Pocket WiFi® 5G A503SH User Guide

Pocket WiFi® 5G A503SH User Guide Contents

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Introduction

Before You Begin

Read "Quick Start" and "Safety Precautions" thoroughly beforehand for proper use.

Accessible services may be limited by contract conditions.

Guide Usage Notes

Most operation descriptions are based on default settings. Unless noted otherwise, operations are basically described starting from Home Screen. Operation descriptions may be abbreviated.

Screenshots & Key Labels

Displays in this guide are provided for reference only. Actual Display may differ in appearance. Key labels in this guide are simplified for description purposes and differ with actual Display.

Other Notations

This product is referred to as "Wi-Fi router" in this guide.

Operating Environment (Supported OS)

Use Wi-Fi router in any of these operating environments. Use outside these environments may affect performance. Operating environment (hardware, connected peripherals, installed applications, etc.) may also affect performance.

- For computer support, OS version upgrade information, etc., see corresponding manufacturer's product support documentation.
- The information for operating environment listed here is the current information as of June 2025.

| Item | Description |
|-----------------------|--|
| Supported devices | Windows 11 Home (64bit) Windows 11 Pro (64bit) Windows 11 Enterprise (64bit) Windows 11 Education (64bit) Windows 10 Home (64bit) Windows 10 Pro (64bit) macOS Sequoia 15.1 (64bit) Sonoma 14.7 (64bit) Ventura 13.7 (64bit) Android™ iOS™ Japanese and English OS editions are supported. |
| Interface | USB2.0 or later¹ |
| Compatible Browser | Microsoft Edge® 130 or later Google Chrome™ 131 or later Safari 18.1 or later |

The maximum transmission speed is 5 Gbps for USB3.0 connections and 480 Mbps for USB2.0 connections. "USB3.0," "USB3.1(Gen1)," "USB3.2(Gen1)" are labeled differently, but are the same standard. There is no difference in communication speed or other functions.

Package Contents

The following items are included in the package. Please confirm package contents before use. Contact Customer Service for missing items.

 $\label{eq:Keep accessories in a safe place.} \\$

AC Charger and USB cable are not supplied. Purchase AC Charger (sold separately) and USB Cable (recommended product sold separately).

- · A503SH (Main unit)
- · SIM Removal Tool (Complimentary sample)
- ・クイックスタート (Quick Start) (Japanese)
- ・お願いとご注意 (Safety Precautions) (Japanese)
- · Label for WLAN Initial Setting

SSID and Password (Security Key)

When connecting to a Wi-Fi device, SSID (network name) and password (Security Key: WPA® Key) are required. Confirm SSID and password (Security Key) as follows.













SSID and password (Security Key) appear.

- · Two SSIDs are set to Wi-Fi router. By default, Encryption Mode is set to WPA2-PSK/WPA3-SAE (AES) for both SSID A and SSID B. By default, SSID B is disabled.
- · Alternatively, see label for WLAN Initial Setting to check default SSID and password (Security Key).

Getting Started

- \cdot Wi-Fi router accommodates software updates. Use the latest software.
- · Note that connection speeds may drop or connections may be disabled depending on line traffic or connection environments. Please be forewarned.
- · To enhance security, it is recommended that a password for unlocking the screen be set. For details on setting Lock Screen PIN, see "Screen Lock."
- · When Wi-Fi router is under a corporate subscription, Wi-Fi router functionality can be regulated by administrators. Depending on how functions are regulated, settings or operations as described herein may not be available.
- · If using WLAN overseas, settings must be changed in accordance with the laws of that country.

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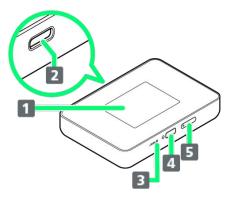
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Getting Started

| Parts & Functions | Ю |
|------------------------------|---|
| Home Screen | 6 |
| Notifications of Data Usage1 | 0 |
| SIM Card1 | |
| Charging Battery1 | 3 |
| Power On/Off | |

Parts & Functions

Front/Top/Bottom



| Part | Description |
|------------------------|--|
| 1 Display | Wi-Fi router status appears. Wi-Fi router uses a touchscreen-type Display. Operate with your fingers on Display. |
| 2 USB Type- C™ Port | Connect USB Cable (recommended product sold separately), AC Charger (sold separately) and Cradle (optional). |
| 3 Reset | Long Press with a pointed object (a) OK to reset Wi-Fi router to factory defaults. |
| | |
| 4 Power Key | Turn power and Display on/off. |
| 5 SIM Card Tray | Insert SIM Card. |

Cradle (Optional) and USB Cable (recommended product sold separately)

LAN Cable Connection to PC

Set Wi-Fi router on Cradle (optional) and connect to PC using LAN Cable to perform data communication and use Web UI. For details, see Cradle (optional) user guide.

USB Connection to PC

Connect Wi-Fi router and PC using USB Cable (recommended product sold separately) to charge, perform data communication, and use Web UI. For details, see USB Cable (recommended product sold separately) user guide.

Notes on Using Reset Button

Note the following for using Reset Button.

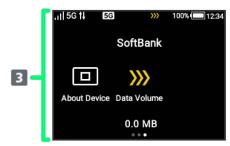
- \cdot Power on Wi-Fi router in advance.
- \cdot Be careful not to be injured when pressing Reset Button.
- \cdot Do not Press Reset Button strongly. May cause damage.
- \cdot Do not use sharpened object. May cause damage.
- Using pen or pencil may make Reset Button dirty with ink etc. Use with caution.
- The factory defaults can also be reset from Web UI. For details, see "Resetting Wi-Fi Router."

Home Screen

Layout







| Part | Description |
|-------------------------------|--|
| 1 Home Screen (Page 1) | This is Home Screen (Page 1). |
| 2 Home Screen (Page 2) | This is Home Screen (Page 2). Flick Display right or left to switch screens. |
| 3 Home Screen (Page 3) | This is Home Screen (Page 3). |
| 4 Status Bar | Status Indicators for communication status and notification appear. |
| 5 Network Operator Name | Indicates the currently connected network operator name. |
| 6 Touch Menu | Touch Menu icons for various functions. Use them by tapping. |
| 7 Data | Shows accumulated data traffic at the |

moment from start of use or reset.

Indicates the page position.

Home Screen has three pages of icons.

Usage

8 Page

Indicator

Status Indicators

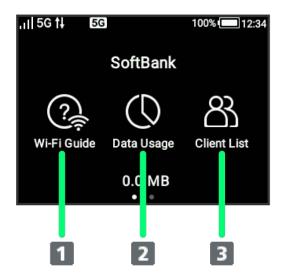
| Icon | Description |
|------------------------|--|
| to 11 1 | Mobile network connected (4 levels) |
| 1 | Mobile network not connected |
| ıd | Searching for mobile network |
| OUT | Out of service |
| 5G ² / 4G / | Network name |
| ((•)) | Wi-Fi spot connected |
| | Receiving data |
| 1 | Sending data |
| 11 | Sending and receiving data |
| fI | No data being sent or received |
| | Communication speed limit (displayed |
| <u> </u> | when Wi-Fi router is hot) |
| | Limited functions (displayed when Wi-Fi |
| | router is hot) |
| <u>&</u> 1 | Number of connected devices |
| Ф | USB connection |
| 器 | Ethernet port connection |
| ① | Software update available |
| ₽ | Downloading software |
| to 3 | Battery level |
| * | Charging |
| 4 | In Battery Care Mode (Weak) (indicated in |
| | green) |
| 4 | In Battery Care Mode (Strong) (indicated in yellow) |
| | Charging function is limited due to high |
| 5 | battery temperature |
| | Charging error |
| \simeq | Unread notifications |
| 2.4G / 5G / DBS | Wi-Fi mode |
| DFS 6 | Check radio interference to the weather radar, etc. |
| 7 | Notice of slow-speed communication (when under an individual subscription) |
| 8 | Start of slow-speed communication (when under an individual subscription) |
| >>> 8 | End of slow-speed communication (when under an individual subscription) |

- 1 R mark appears during international roaming.
- 2 Even if "5G" is displayed on Wi-Fi router (top of the screen) while on standby, when you communicate, the display may change to "4G" and 4G communication may be used.
- When the battery is hot, it is indicated by the battery icon (in red).

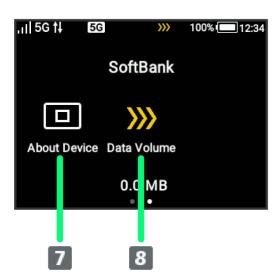
- 4 While charging function is limited, the line of battery level is displayed diagonally.
- 5 Appears if you continue to charge during long-term use or if you spend a large amount of time charging.
- $\,$ 6 $\,$ Appears when the wireless communication standard is set to 5 GHz.
- 7 Appears when the amount of data remaining reaches specified value which starts slow-speed communication.
- 8 Automatically erased in the following month. Erase it in the settings of Wi-Fi router. For details, see "Clearing Notification Icons for Data Traffic."

Touch Menu Icons

Tap Touch Menu icons for settings and notifications.







| Icon | Description |
|------------------|--|
| 1 Wi-Fi Guide | Show and set QR Code, WPS connection, and SSID and password (Security Key) for Wi-Fi router. |
| 2 Data Usage | Show mobile network data usage, maximum traffic, Auto Reset Date, etc. |

3 Client List Show number of connected devices. Connect to or make settings for Wi-Fi 4 Wi-Fi Spot Spot and SoftBank Wi-Fi Spot. Make settings for mobile network, Wi-Fi Network, Sleep mode, Lock Screen PIN for unlocking screen, Display Brightness, Display Timeout, language/time, software 5 Settings update, USB mode, and quick startup, Charging Mode, check Web UI URL, QR code, and Battery status, or delete notification icons. Check and delete received notifications. Notifications 7 About Show Wi-Fi router's phone number, software version, etc. Device Appears when the amount of data 8 Data remaining approaches specified value where slow-speed communication starts, Volume (when or when slow-speed communication starts. under an individual Make a request for setting to normal speed or make a reservation/cancellation subscription) to maintain the normal speed.

• Tap
on the settings window or notification window to go back to the previous window and Tap to go back to Home Screen.

Display Off/Sleep Mode

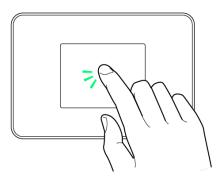
- · If Wi-Fi router is not used for a certain period of time, Display turns off automatically. Press Power Key to illuminate Display again.
- · If Wi-Fi router is not connected to a WLAN terminal, and there has been no operation of Wi-Fi router for a certain period of time, or if Battery has not been charged, Display turns off and Wi-Fi router enters Sleep mode to save power (time until entering Sleep mode is set to 5 minutes by default).
- In Sleep mode, WLAN function and mobile network are disabled.
- Press Power Key to turn Display on and release Sleep mode.
 After Sleep mode is released, WLAN function and mobile network are enabled and Wi-Fi router can reconnect to WLAN devices.
- · Some WLAN devices will disconnect a WLAN connection if there is no transmission for a certain period of time after connecting. If such a device is connected to Wi-Fi router, the device may disconnect and Wi-Fi router may enter Sleep
- Change time before going into Sleep mode and Sleep mode on/off in Touch Menu or Web UI. For details, see "Sleep Mode" or "Wi-Fi Advanced Settings."

Using Touchscreen

Wi-Fi router uses a touchscreen-type Display. Operate with your fingers on Display.

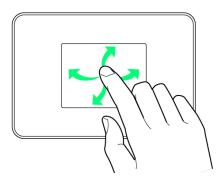
• Тар

Contact Display lightly and briefly.



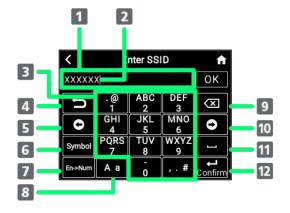
· Flick

Contact Display lightly, then brush screen up/down or left/right.



Text Entry Window

Use onscreen keyboards for text entry.



| Item | Description |
|---|--|
| 1 Entry box | Enter text/number |
| 2 Cursor | Show entry position |
| 3 Keyboard | Enter keys/numbers |
| 4 Return to previous character | Return to previous character |
| 5 Cursor (Left) | Move cursor to left |
| 6 Entry mode (Symbol) | Symbol entry window opens |
| T Entry mode (Alphabet, Numbers) | Toggle alphabet and numbers |
| 8 Uppercase/ lowercase | Toggle uppercase and lowercase for an unconfirmed letter |
| 9 Delete | Delete a character before cursor |
| 10 Cursor (Right) | Move cursor to right |
| 11 Space | Enter a space |
| 12 Fix | Confirm text entry |

Text Entry

Multiple letters ("ABC," "DEF") are assigned to each key. Tapping key toggles characters.

• Example: For "b," Tap Tap twice.

• Example: For "c," Tap ABC three times.

To go back to the previous character assigned to the same key, Tap .

Example: When "c" appears by tapping three times,
Tap to return to "b."

For characters assigned to the same key, operate as follows.

• Example: For "ca," Tap Por three times Tap

Tap Por once.

To toggle uppercase and lowercase for entered character,

Notifications of Data Usage

Notifications of Data Usage

Depending on the amount of data usage, the communication speed becomes slower in accordance with your subscription plan.

When Wi-Fi router is under an individual subscription, Wi-Fi router makes advance notice or notification of start of slow-speed communication using pop-up window or icon.

When Wi-Fi router is under a corporate subscription, Wi-Fi router makes advance notice or notification of start of slow-speed communication according to the setting on the Corporate Concierge Site.

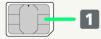
| Status | Description |
|---|---|
| Advance notice of slow-speed communication | When the amount of data remaining approaches specified value where slowspeed communication starts, Notification is updated, Wi-Fi router shows pop-up window or on Display. |
| Start of slow-speed communication | When the amount of data remaining reaches specified value, Notification is updated, Wi-Fi router shows pop-up window or on Display. |
| End of | When slow-speed communication ends, |
| slow-speed | Notification is updated and))) appears |
| communication | on Display. |

SIM Card

SIM Card is an IC card containing phone number and other customer information.

Handling SIM Card

Check the following regarding SIM Card handling.



1 IC Chip

For SIM Card handling, see SoftBank Website.

https://www.softbank.jp/mobile/support/protect/usim/

- · Always keep the IC (gold) chip clean.
- · Wipe clean with a dry, soft cloth.
- · Avoid applying labels. May cause malfunction.

SIM Card Cautions

Observe the following when using SIM Card.

- Customer is responsible for any damage caused by inserting SIM Card in an other-brand IC card reader, etc.
 SoftBank Corp. is not responsible in such case.
- \cdot SIM Card is the property of SoftBank Corp.
- · SIM Card is replaceable (at cost) in case of loss/damage.
- Return SIM Card to SoftBank Corp. when canceling subscription.
- Returned SIM Cards are recycled for environmental purposes.
- · Note that SIM Card specifications and performance may change without notice. Please be forewarned.
- It is recommended that you keep a separate copy of information that is stored on SIM Card. SoftBank Corp. is not responsible for damages from saved information that is lost.
- · Always follow emergency procedures to suspend service if your SIM Card or Wi-Fi router (SIM Card inserted) is lost/stolen. Contact Customer Service.
- · Be sure to power off Wi-Fi router before inserting/ removing SIM Card.
- If you use a USIM card from another company, the services and functions you can use may be restricted. SoftBank Corp. does not guarantee operation.

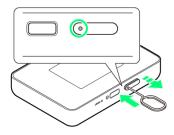
Inserting SIM Card

Always power off beforehand.

 \cdot Set SIM Card in SIM Card Tray beforehand. Do not insert SIM Card without setting it in SIM Card Tray.



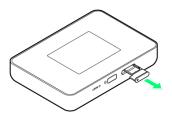
With Display upward, insert SIM Removal Tool in removal hole in SIM Card Tray



· Press firmly and straight until SIM Card Tray ejects.



Pull out SIM Card Tray



- Pulling out SIM Card Tray with Display downward or Wi-Fi router held upright can allow SIM Card to fall from SIM Card Tray and become misplaced.
- Do not pull SIM Card Tray forcefully or at an angle. May cause damage. Gently pull SIM Card Tray out horizontally.



Set SIM Card in SIM Card Tray



- Place gently, noting orientation of SIM Card (notch/IC (gold) chip facing down).
- · Make sure SIM Card is in Card Tray. Inserting Card Tray with SIM Card lifted may cause damage.



Insert Card Tray in SIM Card Slot





SIM Card is inserted.

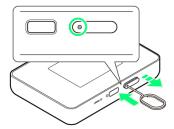
- · Do not insert SIM Card Tray upside down.
- · Insert gently all the way horizontally in direction shown by
- \cdot Push SIM Card Tray firmly where circled (\bigcirc) so that there is no gap between Wi-Fi router and SIM Card Tray.
- \cdot Use Wi-Fi router with SIM Card Tray completely closed.

Removing SIM Card

Always power off beforehand.



With Display upward, insert SIM Removal Tool in removal hole in SIM Card Tray



 \cdot Press firmly and straight until SIM Card Tray ejects.



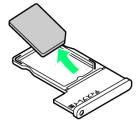
Pull out SIM Card Tray



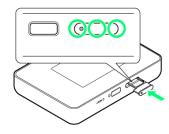
- \cdot Pulling out SIM Card Tray with Display downward or Wi-Fi router held upright can allow SIM Card to fall from SIM Card Tray and become misplaced.
- \cdot Do not pull SIM Card Tray forcefully or at an angle. May cause damage. Gently pull SIM Card Tray out horizontally.



Remove SIM Card



Insert Card Tray in SIM Card Slot





SIM Card is removed.

- · Do not insert SIM Card Tray upside down.
- · Insert gently all the way horizontally in direction shown by
- \cdot Push SIM Card Tray firmly where circled (\bigcirc) so that there is no gap between Wi-Fi router and SIM Card Tray.
- · Use Wi-Fi router with SIM Card Tray completely closed.

Charging Battery

Wi-Fi router is not fully charged by default. Charge Wi-Fi router before use.

Wi-Fi router discharges even when not in use. Charge Wi-Fi router before use if it is not in use for a long time. Charge Wi-Fi router regularly to prevent a full discharge if it is not in use for a long time.

For usage times, see "Specifications." Usage times gradually become shorter due to repeated charging/discharging.

Charging

Charging Conditions

Under low temperatures charging, performance decreases. Use USB Cable (recommended product sold separately) and AC Charger (sold separately) in temperatures between 5°C - 35°C.

USB charging with computers may be unavailable depending on Wi-Fi router temperature.

Use Separately Sold or Recommended Accessories Compatible With Wi-Fi Router

Always charge with a USB Cable (recommended product sold separately) connected to computer or with an AC Charger (sold separately) compatible with Wi-Fi router. See the following website for USB cables (recommended product) that are compatible with Wi-Fi router. https://jp.sharp/k-tai/products/a503sh/ (Japanese)

Wi-Fi Router and AC Charger (sold separately) Becoming Warm/Hot

Wi-Fi router and AC Charger (sold separately) may become warm while charging. This is not a malfunction. However, stop using them immediately if they become extremely hot; they may be malfunctioning.

Precaution for Extended Use

Wi-Fi router may become hot while in use or while charging for a long period, especially in high temperatures. Prolonged contact with skin may cause low-temperature burn injuries.

Precaution for High Temperatures

Depending on the operating method and usage environment, the internal temperature of Wi-Fi router may become high. In that case, for safety reasons, Wi-Fi router may stop operating and be turned off. If this happens, wait until the internal temperature of Wi-Fi router has cooled before turning it back on.

Battery Protection Function

If Wi-Fi router is charged for an extended period of time, or if Wi-Fi router becomes hot, the battery protection function will be activated and stop charging. In this case, wait a while and then try charging again. Unplug the cable, then reconnect it to begin charging.

Connecting USB Cable (recommended product sold separately)

Confirm that orientation of USB Cable (recommended product sold separately) plugs is correct. Connecting in wrong orientation may cause damage or malfunction.

Display while Charging

Even when power is off, Press Power Key to show animation and battery level.

Precaution for When Charging Mode Is Set to Battery Care Mode (Strong)

Battery level is low, so set to normal mode and charge before carrying around.

Using USB (Computer)

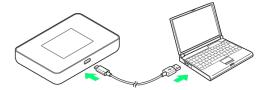
USB cable is sold separately. Use USB cable that is compatible with Wi-Fi router. See SoftBank Website for compatible USB cables.

This section describes charging method using a cable with USB (Type-A) and USB Type-C terminals.

- \cdot Make sure to power on computer before charging.
- Depending on computer connection environment, charging may fail.
- When connecting to computer, the standard driver installed on computer is used.
- See USB Cable (recommended product sold separately) user guide.

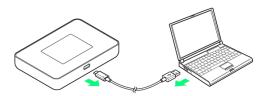


Insert USB Type-C plug of USB Cable (recommended product sold separately) into USB Type-C port of Wi-Fi router, and insert USB plug of USB Cable (recommended product sold separately) into a computer



2

After charging, remove USB Cable (recommended product sold separately) from computer and Wi-Fi router



Check battery level on Display.

Charging with Computer

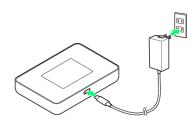
Charging takes longer than with AC Charger (sold separately). Time required depends on the connected computer.

Charging with AC Charger

AC Charger is sold separately. Use AC Charger that is compatible with Wi-Fi router. See SoftBank Website for compatible AC Chargers.

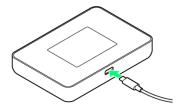
This section describes charging method using AC Charger (USB PD-PPS compatible USB Type-C[™] quick charge AC Charger [ZSDBAV] (SB-AC22-TCPD)).

· See AC Charger (sold separately) user guide.





Insert USB Type-C plug of AC Charger (sold separately) into USB Type-C port of Wi-Fi router



2

Raise plug on AC Charger (sold separately) and insert it into AC outlet $\label{eq:condition} \parbox{0.5\cite{AC}}$





After charging, remove the power plug of AC Charger (sold separately) from AC outlet, and remove the USB Type-C plug of AC Charger (sold separately) from Wi-Fi router

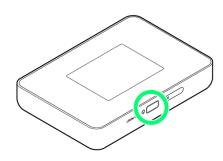


Power On/Off

Powering On



Power Key (Long Press for 2 seconds or more)



Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the Internet.

· When Wi-Fi router connects to mobile network, [1] (mobile networks connected) illuminates.



Flick 🕤 right on Display

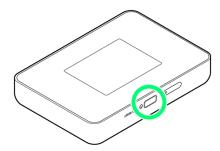


- Mome Screen appears.
- When Lock Screen PIN for unlocking screen is set, the password entry screen appears. For unlocking screen by entering password, see "Entering Password to Unlock Screen."
- When PIN verification is set to SIM Card, PIN entry screen appears. See "PIN Verification (Wi-Fi Router) " or "PIN Verification (WEB UI)" to enter PIN. For PIN verification settings, see "PIN Verification."

Power Off

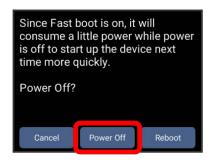


Power Key (Long Press for 2 seconds or more)



2

Power Off



Power is off.

Connecting with WLAN

| WLAN (WI-FI) | 118 |
|-------------------------------------|-----|
| Activating WLAN Function | 18 |
| Connecting Windows® PC | 19 |
| Connecting Mac | 21 |
| Connecting iPhone®/iPad® | 22 |
| Connecting Android Devices | 24 |
| Connecting Wi-Fi Compatible Devices | 26 |
| WPS Supported WLAN Device | 27 |

WLAN (Wi-Fi)

WLAN (Wi-Fi)

Advanced Settings

Change WLAN settings as required. For details, see "Setting Wi-Fi ."

Simultaneous Connection

Use Wi-Fi router to connect up to 16 WLAN devices simultaneously.

In addition, wireless LAN and USB connections can be simultaneously used, in that case the maximum number of wireless LAN connections is 16 devices, and one USB connection which totals 17 devices.

Devices that can be connected

Wi-Fi Alliance certified devices can be connected.

Cautions for WLAN Usage

Security

For added security, change default SSID (network name) and password (Security Key: WPA Key).

Communication Speed

When Multi SSID is enabled, maximum communication speed may decrease depending on number of WLAN devices connected.

Overview

Wi-Fi router supports IEEE 802.11 a/b/g/n/ac/ax standards. Wi-Fi router can be connected to wireless LAN compatible devices that support the wireless LAN standards IEEE802.11a/n/ac/ax (5 GHz band) and IEEE802.11 b/g/n/ax (2.4 GHz band).

If your Wi-Fi router supports WPS, WLAN connection settings can easily be configured.

