



User Guide

4G LTE Mobile Wi-Fi
M7200

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FAQ46

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 the Mobile Wi-Fi may vary by model and software version. Mobile Wi-Fi 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 Mobile Wi-Fi 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 www.tp-link.com/support.

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 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

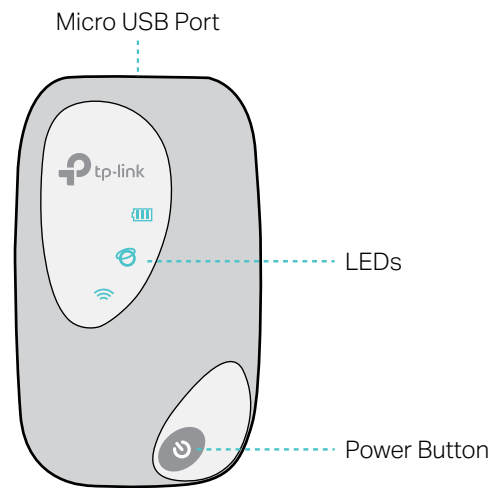
The TP-Link Mobile Wi-Fi features a compact, elegant design and rechargeable powerful battery very suitable for travel, business trips and outdoor activities. With added flexibility, the device can be charged via a micro USB cable connected to an adapter, laptop or portable charger for endless hours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

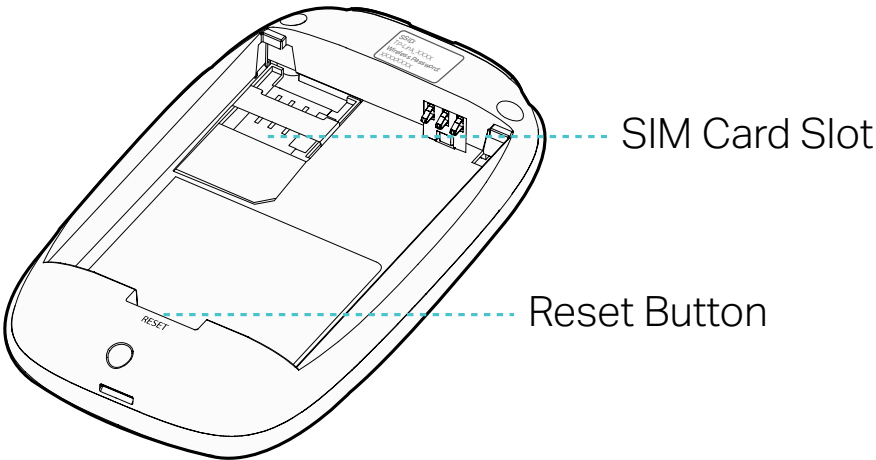
LED	Status	Indication
 (Wi-Fi)	On	Wi-Fi is enabled.
	Off	Wi-Fi is disabled.
 (Internet)	On	Internet service is available.
	Off	Internet service is unavailable.
 (Battery)	On	Power is on.
	Off	Power is off.
	Blinking Red	The battery level is lower than 10%.
	Blinking Green	The Mobile Wi-Fi is charging.

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	• 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

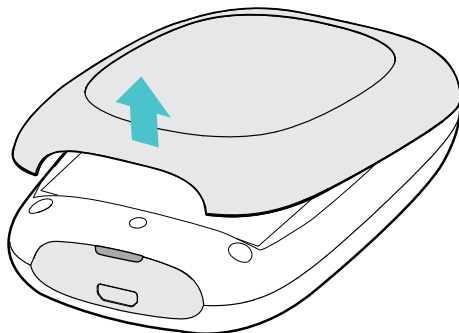
This chapter introduces how to install the Mobile Wi-Fi and connect your wireless or smart devices to the internet.

It includes the following sections:

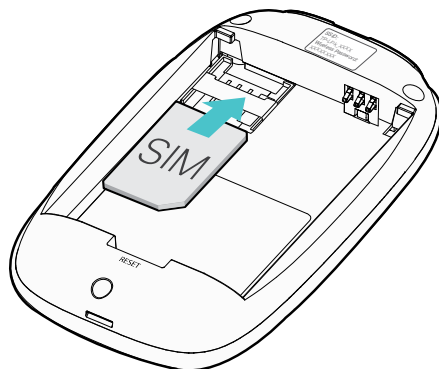
- [Install the Mobile Wi-Fi](#)
- [Connect to the Internet](#)

2. 1. Install the Mobile Wi-Fi

1. Remove the back cover.



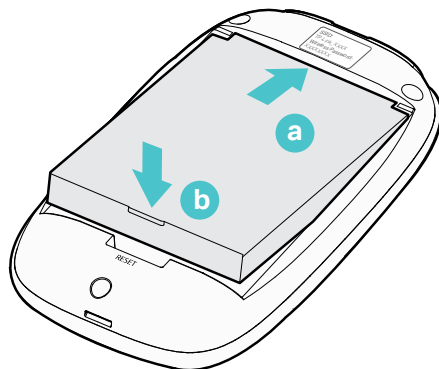
2. Insert your SIM card.



■ Note:

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

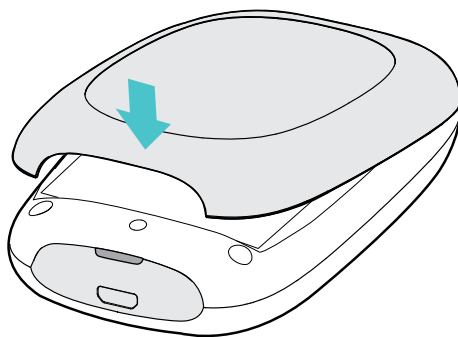
3. Install the provided battery.



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:

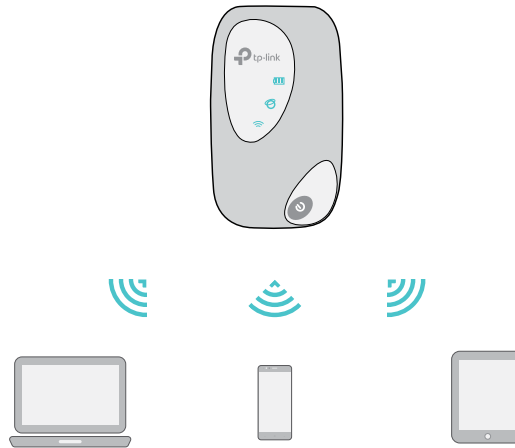
- To power off, press and hold the Power button until all the LEDs are off.
- If the Internet LED doesn't light up, refer to [FAQ > Q2](#).

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 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.

