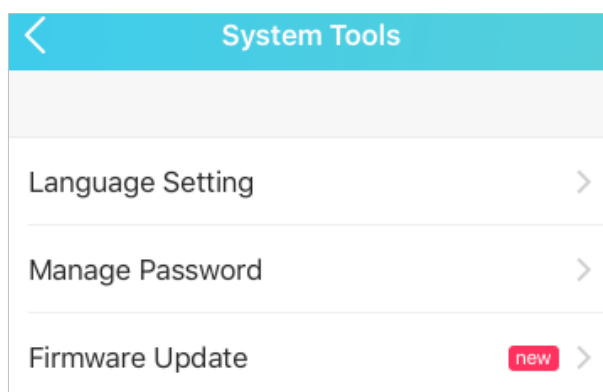
TP-Link is committed to improving product features, giving you a better network experience. We will inform you on your toMiFi app and the web management page if there's any newly released update firmware. Also, you can download it from the Support page of our website www.tp-link.com.

■ Note:

1. Make sure the latest firmware file is matched with the hardware version (as shown in the Download section of the Support page).
2. Make sure that you have a stable connection between the Mobile Wi-Fi and your computer.
3. Do NOT power off the Mobile Wi-Fi during the firmware update and make sure it has sufficient power.

- **To update the firmware via tpMiFi app**

1. Open your tpMiFi app and log in with the password you set.
2. Go to **Tools > System Tools**. If there is new in the **Firmware Update** section, it means a new firmware version is available.



3. Tap **Firmware Update** and the Mobile WiFi will start checking for new firmware.

4. Click **Update Now**.

5. Wait a few minutes for the update to complete and the Mobile Wi-Fi to restart.

- **To update the firmware locally via web management page:**

1. Download the latest firmware file for your Mobile Wi-Fi from our website www.tp-link.com.
2. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
3. Go to [Advanced](#) > [Device](#) > [Firmware Update](#).
4. Select [Update via the local server](#), click [Browse](#) to locate the downloaded file, and then click [Update](#).

The screenshot shows the 'Firmware Update' interface. At the top, it says 'Firmware Update' with a help icon. Below that, 'Firmware Version:' is followed by a blurred version number. There are two radio button options: 'Update via the cloud server' (unselected) and 'Update via the local server' (selected). Below the local server option is a greyed-out text input field and a teal 'Browse' button. At the bottom right, there is a grey 'Update' button.

5. Wait a few minutes for the update to complete and the mobile Wi-Fi to restart.

- **To update the firmware online via web management page:**

1. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to [Advanced](#) > [Device](#) > [Firmware Update](#).
3. Select [Update via the cloud server](#).
4. Click [Update](#).

The screenshot shows the 'Firmware Update' interface. At the top, it says 'Firmware Update' with a help icon. Below that, 'Firmware Version:' is followed by a blurred version number. There are two radio button options: 'Update via the cloud server' (selected) and 'Update via the local server' (unselected). Below the cloud server option is a teal 'Check for Updates' button. Below that, it says 'New Version: 1.0.5 (2.51MB) [Release Note](#)'. At the bottom right, there is a teal 'Update' button.

5. Wait a few minutes for the update to complete and the Mobile Wi-Fi to restart.

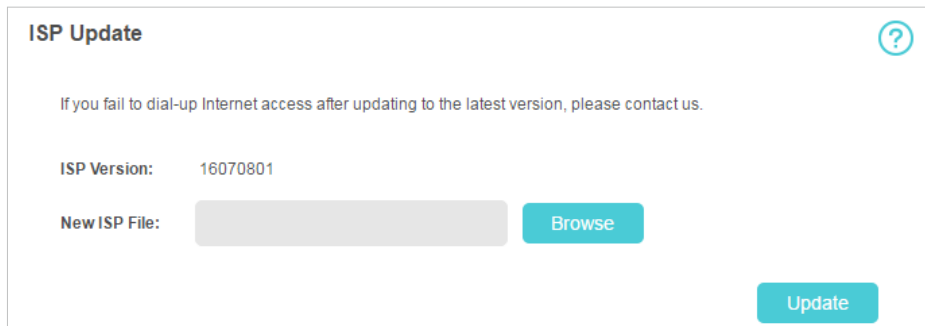
Note:

To download the latest firmware file, you can also click the New Version number, such as [1.0.5](#) in the page above. To view update details, click [Release Note](#).

8.6. Update ISP Parameters

You can update the ISP information.

1. Download the latest ISP update file from the Support page at www.tp-link.com.
2. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
3. Go to [Advanced](#) > [Dial-up](#) > [ISP Update](#).
4. Click [Browse](#) to locate the downloaded file.
5. Click [Update](#).



The screenshot shows the 'ISP Update' web interface. At the top left is the title 'ISP Update' and a help icon (question mark in a circle) at the top right. Below the title is a warning message: 'If you fail to dial-up Internet access after updating to the latest version, please contact us.' Underneath, there is a label 'ISP Version:' followed by the value '16070801'. Below that is a label 'New ISP File:' followed by a text input field and a teal 'Browse' button. At the bottom right of the form is a teal 'Update' button.

8.7. System Log

When the Mobile Wi-Fi does not work normally, you can save the system log and send it to our technical support for troubleshooting.

- **To save the system logs locally:**
 1. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
 2. Go to [Advanced](#) > [Device](#) > [System Log](#).
 3. Click [Save Logs](#) to save the logs to your local device.