Enter Wi-Fi router's SSID (network name) and password (Security Key: WPA Key) to connect non-WPS-compatible WLAN devices.

For details on SSID and password (Security Key), see "SSID and Password (Security Key)."

After setting up connection, depending on the specifications or settings of WLAN devices, the connection will be resumed automatically simply by turning ON the WLAN function of Wi-Fi router and WLAN devices.

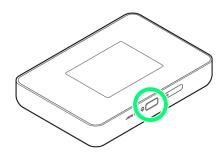
Activating WLAN Function

Power on to connect to the Internet automatically.

Connecting to 5G/4G/LTE



Power Key (Long Press for 2 seconds or more)



Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the

- · When Wi-Fi router connects to mobile network, [1] (mobile networks connected) illuminates.
- When Wi-Fi router is in Sleep mode, WLAN function is disabled.

Pressing Power Key releases Sleep mode, and WLAN function is enabled.

Connecting Windows® PC

Connect a Windows PC to connect to the Internet.

SSID (Network Name) and Password (Security Key: WPA Key)

For details on SSID and password (Security Key), see "SSID and Password (Security Key)."

Default SSID is shown as a 6-digit alphanumeric string with a leading "A503SHa-" or "A503SHb-."

If they are changed, use set SSID and password (Security Key).

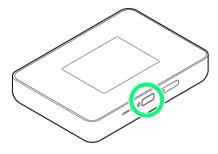
The networks on Display other than SSID set on Wi-Fi router are wireless LAN signals received from nearby. Do not connect to other neighboring WLAN network.

Windows 11

This section describes setup operations with screenshots and steps for "SSID" using "WPA2-PSK/WPA3-SAE (AES)" encryption method on Windows 11.



Power Key (Long Press for 2 seconds or more)



Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the Internet.

· When Wi-Fi router connects to mobile network, [1] (mobile networks connected) illuminates.

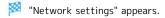
2

Activate PC WLAN function

· Method for enabling PC WLAN varies by model. Contact PC manufacturer.



In task tray, click ♦ Olick in "Wi-Fi"



Select Wi-Fi router's "SSID" 🗦 Connect



- · When Wi-Fi router's "SSID" is not shown, press Power Key to exit Sleep mode.
- · Depending on the authentication method settings of Wi-Fi router, a security message may appear. In this case, it is recommended to change the authentication method settings of Wi-Fi router and connect again.



Enter password (Security Key)
Next





If connection is successful, WLAN connection counter number on Wi-Fi router Status Bar increases by one (e.g. 🔠).

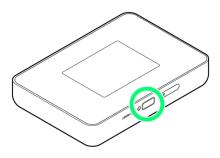
- · If you are unable to make settings on the above screen, right-click on the Start menu (>) Settings (>) Network & internet → Wi-Fi → Show available networks to display Network Names list (SSID), then refer to Windows Help for further instructions.
- · Confirmation message for sharing PC may appear; do not set it. For sharing PC, see Windows Help.

Windows 10

This section describes setup operations with screenshots and steps for "SSID" using "WPA2-PSK/WPA3-SAE (AES)" encryption method on Windows 10.



Power Key (Long Press for 2 seconds or more)



Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the Internet.

· When Wi-Fi router connects to mobile network, 📶 (mobile networks connected) illuminates.



Activate PC WLAN function

· Method for enabling PC WLAN varies by model. Contact PC manufacturer.



In task tray, click 🍖



"Network settings" appears.



Select Wi-Fi router's "SSID" → Connect



- · When Wi-Fi router's "SSID" is not shown, press Power Key to exit Sleep mode.
- \cdot Depending on the authentication method settings of Wi-Fi router, a security message may appear. In this case, it is recommended to change the authentication method settings of Wi-Fi router and connect again.



Enter password (Security Key) 🔵 Next





If connection is successful, WLAN connection counter number on Wi-Fi router Status Bar increases by one (e.g. 🔊).

- · If you are unable to make settings on the above screen, right-click on the Start menu > Settings > Network & internet \Rightarrow Wi-Fi \Rightarrow Show available networks to display Network Names list (SSID), then refer to Windows Help for further instructions.
- · Confirmation message for sharing PC may appear; do not set it. For sharing PC, see Windows Help.

Connecting Mac

Connect a Mac to connect to the Internet.

SSID (Network Name) and Password (Security Key: WPA Key)

For details on SSID and password (Security Key), see "SSID and Password (Security Key)."

Default SSID is shown as a 6-digit alphanumeric string with a leading "A503SHa-" or "A503SHb-."

If they are changed, use set SSID and password (Security Key).

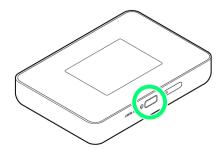
The networks on Display other than SSID set on Wi-Fi router are wireless LAN signals received from nearby. Do not connect to other neighboring WLAN network.

Mac

This section describes setup operations with screenshots and steps using "WPA2-PSK/WPA3-SAE (AES)" encryption method on macOS Sequoia15.3.2.

1

Power Key (Long Press for 2 seconds or more)



Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the Internet.

· When Wi-Fi router connects to mobile network, [1] (mobile networks connected) illuminates.

2

In Apple menu,







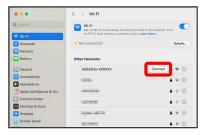


Turn on Wi-Fi



WLAN function on Mac is enabled.

Connect next to Wi-Fi router's SSID in Network Name list



- · When Wi-Fi router's "SSID" is not shown, press Power Key to exit Sleep mode.
- · Depending on the authentication method settings of Wi-Fi router, a security message may appear. In this case, it is recommended to change the authentication method settings of Wi-Fi router and connect again.



Enter Security Key in "Password" 🔵 OK







If connection is successful, WLAN connection counter number on Wi-Fi router Status Bar increases by one (e.g. 🔠).

Connecting iPhone®/iPad®

Connect an iPhone/iPad to connect to the Internet.

SSID (Network Name) and Password (Security Key: WPA Key)

For details on SSID and password (Security Key), see "SSID and Password (Security Key)."

Default SSID is shown as a 6-digit alphanumeric string with a leading "A503SHa-" or "A503SHb-."

If they are changed, use set SSID and password (Security Key).

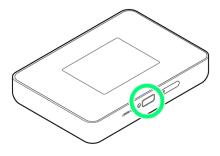
The networks on Display other than SSID set on Wi-Fi router are wireless LAN signals received from nearby. Do not connect to other neighboring WLAN network.

iPhone

This section describes setup operations with screenshots and steps using "WPA2-PSK/WPA3-SAE (AES)" encryption method on iOS 18 running on iPhone.



Power Key (Long Press for 2 seconds or more)



Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the Internet.

· When Wi-Fi router connects to mobile network, [1] (mobile networks connected) illuminates.









Turn on Wi-Fi



WLAN function on iPhone is enabled.



In "NETWORKS" list, Tap Wi-Fi router's "SSID"



· When Wi-Fi router's "SSID" is not shown, press Power Key to exit Sleep mode.



Enter password (Security Key) in "Password" 🔵 Join



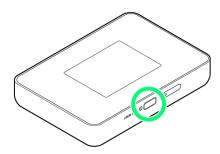
If connection is successful, WLAN connection counter number on Wi-Fi router Status Bar increases by one (e.g. 🔏).

iPad

This section describes setup operations with screenshots and steps using "WPA2-PSK/WPA3-SAE (AES)" encryption method on iOS 18.3.2 running on iPad.



Power Key (Long Press for 2 seconds or more)



Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the Internet.

· When Wi-Fi router connects to mobile network, 📶 (mobile networks connected) illuminates.

2

Settings 🔷 [Wi-Fi]



3

Turn on Wi-Fi



WLAN function on iPad is enabled.

4

In "NETWORKS" list, Tap Wi-Fi router's "SSID"



- · When Wi-Fi router's "SSID" is not shown, press Power Key to exit Sleep mode.
- · Depending on the authentication method settings of Wi-Fi router, a security message may appear. In this case, it is recommended to change the authentication method settings of Wi-Fi router and connect again.



Enter password (Security Key) in "Password" 🗦 Join







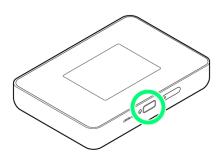
If connection is successful, WLAN connection counter number on Wi-Fi router Status Bar increases by one (e.g. 😽).

Connecting iOS Device using QR Code

Use application on iPhone/iPad to scan QR code on Wi-Fi router's Display and connect.



Power Key (Long Press for 2 seconds or more)



Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the Internet.

 When Wi-Fi router connects to mobile network, (mobile networks connected) illuminates.

2





3

Activate iOS device
Activate Camera



Read the QR code on Wi-Fi router's Display using iOS device



Follow the instructions of Camera to connect to Wi-Fi router

If connection is successful, WLAN connection counter number on Wi-Fi router Status Bar increases by one (e.g.
Check that Wi-Fi signal icon is displayed on iOS device screen.

Connecting Android Devices

Connect a general Android device to connect to the Internet.

SSID (Network Name) and Password (Security Key: WPA Key)

For details on SSID and password (Security Key), see "SSID and Password (Security Key)."

Default SSID is shown as a 6-digit alphanumeric string with a leading "A503SHa-" or "A503SHb-."

If they are changed, use set SSID and password (Security Key).

The networks on Display other than SSID set on Wi-Fi router are wireless LAN signals received from nearby. Do not connect to other neighboring WLAN network.

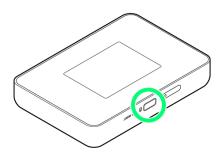
Connecting Android Devices

This section describes setup operations with screenshots and steps using "WPA2-PSK/WPA3-SAE (AES)" encryption method on Android 15. Some operations and screenshots vary by security method.

Operation steps vary by Android device. For details, see Android device user guide.



Power Key (Long Press for 2 seconds or more)



Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the Internet.

· When Wi-Fi router connects to mobile network, **(mobile networks connected)** illuminates.



Activate Android device In menu, Settings Network & internet Wi-Fi and Mobile Network



Turn on Wi-Fi

WLAN function on Android device is enabled.

4

Tap Wi-Fi router's "SSID"



· When Wi-Fi router's "SSID" is not shown, press Power Key to exit Sleep mode.

5

Enter password (Security Key) in "Password"

Connect





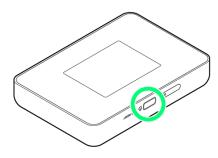
If connection is successful, WLAN connection counter number on Wi-Fi router Status Bar increases by one (e.g. 🔠). Check that Wi-Fi signal icon is displayed on Android device screen.

Connecting Android Device using QR Code

Use application on Android device to scan QR code on Wi-Fi router's Display and connect.



Power Key (Long Press for 2 seconds or more)



Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the Internet.

 \cdot When Wi-Fi router connects to mobile network, \blacksquare (mobile networks connected) illuminates.

2





Activate Android device Activate the QR code application

4

Read the QR code on Wi-Fi router's Display using Android device

5

Follow the instructions of the QR code application to connect to Wi-Fi router

If connection is successful, WLAN connection counter number on Wi-Fi router Status Bar increases by one (e.g. 🔠). Check that Wi-Fi signal icon is displayed on Android device screen.

Connecting Wi-Fi Compatible Devices

SSID (Network Name) and Password (Security Key: WPA Key)

For details on SSID and password (Security Key), see "SSID and Password (Security Key)."

Default SSID is shown as a 6-digit alphanumeric string with a leading "A503SHa-" or "A503SHb-." $\,$

If they are changed, use set SSID and password (Security Key).

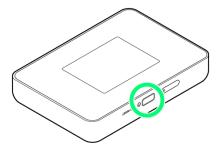
The networks on Display other than SSID set on Wi-Fi router are wireless LAN signals received from nearby. Do not connect to other neighboring WLAN network.

Wi-Fi Compatible Device

This section describes setup operations with steps using "WPA2-PSK/WPA3-SAE (AES)" encryption method. Some operations vary by encryption method. For details, see the user guide of the Wi-Fi compatible devices to be connected.



Power Key (Long Press for 2 seconds or more)



Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the Internet.

When Wi-Fi router connects to mobile network, (mobile networks connected) illuminates.



Enable the Wi-Fi functions of Wi-Fi compatible devices



Search for access points via Wi-Fi compatible devices



Select Wi-Fi router's SSID from shown access points



Enter password (Security Key) Save settings

If connection is successful, WLAN connection counter number on Wi-Fi router Status Bar increases by one (e.g. 🔠).

WPS Supported WLAN Device

Precautions for Using WPS Function

SSID Stealth

When SSID stealth is activated, WPS is unavailable. For SSID stealth, see "Wi-Fi Basic Settings (SSID A)."

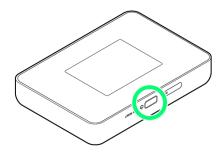
Security (Encryption Mode)

To use the WPS function, security (Encryption Mode) of Wi-Fi router must be set to WPA2-PSK (AES), WPA/ WPA2-PSK (AES+TKIP), or [WPA2-PSK/WPA3-SAE (AES)]

WPS Supported WLAN Device

1

Power Key (Long Press for 2 seconds or more)



- Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the
- · When Wi-Fi router connects to mobile network, [1] (mobile networks connected) illuminates.

2

Enable WLAN function on WLAN device, then prepare for WPS settings as required

 \cdot Method of setting WPS function varies by device. See WLAN device user guide etc.

3

Wi-Fi Guide

WPS





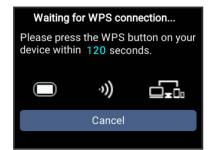
Start WPS



Wi-Fi-router is on standby to accept WLAN device connection.

5

While following window appears (within 120 seconds), set up WPS connection on WLAN device



To make other settings on WLAN device, follow the onscreen instructions

If connection is successful, "WPS connected successful" is displayed, and the icon indicating the number of connected WLAN devices appears on Status Bar (e.g. &1).

- · Setup may take approximately 2 minutes to complete.
- · While a device using WPS settings is connected, communication with other Wi-Fi compatible devices may be interrupted.
- · If the Wi-Fi compatible device has MAC Address Filtering set, WPS setup may fail.
- \cdot When using the WPS function, only SSID A can be connected. To connect to SSID B, search for an access point and connect. For details, see "Enabling Multi SSID (SSID B) Function."

Connecting with USB Cable (Windows)

| USB | Connection | with a | Window | s PC | | 30 |
|------|-------------|---------|----------|---------|----|-----------------|
| Devi | ce Recognit | ion/Rem | noval on | Windows | PC | 30 ₁ |

USB Connection with a Windows PC

Overview

Wi-Fi router automatically connects to the Internet when powered on. Connect with PC via USB Cable (recommended product sold separately) to enable data communication.

Device Recognition/Removal on Windows PC

Device Recognition (Windows)

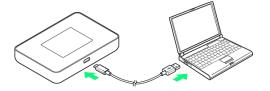
· When connecting to Windows PC, the standard driver installed on Windows PC is used.



Power on PC



Insert USB Cable (recommended product sold separately) into Wi-Fi router USB Type-C Port, and USB plug into PC.



PC should recognize Wi-Fi router within a few seconds.

Device Removal (Windows)

· Complete any data uploads/downloads, etc. before removing Wi-Fi router.

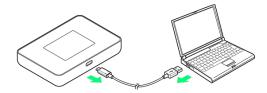


Check that any data uploading/downloading is completed

 \cdot Do not remove Wi-Fi router during transmissions.



Remove Wi-Fi router





Notes on Removal

Standby/Hibernation

Wi-Fi router may malfunction if PC enters standby (suspend/resume) or hibernation with it connected. Be sure to remove Wi-Fi router before leaving a PC unattended, etc. Wi-Fi router may malfunction if connected before Mac starts/restarts. Remove Wi-Fi router before starting/restarting PC.

Web UI

Exit Web UI before removing Wi-Fi router.

Connecting with USB Cable (Mac)

| USB | Connection | with | Mac | | | 34 |
|------|--------------|--------|--------|----|-----|----|
| Devi | ce Recogniti | ion/Re | emoval | on | Mac | 34 |

USB Connection with Mac

Overview

Wi-Fi router automatically connects to the Internet when powered on. Use a Mac connected to Wi-Fi router with USB Cable (recommended product sold separately) to transfer data.

Device Recognition/Removal on Mac

Notes on Removal

Before Entering Sleep Mode

Wi-Fi router may malfunction if Mac enters Sleep mode with it connected. Be sure to remove Wi-Fi router before leaving Mac unattended, etc. Wi-Fi router may malfunction if connected before Mac starts/restarts. Remove Wi-Fi router before starting/restarting Mac.

Web UI

Exit Web UI before removing Wi-Fi router.

Device Recognition (Mac)

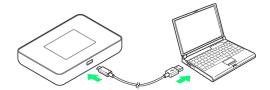
 $\boldsymbol{\cdot}$ When connecting to Mac, the standard driver installed on Mac is used.



Power on Mac



Connect USB Type-C plug of USB Cable (recommended product sold separately) to USB Type-C port of Wi-Fi router, and connect USB plug into Mac





Mac should recognize Wi-Fi router within a few seconds.

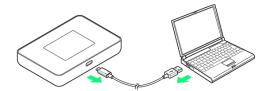
Remove Wi-Fi router from Mac

1

Check that any data uploading/downloading is completed

2

Remove Wi-Fi router from Mac



Removal is complete.

Settings (Using Router Touch Menu)

| Touch Menu | 38 |
|--|----|
| Setting SSID and Authentication Method | 38 |
| Setting Data Usage | 42 |
| Checking Information of Devices Connected to Wi-Fi | |
| Router | 45 |
| Setting Wi-Fi Spot | 46 |
| Other Settings | 48 |
| Checking Notifications | 63 |
| Checking Wi-Fi Router Information | 64 |
| Operation for Setting Data Traffic | 65 |

Touch Menu

Wi-Fi router uses a touchscreen-type Display. Tap Touch Menu icons for settings and notifications.

Touch Menu

Touch Menu icons are as follows.







Touch Menu Icons

For description of icons in Touch Menu, see "Touch Menu Icons."

Setting SSID and Authentication Method

Set Wi-Fi router's SSID (network name), password (Security Key: WPA key), authentication method and encryption method for WLAN connection.

Also, enable/disable Multi SSID (SSID B) for using two SSIDs.

Setting SSID and Password (Security Key)

Set SSID A/SSID B name shown on WLAN devices to be connected and password. To set SSID B, enable Multi SSID function beforehand. For details, see "Enabling Multi SSID (SSID B) Function."

- · Default SSID A/SSID B and password are as follows:
- \cdot SSID A/SSID B: 6-digit alphanumeric string with leading "A503SHa-" or "A503SHb-"
- · Password: 10 random ASCII characters

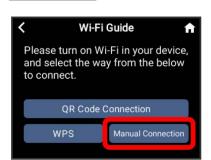


[Wi-Fi Guide]



2

Manual Connection



3

Edit



4

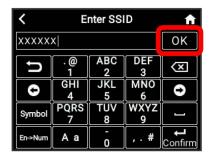
Tap SSID



5

Enter SSID

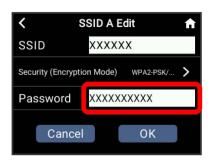
OK



 Half-width alphanumeric characters and symbols up to 32 bytes can be used.

6

Tap password



7

Enter password

OK



- · Can be set when Security (Encryption Mode) of Wi-Fi router is set to WPA2-PSK (AES), WPA/WPA2-PSK (AES+TKIP), WPA3-SAE (AES), or WPA2-PSK/WPA3-SAE (AES).
- · Characters that can be used are as follows:
- When Security (Encryption Mode) is WPA2-PSK (AES)
 / WPA/WPA2-PSK (AES+TKIP): half-width alphanumeric characters and symbols between 8 and 63 bytes, or 64-digit hexadecimal numbers
- · When Security (Encryption Mode) is WPA3-SAE (AES)
 / WPA2-PSK/WPA3-SAE (AES) : half-width alphanumeric characters and symbols between 8 and 63 bytes

8

OK)



Entered SSID and password (Security Key) are set.

Setting Authentication Method

Select authentication method for WLAN connection.

Authentication method in the table below are available.

· Authentication Method

| Item | Description |
|---------------------------------|---|
| Open | Authentication is not performed. |
| Enhanced Open (OWE) | Authentication is not performed. Provides greater encryption for communications between Wi-Fi router and Wi-Fi compatible devices than Open . To use this method, the connected Wi-Fi compatible device must support it. See the Wi-Fi compatible device user guide for whether it supports Enhanced Open (OWE) . |
| WPA2-PSK | Authentication is performed using WPA |
| (AES) | key. |
| WPA/WPA2- PSK (AES +TKIP) | Authentication is performed using WPA key. |
| WPA3-SAE | Authentication is performed using WPA |
| (AES) | key. |
| WPA2-PSK/ WPA3-SAE (AES) | Authentication is performed using WPA key. |

1

Wi-Fi Guide



2

Manual Connection



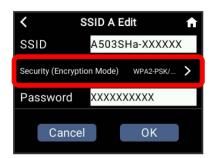
3

Edit



4

Security (Encryption Mode)



5

Tap button of authentication method to set



6

[OK]



Setting is modified.

Enabling Multi SSID (SSID B) Function

Enable Multi SSID (SSID B) and make basic WLAN settings for SSID B.

- \cdot When Multi SSID is enabled, communication speed may decrease depending on number of WLAN devices connected.
- \cdot By default, SSID B is disabled, and Security (Encryption Mode) is set to \$WPA2-PSK/WPA3-SAE (AES)\$.

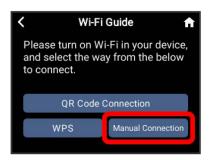


Wi-Fi Guide



2

Manual Connection



3

of "Enabled" under "SSID B" ()



SSID B is enabled.

4

Edit



5

Set SSID and password (Security Key), authentication method, and encryption method as set on SSID A



- SSID B is available.
- \cdot For setting methods and characters that can be used, see "Setting SSID and Authentication Method."

Setting Data Usage

Set maximum data traffic volume, reset date, etc.

Data traffic is an estimation. May differ from actual traffic volume. For actual traffic volume, contact administrator or Business Call Center when Wi-Fi router is under a corporate subscription. When Wi-Fi router is under an individual subscription, see Customer Service.

Data usage while using Wi-Fi spot is not included. Also, the maximum traffic volume displayed is not linked to the subscribed rate plan. Change it as necessary.

Checking Data Traffic Volume

Show accumulated data traffic at the moment from start of use or reset.



Data Usage



Show accumulated data traffic at the moment from start of use or reset.

Setting Maximum Traffic

Set monthly data traffic volume. When data traffic volume exceeds the set volume, a notification with pop-up window and icon, etc. appears.

- On Lock Screen, (bar icon) appears. When data traffic volume exceeds the set maximum volume, data traffic icon changes to (red bar icon). This is just a guide for using the device, and does not mean a limit on data communication.
- The set maximum traffic volume is not linked to the subscribed plan. Also, note that the data volume counted by this function is an estimate from the device's data volume and may differ from the actual data volume.
- By default, maximum traffic volume is set to 50 GB. Selectable range is 1 MB to 999 TB.

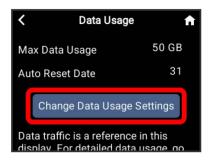


Data Usage



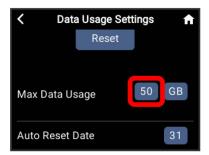
2

Change Data Usage Settings



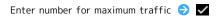


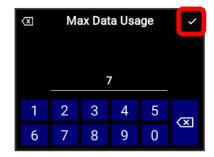
Tap number in "Max Data Usage"



Tap GB (GB) to change the unit of maximum data traffic volume to MB (MB)/TB (TB).







Maximum traffic is set.

Setting Auto Reset Date

Set date of month for automatically resetting accumulated data traffic.

It is reset at the timing which changes on the next day from set date.

By default, auto reset date is set to 31 . Selectable range is 01 to 31 .

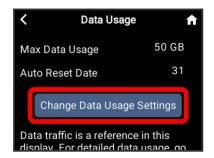


[Data Usage]



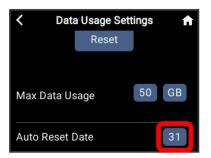
2

Change Data Usage Settings



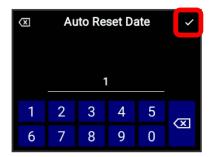
3

Tap number in "Auto Reset Date"



4

Enter day for auto reset date 🗦 🗸



- Auto reset date is set.
- · If set to 31, accumulated data traffic is reset at the timing of changing to the next day from the end of the month, even for months with fewer than 31 days.

Resetting Data Traffic

Reset shown data usage.