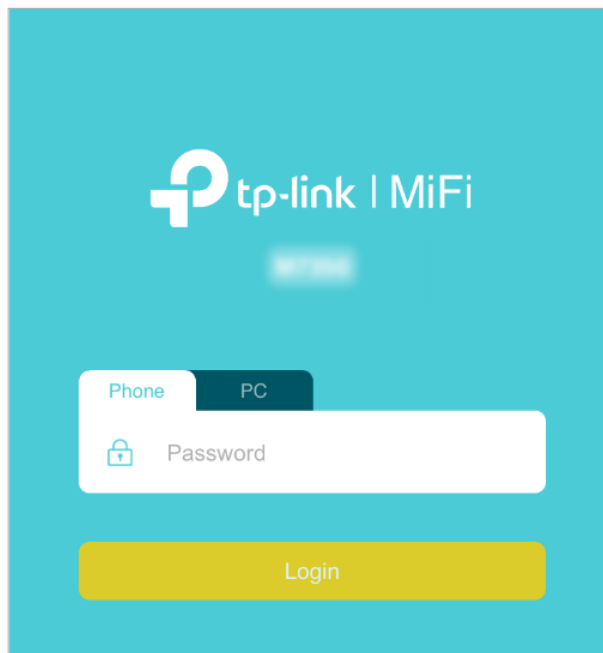
Before login, make sure your device is connected to the Mobile Wi-Fi's SSID.

This chapter includes the following sections:

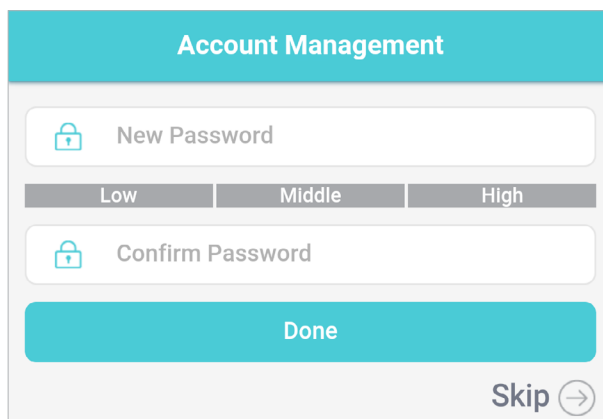
- [Via Phone Login Entry](#)
- [Via PC Login Entry](#)
- [Via tpMiFi App](#)

3.1. Via Phone Login Entry

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



1. Create a new login password for security purposes and click [Done](#).

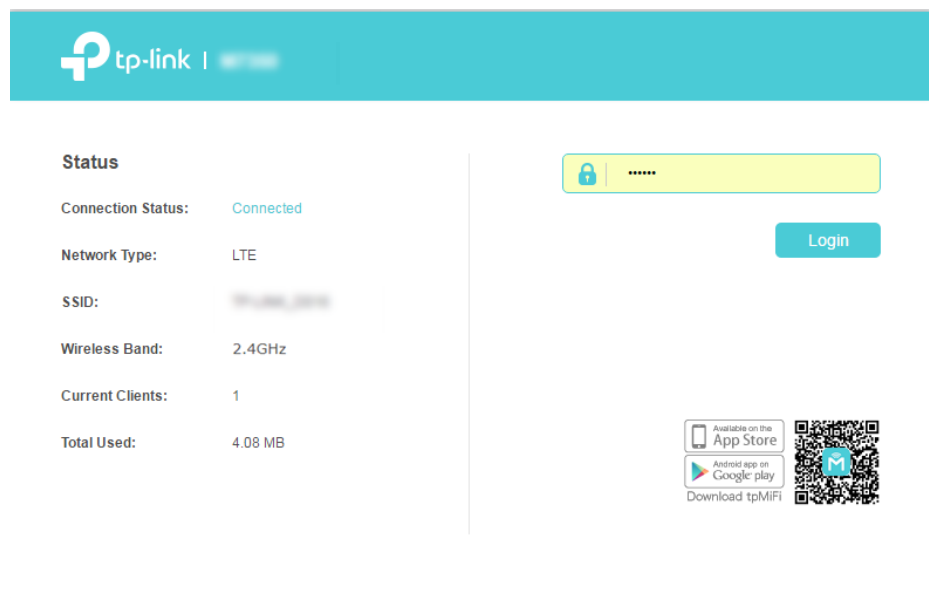


2. Use the password you just created for future logins

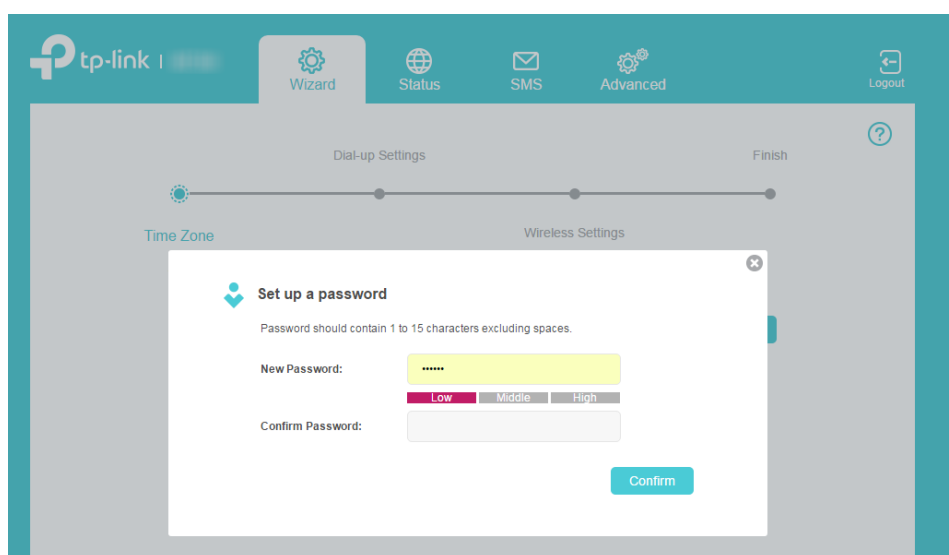
3.2. Via PC Login Entry

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 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](#).

The login screen of the tpMiFi app. At the top center is a teal square icon with a white 'M' and a Wi-Fi signal symbol. Below the icon, the word 'Password' is displayed in teal. Underneath is a horizontal teal line representing 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, the text 'Forgot Password?' is displayed in teal.