System Log

Log Type: ALL Log Level: ALL Refresh Clear

ID	Time	Type	Level	Content
1	01-03 00:01:02	WLAN	INFO	DHCPS: Recv INFORM from 11-22-33-44-55-66FAXCVZDFAWFEAWFEAFVDGVDGVAWEGWE...
2	01-01 00:01:03	DHCP	NOTICE	DHCPS: Recv INFORM from 11-22-33-44-55-66
3	01-02 00:01:04	4G	WARNING	DHCPS: Recv INFORM from 11-22-33-44-55-66
4	01-01 00:01:03	SMS	ERROR	DHCPS: Recv INFORM from 11-22-33-44-55-66
5	01-02 00:01:04	SYSTEM	INFO	DHCPS: Recv INFORM from 11-22-33-44-55-66
6	01-02 00:01:04	OTHER	INFO	DHCPS: Recv INFORM from 11-22-33-44-55-66
7	01-01 00:01:03		INFO	DHCPS: Recv INFORM from 11-22-33-44-55-66
8	01-02 00:01:04	DHCP	INFO	DHCPS: Recv INFORM from 11-22-33-44-55-66

Page to GO

Save Logs

FAQ

Q1. What should I do if I forget the login password of my tpMiFi app?

- The default password is “[admin](#)”.
- If you have change the login password, use that instead.
- If you still cannot log in, please reset your Mobile WiFi device and log in with the default password.

Q2. What should I do if the Internet LED doesn't light up (I cannot access the internet)?

• Check PIN status

Log in to the web management page on your phone. If the current SIM card status is [PIN Locked](#), you will need to unlock it using the PIN code provided by your mobile carrier.

• Verify the mobile carrier parameters

1) Log in to the tpMiFi app. Go to [Tools](#) > [Internet Settings](#) and tap the VPN to verify the parameters (i.e. APN, Username, and Password) provided by your mobile carrier are correctly entered.

2) If the mobile carrier parameters are not correct, return to the [Internet Settings](#) page and slide the APN profile left and tap [Edit](#) to change the settings.

• Check the Data Roaming settings

If your SIM card is operated in a roaming service area, log in to the web management page on your phone. Log in to the tpMiFi app and go to [Tools](#) > [Internet Settings](#) and enable the [Data Roaming](#) option.

• Check Mobile Data

Log in to the tpMiFi app and go to [Tools](#) > [Internet Settings](#) to verify that [Mobile Data](#) is enabled. If not, enable it.

• Check Data Limit

Log in to the tpMiFi app and go to [Tools](#) > [Data Usage Settings](#) to check whether your data usage has exceeded the Total/Monthly allowance.


Q3. What should I do if my internet speed is slow?

Log in to the tpMiFi app and go to [Tools](#) > [Internet Settings](#) > [Network Mode](#) and try a different network.

Q4. How do I reset the Mobile Wi-Fi to its factory default settings?

- With the Mobile Wi-Fi powered on, remove the cover. Use a pin to press and hold the Reset button until all LEDs turn on momentarily.
- Log in to the tpMiFi app and go to [Tools](#) > [System Tools](#) and tap [Reset](#).
- On your computer or tablet, log in to the Mobile Wi-Fi's web management page. Go to [Advanced](#) > [Device](#) > [Factory Defaults](#) and click [Restore](#).

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CE Mark Warning



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

OPERATING FREQUENCY(the maximum transmitted power)

2400MHz—2483.5MHz (20dBm)

WCDMA: (24dBm+1/-3dB)

LTE: (23dBm±2.7dB)

EU declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 2011/65/EU and (EU)2015/863.

The original EU declaration of conformity may be found at <https://www.tp-link.com/en/ce>

RF Exposure Information

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

This device has been tested and meets the ICNIRP exposure guidelines and the European Standard EN 62209-2. SAR is measured with this device at a separation of 0.5 cm to the body, while transmitting at the highest certified output power level in all frequency bands of this device. Carry this device at least 0.5 cm away from your body to ensure exposure levels remain at or below the as-tested levels.

NCC Notice

注意!

依據 低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性或功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信規定作業之無線電信。低功率射頻電機需忍受合法通信或工業、科學以及醫療用電波輻射性電機設備之干擾。

減少電磁波影響，請妥適使用。

BSMI Notice

安全諮詢及注意事項

- 請使用原裝電源供應器或只能按照本產品注明的電源類型使用本產品。
- 清潔本產品之前請先拔掉電源線。請勿使用液體、噴霧清潔劑或濕布進行清潔。
- 注意防潮，請勿將水或其他液體潑灑到本產品上。
- 插槽與開口供通風使用，以確保本產品的操作可靠並防止過熱，請勿堵塞或覆蓋開口。
- 請勿將本產品置放於靠近熱源的地方。除非有正常的通風，否則不可放在密閉位置中。
- 請不要私自打開機殼，不要嘗試自行維修本產品，請由授權的專業人士進行此項工作。

限用物質含有情況標示聲明書

產品元件名稱	限用物質及其化學符號					
	鉛 Pb	鎘 Cd	汞 Hg	六價鉻 CrVI	多溴聯苯 PBB	多溴二苯醚 PBDE
PCB	○	○	○	○	○	○
外殼	○	○	○	○	○	○
鋰電池	○	○	○	○	○	○

備考 1. "超出 0.1 wt %" 及 "超出 0.01 wt %" 系指限用物質之百分比含量超出百分比含量基準值。
備考 2. "○" 系指該項限用物質之百分比含量未超出百分比含量基準值。
備考 3. "—" 系指該項限用物質為排除項目。



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Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended
- Do not use the device where wireless devices are not allowed.

- Do not disassemble, crush, puncture, short external contacts, or dispose of the battery in fire or water.
- CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

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

Explanations of the symbols on the product label

Symbol	Explanation
	DC voltage
	<p>RECYCLING</p> <p>This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.</p> <p>User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.</p>