- \cdot Data traffic is reset under the following conditions:
 - · Wi-Fi router settings are reset to their factory defaults
 - · SIM Card is replaced
 - (Automatic Date and Time Setting) is enabled on Wi-Fi
 - \cdot Date and Time $\,$ settings are changed on Wi-Fi router $\,$

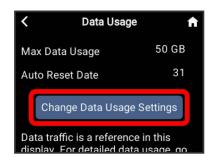


Data Usage



2

Change Data Usage Settings



3

Reset



4





Data traffic is reset immediately.

Checking Information of Devices Connected to Wi-Fi Router

Check information of devices connected to Wi-Fi router, such as computers, smartphones, and games.

Checking Information of Devices Connected to Wi-Fi Router

1

Client List



Host name, MAC address, IP address and interface of connected devices are shown.

Setting Wi-Fi Spot

Wi-Fi router can connect to the Internet by connecting to WLAN router at home or work, or to SoftBank Wi-Fi spot. This Internet connection is called Wi-Fi spot function.

Setting Wi-Fi Spot

Connect to the Internet via Wi-Fi.

- · By default, Use Wi-Fi Spot is disabled.
- Maximum communication speed may decrease depending on number of WLAN devices connected.
- \cdot When using Wi-Fi spot function, Multi SSID function cannot be used.
- · If Wi-Fi spot is enabled, different Wi-Fi mode and Wi-Fi channel from those set may be used. To keep the set Wi-Fi mode and Wi-Fi channel, refrain from using Wi-Fi spot.



Wi-Fi Spot



2

of "Use Wi-Fi Spot" ()



- Use Wi-Fi spot is enabled.
- · If confirmation appears, follow onscreen prompts.

3



- Tap Scan to search for nearby Wi-Fi spot access points.

 A list of detected and registered networks is shown.

 Registered networks are displayed with priority, and newly registered networks are displayed at the top of the list.

 Unregistered networks are displayed in order of signal strength. SSID of Wi-Fi router is not displayed.
- Unless Wi-Fi is in sleep mode, scans are performed periodically in the background, but you can tap Scan to scan immediately.

4

Select authentication method

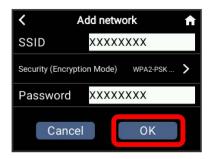


5

Enter password (Security Key) 🔵 OK







- You will now be able to connect to the Internet via the set network.
- \cdot If confirmation appears, follow onscreen prompts.
- \cdot The maximum number of access points that can be set is 10.
- When Security (Encryption Mode) is set to Open, a confirmation screen for encryption will appear. When the confirmation screen appears, check the contents and select Yes.
- When connecting by scanning, you cannot change the security (Encryption Mode).
- Characters That Can Be Used for Network Name (SSID) and Password (Security Key)

Characters that can be used for Network Name (SSID) and password (Security Key) are as follows:

- \cdot Network Name (SSID): Half-width alphanumeric characters and symbols up to 32 bytes
- Password (Security Key): Half-width alphanumeric characters and symbols between 8 and 63 bytes, or 64digit hexadecimal numbers.

Setting SoftBank Wi-Fi Spot

Connect to the Internet using SoftBank Wi-Fi spot.

· By default, Use SoftBank Wi-Fi Spot is disabled.



[Wi-Fi Spot]



2

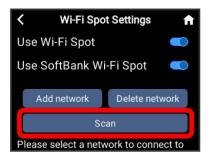




- SoftBank Wi-Fi spot is enabled.
- · If "Use Wi-Fi spot" is disabled, enable (🥌) it.

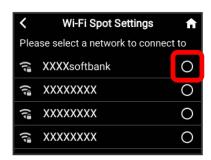


Scan



4

Tap button of network to connect to



You will connect to SoftBank Wi-Fi spot and be able to connect to the Internet.

Other Settings

Set various settings such as roaming, Lock Screen PIN for unlocking screen, Display brightness, Sleep mode, Wi-Fi communication standard, software update, and erasing notifications icons.

Setting Network

Set network mode of mobile network manually. By default, Network Mode is set to $\frac{5G}{4G}$.

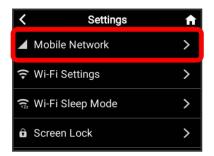


[Settings]



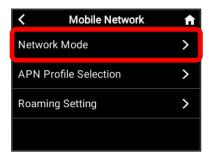
2

Mobile Network

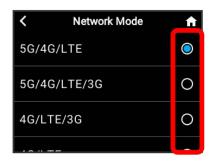


3

Network Mode



Tap button of mode to set



Network mode is set.

Setting 5G Method

When using 5G, you can set whether to use 5G SA (Stand Alone).

Settings Mobile Network Network Mode Mode Mobile Network Mode Mode Mobile Network Mode Mobile Network Mode Mode Mobile Network Mode Mode Mobile Network Mode Mobile Network Mode Mode Network Mode Mode Network Mode Mode Network Mode Mode Network Mode Netw

Setting APN Profile

Select APN profile.

- · [法人] 閉域網契約専用APN (共通) is a common APN dedicated to closed network service "Network/VPN gateway secure mobile access" offered by SoftBank Corp. for corporate customers. A contract is required to use "Network/VPN gateway secure mobile access." For details on "Network/VPN gateway secure mobile access," see https://www.softbank.jp/biz/cloud/sdngateway/secure_mobile_ac/(Japanese).
- · By default, APN Profile Selection is set to Commercial .

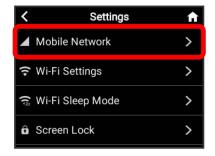
1

Settings



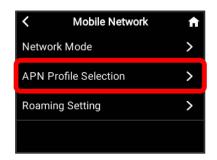
2

Mobile Network



3

APN Profile Selection





Tap button of APN profile to set



- APN profile is set.
- \cdot If confirmation appears, follow onscreen prompts.

International Roaming

Enable International data roaming.

· By default, Use Roaming is disabled.

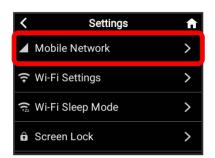


[Settings]



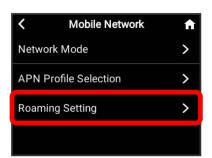
2

Mobile Network



3

Roaming Setting









- International Roaming is enabled and roaming overseas is available.
- $\boldsymbol{\cdot}$ Note that charges may be expensive when used overseas.
- To use 3G outside Japan, select 5G/4G/LTE/3G / 4G/LTE/3G in Network Mode . For details, see "Setting Network."

Enabling/Disabling Wi-Fi

Set Wi-Fi function of Wi-Fi router to enable/disable. Only USB connection is available when disabled.

· By default, Use Wi-Fi is enabled.



[Settings]

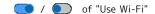


2

Wi-Fi Settings



3





Wi-Fi is switched on/off.

· If you disable Wi-Fi and then enable it again while "SSID A Wi-Fi Mode"/"SSID B Wi-Fi Mode" is set to 5 GHz, the Wi-Fi function will be enabled in the 5 GHz band, and a screen checking for radio interference with the weather radar, etc. may be displayed.

Setting Wi-Fi Communication Standard

If you are unable to connect with WLAN at the time of purchase, you may be able to do so by changing Wi-Fi communication standard setting.

- · By default, Wi-Fi mode is set as follows:
 - · SSID A Wi-Fi Mode: 2.4 GHz
 - · SSID B Wi-Fi Mode: 2.4 GHz

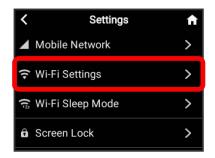


[Settings]



2

[Wi-Fi Settings]



3

SSID A Wi-Fi Mode / SSID B Wi-Fi Mode



• To select SSID B Wi-Fi Mode , enable Multi SSID function. For details, see "Enabling Multi SSID (SSID B) Function."

4

Tap button of communication standard to set



The desired Wi-Fi communication standard is set.

Wi-Fi Mode

Read the following carefully regarding Wi-Fi mode.

- · If SSID A and SSID B use different frequency bands, DBS is displayed in Wi-Fi router's Status Indicator display
- When using 5 GHz frequency band indoors, make settings while Wi-Fi router is charging or connected to wired LAN.
 5.2 GHz/5.3 GHz WLAN (W52/W53) can be used only while Wi-Fi router is charging or connected to wired LAN.
- If 5 GHz is selected while Wi-Fi router is charging or connected to wired LAN, the Indoor / Outdoor selection screen appears. Select appropriately according to where Wi-Fi router is used. If no selection has been made after 30 seconds, Outdoor will be set automatically.

If 5 GHz is set while Wi-Fi router is neither charging nor connected to wired LAN, Outdoor will be set automatically and the selection screen will not appear.

- \cdot If a confirmation screen appears notifying that Wi-Fi will be disconnected, check the contents and select \mbox{OK} .
- 5 GHz cannot be selected during international roaming. If 5 GHz is not available, the item will be grayed out.
- · When using Wi-Fi spot, Multi SSID function cannot be
- If 5 GHz frequency band is not available, "Wi-Fi Mode" cannot be set to 5 GHz.

Sleep Mode

Sleep mode is a function that automatically turns off the Wi-Fi function if no operations are performed for a certain period of time and no Wi-Fi compatible devices are connected. Set time period before going into Sleep mode. And disable the mode not to go into Sleep mode.

- · Wi-Fi router will not enter Sleep mode in the following cases:
 - $\boldsymbol{\cdot}$ Screen is on
 - \cdot Charging with AC Charger (sold separately) or Cradle
 - \cdot Connected to computer via USB
 - · Connected to wired LAN using Cradle
- · By default, Wi-Fi Sleep mode is set as follows:
- · Sleep Mode: Enabled
- · Timeout: 5 min
- · Switching by Battery Level: Disabled

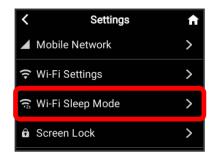
1

[Settings]



2

Wi-Fi Sleep Mode



3

Tap time period for "Timeout"



• To disable Sleep mode, tap in "Sleep Mode" to turn off ().

When Sleep mode is disabled, More Battery is consumed and the standby time is shortened.

4

Tap button of minutes to set



Wi-Fi router goes into Sleep mode at set time.

Screen Lock

Set password entry for unlocking the screen.

· By default, Use the Lock is disabled.

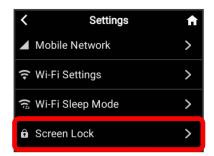


[Settings]



2

Screen Lock



3

of "Use the Lock" ()



"Use the Lock" is enabled.

4

Enter four-digit password

→ OK



5

Re-enter four-digit password \bigcirc OK



- Unlocking password is set.
- When password is set, password entry screen appears when unlocking screen. For unlocking screen by entering password, see "Entering Password to Unlock Screen."
- To change the set password, in step 3 screen, tap
 Modify Passcode and enter current password, then set a new password.

Entering Password to Unlock Screen

1

Flick 🐧 right on Display



2

Enter four-digit password 🔵 OK



- Home Screen appears.
- · If password is incorrect, re-enter prompt appears.
- · If you forget password, reset Wi-Fi router to disable Lock Screen by password. To reset Wi-Fi router, see "Front/Top/Bottom" (for Touch Menu) or "Resetting Wi-Fi Router" (for Web UI). By resetting, note that in addition to password for Lock Screen, all Wi-Fi router settings return to their default state.

Changing Display Brightness

Set screen brightness.

 \cdot By default, screen brightness is set to the third level on the slide bar.



[Settings]



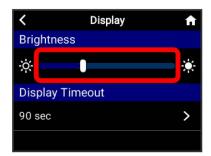
2

Display



3

Tap the bar on the position of brightness to set



- Display brightness changes to desired brightness.
- · Display Brightness has 10 levels.

Changing Backlight Time

Set backlight timeout when there is no operation of Wi-Fi router.

By default, Display Timeout is set to 90 sec .



[Settings]



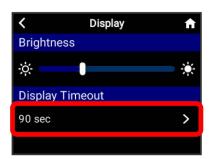
2

Display



3

Tap number of seconds for "Display Timeout"



4

Tap button of seconds to set



Display Timeout changes to desired seconds.

Setting Language

Select language to apply on Display.

· By default, language is set to 日本語.



Settings



2

[Language Settings]



3

Tap button of language to set



The desired language is set.

 \cdot The language of Web UI is also changed.

Setting Time

Change time format (24-hour format/12-hour format) and time zone.

- · If "Automatic Date and Time Setting" is enabled, or if Date and Time is set manually, data usage will be reset.
- \cdot By default, Date and Time Settings is set as follows:
 - \cdot Automatic Date and Time Setting: Enabled
 - \cdot Automatic Time Zone: Enabled
 - · Use 24-hour Format: Enabled

1

Settings



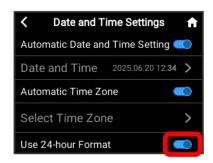
2

Date and Time Settings









Time format is changed to 24-hour format or 12-hour format.

Selectable range is as follows:

Year: 2021 to 2037
Month: 01 to 12
Day: 01 to 31
Hour: 00 to 23
Minute: 00 to 59

• To change time zone, tap for "Automatic time zone" (), and select the desired time zone.

Updating Software

You can update the software and set whether to update the software of Wi-Fi router automatically at regular intervals.

• By default, Auto update is enabled, and Update time is set to 4:00. Selectable range for update time is 0:00 to 23:00.



[Settings]



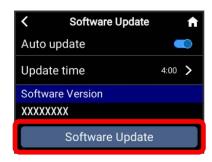
2

Software Update



3

Software Update



4

Confirm message 🔵 Update



Checks for the latest software. If software update is found, update software. When software update is complete, Wi-Fi router will reboot automatically.

- · Depending on the type of update, the update file may be downloaded and installed automatically.
- \cdot When software in use is the latest version, "The software is up to date" appears.
- · When a confirmation screen for reboot appears, check the contents and follow the onscreen instructions.
- Software updates can also be performed using Web UI. For details, see "Updating Software."

Software Update

Software update is a function that updates the software of Wi-Fi router to make it safer and more comfortable to use. Software update includes the following content, so be sure to update to the latest software version.

There are two types of software updates:

· Add new functions

Updating the functions of Wi-Fi router will improve its functionality and operability, allowing you to use it more comfortably.

· Quality improvement

Updating the functions of Wi-Fi router will improve its quality, allowing you to use it more comfortably. For specific software update content and duration provided for Wi-Fi router, see SoftBank Corp. website.

- · Conditions of use
- \cdot Updates cannot be performed if the software has been modified.
- · Software updates can be performed while retaining the settings on Wi-Fi router; however, data may not be protected depending on the condition of your device (malfunction, damage, water damage, etc.). It is recommended that you back up any data you need in advance.

Setting Software to Update Automatically at Set Time

When an update becomes available for Wi-Fi router, the software will be updated automatically at the set time.

Settings Software Update of "Auto update" ()

• Settings → Software Update → Update time
→ Set update time → ✓ to set the update time.

Precautions for Software Update

Note the following when updating the software:

- · When the software update is complete, you cannot revert to the previous software version.
- · While software is updated, information specific to Wi-Fi router (such as model and serial number) will be sent to SoftBank Corp. servers. Information sent will not be used for any purpose other than the software update.
- When updating to new software version, Wi-Fi router will reboot. Also, data communication may not be available while software is being updated.
- · Various functions will be unavailable during reboot.
- · If a PIN has been set, you may be asked to enter the PIN on a screen during reboot after the rewrite process.
- If the software update fails and you are no longer able to perform any operations, please contact us. For contact information, see Customer Service.
- Software update cannot be performed in the following cases. Please try again after resolving any issues.
 - · When battery level is low
 - · When "OUT" is displayed
- · During international roaming
- \cdot When the operating software has been improperly $\operatorname{\mathsf{modified}}$
- \cdot Do not turn off the power during software update.
- It is recommended to download the update file in an area with strong signal and to not move around. If the signal is weak, the update may be interrupted.
- Software update can be performed when battery level is 30% or more.
- · Software update is available even when "Battery Care Mode (Weak)" is set. When "Battery Care Mode (Strong)" is set, software update can be performed when battery level is 15% or more and AC Charger is connected.
- While software is updated, other functions such as data communication are unavailable (except when using Wi-Fi spot).
- Software update cannot be performed if a device within LAN is currently communicating (except when using Wi-Fi spot).

Setting USB Communication Standard

Set USB communication standard.

• By default, USB mode is set to USB 3.0 .

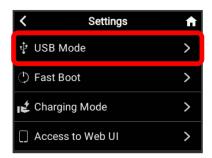


[Settings]



2

[USB Mode]



3

Tap button of USB communication standard to set



The desired USB communication standard is set.

Setting Fast Boot

Enable Fast Boot and shorten the time to turn on Wi-Fi router.

When Quick Boot is enabled, Wi-Fi router consumes a small amount of battery even when the power is off.

· By default, Fast Boot is enabled.

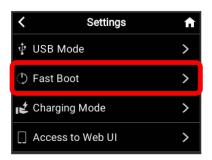


[Settings]



2

Fast Boot



3





"Fast Boot" is enabled.

Setting Charging Mode

Set charging method.

- · By default, Charging Mode is set to Normal Mode .
- When set to Normal Mode , charging will stop when battery level reaches 100% and Wi-Fi router will power directly from AC Charger (sold separately).
- When set to Battery Care Mode (Weak), charging will stop when battery level reaches 90% and Wi-Fi router will power directly from AC Charger (sold separately).
 When battery level drops to 85%, charging will begin again.
- When set to Battery Care Mode (Strong), charging will stop when battery level reaches 20% and Wi-Fi router will power directly from AC Charger (sold separately).
 When battery level drops to 15%, charging will begin again.

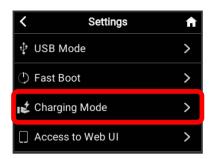
1

Settings



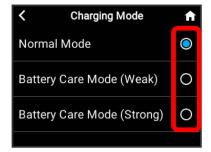
2

Charging Mode



3

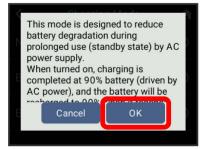
Tap button of charging mode to set



4

Confirm message

OK



- Charging mode is set.
- When charging mode is set to Battery Care Mode (Strong), battery level is low, so set to Normal Mode and charge before carrying around.

Checking Web UI

Access setting page (Web UI) on web browser to make detailed settings. Check URL for Web UI, Login password, etc.

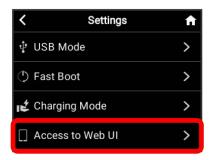
1

[Settings]



2

Access to Web UI



- URL and QR code for Web UI are shown.
- Read QR code using a smartphone etc. to access Web UI from web browser of the smartphone.

Checking Battery Status

Check charging performance status of Internal Battery.

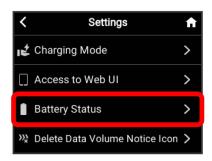


[Settings]



2

Battery Status



- Marging performance status of Internal Battery appears.
- · After a long period of use, battery capacity may decrease and charging performance may deteriorate. The message "Not enough capacity" appears as a guide for when to replace the battery. If the battery is in good condition, "Enough capacity" appears.

Clearing Notification Icons for Data Traffic

Clear present Notification icons for data traffic. Notification icons appear when Wi-Fi router is under an individual subscription.

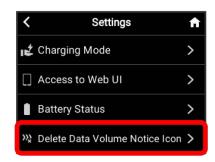


Settings



2

[Delete Data Volume Notice Icon]



3





- Shown Notification icons are cleared.
- This step clears only Notification icons shown on Status Bar. "Usage settings" icon on Touch Menu is not cleared.

Checking Notifications

Wi-Fi router receives available notifications.

Checking Notifications

1

[Notifications]



2

Tap Notification to delete



Check notification.

Deleting Notifications

1

(Notifications)



2

Tap notification to delete



3

[Delete]



4

OK



Notification is deleted.

Selecting and Deleting Notifications

1

[Notifications]



2

Checkmark notifications to delete



· Checkmark checkbox at top of screen to select all.





4

OK



Selected notifications are deleted.

Checking Wi-Fi Router Information

Check various information of Wi-Fi router such as Web UI URL, phone number, software version, etc.

Checking Wi-Fi Router Information

Check the following information.

| Item | Description |
|--------------------------|---|
| Phone Number | Phone number saved in SIM Card |
| IMEI | Serial number of Wi-Fi router |
| LAN Domain | URL for accessing Web UI |
| System Version | Current system version |
| Software Version | Current software version |
| Battery Serial Number | Serial Number of Battery |
| Certificate | Various standards for which Wi-Fi router is certified |

1

(About Device)



Information of Wi-Fi router appears.

Operation for Setting Data Traffic

Make settings for data traffic when Wi-Fi router is under an individual subscription.

Reserving End of Speed Slowdown (on Pop-up Screen)

When a pop-up notice appears for an approaching slowdown in communication speed, make a reservation to have speed slowdown ended.

1

Check information on pop-up screen

Yes



2

Tap data traffic volume for which speed slowdown is ended



3

Setting



4

OK)



Making of reservation is complete.

Reserving End of Speed Slowdown (on Touch Menu)

 $\label{eq:make-alpha-based} \mbox{Make a reservation to have speed slowdown ended on Touch} \mbox{Menu.}$



[Data Volume]



2

Tap data traffic volume for which speed slowdown is ended



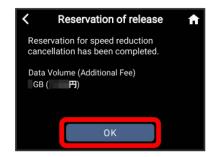
3

[Setting]



4

[OK]



Making of reservation is complete.

Canceling Reserved End of Speed Slowdown

Cancel a reserved end of speed slowdown.

1

Data Volume



2

Reservation is canceled



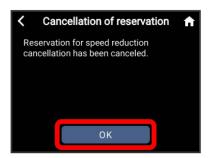
3

[Setting]



4

OK



Cancellation of end reservation is complete.

Ending Speed Slowdown (on Pop-up Screen)

When a pop-up notice appears for the start of a slowdown in communication speed, end the speed slowdown and have communication speed returned to normal speed.

1

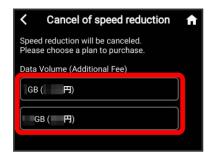
Check information on pop-up screen

Yes



2

Tap data traffic volume for which speed slowdown is ended



3

[Setting]









Ending of speed slowdown is complete.

Ending Speed Slowdown (on Touch Menu)

End speed slowdown on Touch Menu.

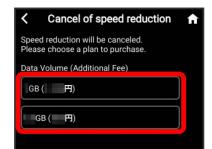


[Data Volume]



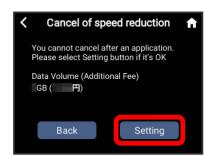
2

Tap data traffic volume for which speed slowdown is ended



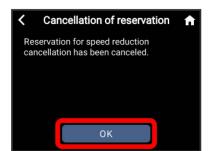
3

[Setting]



4





Ending of speed slowdown is complete.

Settings (Using WEB UI)

| Overview of web ul | / U |
|----------------------------------|-----|
| Web UI Window | 73 |
| Checking Connected WLAN Devices | 76 |
| Setting Mobile Network | 80 |
| Setting Wi-Fi Spot | 89 |
| Managing PIN | 95 |
| Checking Connection History | 102 |
| Setting LAN | 103 |
| Setting Wi-Fi | 135 |
| Device Settings | 146 |
| Showing Wi-Fi Router Information | 170 |

Overview of Web UI

Use Web UI in a browser to check information and change settings for Wi-Fi router, from a computer or mobile device connected via a WLAN or USB Cable (recommended product sold separately).

This section uses connection with USB Cable (recommended product sold separately) as an example. Screen may differ depending on your OS and web browser.

For supported browsers, see "Operating Environment (Supported OS)."

Web UI

For information on using Web UI, see below.

- · For details on connecting with Wi-Fi router, see "Connecting with WLAN," "Connecting with USB Cable (Windows)," and "Connecting with USB Cable (Mac)."
- · If the settings for MAC Address Filtering or Wi-Fi Settings are changed on Web UI from a computer or mobile device connected via Wi-Fi, the Wi-Fi connection may be lost. Note that you may need to change settings on the computer or mobile device to reconnect. Settings can also be changed on Web UI by connecting via USB using USB Cable (recommended product sold separately) or via wired LAN using Cradle.
- · Web UI cannot be displayed or configured on multiple computers or mobile devices simultaneously.
- · Some functions can also be set on Wi-Fi router.
- · Web UI can also be used when Wi-Fi router's display is turned off or when the touch panel lock screen is displayed.
- · If a screen other than the touch panel lock screen is displayed on Wi-Fi router while making settings on Web UI, setting may be interrupted and you may be logged out.
- · After turning off Wi-Fi router's display, it may not be possible to log in to Web UI immediately. Wait for a while and then try logging in.
- · By default, Web UI cannot be displayed from a computer or mobile device connected to SSID B via Wi-Fi.
 - · Display Web UI from a computer or mobile device connected to SSID A via Wi-Fi, or from a computer connected via wired LAN.
- To display Web UI from a computer or mobile device connected to SSID B via Wi-Fi, set "Access to Web setting tool for SSID B users" to Allow. For details, see "Enabling Multi SSID Function (SSID B)."