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

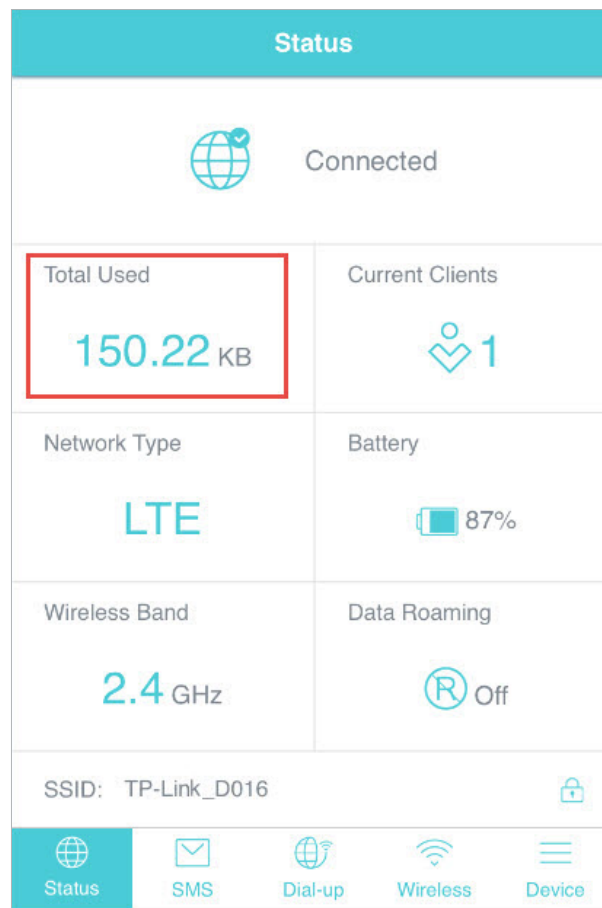
- [Track Data Usage](#)
- [Limit Data Usage](#)
- [Set Up Free Data Period](#)
- [Enable Mobile Data](#)
- [Enable Data Roaming](#)

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 Web Management Page

1. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. You can view the data usage on the [Status](#) page as shown below.



Note:

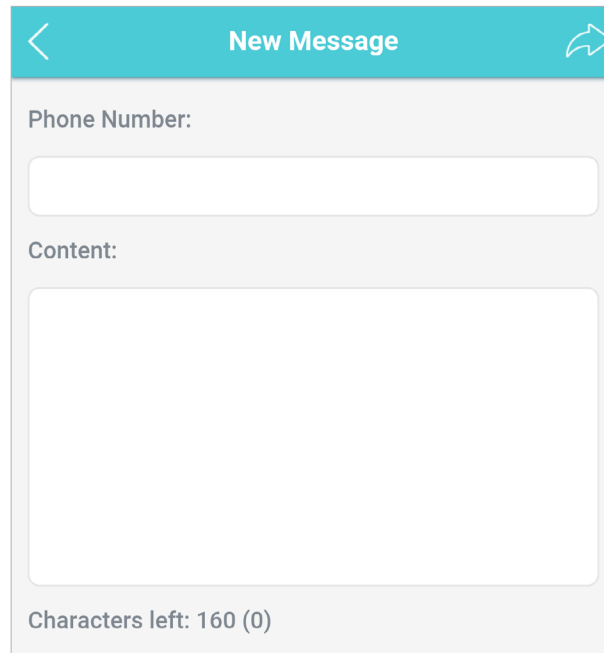
1. Actual data usage may vary from the estimated data usage displayed on the usage meter.
2. The page above displays the monthly data usage if you have enabled Monthly Data Statistics.

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. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.

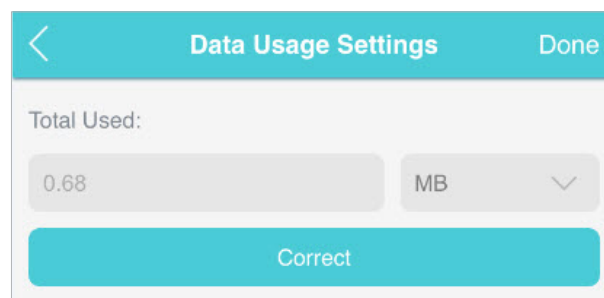
2. Go to [SMS](#).
3. Tap [New Message](#).
4. Create a message to your carrier and then tap  to send it. And a few minutes later, you will receive a message of data usage information. For the phone number and message content, check from your carrier.



4. 1. 3. [Revise Data Usage](#)

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

1. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to [Device](#) > [Data Usage Settings](#).
3. The figure below displays the current data usage. Tap [Correct](#), enter a more 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

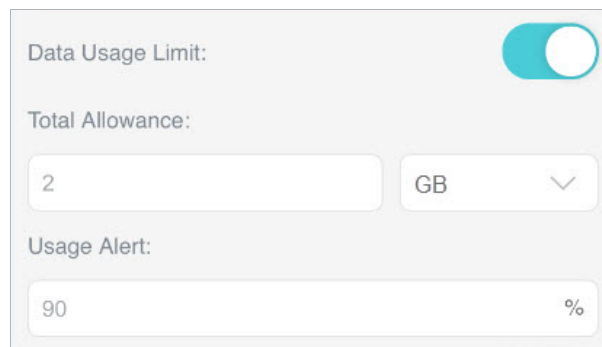
I want to:

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. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to [Device](#) > [Data Usage Settings](#).
3. Enable [Data Usage Limit](#).
4. Enter 2 in [Total Allowance](#) field and specify [GB](#) as the unit of measure. To inform you that 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.
5. Set 90 as the [Usage Alert](#) percentage. To inform you that your data usage has reached the alert value, the data usage value on the [Status](#) page will turn orange.



The screenshot shows a settings panel for 'Data Usage Limit'. At the top right is a toggle switch that is turned on. Below it is the 'Total Allowance' section, which includes a text input field containing the number '2' and a dropdown menu currently set to 'GB'. The 'Usage Alert' section features a text input field containing '90' and a percentage symbol icon to its right.

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:

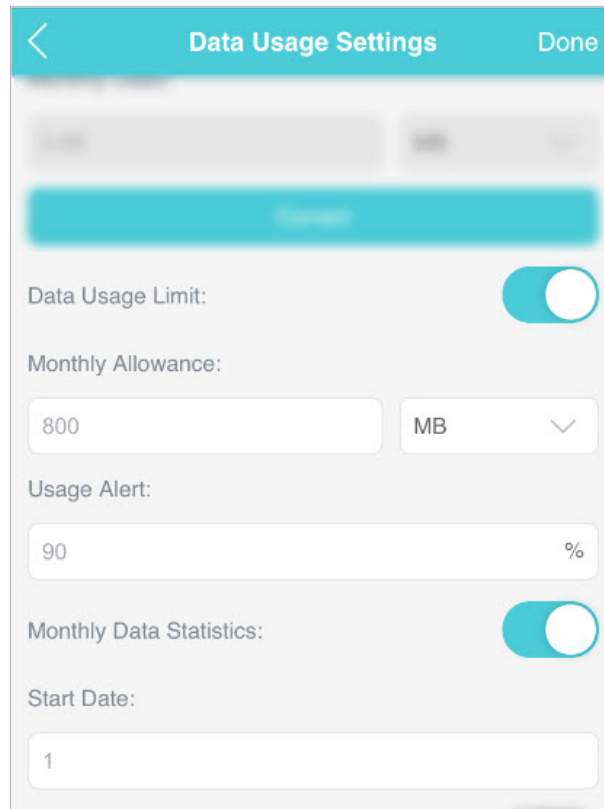
1. Receive an alert when the data usage reaches 90% of the allowance (720MB).
2. Disable the internet access automatically when it reaches the allowance (800MB).