Activating Web UI

Screen shots and steps described here are for computer (Windows 11) compatible with Web UI.

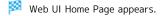


Start computer and connect Wi-Fi router via WLAN or USB Cable

· For WLAN connection with computer, see "WLAN (Wi-Fi) ," and for USB connection, see " USB Connection with a Windows PC," " USB Connection with Mac."



Activate web browser and enter URL (http://web.setting) in address bar

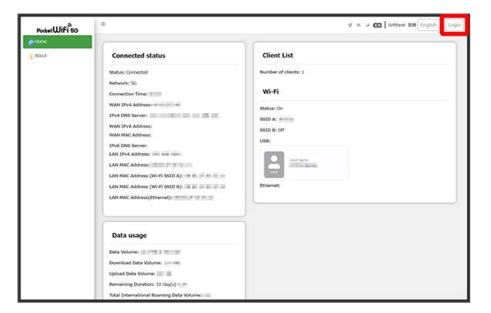


· Select English from language list.

Logging into Web UI

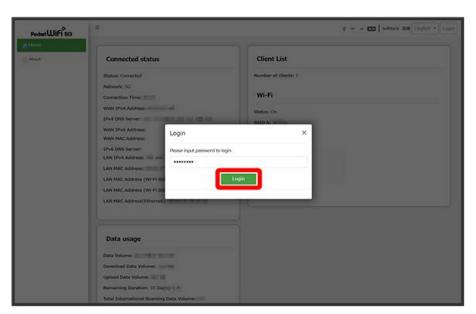
1

In Web UI Home Page, Login



- Login window opens.
- 2

Enter Login password 🔵 Login



- "Logout" button appears at top right of screen, then logging in is completed.
- \cdot Make sure to enter upper and lower case characters correctly.
- · By default, password for Web UI is set to the last 6 digits of IMEI number (International Mobile Equipment Identifier). For the IMEI information of Wi-Fi router, check the supplied "Wireless LAN initial settings sticker" or About Device on menu of Wi-Fi router.

👸 Default Login Password

For enhancing security, it is recommended to change Login password regularly.

If default Login password is used, a message prompting you to change password appears after logging in. Click OK to change Login password, and be careful not to let others know it.

To change Login password, see "Changing Login Password for Web UI."

· Half-width alphanumeric characters and symbols between 8 and 32 bytes can be used. Make sure to include at least one character from each of 4 types: uppercase alphabet, lowercase alphabet, number, and symbol.

If you forget password, resetting Wi-Fi router using the reset button will reset the password.

To reset Wi-Fi router, see "Front/Top/Bottom."

Cautions for Operating Web UI

Logging into Web UI

Please note the following for Web UI login.

- $\cdot \text{ While operating Wi-Fi router, login to Web \, UI is not available. After turning Wi-Fi router \, Display \, off, \, login \, to \, Web \, UI.}$
- · Login to Web UI from two or more devices simultaneously is not available.
- · When 10 minutes passes with no operation on Web UI, you are logged out automatically, and entered information is deleted.

Changing Settings via WLAN Connection

Changing LAN Wi-Fi setting on Web UI from device connected via WLAN may disconnect WLAN connection.

Web UI Window

Layout



| Item | Description |
|--------------------|--|
| 1 Main Menu | Toggle tab menu. |
| 2 Language | Switch language. |
| 3 Login/Logout | Log in to/Log out of Web UI. |
| | Status: Shows connection status. |
| | Network: Shows network type used. |
| | Connection Time: Shows connection time. |
| | WAN IPv4 Address: Shows IPv4 address of WAN. |
| | IPv4 DNS Server: Shows IP address of DNS server. |
| | WAN IPv6 Address: Shows IPv6 address of WAN. |
| 4 Connected status | WAN MAC Address: Shows MAC Address of WAN. |
| | IPv6 DNS Server: Shows IPv6 address of DNS server. |
| | LAN IPv4 Address: Shows IPv4 address of LAN. |
| | LAN MAC Address: Shows MAC address of LAN. |
| | LAN MAC Address (Wi-Fi SSID A): Shows MAC address of SSID A on LAN side. |
| | LAN MAC Address (Wi-Fi SSID B): Shows MAC address of SSID B on LAN side. |
| | LAN MAC Address (Ethernet): Shows MAC address of wired LAN on LAN side. |
| | Data Volume: Shows accumulated data traffic at the moment from start of use or reset. |
| | Download Data Volume: Shows downloaded data volume. |
| | Upload Data Volume: Shows uploaded data volume. |
| | Remaining Duration: Shows period of time after data traffic volume was reset. |
| | Total International Roaming Data Volume: Shows accumulated data traffic after international |
| | roaming started. |
| 5 Data usage | International Roaming Download Data Volume: Shows downloaded data volume on international roaming. |
| | International Roaming Upload Data Volume: Shows uploaded data volume on international |
| | roaming. |
| | Auto Reset Date: Shows date when auto reset is performed. |
| | Last Clear: Shows date when reset was performed last time. |
| | RESET: Resets data traffic volume shown. |
| | |

Number of clients: Shows the number of WLAN devices connected to SSID A.

Status: Shows Wi-Fi status. SSID A: Shows SSID A name.

SSID B: Shows SSID B name when Multi SSID function (SSID B) is enabled.

USB: Shows host name, IP address, and MAC address when WLAN device is connected. Wired LAN: Shows host name, IP address, and MAC address when WLAN device is connected.

Data Usage

6 Client List

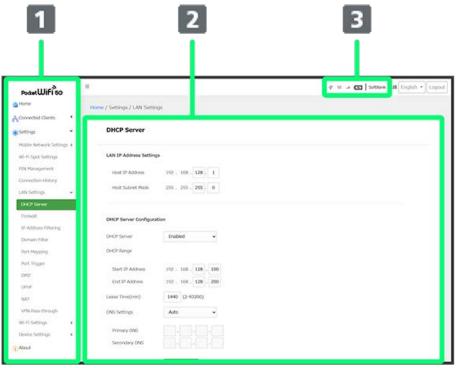
Data traffic is an estimation. May differ from actual traffic volume. For actual traffic volume, contact administrator or Business Call Center when Wi-Fi router is under a corporate subscription. When Wi-Fi router is under an individual subscription, see Customer Service.

Data usage while using Wi-Fi spot is not included.

Also, the maximum traffic volume displayed is not linked to the subscribed rate plan. Change it as necessary.

Tab Screen

"Settings" tab screen is used as an example.



| Item | Description |
|------------------------------|---|
| Menu List | Shows Submenus; click option to toggle screens. |
| 2 Information/Setting Screen | Information/Setting for each function |
| | Mobile network signal level: |
| | to 1: Mobile network connected (4 levels) |
| | 1: Mobile network not connected |
| | Searching for mobile network |
| | OUT : Out of service |
| | Wi-Fi spot signal level: |
| | 🛜 to 🦃 : Wi-Fi spot connected (3 levels) |
| | Network: |
| | 5G 2: 5G connected |
| | 4G: 4G connected |
| | LTE: LTE connected |
| Status Icon | Notifications: |
| | : Appears if there are unread notifications. |
| | Wired LAN Connection: |
| | Appears when connected via wired LAN. |
| | USB connection: |
| | ψ : Appears when connected via USB. |
| | Battery: |
| | to a: Battery level (5 levels) |
| | 🔁 : Charging |
| | 4: In Battery Care Mode (Weak) (indicated in green) |
| | 4: In Battery Care Mode (Strong) (indicated in yellow) |
| | ☑ 5: Charging function is limited due to high battery temperature |

- 1 R mark appears during international roaming.
- 2 Even if "5G" is displayed while on standby, when you communicate, the display may change to "4G" and 4G communication may be used.
- 3 When the battery is hot, it is indicated by the battery icon [(in red).
- 4 While charging function is limited, the line of battery level is displayed diagonally.
- 5 Appears if you continue to charge during long-term use or if you spend a large amount of time charging.

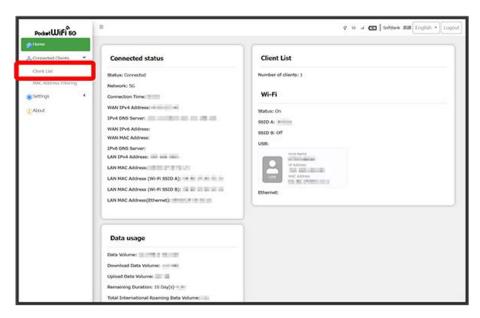
Checking Connected WLAN Devices

Showing Connected WLAN Devices

Show list of WLAN devices connected to Wi-Fi router. When Multi SSID (SSID B) is enabled, devices connected to SSID B can also be checked.



In "Connected Clients" tab 🔵 Client List



- Most name, MAC address, IP address and interface are shown.
- · Click Filter to Allow to add MAC address of the connected WLAN device to MAC Address Filtering. Follow onscreen prompts.
- · Click Edit for connected WLAN device to change device name to something more easily understandable. Enter name and click Save .

 Half-width alphanumeric characters, hyphens (-), and underscores (_) up to 64 bytes can be used.

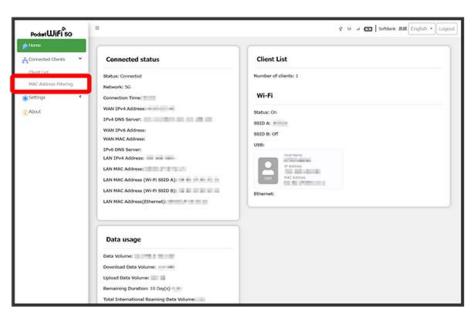
MAC Address Filtering

Enable MAC address filtering to restrict WLAN device connections.

- · When Multi SSID (SSID B) is enabled, MAC Address Filtering is also set in SSID B.
- \cdot Can be set for devices connected via Wi-Fi and wired LAN. Cannot be set for devices connected via USB.
- · When using MAC Address Filtering, be sure to add the MAC addresses of devices allowed to connect and then set this to Enabled
- . If the device displaying Web UI screen is not allowed to connect, connection will be rejected and you will not be able to change the settings.
- $^{\circ}$ By default, MAC Address Filtering is set to $\boxed{\mbox{Disabled}}$.

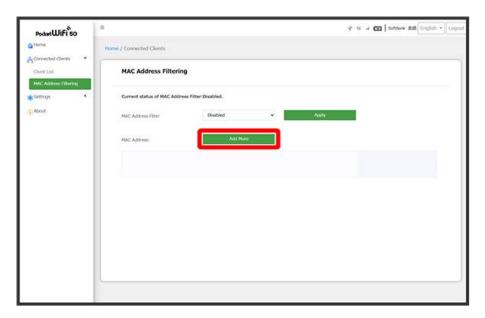
1

"Connected Clients" tab () [MAC Address Filtering]



2

Add More

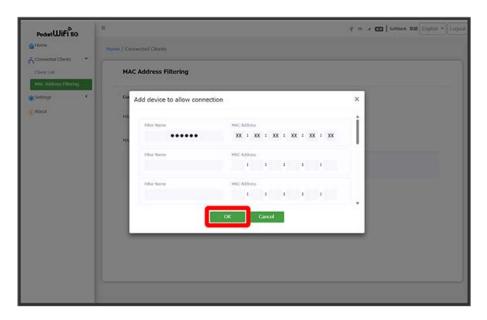


MAC Address entry screen appears.



Enter Filter Name and MAC Address

OK



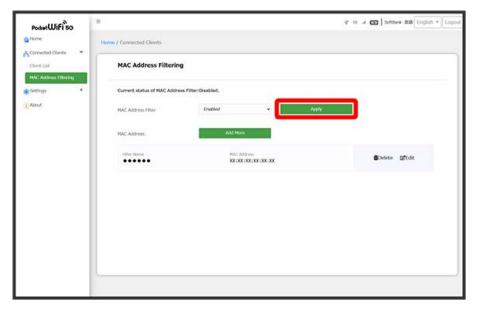
- Permitted devices appear.
- \cdot For "Filter Name," half-width alphanumeric characters, symbols, and full-width characters up to 32 bytes can be used.
- · Selectable range for "MAC Address" is 6 pairs of 2-digit hexadecimal numbers.
- \cdot If confirmation appears, follow onscreen prompts.
- To edit filter name or MAC address of added device, click Edit .
- · To delete added device, click Delete .
- \cdot The maximum number of MAC Address Filtering settings is 10.

4

Disabled for "MAC Address Filter"

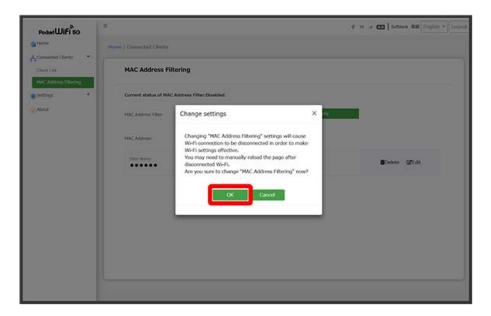
Enabled

Apply



· To cancel MAC Address Filtering, Enabled 🗦 Disabled 🗦 Apply





MAC Address Filtering is set.

Setting Mobile Network

Wi-Fi router connects to mobile network automatically without special settings. To change APN, creating profiles may be required according to the access point.

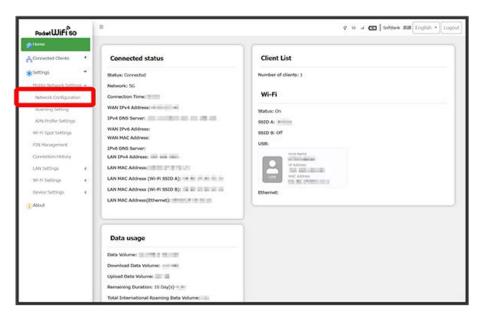
Changing Network Mode

Select network mode of mobile network manually.

By default, Network Mode is set to 5G/4G/LTE.

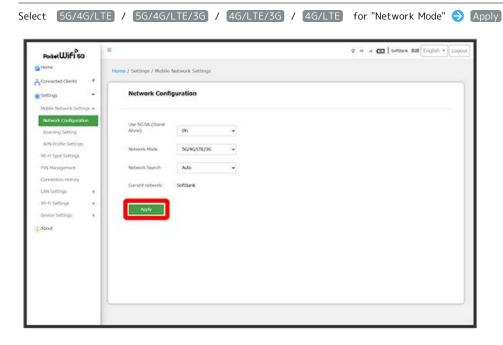


"Settings" tab () Mobile Network Settings () Network Configuration

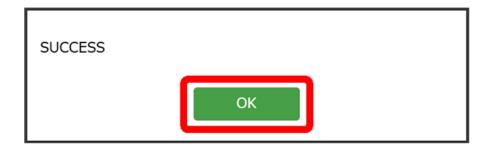


Network Configuration screen appears.









The desired network is set.

Setting 5G Method

When using 5G, you can set whether to use 5G SA (Stand Alone).

Select On / Off for "Use 5G SA (Stand Alone)" on Network Configuration screen
Apply OK

- · If "Use 5G SA (Stand Alone)" is set to Off , only 5G NSA (Non-Stand Alone) is used.
- · Since it is not compatible with overseas 5G SA frequencies, when using international roaming, only 5G NSA is used even if "Use 5G SA (Stand Alone)" is set to On.
- $^{\circ}$ By default, "Use 5G SA (Stand Alone)" is set to $$\operatorname{On}$$.

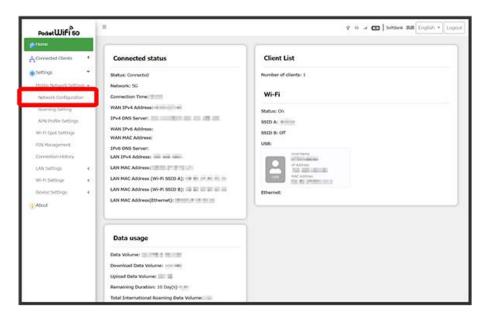
Searching Mobile Network

Search and set mobile network.

By default, Network Search is set to Auto.



"Settings" tab
Mobile Network Settings
Network Configuration

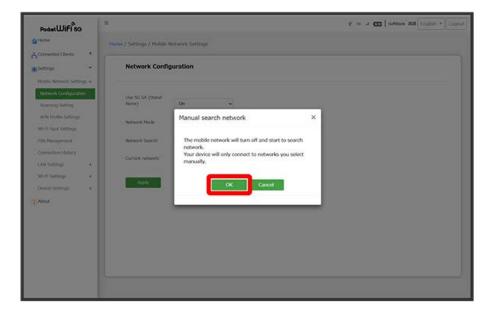


2

Auto for "Network Search"

Manual

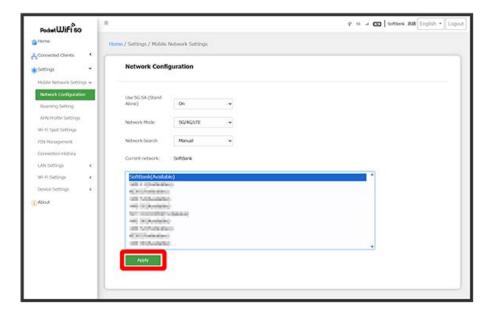
OK



- Selectable mobile network list is created.
- · If confirmation appears, follow onscreen prompts.

Checkmark mobile network

Apply



4





The desired network is set.

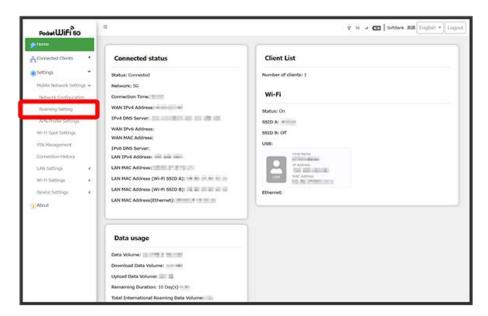
International Roaming

Set International data roaming.

· By default, Use Roaming is set to Disabled .



"Settings" tab → Mobile Network Settings → Roaming Setting

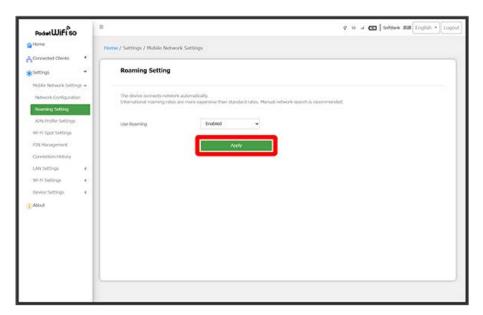


2

Disabled for "Use Roaming"

Enabled

Apply









- International roaming setting is applied.
- To use 3G outside Japan, select 5G/4G/LTE/3G / 4G/LTE/3G in Network Configuration . For details, see "Changing Network Mode."
- $\boldsymbol{\cdot}$ Note that charges may be expensive when used overseas.

Creating Profile

Add or change APN. To add a new profile, set the following items.

| Item | Description |
|----------------------|--|
| Profile Name | Enter profile name. Half-width alphanumeric characters, symbols, and full-width characters up to 32 bytes can be used. |
| APN Name | Enter APN.¹ Half-width alphanumeric characters, dots (.), and hyphens (-) up to 62 bytes can be used. |
| User Name | Enter user name. Half-width alphanumeric characters, symbols, and full-width characters up to 64 bytes can be used. |
| Password | Enter password. Half-width alphanumeric characters, symbols, and full-width characters up to 32 bytes can be used. |
| Authorization Method | Select authentication method. Set to CHAP by default. |
| IP Type | Select IP type. Set to IPv4/v6 by default. |
| IP Type(Roaming) | Select IP type when using international roaming. Set to IPv4 by default. |

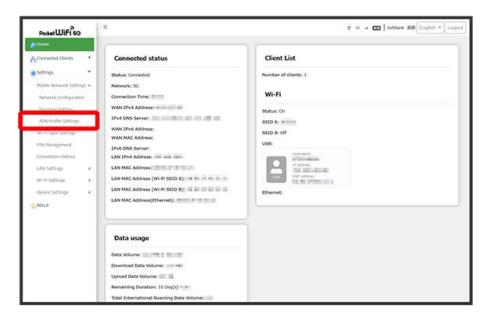
1 [法人] 閉域網契約専用APN(共通) is a common APN dedicated to closed network service "Network/VPN gateway secure mobile access" offered by SoftBank Corp. for corporate customers.

A contract is required to use "Network/VPN gateway secure mobile access."

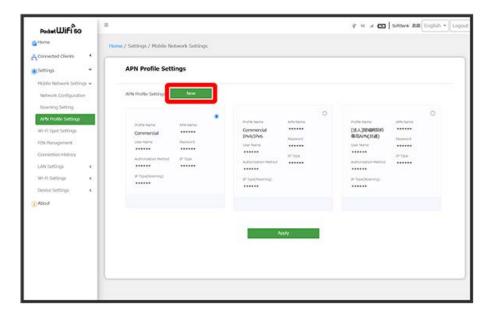
For details on "Network/VPN gateway secure mobile access," see https://www.softbank.jp/biz/cloud/sdngateway/secure_mobile_ac/ (Japanese).

1

"Settings" tab
Mobile Network Settings
APN Profile Settings



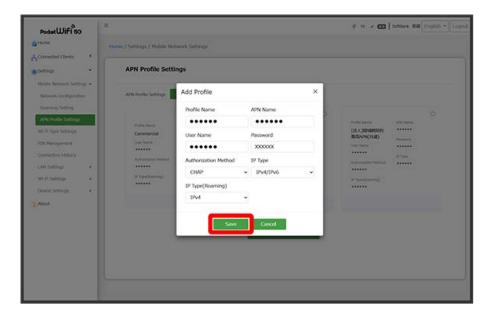
[New]



- Creation screen for a new profile appears.
- 3

Set each item

Save









- The new profile is created and screen returns to APN profile settings screen. The new profile will appear in the "APN" list.
- · To edit the new profile, click Edit .
- $\dot{}$ To delete the new profile, click $\ensuremath{\,^{\text{Delete}}}$.
- $^{\circ}$ By changing APN and clicking $^{\circ}$ Apply , Wi-Fi router is restarted to apply the changed settings.
- \cdot The maximum number of APN profiles that can be set is 10.

Setting Wi-Fi Spot

Wi-Fi router can connect to the Internet by connecting to WLAN router at home or work, or to SoftBank Wi-Fi spot. This Internet connection is called Wi-Fi spot function.

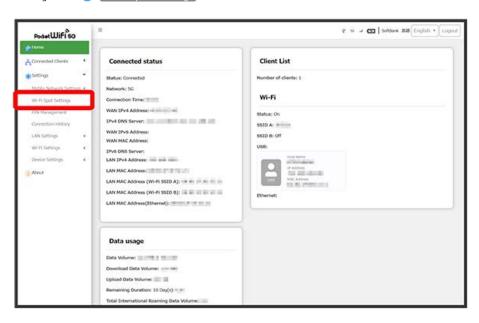
Setting Wi-Fi Spot

Connect to the Internet via Wi-Fi.

- · By default, Use Wi-Fi Spot is set to Disabled .
- · Maximum communication speed may decrease depending on number of WLAN devices connected.
- \cdot When using Wi-Fi spot function, Multi SSID function cannot be used.
- · If Wi-Fi spot is enabled, different Wi-Fi mode and Wi-Fi channel from those set may be used. To keep the set Wi-Fi mode and Wi-Fi channel, refrain from using Wi-Fi spot.

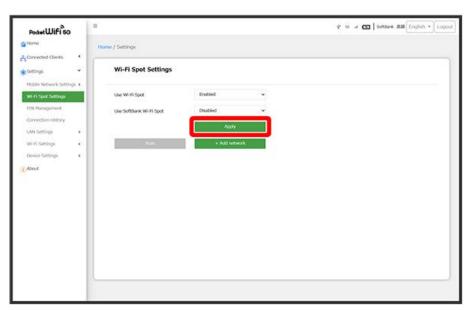
1

"Settings" tab \bigcirc [Wi-Fi Spot Settings]



2

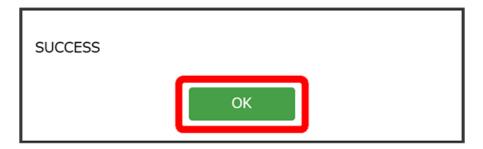
Disabled for "Use Wi-Fi Spot" (Enabled (Apply)







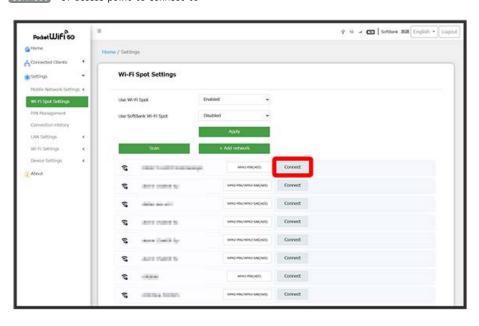




- · Click Scan to search for nearby Wi-Fi spot access points.
- · A list of detected and registered networks is shown. Registered networks are displayed with priority, and newly registered networks are displayed at the top of the list. Unregistered networks are displayed in order of signal strength.
- · Unless Wi-Fi is in sleep mode, scans are performed periodically in the background, but you can click Scan to scan immediately.
- \cdot SSID of Wi-Fi router is not displayed.

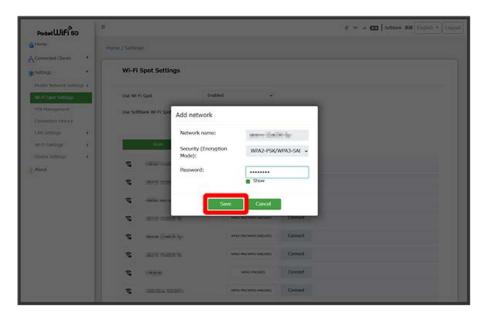


Connect of access point to connect to



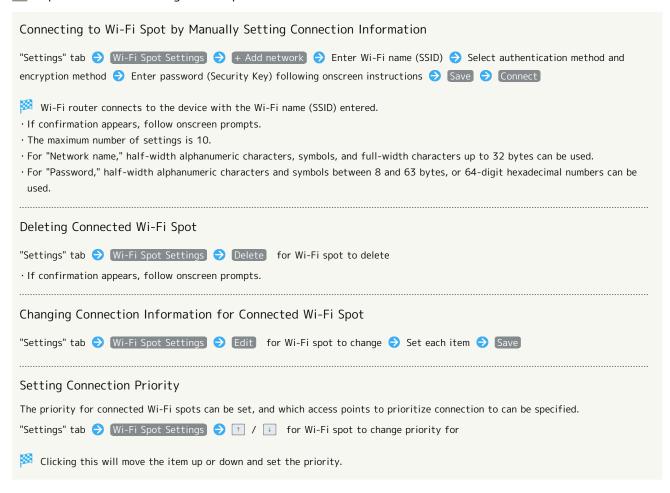
Enter password (Security Key)

Save



- ₩ Wi-Fi router connects to the selected access point and the Wi-Fi signal level icon (🛜) will appear on Status Bar.
- · If confirmation appears, follow onscreen prompts.
- · When Security (Encryption Mode) is set to Open , a confirmation screen for encryption will appear. When the confirmation screen appears, check the contents and select Yes .
- · When connecting by scanning, you cannot change the security (Encryption Mode).

Operation When Using Wi-Fi Spot



Precaution for Changing Wi-Fi Spot Settings

Note that changing Wi-Fi spot settings on Web UI from device connected via WLAN may cause WLAN connection to be lost.

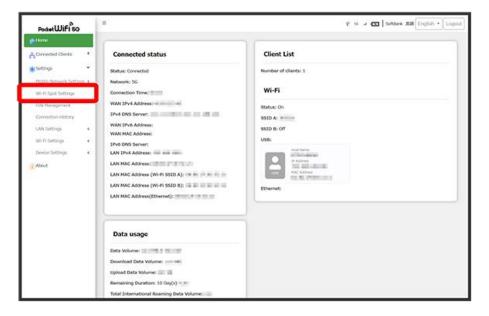
Setting SoftBank Wi-Fi Spot

If SoftBank Wi-Fi Spot is enabled, Wi-Fi router will automatically connect when entering the service area of a SoftBank Wi-Fi Spot.

- By default, Use SoftBank Wi-Fi Spot is set to Disabled .
- · Set "Use Wi-Fi Spot" to Enabled beforehand.

1

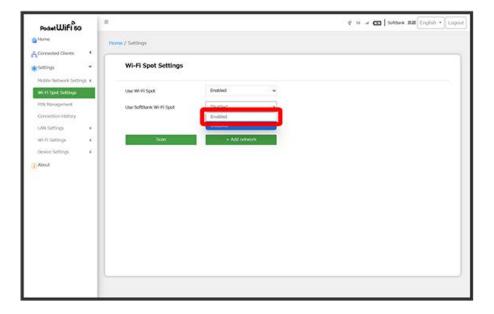
"Settings" tab 🔵 Wi-Fi Spot Settings



2

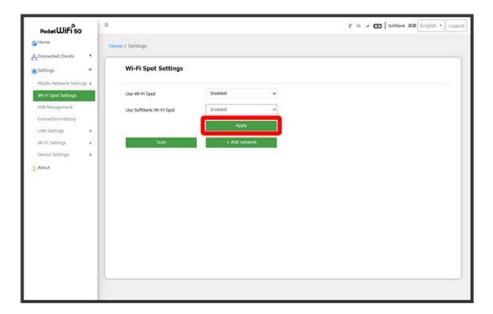
Disabled for "Use SoftBank Wi-Fi Spot"

Enabled





[Apply]



4







- The access point "XXXXsoftbank" is added and the SoftBank Wi-Fi spot settings is complete. If there is a SoftBank Wi-Fi spot nearby, $\label{thm:will automatically connect.} Wi-Fi\ router\ will\ automatically\ connect.$
- \cdot SoftBank Wi-Fi spots cannot be deleted, edited, or have their priority changed.

Managing PIN

Set the PIN for SIM Card.

SIM PIN

PIN (Personal Identification Number) is a code to prevent unauthorized use.

- · Enable PIN verification to use Wi-Fi router by PIN entry on Wi-Fi router or Web UI when Wi-Fi router is powered on.
- · Incorrectly entering PIN three consecutive times activates PIN Lock. PUK Code is required to unlock it. For details about PUK, see Customer Service. Incorrectly entering PUK Code ten consecutive times locks Wi-Fi router completely. If Wi-Fi router is completely locked, Wi-Fi router must be serviced. Contact Customer Service.

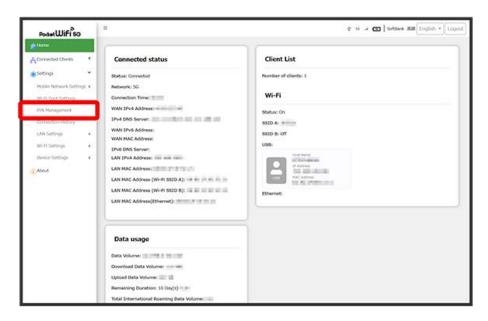
PIN Verification

Set PIN Verification.

- · By default, PIN Lock is set to Disabled .
- \cdot SIM PIN is set to "9999" by default.



"Settings" tab 🔵 [PIN Management]



PIN Management screen appears.

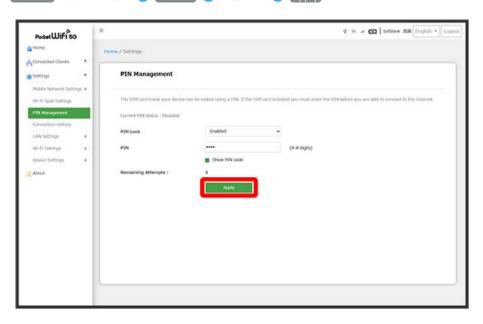
2

Disabled for "PIN Lock"

Enabled

Enter PIN

Apply







PIN entry from Wi-Fi router or Web UI is required when Wi-Fi router is powered on.

· To disable PIN verification, select Enabled on PIN Management screen

Disabled

Enter PIN

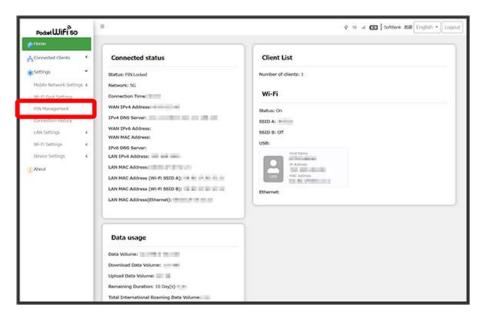
Apply

OK .

PIN Verification (Web UI)

1

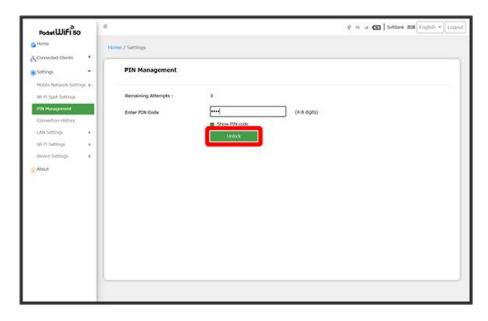
"Settings" tab
PIN Management



2

Enter four- to eight-digit PIN

Unlock



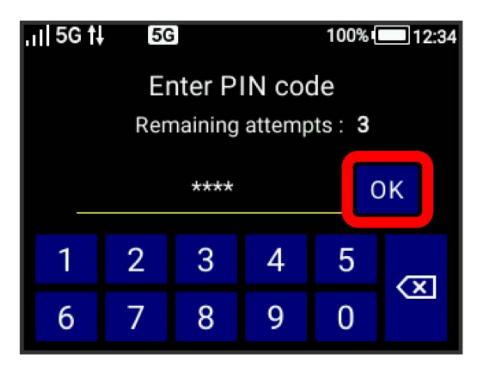
When correct PIN is entered, PIN Lock is canceled.

PIN Verification (Wi-Fi Router)

When Wi-Fi router is powered on, PIN entry screen appears.

1

Enter four- to eight-digit PIN 🔵 OK



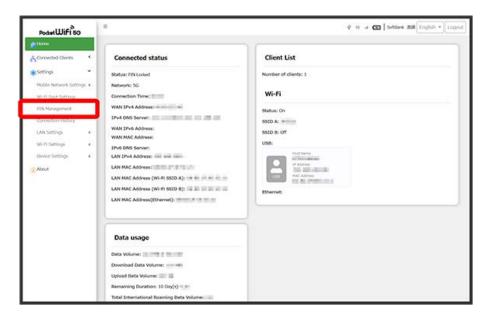
When correct PIN is entered, Home Screen appears.

Changing PIN

Change the PIN to any four- to eight-digit number if required. Change PIN when PIN verification is enabled.

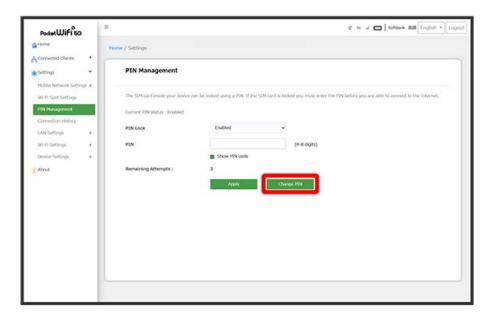
1

"Settings" tab 🔵 PIN Management



2

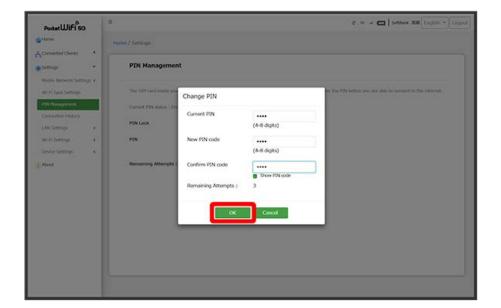
Change PIN



PIN change screen appears.

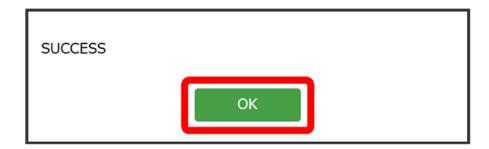


Set each item \Rightarrow OK



4





PIN is modified.

Checking Connection History

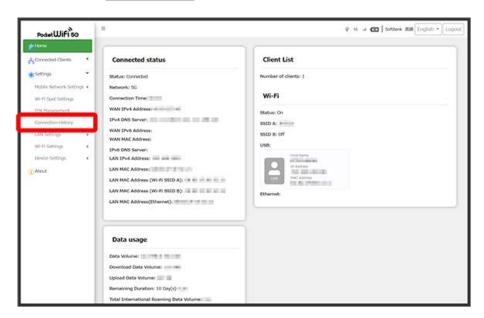
Check connection history. In connection history, profile name, start /end time, IP address, and uploaded/downloaded data volume are shown.

Checking Connection History

By default, Connection History Settings is set to **Enabled** .

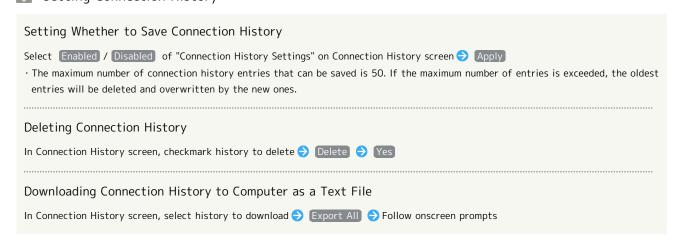


"Settings" tab 🔵 Connection History



- Connection History screen appears, and connection history list is shown.
- · The connection history of LAN side is not displayed (Wi-Fi connection, USB connection, wired LAN connection).

Setting Connection History



Setting LAN

Setting DHCP

Assign IP addresses to devices inside LAN.

Only IPv4 is supported.

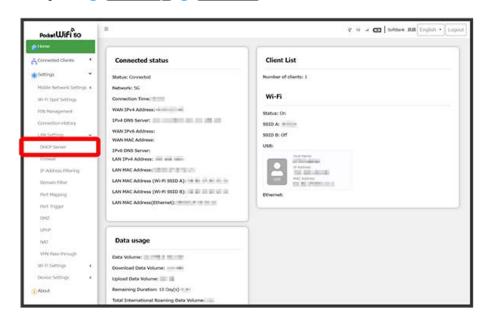
Setting items are as follows:

| Item | Description |
|-------------------------------|--|
| item | Description |
| Host IP Address | Set Wi-Fi router host IP address. Set to 192.168.128.1 by default. Selectable range is |
| | 192.168.0.0 to 192.168.255.255 .1 |
| Heat Cheet Med 2 | Set host subnet mask. Set to 255.255.255.0 by default. Selectable range is 255.255.0.0 |
| Host Subnet Mask ² | to [255.255.255.254]. |
| DHCP Server | Set whether to use DHCP function. Set to Enable by default. |
| | Set lowest and highest IP addresses that are allotted to devices within LAN. Set to |
| DHCP Range ³ | 192.168.128.100 to 192.168.128.200 by default. Selectable range for "Start IP Address" |
| | and "End IP Address" is 192.168.0.0 to 192.168.255.255 . 1 |
| Loaco Timo(min) | Set IP address lease time. Set to 1440 (minutes) by default. Selectable range is 2 to |
| Lease Time(min) | 43200 (minutes). |
| DNC Cattings | Set whether to automatically update DNS server information or specify it manually. Set to |
| DNS Settings | Auto by default. |
| Primary DNS ⁴ | Set primary DNS. Selectable range is 0.0.0.0 to 255.255.255.255. |
| Secondary DNS ⁴ | Set secondary DNS. Selectable range is 0.0.0.0 to 255.255.255.255. |
| | Add setting to assign fixed IP addresses to devices (MAC addresses) inside specific LAN. The |
| | maximum number of settings is 30. |
| Reserved IP Address | Selectable range is as follows: |
| | • IP Address: 192.168.0.0 to 192.168.255.255 1,5 |
| | \cdot MAC Address: 6 pairs of 2-digit hexadecimal numbers |

- $1\quad \text{Network address (192.168.X.0) and broadcast address (192.168.X.255) cannot be set.}$
- 2 When changing, set it within DHCP range.
- 3 "Start IP Address" and "End IP Address" can be set to the same value.
- 4 Can be set when "DNS Settings" is Manual .
- 5 Use IP addresses within DHCP range.

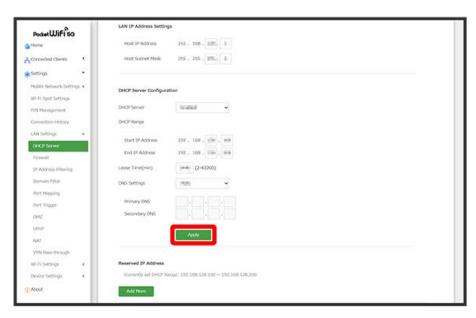
1

"Settings" tab → LAN Settings → DHCP Server



Set each item

Apply



- DHCP is set. When setting is complete, you will be logged out of Web UI and return to Home Screen.
- · If confirmation appears, follow onscreen prompts.

Firewall Switch

Set Firewall function.

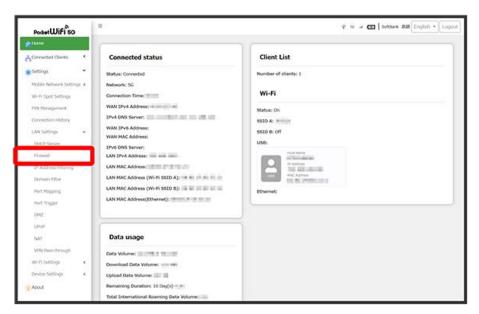
· When using the port mapping, port trigger, DMZ and UPnP functions, IP Address Filtering of Firewall function cannot be used.

Setting items are as follows:



1

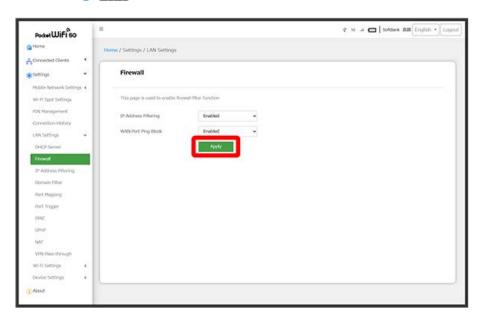
"Settings" tab 🗦 LAN Settings 🗦 Firewall



2

Set each item

Apply









IP address filtering and WAN port PING block are set.

Setting IP Address and Port Filtering

For communications with the Internet, apply rules to determine whether to allow transmissions from LAN side (sender) and WAN side (destination) addresses to pass through Firewall.

 $^{\circ}$ Set "IP Address Filtering" of "Firewall" to ${\ \ }$ beforehand.

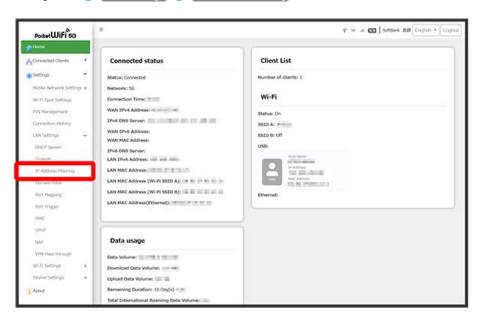
Setting items are as follows:

| Item | Description |
|----------------|--|
| Filter Mode | Select whether to set addresses allowed to pass through Firewall, or addresses not allowed to pass. Blacklist is selected by default. |
| IP Туре | Set IP type to set filtering. Set to IPv4 by default. |
| Protocol | Select protocol to apply rules. Set to TCP/UDP by default. |
| LAN IP Address | Set LAN side (sender) IP address to apply rules. Specify IP address from IP addresses used on LAN. Selectable range is as follows: When IP Type is IPv4: 0.0.0.0 to 255.255.255 When IP Type is IPv6: 8 pairs of 4-digit hexadecimal numbers ² |
| LAN Port | Set LAN side (sender) port number to apply rules. Selectable range is 1 to 65535.3 |
| WAN IP Address | Set WAN side (destination) IP address to apply rules. Selectable range is as follows:¹ · When IP Type is IPv4: 0.0.0.0 to 255.255.255 · When IP Type is IPv6: 8 pairs of 4-digit hexadecimal numbers² |
| WAN Port | Set WAN side (destination) port number to apply rules. Selectable range is 1 to 65535.3 |
| Direction | Select direction in which traffic from LAN side (sender) and WAN side (destination) addresses is allowed to pass through Firewall. Set to OUT by default. |

- 1 Enter CIDR value at the end to specify range.
- 2 Use ":" to separate 8 pairs of numbers.
- 3 Enter "-" between numbers to specify range. Enter "*" to specify no port number.

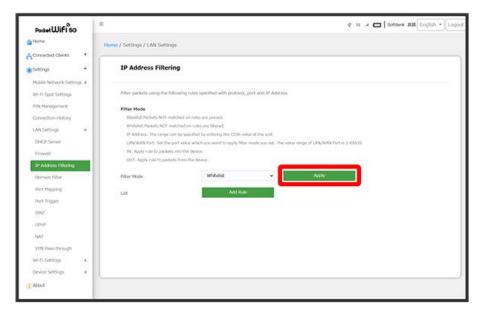


"Settings" tab 🗦 LAN Settings 🗦 [IP Address Filtering]





Select Blacklist / Whitelist for "Filter Mode" 🗦 Apply



- · If Blacklist is selected, packets for the added rule will be denied.
- · If Whitelist is selected, only packets for the added rule will be allowed.

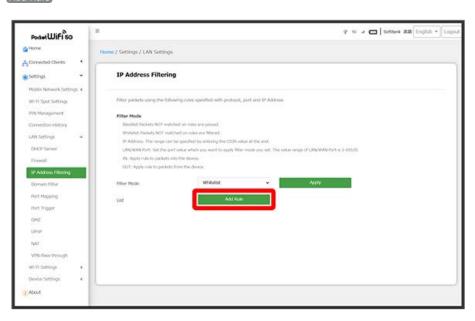






4

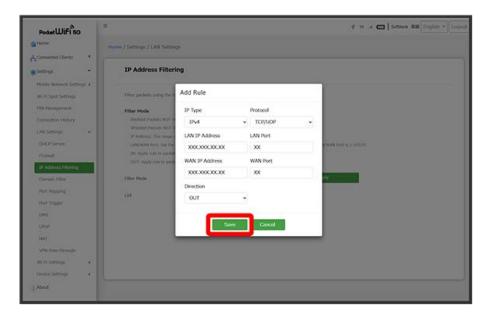
Add Rule



 \cdot The maximum number of settings is 50.

Set each item

Save

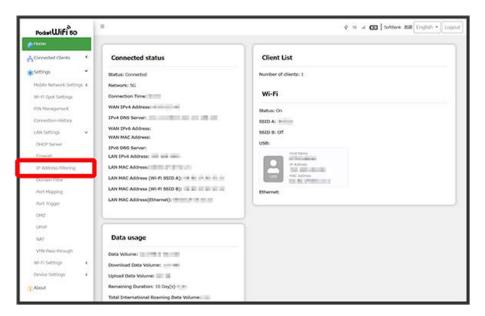


- Set rules are saved and filtering is set.
- · In "Direction," select IN to apply the rule to traffic from specified WAN IP address to specified LAN IP address. Select OUT to apply the rule to traffic from specified LAN IP address to specified WAN IP address.

Canceling IP Address and Port Filtering

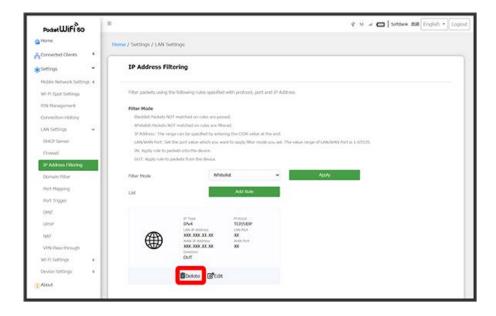
1

"Settings" tab (LAN Settings) (IP Address Filtering)

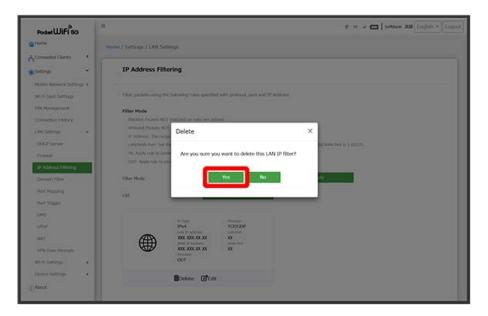


2

Delete for the rule to delete







Filtering is canceled.

Setting Domain Filter

Set filter to restrict devices within LAN from accessing specific websites.

By default, Domain Filter is set to Disabled .