How can I do that?

1. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to **Device > Data Usage Settings**.
3. Enable **Data Usage Limit** and **Monthly Data Statistics**.
4. Enter 800 in **Monthly Allowance** field and specify **MB** as the unit of measure. To inform you that 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.
5. Set 90 as the **Usage Alert** percentage. To inform you that your data usage has reached the alert value, the data usage value on the **Status** page will turn orange.
6. Enter the **Start Date**.

Note:

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



7. Tap **Done**.

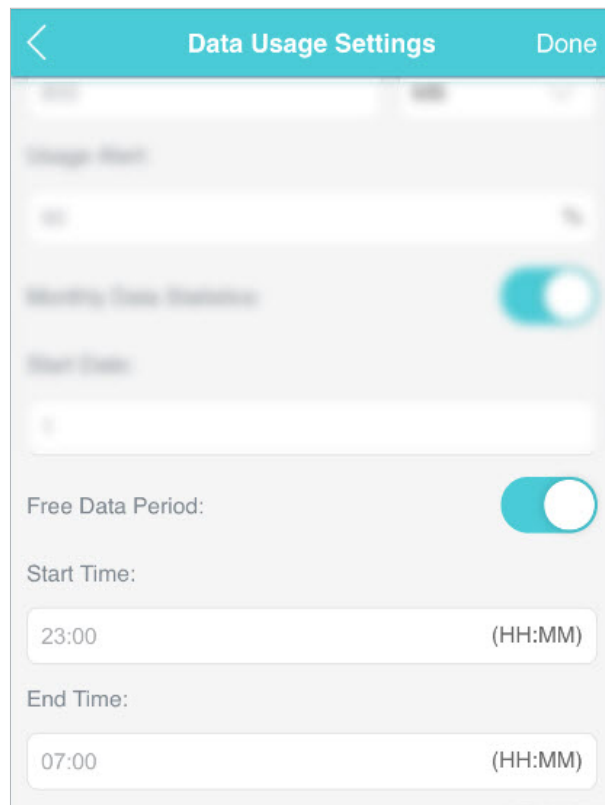
Done!

Now your data usage is limited according to your settings.

4.3. 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. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to **Device > Data Usage Settings**.
3. Enable **Free Data Period**.
4. Enter the **Start Time** and **End Time** of Free Data Period.

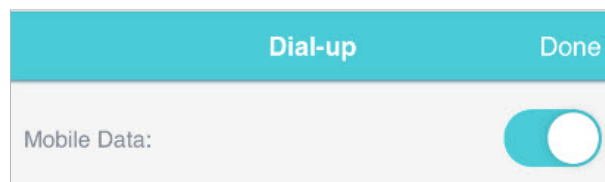


5. Tap **Done**.

4. 4. 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. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to **Dial-up**.
3. Enable **Mobile Data**.

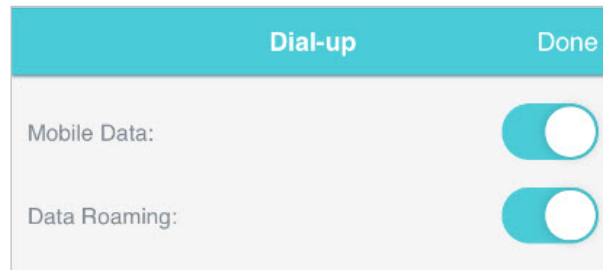


4. Tap **Done**.

4.5. Enable Data Roaming

If you are out of your carrier's service area, the  icon will appear on the Mobile Wi-Fi's PC management page, and you will need to enable data roaming to access the internet.

1. Visit <http://tplinkmifi.net>, and log in with the password you set for the mobile Wi-Fi.
2. Go to [Dial-up](#).
3. Enable [Data Roaming](#).



4. Tap [Done](#).

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

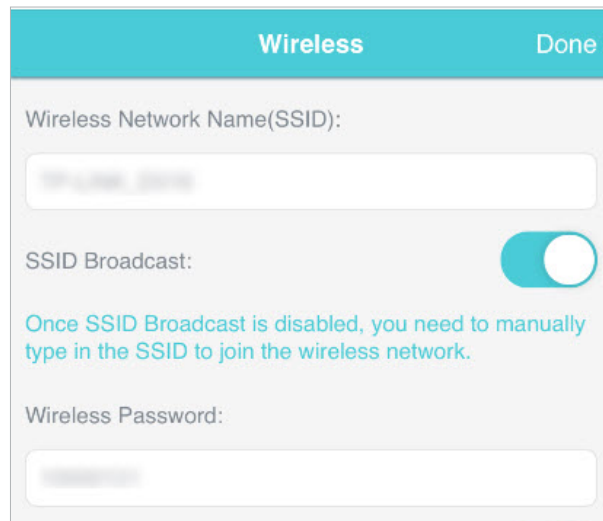
The SSID (wireless network name), wireless password of the Mobile Wi-Fi and security options are preset as default. The default SSID and password can be found inside the back cover of your Mobile Wi-Fi. You can customize the wireless settings as needed.

1. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.

2. Go to [Wireless](#).

- **To change the SSID and wireless password:**

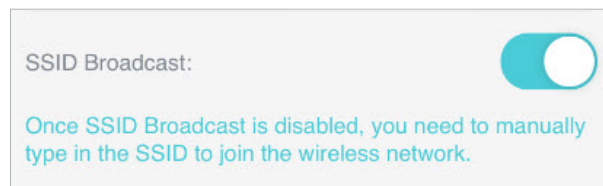
1. Enter a new SSID and wireless password in the [Wireless Network Name](#) and [Wireless Password](#) fields respectively.



2. Tap [Done](#).

- **To hide the SSID:**

1. Toggle off [SSID Broadcast](#), so the SSID will not be displayed when you scan for wireless networks.



2. Tap [Done](#).

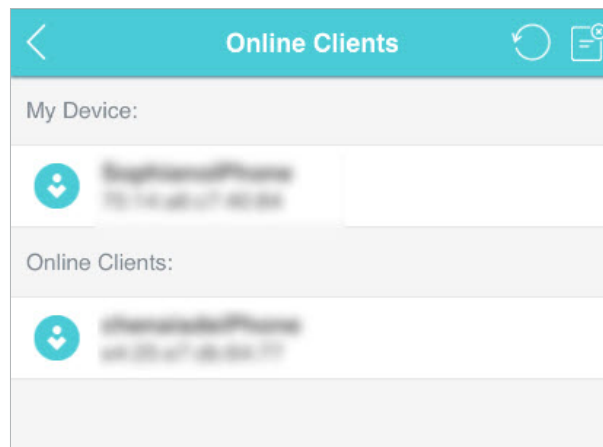
■ **Note:**

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.

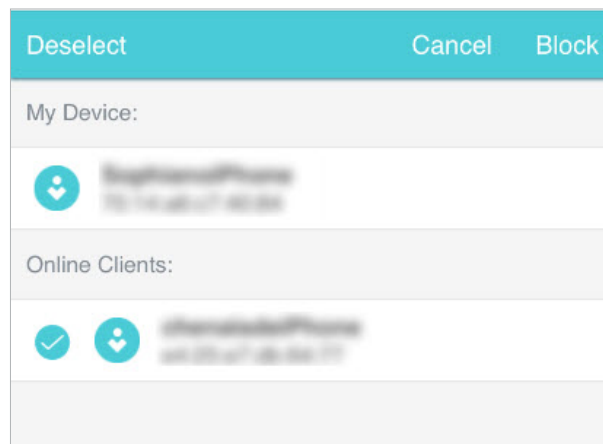
5.2. Block Unwelcome Devices

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

1. Visit <http://tplinkmifi.net>, and log in with the password you set for the mobile Wi-Fi.
2. Go to **Status > Current Clients**.
3. Tap .



4. Select the device(s) that you want to block from the **Online Clients** list.



5. Tap **Block**.

5.3. Lock SIM Card

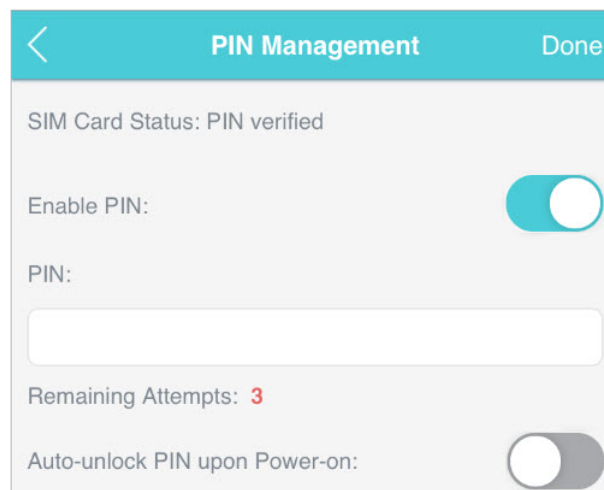
This feature allows you to lock your SIM card with the **PIN** lock. Once the **PIN** lock is enabled, every time you start your Mobile Wi-Fi or another device (such

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 upon Power-on](#) 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. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to [Device](#) > [Advanced](#) > [PIN Management](#). Toggle on [Enable PIN](#).
3. Enter the PIN code of your SIM card.



4. Tap [Done](#).

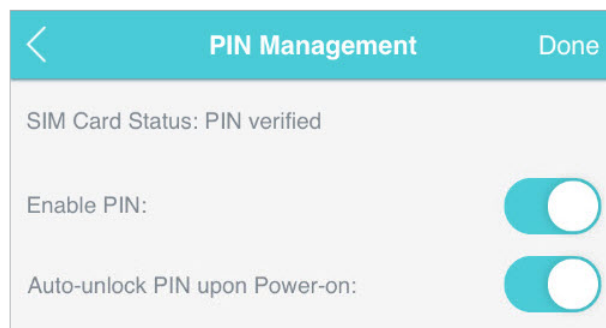
5. Visit <http://tplinkmifi.net> and enter the PIN code to access the internet every time you start your Mobile Wi-Fi.

■ **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 upon Power-on:**

1. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to [Device](#) > [Advanced](#) > [PIN Management](#).
3. Enable [Auto-unlock PIN upon Power-on](#).



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. 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](#) > [Dial-up](#) > [PIN Management](#).

3. If SIM Card Status is disabled, select [Enable](#) from the drop-down list, enter the PIN code of your SIM card, and then click [Apply](#).

4. Select [Modify](#) from the drop-down list.

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

A screenshot of the "PIN Management" web interface. The title "PIN Management" is at the top left, and a help icon (?) is at the top right. The "SIM Card Status:" is "PIN verified". Below this, the "PIN Management:" dropdown menu is set to "Modify". There are three input fields: "PIN:" with the value "1234", "New PIN:" with the value "12345", and "Confirm PIN:" with the value "12345". To the right of the "PIN:" field, it says "Remaining Attempts: 3". At the bottom, the "Auto-unlock PIN upon Power-on:" toggle switch is turned on (teal). An "Apply" button is located at the bottom right.

6. Click [Apply](#).

7. 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.

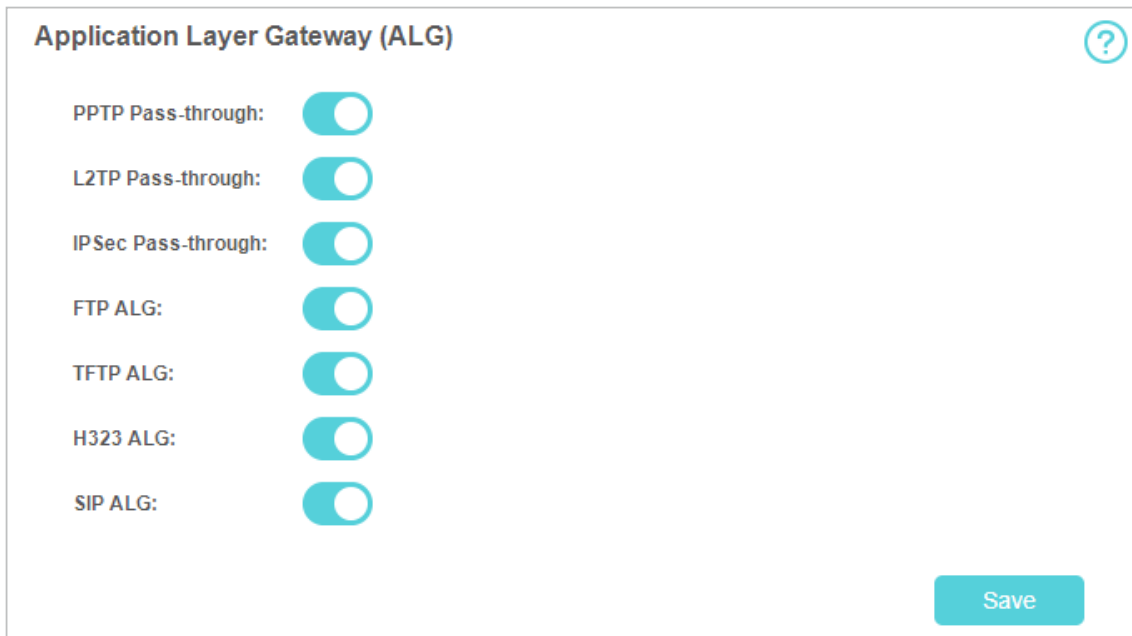
This chapter contains the following sections:

- [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:

If you have changed the default [External Port](#), you should use [http://WAN IP: External Port](#) or [http://domain name: 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

ID	Application	Triggering Port	Triggering Protocol	External Port	External Protocol	Status	Modify
--	--	--	--	--	--	--	--

Application: [View Existing Applications](#)

Triggering Port: (XX)

Triggering Protocol: ▼

External Port: (XX or XX-XX or XX,XX-XX)

External Protocol: ▼

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.

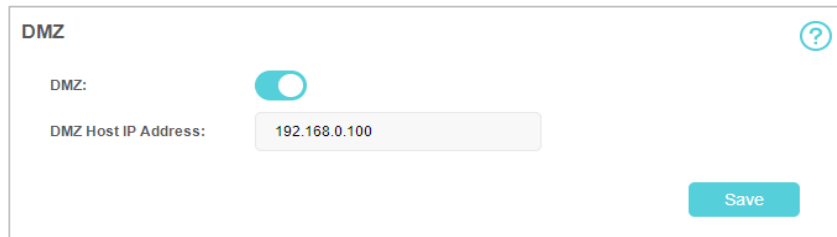
I want to:

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.



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.

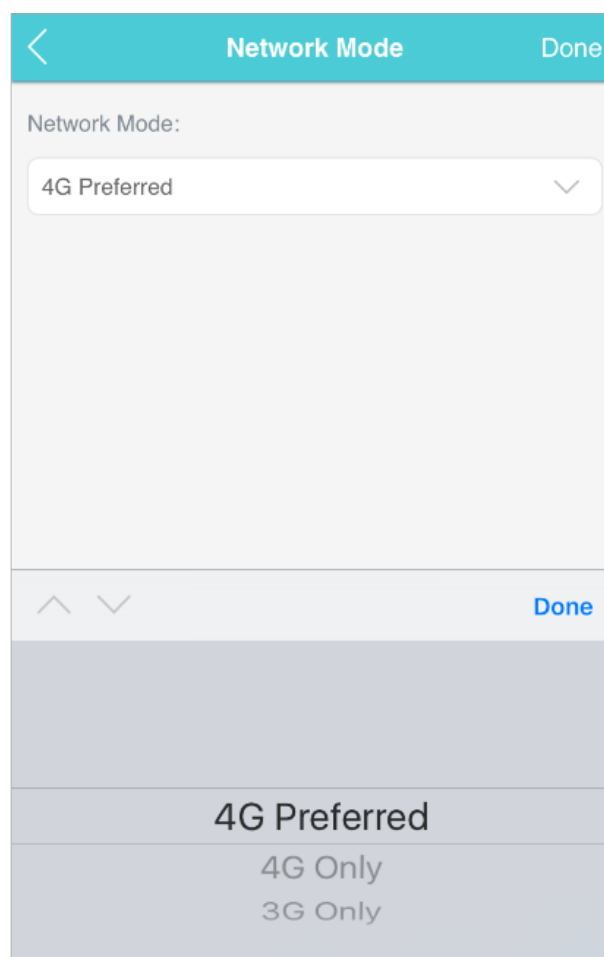
It contains the following sections:

- [Specify Network Mode](#)
- [Configure Dial-up](#)
- [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. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to [Device](#) > [Advanced](#) > [Network Mode](#).
3. Select [4G Preferred](#), [4G Only](#) or [3G Only](#) as needed.



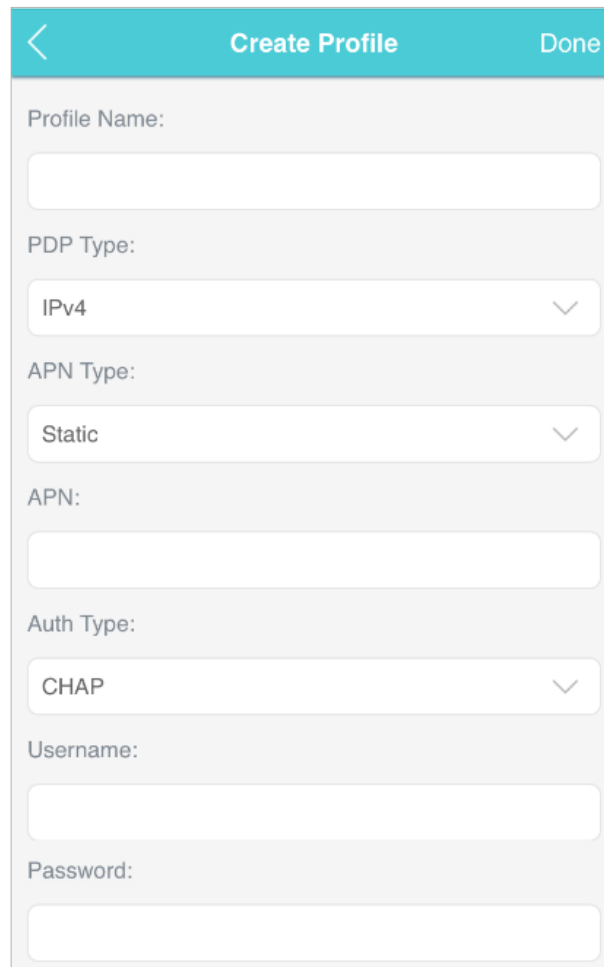
4. Tap [Done](#).

7.2. Configure Dial-up

7.2.1. Configure Dial-up 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. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to [Dial-up](#).
3. Tap [Create](#) to build a dial-up profile.
4. Specify a name for the profile and fill in the parameters provided by your carrier.