Setting items are as follows:

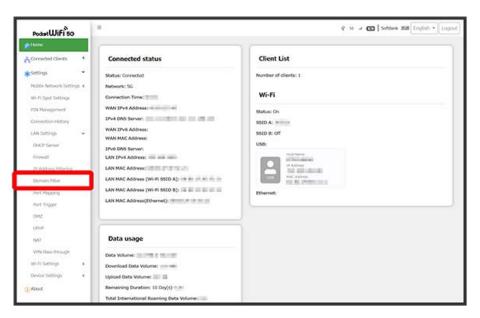
| Item | Description |
|-------------|--|
| Filter Mode | Select whether to set domains to allow access or domains to deny access. Blacklist is selected by default. |
| Domain Name | Set domain names to apply filter settings. Half-width alphanumeric characters, symbols (), and full-width characters up to 63 bytes can be used. |
| Status | Set whether to enable filtering for set domains. Set to On by default (when setting domain names). |



"Settings" tab

LAN Settings

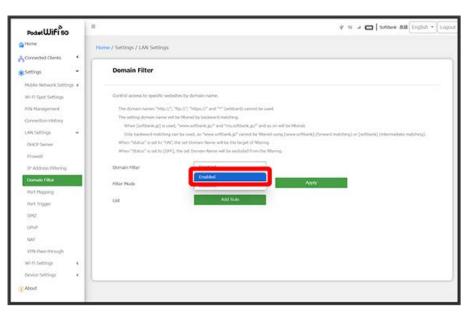
Domain Filter



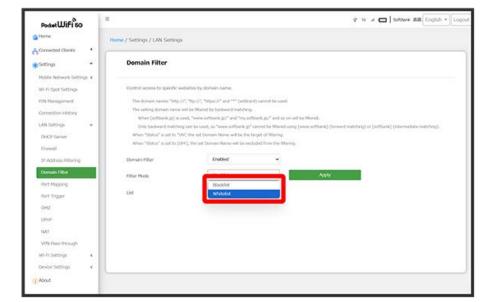
2

Disabled for "Domain Filter"

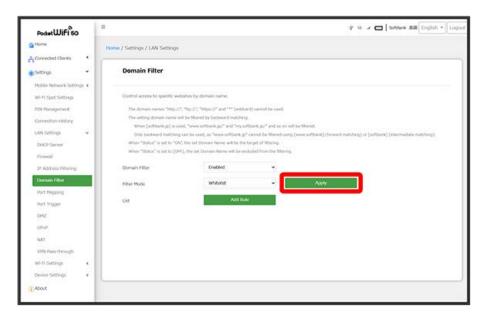
Enabled







[Apply]

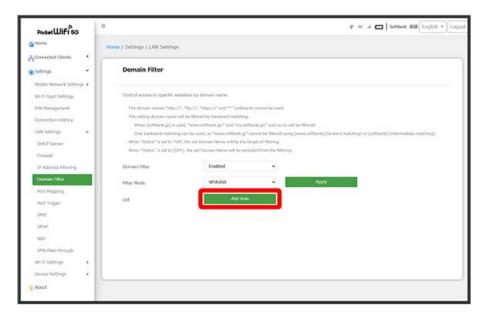








Add Rule

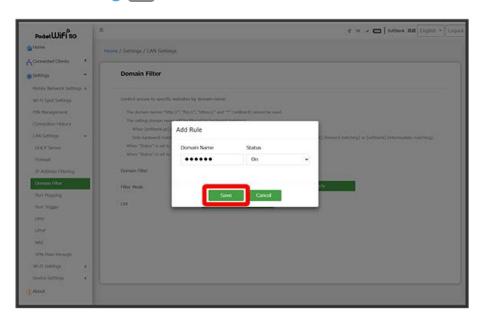


· The maximum number of settings is 30.



Set/enter each item

Save

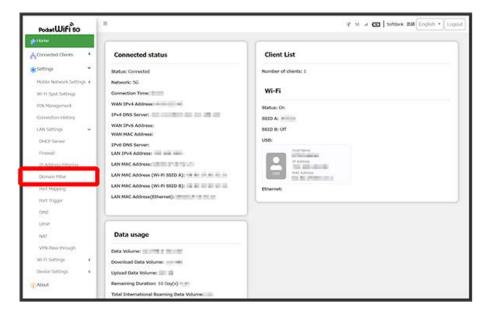


- Domain name filter setting is complete.
- · If Blacklist is selected as the filter mode, websites you do not want to be accessed can be added to the filter list. If Whitelist is selected, websites you want to allow access to can be added to the filter list.
- \cdot "http://" "ftp://" "https://" "*" (wildcard) cannot be used for domain name.
- Set domain names are filtered by backward match.
- Use softbank.jp to filter "www.softbank.jp/" and "my.softbank.jp/."
- Only backward match is available, so using www.softbank (forward match) or softbank (middle match) does not filter "www.softbank.jp."
- To edit Domain Name or Status, click Edit for the domain name. Set Status to On to filter the specified domain names. Set Status to Off to not filter the specified domain names.

Canceling Domain Filter

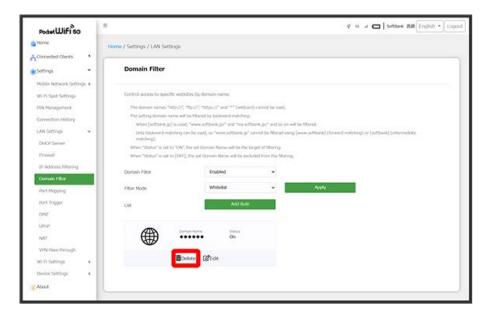
1

"Settings" tab () [LAN Settings () Domain Filter



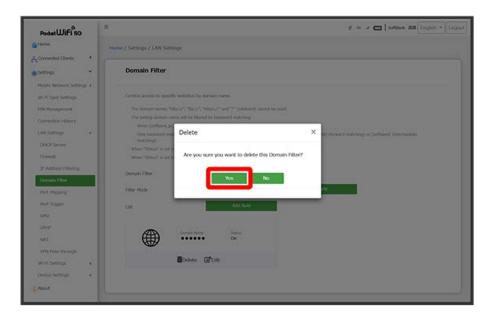
2

Delete in filter list









Item is deleted.

Setting Port Mapping

Set to allow access to a specified device within LAN via the Internet. Set this when making a server or FTP publicly available, or when using messenger software, etc.

Only IPv4 is supported.

By default, Use Port Mapping is set to Disabled .

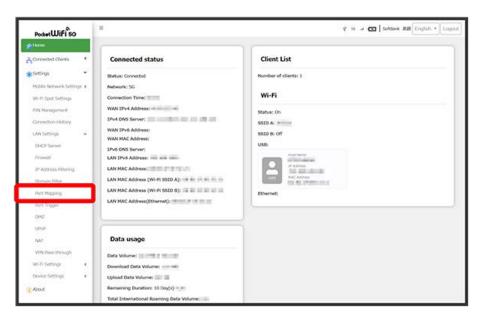
Setting items are as follows:

| Item | Description |
|-----------------------------|---|
| Rule Name | Set name of virtual server. Half-width alphanumeric characters, symbols, and full-width characters up to 32 bytes can be used. |
| Source IP Address(Optional) | Set any name to port mapping rule. Selectable range is 0.0.0.0 to 255.255.255.255.1 |
| WAN Port | Set WAN side (source) port number to apply rules. Selectable range is 1 to 65535.2 |
| LAN IP Address | Set IP address for device inside LAN to make available as a server. Specify IP address from IP addresses used on LAN. Selectable range is 192.168.0.0 to 192.168.255.255. |
| LAN Port | Set destination port number for device inside LAN to make available as a server when transmitting packets. If conversion of the port number is not required, set it to the same value as WAN Port . Selectable range is 1 to 65535 . ² |
| Protocol | Select protocol to apply rules. Set to TCP/UDP by default. |

- 1 Enter "/" or "-" between numbers to specify range (e.g. 24/39, 100-200).
- 2 Enter "-" between numbers to specify range (e.g. 100-200). Enter " \star " to specify no port number (e.g. \star).



"Settings" tab → LAN Settings → Port Mapping

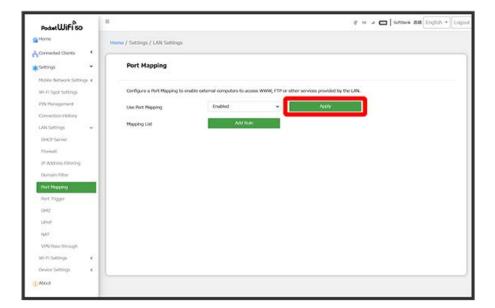


2

Disabled for "Port Mapping"

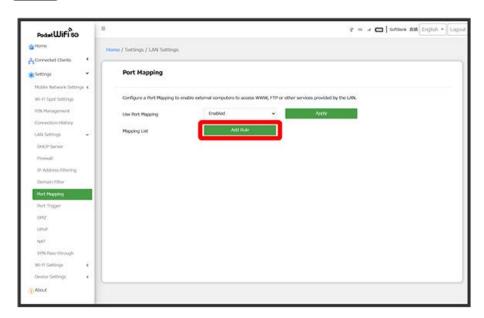
Enabled

Apply



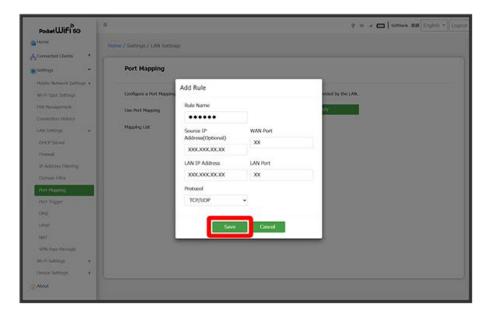
3

[Add Rule]



· The maximum number of settings is 20.

Set each item 🗦 Save

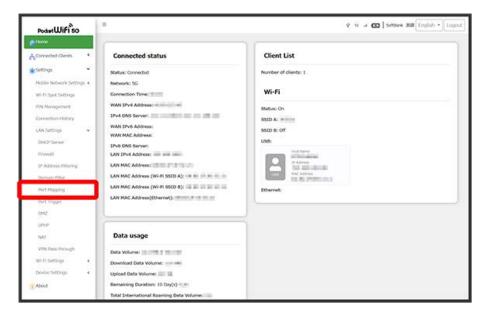


- Port Mapping is set.
- $\dot{}$ To edit setting, click $\begin{tabular}{l} \begin{tabular}{l} \$

Canceling Port Mapping

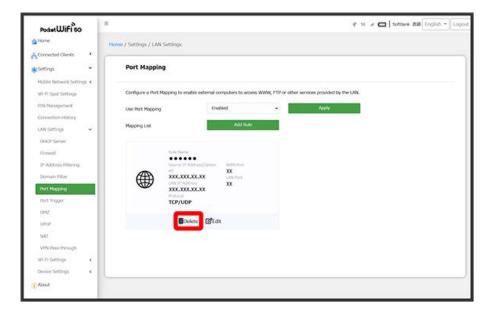
1

"Settings" tab () [LAN Settings () [Port Mapping)

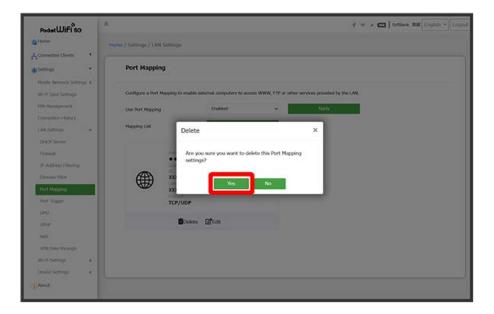


2

Delete for Port Mapping setting to delete







Port Mapping setting is deleted.

Setting Port Trigger

All WAN ports on Wi-Fi router are closed.

This setting makes it possible to open set WAN port temporarily when a device within LAN accesses trigger port. The opened port will close if there is no communication for 10 minutes.

By default, Use Port Trigger is set to Disabled .

Setting items are as follows:

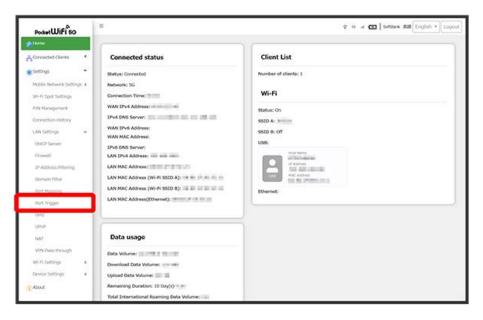
 \cdot For port number and protocol to be set, see your application user guide etc.

| Item | Description |
|------------------|---|
| Rule Name | Set any name to port trigger rule. Half-width alphanumeric characters, symbols, and full-width characters up to 32 bytes can be used. |
| Trigger Port | Set port number for triggering port opening. This is a LAN side setting used when communicating with WAN side. Selectable range is 1 to 65535. |
| Trigger Protocol | Select protocol for triggering port opening. This is the protocol used by the trigger port. Set to TCP/UDP by default. |
| Open Port | Set port number to open. This is a WAN side setting used to temporarily allow communication from WAN side to pass through when communication occurs at trigger port. Selectable range is 1 to 65535.1 |
| Open Protocol | Select protocol to open. This is the protocol used by the open port. Set to TCP/UDP by default. |

1 Enter "-" between numbers to specify range.

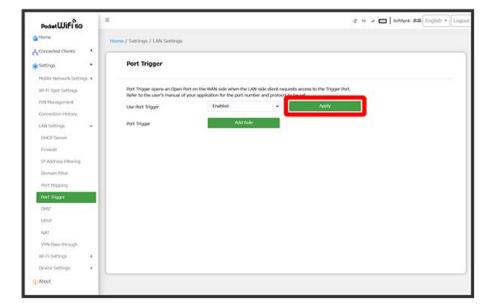


"Settings" tab → LAN Settings → Port Trigger









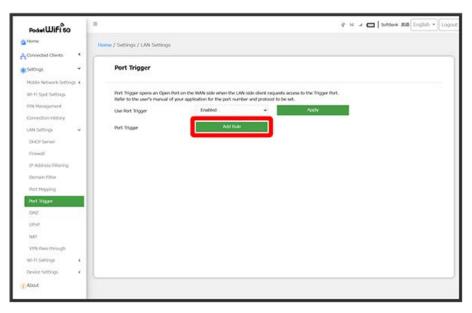
3





4

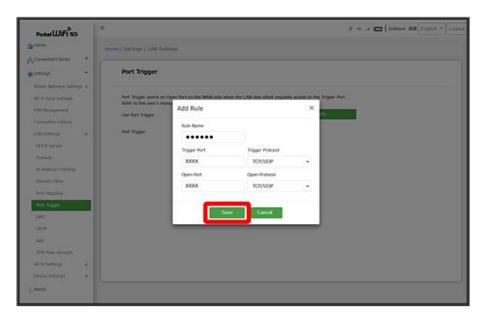
Add Rule



 $[\]cdot$ The maximum number of settings is 20.



Set each item 🗦 Save

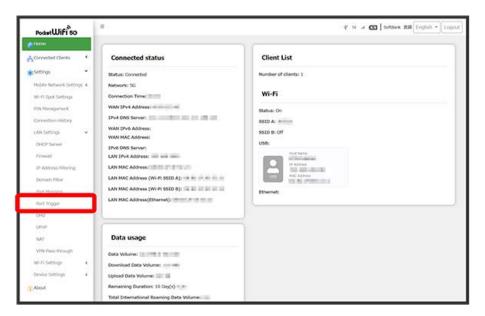


Port trigger setting is complete.

Canceling Port Trigger

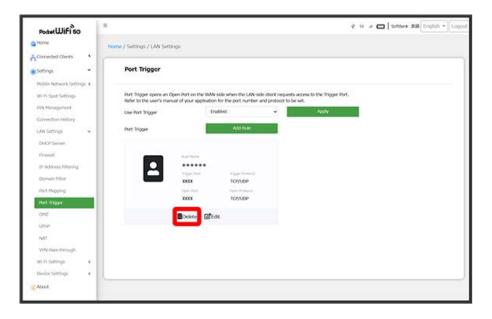
1

"Settings" tab () [LAN Settings () Port Trigger



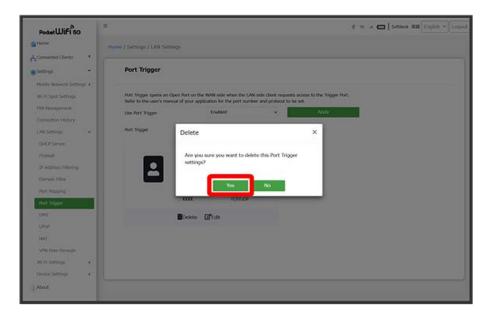
2

Delete for the rule to delete









Port Trigger setting is deleted.

Setting DMZ

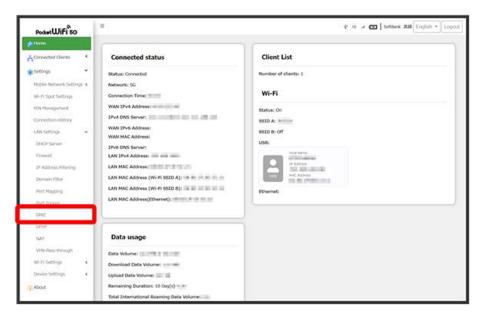
Set a specific device within LAN as a DMZ host isolated from other devices. You will be able to make your Web server publicly available without having to set a port number.

Only IPv4 is supported.

By default, DMZ is set to Disabled .

1

"Settings" tab 🔵 LAN Settings 🔵 DMZ



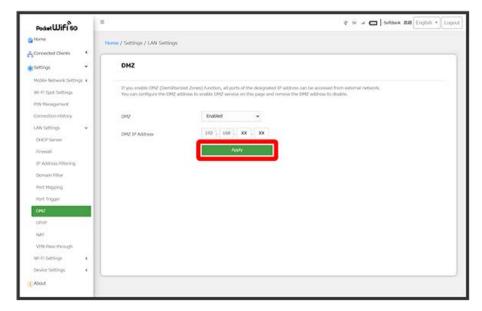
2

Disabled for "DMZ"

Enabled

Set DMZ IP address

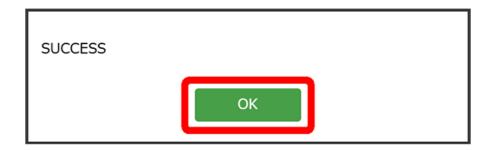
Apply



• Selectable DMZ IP address range is 192.168.0.1 to 192.168.255.254).







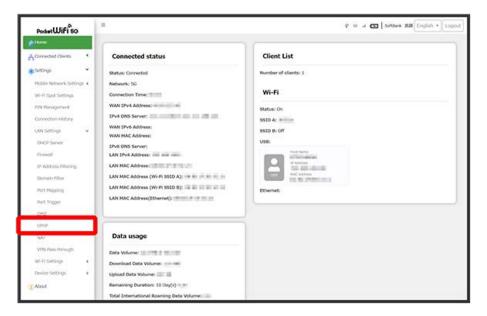
MZ is set.

Setting UPnP

Set the UPnP (Universal Plug and Play) function, which enables easy connection between devices within LAN.

' By default, UPnP-IGD is set to Disabled .

1

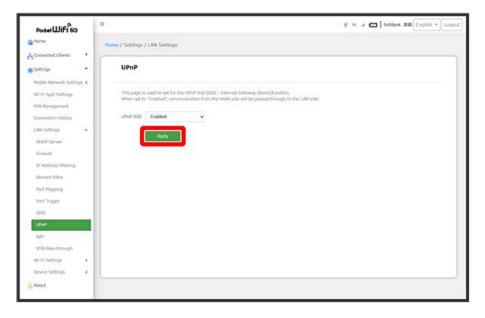


2

Disabled for "UPnP-IGD"

Enabled

Apply









UPnP is set.

Setting NAT

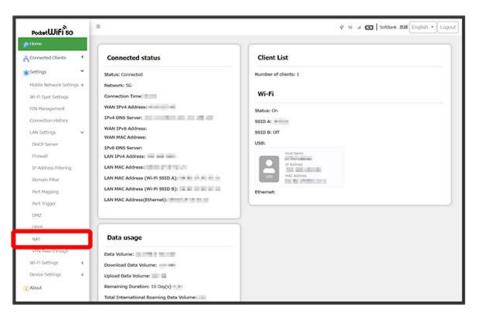
Set the NAT function to convert the source or destination IP address into a different IP address according to predefined rules. Setting items are as follows:

| Item | Description |
|----------------------------------|---|
| NAT Type ¹ | Select NAT type. Set to Symmetric by default. |
| TCP NAT Timer (Sec) ² | Set effective retention time (seconds) of dynamic conversion table for IP addresses/port numbers when using NAT function for TCP. Set to 300 (seconds) by default. Selectable range is 30 to 86400. |
| UDP NAT Timer (Sec) ² | Set effective retention time (seconds) of dynamic conversion table for IP addresses/port numbers when using NAT function for UDP. Set to 300 (seconds) by default. Selectable range is 30 to 86400. |

- 1 Address-restricted Cone and port-restricted Cone are not supported. Source port number is not randomized.
- 2 NAT timer setting applies to all Wi-Fi, wired LAN, and USB connections.



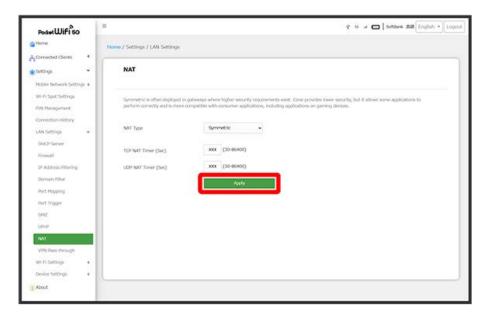
"Settings" tab 🔵 LAN Settings 🗦 NAT



2

Set each item

Apply



3





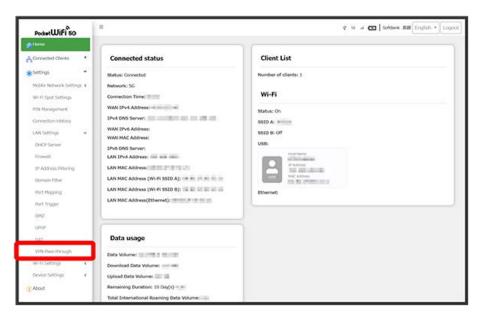
NAT function is set.

Setting VPN Pass-through

Set the Virtual Private Network (VPN) function. The pass-through function allows VPN communication (PPTP/L2TP/IPSec) to pass through.

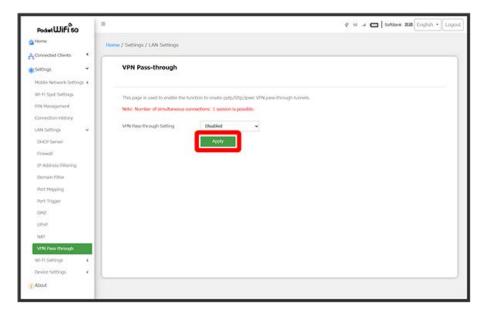
- \cdot Multiple sessions cannot be connected simultaneously.
- By default, VPN Pass-through Setting is set to Enabled .

1



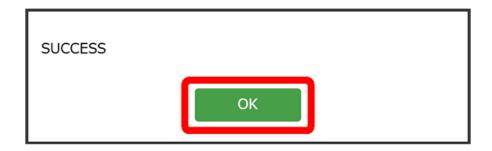
2

Select Enabled / Disabled for "VPN Pass-through Setting" 🗦 Apply









VPN pass-through function is set.

Setting Wi-Fi

Connect to PCs, smartphones, etc. via WLAN. This WLAN connection is described as "LAN Wi-Fi."

Note on Changing LAN Wi-Fi Settings

Changing LAN Wi-Fi setting on Web UI from device connected via WLAN may disconnect WLAN connection.