The screenshot shows the 'Create Profile' screen in the TPLINK MIFI app. The header is teal with a back arrow on the left, 'Create Profile' in the center, and 'Done' on the right. The form contains the following fields:

- Profile Name: A text input field.
- PDP Type: A dropdown menu with 'IPv4' selected.
- APN Type: A dropdown menu with 'Static' selected.
- APN: A text input field.
- Auth Type: A dropdown menu with 'CHAP' selected.
- Username: A text input field.
- Password: A text input field.

5. Tap [Done](#) and then tap [Yes](#) in the pop-up to apply the new profile.

■ Note:

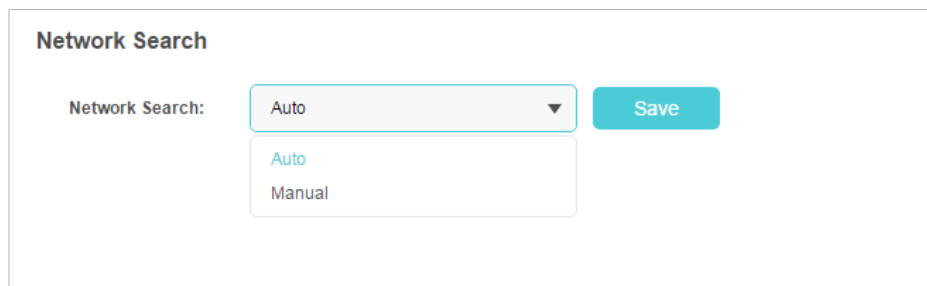
1. Mobile Data is enabled by default. If disabled, internet access is prohibited.
2. Data Roaming is disabled by default. If enabled, data service is allowed when roaming.

3. You can click [View profile details](#) to check the current profile. If any parameter is wrong, you can click [Create](#) to build a new one.

7.2.2. Configure Network Search

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

- **Auto:** The Mobile Wi-Fi will automatically establish internet connection when it is started.
 - **Manual:** When you have selected **Manual**, click **Search** and the Mobile Wi-Fi will scan 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. 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 > Dial-up > Network Settings**.
 3. Select **Auto** or **Manual** for **Network Search** as needed.



The screenshot shows a web interface titled "Network Search". On the left, the text "Network Search:" is followed by a dropdown menu. The dropdown menu currently displays "Auto". Below the dropdown, there is a list box containing two items: "Auto" and "Manual". To the right of the dropdown menu is a blue button labeled "Save".

4. Click **Save**.

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:

192.168.0.1

Subnet Mask:

255.255.255.0

Start IP Address:

192.168.0.100

End IP Address:

192.168.0.199

Lease Time:

120

minutes (The default value is 120)

Primary DNS Server:

192.168.0.1

Secondary DNS Server:

0.0.0.0

(Optional)

Save

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.

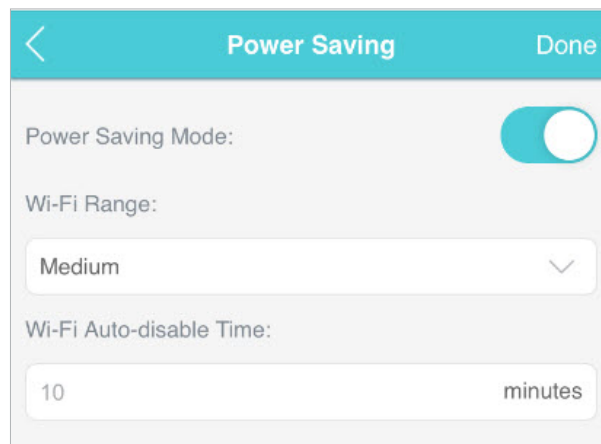
It includes the following sections:

- [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.

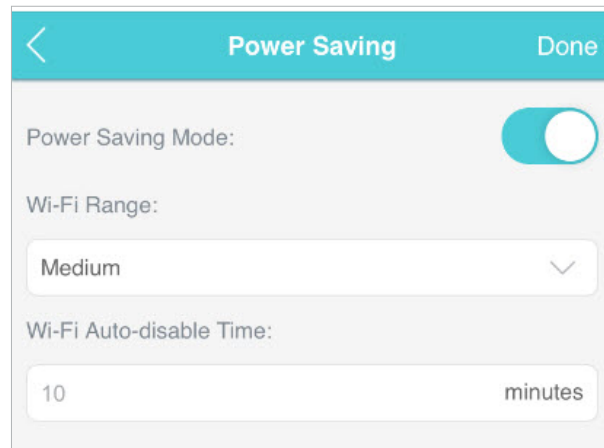
1. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to [Device](#) > [Power Saving](#).
 - **To set Wi-Fi Range:**
 1. Enable [Power Saving Mode](#).
 2. Select [Long](#), [Medium](#) or [Short](#) from the [Wi-Fi Range](#) drop-down list.



■ **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. Specify the [Wi-Fi Auto-disable 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.

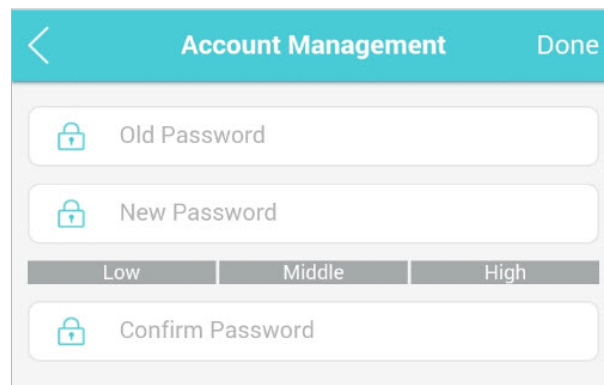
Note:

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. Visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
2. Go to **Device > Account**.
3. Enter the current password. Then enter the new password twice (case-sensitive) and tap **Done**.



4. Use the new password for future logins.

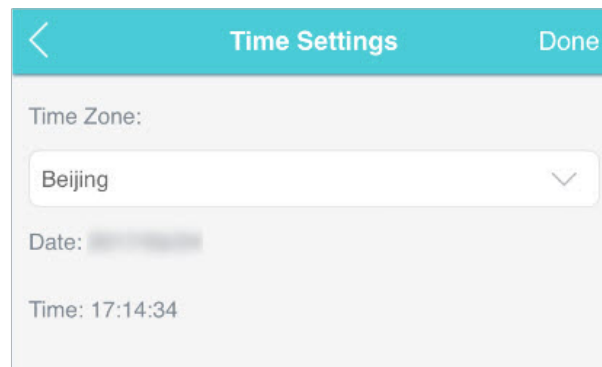
8.3. Set Up System Time

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. 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

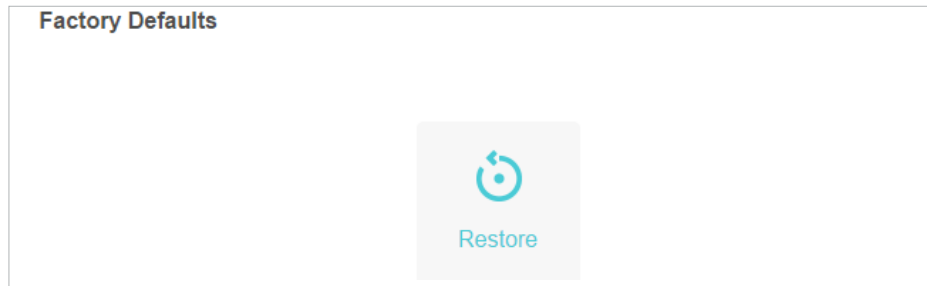
The Factory Defaults feature allows you to restore your Mobile Wi-Fi to its factory defaults. After you restore your Mobile Wi-Fi, all previous settings will be cleared and you have to reconfigure them.

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 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

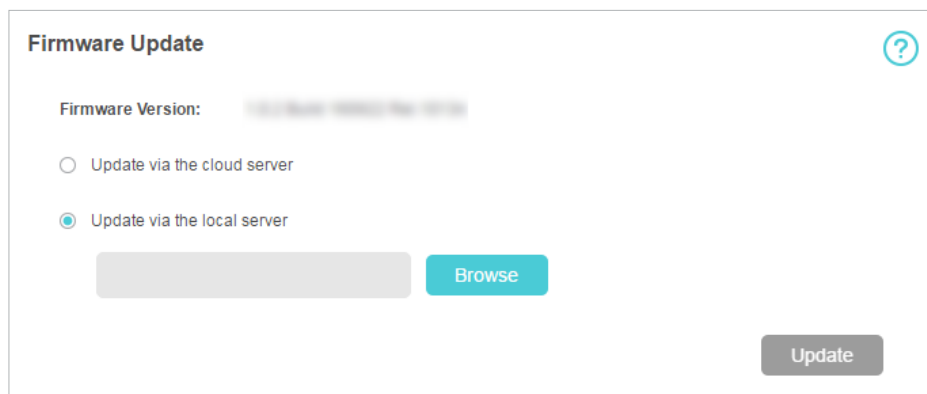
TP-Link is committed to improving product features, giving you a better network experience. We will inform you web management page if there's any newly released update firmware. Also, you can download it from the Support page of our website www.tp-link.com.

■ 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 locally:**

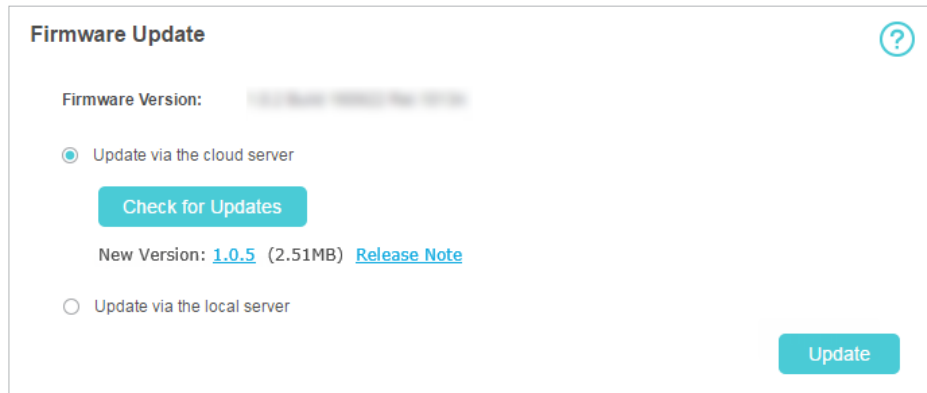
1. Download the latest firmware file for your Mobile Wi-Fi from our website www.tp-link.com.
2. On your computer or tablet, visit <http://tplinkmifi.net>, and log in with the password you set for the Mobile Wi-Fi.
3. Go to [Advanced](#) > [Device](#) > [Firmware Update](#).
4. Select [Update via the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



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

- **To update the firmware online:**

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](#).



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](#).

ISP Update

If you fail to dial-up Internet access after updating to the latest version, please contact us.

ISP Version: 16070801

New ISP File:

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: Log Level:

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

...

FAQ

Q1. What should I do if I cannot log in to the web management page?

- Verify that your device is connected to the Mobile Wi-Fi's SSID.
- Verify that you have entered <http://tplinkmifi.net> or <http://192.168.0.1> correctly.
- Verify that your computer is set to obtain an IP address automatically.

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 web management page on your phone. Go to **Dial-up**, tap **View profile details**, and 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 **Dial-up** page and create a new profile with the correct information. Then choose the new created profile from the Profile List.

- **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. Go to **Dial-up** and enable the **Data Roaming** option.

- **Check Mobile Data**

Log in to the web management page on your phone. Go to **Dial-up** to verify that **Mobile Data** is **On**. If not, enable it.

- **Check Data Limit**

Log in to the web management page on your phone. Go to **Device** > **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 web management page on your phone. Go to **Device** > **Advanced** > **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.
- 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/-2dB)

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, 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。
- 不要私自拆開機殼或自行維修，如產品有故障請與原廠或代理商聯繫。

限用物質含有情況標示聲明書

設備名稱：4G LTE Mobile Wi-Fi Equipment name				型號（型式）：M7200 Type designation (Type)		
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁺⁶)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
PCB	○	○	○	○	○	○
外殼	○	○	○	○	○	○
锂电池	○	○	○	○	○	○
備考1. “超出0.1 wt %” 及 “超出0.01 wt %” 係指限用物質之百分比含量超出百分比含量基準值 Note 1: “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.						
備考2. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。 Note 2: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.						
備考3. “—” 係指該項限用物質為排除項目。 Note 3: The “—” indicates that the restricted substance corresponds to the exemption.						



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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. If you need service, please contact us.
- Do not use any other chargers than those recommended
- Do not use the device where wireless devices are not allowed.

CAUTION!

- Avoid replacement of a battery with an incorrect type that can defeat a safeguard.
- Avoid disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
- Do not leave a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas. Do not leave a battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

CAUTION!

- Danger of fire due to removal of the back cover.
- To install accessories, remove the housing as indicated in section 1 of the Quick Installation Guide.
- The back cover must be restored after the accessories are installed.

CAUTION!

Risk of explosion if the battery is replaced by an incorrect type.

- Operating Temperature: 0°C ~ 40°C (32°F ~ 104°F)

Storage Temperature: -40°C ~ 70°C (-40°F ~ 158°F)

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

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