Wi-Fi Basic Settings (SSID A)

Make basic WLAN settings for SSID A. Setting items are as follows:

| Item | Description |
|---|---|
| Use Wi-Fi | Set Wi-Fi function of Wi-Fi router to Enabled / Disabled . ¹ Set to Enabled by default. Only USB connection is available when set to Disabled . |
| Multi SSID | Set Multi SSID function to Enabled / Disabled . ² Set to Disabled by default. |
| Multi-SSID AP Isolation ³ | Set whether to use communication between SSID A and SSID B. Set to Enabled by default. |
| Max Number of Connected Clients | Set the total number of devices connectable via SSID A and SSID B when using the Wi-Fi function. Set to 16 by default. Selectable range is 1 to 16. |
| Show SSID and Security Key on Touch Screen | Set whether to show SSID, password and security (Encryption Mode) of Wi-Fi router when you select Wi-Fi Guide Manual Connection / QR Code Connection on Wi-Fi router Home Screen. Set to On by default. |
| Interface ³ | Select the interface (SSID A, SSID B). The items below "Wi-Fi Mode" are set for the selected interface. |
| Wi-Fi Mode ⁴ | Select frequency band to use from 2.4 GHz/5 GHz. ^{5, 6} Set to 2.4 GHz by default. |
| SSID | Set SSID A name that is shown on WLAN devices to be connected. Default SSID is shown as a 6-digit alphanumeric string with a leading "A503SHa" Half-width alphanumeric characters, symbols, and full-width characters up to 32 bytes can be used. |
| Security (Encryption Mode) | Set security. • Enhanced Open (OWE) provides greater encryption for communications between Wi-Fi router and Wi-Fi compatible devices than Open . • To use Enhanced Open (OWE) , the connected Wi-Fi compatible device must support it. See the Wi-Fi compatible device user guide for whether it supports Enhanced Open (OWE) . Set to WPA2-PSK/WPA3-SAE (AES) by default. |
| Password | Set password to use. Can be set when Security (Encryption Mode) is set to WPA2-PSK (AES) , WPA/WPA2-PSK (AES+TKIP) , WPA3-SAE (AES) , or WPA2-PSK/WPA3-SAE (AES) . Set to 10 random ASCII characters by default. Characters that can be used are as follows: · When Security (Encryption Mode) is WPA2-PSK (AES) / WPA/WPA2-PSK (AES+TKIP) : half-width alphanumeric characters and symbols between 8 and 63 bytes, or 64-digit hexadecimal numbers · When Security (Encryption Mode) is WPA3-SAE (AES) / WPA2-PSK/WPA3-SAE (AES) : half-width alphanumeric characters and symbols between 8 and 63 bytes |
| Show | If checked, the password being entering is displayed. This is unchecked by default. |
| SSID Stealth | Set whether to stop the SSID of Wi-Fi router from being displayed on Wi-Fi compatible devices. Set to Disable by default. |
| Privacy Separator | Set whether to prohibit access between simultaneously connected Wi-Fi compatible devices. Set to Enabled by default. |

Wi-Fi PMF

Set Wi-Fi PMF to Enabled / Disabled .

· Can be set when Security (Encryption Mode) is WPA2-PSK (AES) or WPA/WPA2-PSK (AES)

+TKIP) .

· Is always set to Enabled when Security (Encryption Mode) is Enhanced Open (OWE) ,

WPA3-SAE (AES) , or WPA2-PSK/WPA3-SAE (AES) .

Set to Enabled by default.

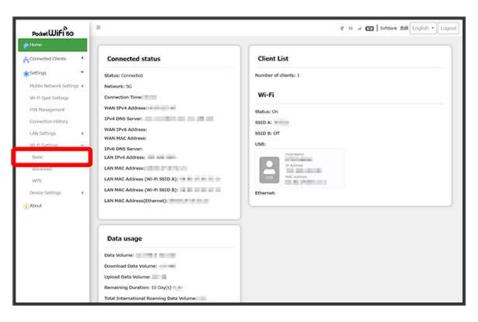
- 1 If you set to Disabled and then Enabled again while "Wi-Fi Mode" is set to 5 GHz, the Wi-Fi function will be enabled in the 5 GHz band, and a screen checking for radio interference with the weather radar, etc. may be displayed.
- 2 When using Wi-Fi spot, Multi SSID function cannot be used.
- 3 Available when "Multi SSID" is set to Enabled .
- 4 Using the 5.2 GHz band (W52) and 5.3 GHz band (W53) outdoors is a violation of the law, so select Indoor when using indoors, and Outdoor when using outdoors.
- 5 SGHz cannot be selected during international roaming. If SGHz is not available, the item will be grayed out.
- 6 If 5 GHz is selected while Wi-Fi router is charging or connected to wired LAN, the Indoor / Outdoor selection screen appears.

 Select appropriately according to where Wi-Fi router is used. If no selection has been made after 30 seconds, Outdoor will be set automatically.

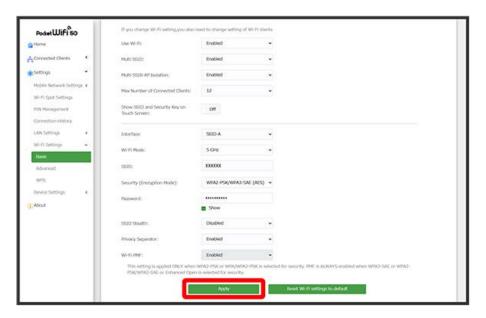
If 5 GHz is set while Wi-Fi router is neither charging nor connected to wired LAN, Outdoor will be set automatically and the selection screen will not appear.

1

"Settings" tab → Wi-Fi Settings → Basic



Set each item 🔵 Apply



· If confirmation appears, follow onscreen prompts.







- Wi-Fi is disconnected and Wi-Fi setting for SSID A is performed.
- Reset Wi-Fi settings to default > Yes to restore Wi-Fi settings to factory default.

Wi-Fi Mode

Read the following carefully regarding Wi-Fi mode.

- · If SSID A and SSID B use different frequency bands, DBS is displayed in Wi-Fi router's Status Indicator display area.
- · When setting the frequency band for SSID B, set "Multi SSID" to Enabled beforehand.
- · When using 5 GHz frequency band indoors, make settings while Wi-Fi router is charging or connected to wired LAN. 5.2 GHz/5.3 GHz WLAN (W52/W53) can be used only while Wi-Fi router is charging or connected to wired LAN.
- · If you have enabled W53 and W56 in "Wi-Fi Band Selection (indoor)", when you set Wi-Fi mode to 5 GHz, a screen checking for radio interference with the weather radar, etc. appears. Wait for a while until checking is complete.
- · If a confirmation screen appears notifying that Wi-Fi will be disconnected, check the contents and select <code>OK</code> .
- \cdot When using Wi-Fi spot, Multi SSID function cannot be used.
- · If 5 GHz frequency band is not available, "Wi-Fi Mode" cannot be set to 5 GHz.

Enabling Multi SSID Function (SSID B)

Make basic WLAN settings for SSID B. Setting items are as follows:

| Item | Description |
|---|--|
| Use Wi-Fi¹ | Set Wi-Fi function of Wi-Fi router to Enabled / Disabled . ² Set to Enabled by default. |
| Multi SSID ¹ | Set Multi SSID function to Enabled / Disabled . ³ Set to Disabled by default. |
| Multi-SSID AP Isolation ⁴ | Set whether to use communication between SSID A and SSID B. Set to Enabled by default. |
| Max Number of Connected Clients ¹ | Set the total number of devices connectable via SSID A and SSID B when using the Wi-Fi function. Set to 16 by default. Selectable range is 1 to 16. |
| Show SSID and Security Key on Touch Screen. ¹ | Set whether to show SSID, password and security (Encryption Mode) of Wi-Fi router when you select Wi-Fi Guide Manual Connection / QR Code Connection on Wi-Fi router Home Screen. Set to On by default. |
| Interface ⁴ | Select the interface (SSID A, SSID B). The items below "Wi-Fi Mode" are set for the selected interface. |
| Wi-Fi Mode | Select frequency band to use from 2.4 GHz/5 GHz. ^{5, 6} Set to 2.4 GHz by default. |
| SSID | Set SSID B name that is shown on WLAN devices to be connected. Default SSID is shown as a 6-digit alphanumeric string with a leading "A503SHb" Half-width alphanumeric characters, symbols, and full-width characters up to 32 bytes can be used. |
| Security (Encryption Mode) | Set security. • Enhanced Open (OWE) provides greater encryption for communications between Wi-Fi router and Wi-Fi compatible devices than Open . • To use Enhanced Open (OWE) , the connected Wi-Fi compatible device must support it. See the Wi-Fi compatible device user guide for whether it supports Enhanced Open (OWE) . Set to WPA2-PSK/WPA3-SAE (AES) by default. |
| Password | Set password to use. Can be set when Security (Encryption Mode) is set to WPA2-PSK (AES), WPA/WPA2-PSK (AES+TKIP), WPA3-SAE (AES), or WPA2-PSK/WPA3-SAE (AES) . Set to 10 random ASCII characters by default. Characters that can be used are as follows: · When Security (Encryption Mode) is WPA2-PSK(AES) / WPA/WPA2-PSK (AES+TKIP): half-width alphanumeric characters and symbols between 8 and 63 bytes, or 64-digit hexadecimal numbers · When Security (Encryption Mode) is WPA3-SAE(AES) / WPA2-PSK/WPA3-SAE(AES): half-width alphanumeric characters and symbols between 8 and 63 bytes |
| Show | If checked, the password being entering is displayed. This is unchecked by default. |
| SSID Stealth | Set whether to stop the SSID of Wi-Fi router from being displayed on Wi-Fi compatible devices. Set to Disable by default. |
| Privacy Separator | Set whether to prohibit access between simultaneously connected Wi-Fi compatible devices. Set to Enabled by default. |
| Wi-Fi PMF | Set Wi-Fi PMF to Enabled / Disabled . · Can be set when Security (Encryption Mode) is WPA2-PSK (AES) or WPA/WPA2-PSK (AES +TKIP) . · Is always set to Enabled when Security (Encryption Mode) is Enhanced Open (OWE) , WPA3-SAE (AES) , or WPA2-PSK/WPA3-SAE (AES) . Set to Enabled by default. |
| Access to Web setting tool for SSID B users ^{4, 7} | Set whether to permit access to Web UI from WLAN devices connected to SSID B. Set to Deny by default. |

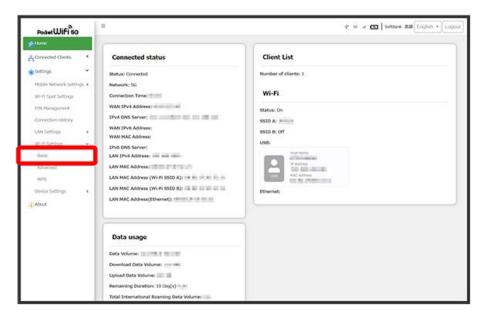
¹ Setting common to SSID A/SSID B.

- 2 If you set to Disabled and then Enabled again while "Wi-Fi Mode" is set to 5 GHz, the Wi-Fi function will be enabled in the 5 GHz band, and a screen checking for radio interference with the weather radar, etc. may be displayed.
- 3 When using Wi-Fi spot, Multi SSID function cannot be used.
- 4 Available when "Multi SSID" is set to Enabled .
- 5 SGHz cannot be selected during international roaming. If SGHz is not available, the item will be grayed out.
- 6 If 5 GHz is selected while Wi-Fi router is charging or connected to wired LAN, the Indoor / Outdoor selection screen appears.

 Select appropriately according to where Wi-Fi router is used. If no selection has been made after 30 seconds, Outdoor will be set automatically.
 - If 5 GHz is set while Wi-Fi router is neither charging nor connected to wired LAN, Outdoor will be set automatically and the selection screen will not appear.
- 7 Can be set when "Interface" is set to SSID B and "Multi-SSID AP Isolation" is set to Disabled . Is always set to Deny when "Multi-SSID AP Isolation" is Enabled .

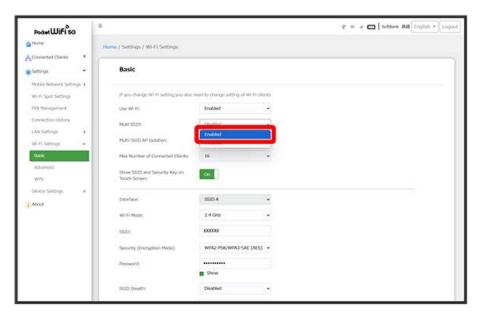
1

"Settings" tab () Wi-Fi Settings () Basic



2

Disabled for "Multi SSID" 🗦 Enabled



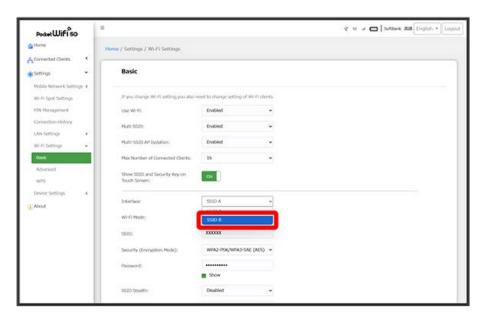






4

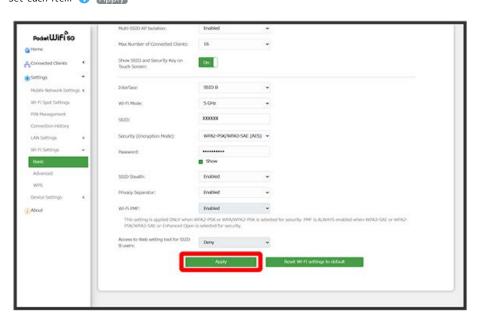
Select SSID B in "Interface"



5

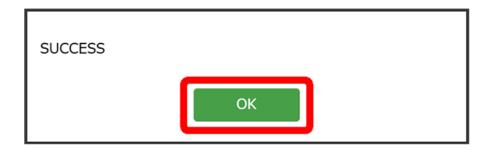
Set each item

Apply



 \cdot If confirmation appears, follow onscreen prompts.





- Wi-Fi is disconnected and Wi-Fi setting for SSID B is performed.
- Reset Wi-Fi settings to default \bigcirc Yes to restore Wi-Fi settings to factory default.

Wi-Fi Advanced Settings

Setting items are as follows:

| Item | Description |
|-------------------------------|--|
| Wi-Fi Channel | Select the channel to use. ¹ By default, Wi-Fi Channel of "Wi-Fi 2.4 GHz" is set to Automatic , and Wi-Fi Channel of "Wi-Fi 5 GHz" is set to Automatic (not include 144 ch) . |
| Wi-Fi Bandwidth | Set Wi-Fi channel frequency band width. By default, Wi-Fi Bandwidth of "Wi-Fi 2.4 GHz" is set to Auto(20/40 MHz), and Wi-Fi Bandwidth of "Wi-Fi 5 GHz" is set to Auto(20/40/80 MHz). |
| Wi-Fi Band Selection (indoor) | Select 5 GHz frequency band to use. ^{2, 3} By default, W52/W53/W56 is checked. ⁴ |
| Sleep Mode Settings | Set Sleep Mode Settings to <code>Enabled</code> / <code>Disabled</code> . Sleep mode is a function that automatically disables the Wi-Fi function if no operations are performed for a certain period of time and no Wi-Fi compatible devices are connected. ⁵ Set to <code>Enabled</code> by default. When set to <code>Disabled</code> , more battery is consumed and the standby time is shortened. |
| Sleep Mode Timer | Set time period before Wi-Fi function is automatically set to Disabled when "Sleep Mode Settings" is set to Enabled . Set to 5 (minutes) by default. |
| Switching by Battery Level | Set Switching by Battery Level to Enabled / Disabled . By setting "Switching by Battery Level" to Enabled , Wi-Fi router will not enter Sleep mode until the battery level falls below 30%. Set to Disabled by default. |
| TX Power | Set Wi-Fi transmissions output. Suppressing transmissions output reduces interference with other communications. Set to High by default. |

1 If Wi-Fi spot is using 2.4 GHz frequency band, setting will temporarily be unavailable.

When using 144ch included in W56 in the 5 GHz band, set "Wi-Fi Mode" to 5 GHz and set "Wi-Fi Channel" to Auto (include 144 ch) . However, if set to Auto (include 144 ch) , communication with Wi-Fi compatible devices that do not support 144ch may not be

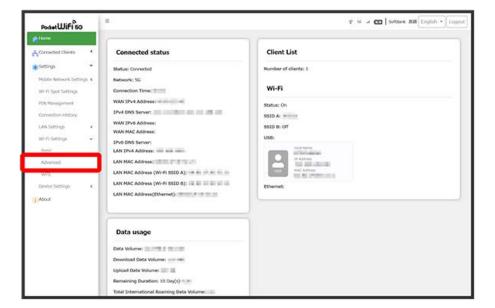
possible.

If you are outside of Japan or out of service area while "Wi-Fi Mode" is set to 2.4 GHz and "Wi-Fi Channel" is set to 12 ch or 13 ch , Wi-Fi Channel will change to Automatic .

- 2 If set to Outdoor and using the 5 GHz frequency band, W56 will be set regardless of the settings.
 - If Wi-Fi spot is using 5 GHz frequency band, this setting will be disabled.
- 3 Even if set to W52 or W53, Wi-Fi router will operate as W56 when power is turned on. To use W52 or W53, set to Indoor again.
- 4 It is not possible to disable all frequency bands.
- 5 Wi-Fi router will not enter Sleep mode in the following cases:
 - $\boldsymbol{\cdot}$ Screen is on
 - \cdot Charging with AC Charger (sold separately) or Cradle
 - \cdot Connected to computer via USB
 - \cdot Connected to wired LAN using Cradle



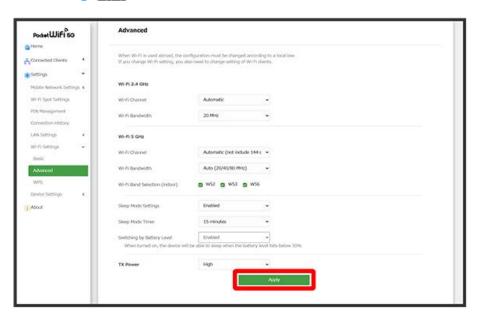




2

Set each item

Apply



 \cdot If confirmation appears, follow onscreen prompts.



OK



Connecting WPS Supported WLAN Device

When connecting to Wi-Fi compatible device using WPS function, WPS connection can be started from Web UI.

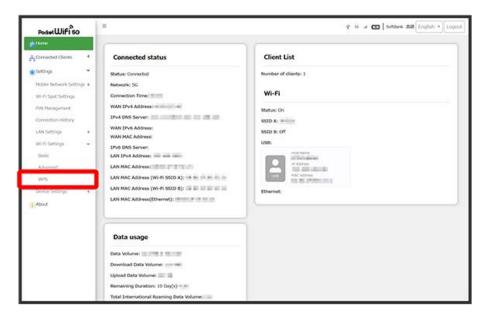
· When using the WPS function, only SSID A can be connected. To connect to SSID B, search for an access point and connect. For details, see "Wi-Fi Compatible Device."

Set "Use Wi-Fi" to Enabled beforehand, and make the following settings for the SSID to connect.

- · Security (Encryption Mode): WPA2-PSK (AES) / WPA/WPA2-PSK (AES+TKIP) / WPA2-PSK/WPA3-SAE (AES)
- · SSID Stealth: Disabled
- · Enable WLAN function on WLAN device, then prepare for WPS settings as required.
- \cdot Method of setting WPS function varies by device. See WLAN device user guide etc.

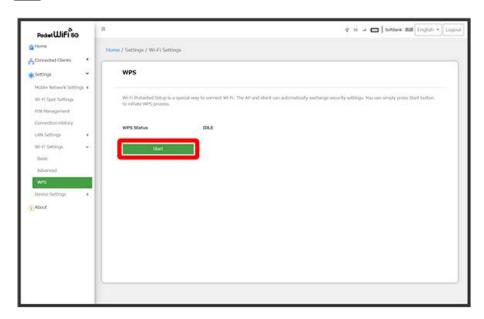


"Settings" tab ♦ Wi-Fi Settings ♦ WPS

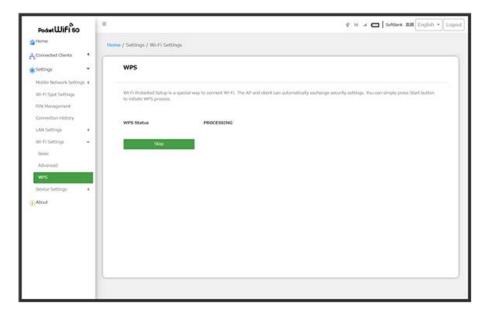


2

(Start



While following window appears (within 120 seconds), set up WPS connection on WLAN device



4

To make other settings on WLAN device, follow the onscreen instructions

If connection is successful, WLAN connection counter number on Wi-Fi router Status Bar increases by one.

Device Settings

Changing Login Password for Web UI

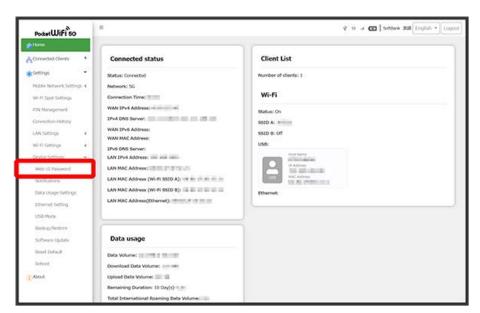
Change Login password.

For enhancing security, it is recommended to change Login password regularly.

- · By default, password for Web UI is set to the last 6 digits of IMEI number (International Mobile Equipment Identifier). For the IMEI information, check the included "Wireless LAN initial settings sticker" or "About Device" on touch menu of Wi-Fi router.
- · If you forget password, resetting Wi-Fi router using the reset button will reset the password. To reset Wi-Fi router, see "Front/Top/Bottom."

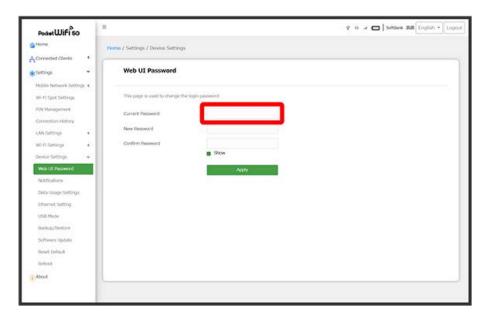
1

"Settings" tab () Device Settings () Web UI Password

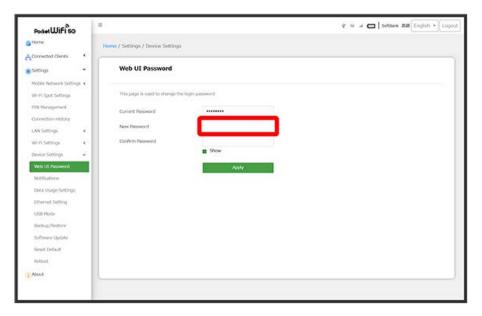


2

Enter current password



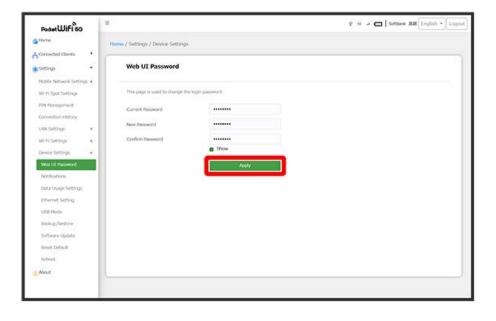
Enter new password



· Half-width alphanumeric characters and symbols between 8 and 32 bytes can be used. Make sure to include at least one character from each of 4 types: uppercase alphabet, lowercase alphabet, number, and symbol.

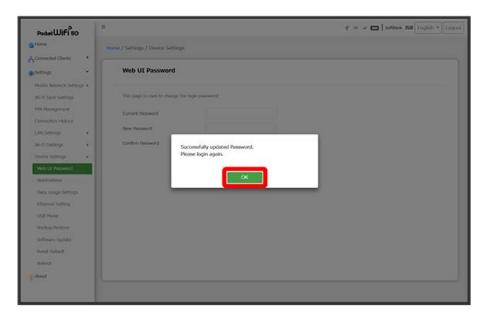
4

Enter new password again 🔵 Apply









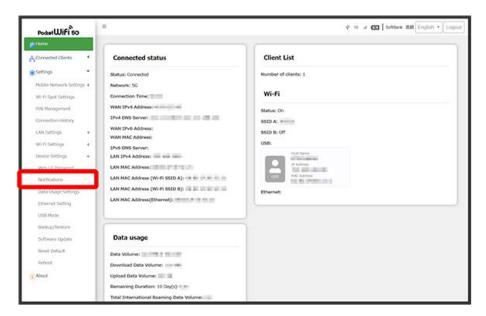
New password is set. When setting is complete, you will be logged out of Web UI and return to Home Screen.

Checking Notifications

Check received notifications.

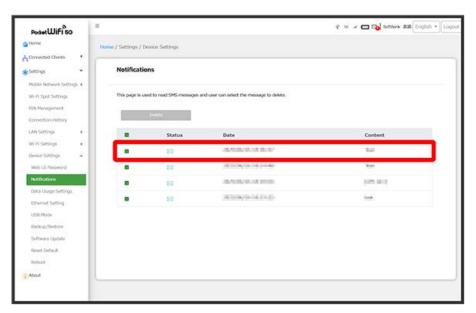
1

"Settings" tab () Device Settings () Notification



- Notification list is shown.
- 2

Select notification to check



Notification is shown.

Selecting and Deleting Notifications

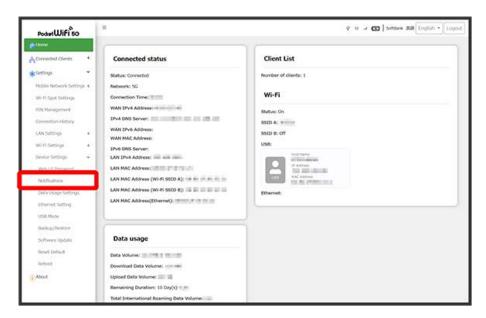
Delete received notifications.



"Settings" tab

Device Settings

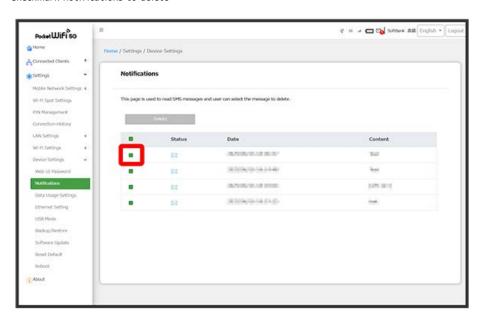
Notification



Notification list is shown.

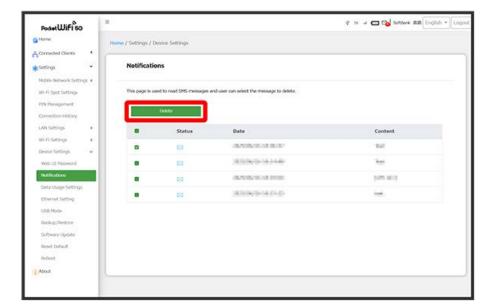
2

Checkmark notifications to delete



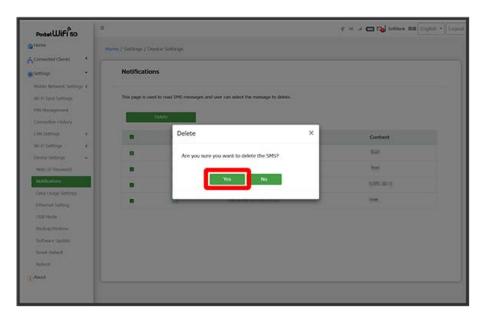
· Checkmark the top checkbox to select all.

[Delete]



4

[Yes]



Notification is deleted.

Setting Maximum Traffic

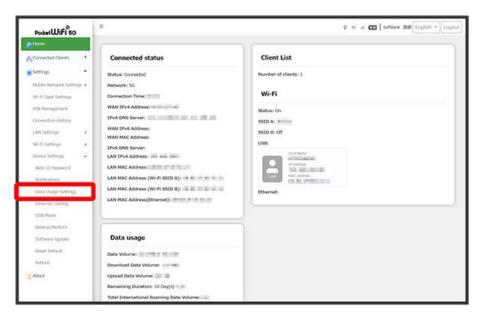
Set monthly data traffic volume. When data traffic volume exceeds the set volume, a notification with pop-up window and icon, etc. appears on Wi-Fi router. By default, maximum traffic volume is set to 50 GB.

Selectable range is 1 MB to 999 TB.

- · When data traffic volume exceeds the set maximum volume, icon (bar icon) shown on Wi-Fi router lock screen changes to (red bar icon). This is just a guide for using the device, and does not mean a limit on data communication.
- The set maximum traffic volume is not linked to the subscribed plan. Also, note that the data volume counted by Wi-Fi router is an estimate from the device's data volume and may differ from the actual data volume.

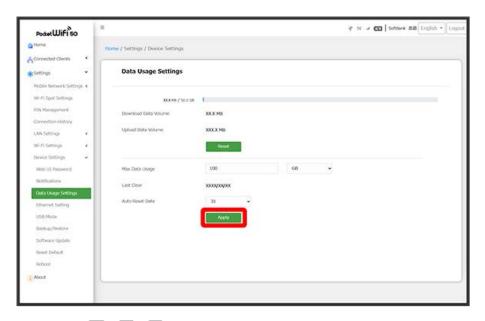


"Settings" tab () Device Settings () Data Usage Settings



2

Enter number for maximum traffic volume
Select unit
Apply



· Select a unit MB / GB / TB .

OK)



Maximum traffic is set.

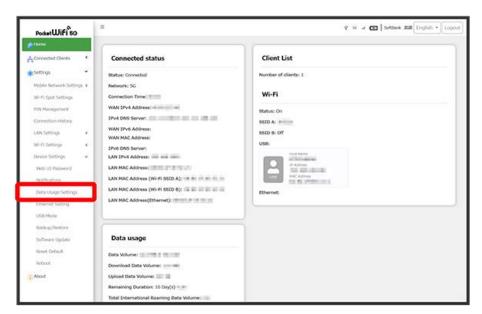
Setting Auto Reset Date

Set date of month for automatically resetting accumulated data traffic. It is reset at the timing of changing to the next day from set date.

By default, auto reset date is set to 31. Selectable range is 01 to 31.

1

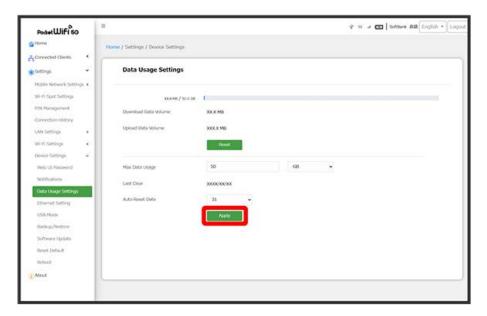
"Settings" tab → Device Settings → Data Usage Settings



2

Select auto reset date

Apply









- Auto reset date is set.
- \cdot If 31 is set, data usage is reset at the end of the month.
- · Select Reset \Rightarrow Yes to reset shown data usage.
- \cdot Data traffic is reset under the following conditions:
- \cdot Wi-Fi router settings are reset to their factory defaults
- \cdot SIM Card is replaced
- $\boldsymbol{\cdot}$ $\mbox{Automatic Date}$ and Time Setting $\mbox{is enabled on touch menu of Wi-Fi router}$
- · Date and Time settings are changed on touch menu of Wi-Fi router

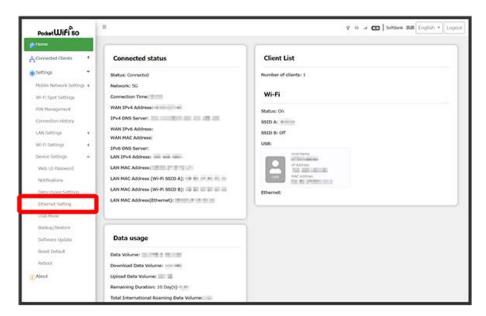
Setting Communication Speed When Connected to Wired LAN

Set communication speed when connected to wired LAN.

· By default, communication speed is set to Auto .



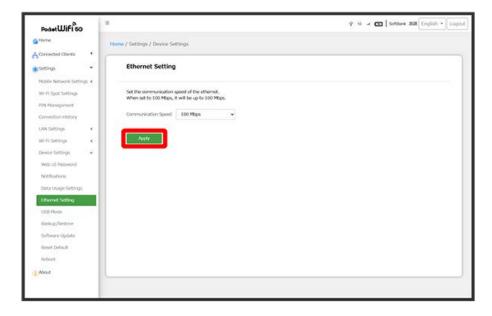
"Settings" tab → Device Settings → Ethernet Setting



2

Select Auto / 100 Mbps for "Communication Speed"

Apply









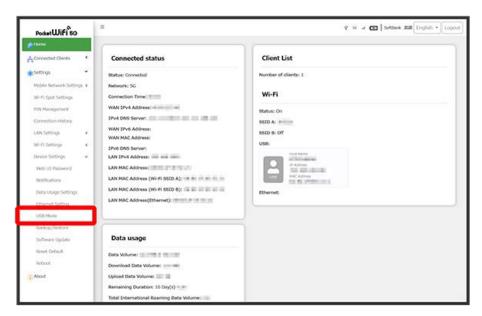
Setting USB Standard

Set USB standard.

By default, USB mode is set to USB 3.0 .

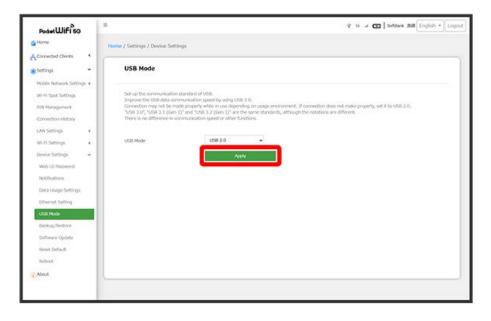


"Settings" tab → Device Settings → USB Mode

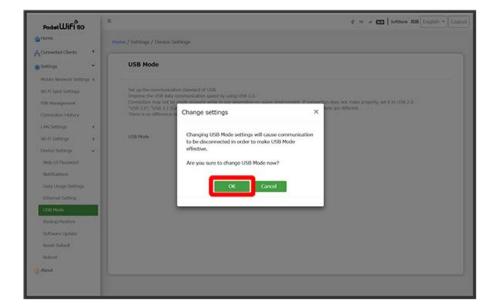


2

Select USB 3.0 / USB 2.0 for "USB Mode" → Apply







 ${f f eta}$ USB communication standard is set. When setting is complete, you will return to Home Screen.

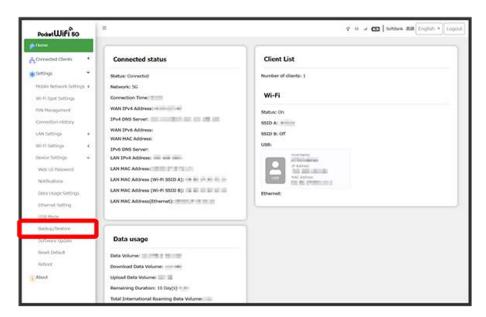
Backing Up Settings

Settings made on Wi-Fi router can be saved on computer.

· Depending on your browser settings, you may not be able to specify the saving destination or file name.

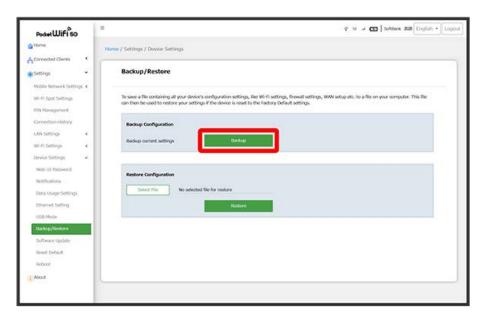


"Settings" tab → Device Settings → Backup/Restore



2

[Backup]



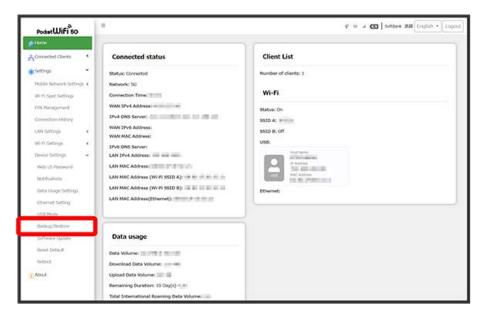
- XML file for backup is downloaded.
- · Default XML file name for backup is "settings.xml."
- \cdot If confirmation appears, follow onscreen prompts.

Restoring Settings

Use XML file downloaded on "Backing Up Settings" to restore the settings when backup was made.

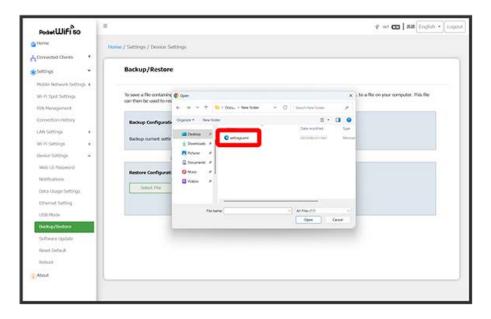
1

"Settings" tab () Device Settings () Backup/Restore



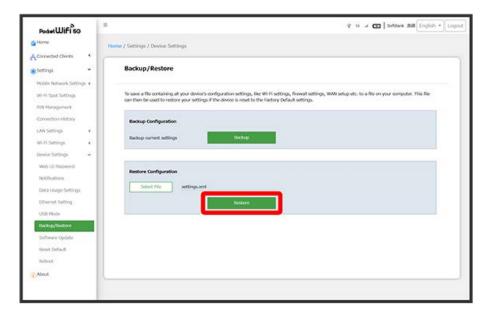
2

Select File 🔵 Select downloaded XML file





[Restore]



- Restoration of settings start. When restoration is complete, Wi-Fi router will reboot and you will be logged out of Web UI.
- \cdot If confirmation appears, follow onscreen prompts.

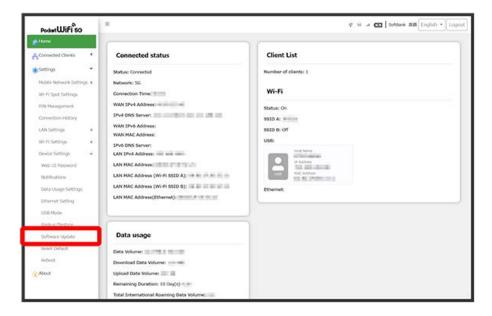
Setting Auto Software Update

Enable auto-software update to automatically update. If it is disabled, Wi-Fi router checks updates but does not update automatically.

· By default, Auto Update is set to Enabled , and Update Time is set to 4:00. Selectable range for Update Time is 0:00 to 23

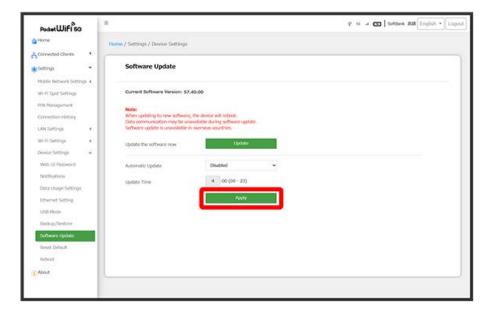
1

"Settings" tab (Device Settings (Software Update)



2

Select Enabled / Disabled for "Automatic Update" > Set update time > Apply

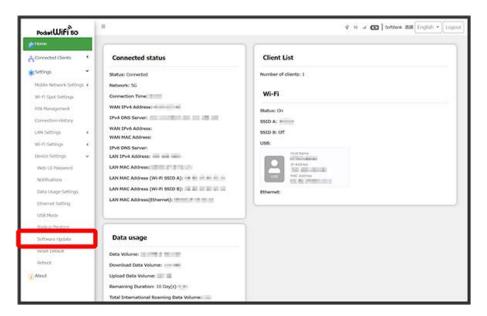


Automatic software update function is set.

Updating Software



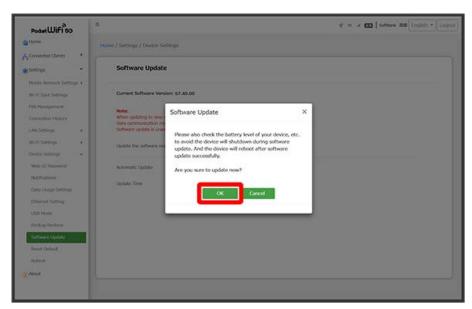
"Settings" tab
Device Settings
Software Update



2

Update → OK





🏁 Checks for the latest software. If software update is found, update software. When software update is complete, Wi-Fi router will reboot automatically.

- · Depending on the type of update, the update file may be downloaded and installed automatically.
- · When current software is the latest, "No new version" appears.
- · When a confirmation screen for reboot appears, check the contents and follow the onscreen instructions.
- · Software updates can also be performed on touch menu of Wi-Fi router. For details, see "Updating Software."

Software Update

Software update is a function that updates the software of Wi-Fi router to make it safer and more comfortable to use. Software update includes the following content, so be sure to update to the latest software version.

There are two types of software updates:

· Add new functions

Updating the functions of Wi-Fi router will improve its functionality and operability, allowing you to use it more comfortably.

· Quality improvement

Updating the functions of Wi-Fi router will improve its quality, allowing you to use it more comfortably.

For specific software update content and duration provided for Wi-Fi router, see SoftBank Corp. website.

- · Conditions of use
- · Updates cannot be performed if the software has been modified.
- · Software updates can be performed while retaining the settings on Wi-Fi router; however, data may not be protected depending on the condition of your device (malfunction, damage, water damage, etc.). It is recommended that you back up any data you need in advance.

Precautions for Software Update

Note the following when updating the software:

- · When the software update is complete, you cannot revert to the previous software version.
- · While software is updated, information specific to Wi-Fi router (such as model and serial number) will be sent to SoftBank Corp. servers. Information sent will not be used for any purpose other than the software update.
- · When updating to new software version, Wi-Fi router will reboot. Also, data communication may not be available while software is being updated.
- · Various functions will be unavailable during reboot.
- · If a PIN has been set, you may be asked to enter the PIN on a screen during reboot after the rewrite process.
- · If the software update fails and you are no longer able to perform any operations, please contact us. For contact information, see "Customer Service."
- · Software update cannot be performed in the following cases. Please try again after resolving any issues.
- · When battery level is low
- · When "OUT" is displayed
- \cdot During international roaming
- \cdot When the operating software has been improperly modified
- \cdot Do not turn off the power during software update.
- · It is recommended to download the update file in an area with strong signal and to not move around. If the signal is weak, the update may be interrupted.
- \cdot Software update can be performed when battery level is 30% or more.
- · Software update is available even when "Battery Care Mode (Weak)" is set. When "Battery Care Mode (Strong)" is set, software update can be performed when battery level is 15% or more and AC Charger is connected.
- · While software is updated, other functions such as data communication are unavailable (except when using Wi-Fi spot).
- · Software update cannot be performed if a device within LAN is currently communicating (except when using Wi-Fi spot).

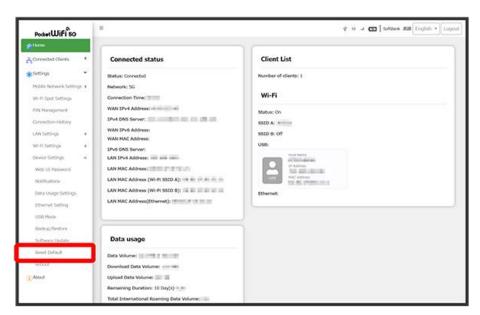
Resetting Wi-Fi Router

Restore Wi-Fi router settings to their factory defaults.

- · All settings are restored except contents in SIM Card.
- · Alternatively, use Reset Button of Wi-Fi router.

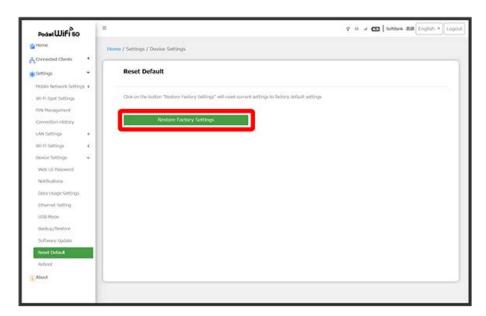
1

"Settings" tab → Device Settings → Reset Default

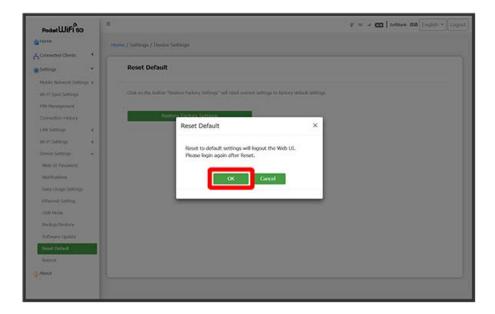


2

Restore Factory Settings







Wi-Fi router reboots to its default settings. You will be logged out of Web UI.

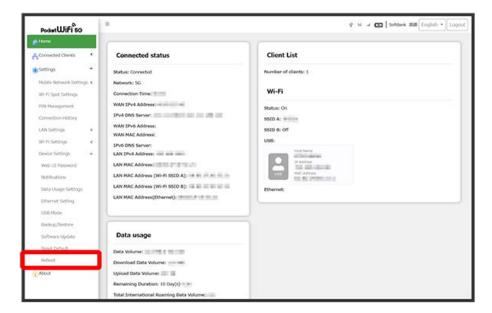
Restarting Wi-Fi Router

From Web UI you can reboot Wi-Fi router, or set it to reboot at a specified time after a specified number of days.

By default, Automatic Reboot is set to Disabled and Automatic Reboot Time is set to days/00:00. Selectable range for Automatic Reboot Time is 1 to 30 days/00:00 to 23:59.

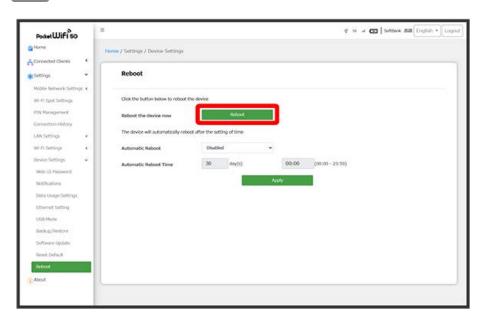


"Settings" tab → Device Settings → Reboot

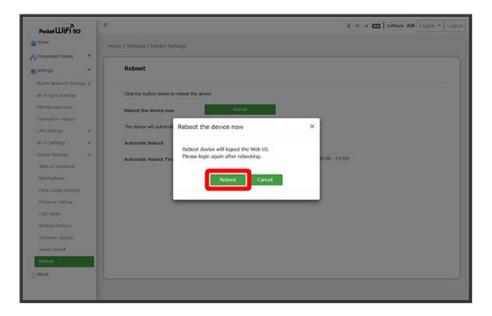


2

Reboot



[Reboot]



Wi-Fi router will reboot and you will be logged out of Web UI.

Showing Wi-Fi Router Information

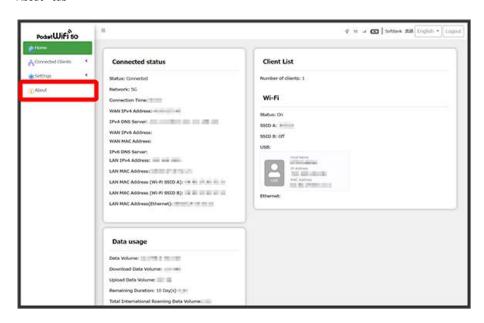
Checking Wi-Fi Router Information

Check various information such as firmware version.

| Item | Description |
|---------------------|---|
| Phone Number | Phone number saved in SIM Card |
| Current APN Profile | Current profile |
| IMEI | Serial number of Wi-Fi router |
| Max Access Number | Number of connectable device |
| LAN Domain | LAN domain of Wi-Fi router |
| System Version | System version |
| Software Version | Current software version |
| Support Website | Shows Website of Support Center and product information page. |



"About" tab





Appendix

| Troubleshooting | 11/2 |
|---|------|
| Specifications | 175 |
| Specific Absorption Rate (SAR) for This Product | .176 |
| FCC Notice | 177 |
| Warranty & Service | 178 |
| Customer Service | 179 |

Troubleshooting

Check Here First

If symptoms continue even after checking, contact a SoftBank Shop or Customer Service.

? Hints

- Q. Unable to connect WLAN
- A. Make sure Wi-Fi router and WLAN device WLAN functions are activated. When 5 minutes elapse after no WLAN devices are connected and Display turns off, Wi-Fi router goes into Sleep mode, and WLAN function and mobile network of Wi-Fi router are disabled. Press Power Key to enable WLAN function automatically. Change time before turning off in Wi-Fi Sleep Mode in Wi-Fi router Settings . For details, see "Sleep Mode."
- A. Confirm that SSID of Wi-Fi router is selected and correct password (Security Key) is set on WLAN device. If you forget SSID or password (Security Key), see Wi-Fi Guide in Touch Menu of Wi-Fi router or Wi-Fi Settings on Web UI to check or change password (Security Key).
 - For details, see "Setting SSID and Password (Security Key) " and "Wi-Fi Basic Settings (SSID A)." Some WLAN devices do not support WPA2™/WPA3. See WLAN device user quide.
- A. If you are unable to connect with WPS function, see WLAN device user guide etc. If problem persists, set up WLAN manually. For details, see each topic of "WLAN (Wi-Fi)."
- A. Change Wi-Fi communication standard setting and retry. For details, see "Setting Wi-Fi Communication Standard."
- A. Depending on the specifications or settings of WLAN devices, the connection may not be resumed automatically even if WLAN function of Wi-Fi router and WLAN devices is enabled. See WLAN device user guide.
- A. Some Wi-Fi compatible devices may not support SSID stealth or strong Wi-Fi encryption (PMF).

 If you cannot connect to Wi-Fi, on Web UI select

 Settings Wi-Fi Settings Set SSID Stealth
 and Wi-Fi PMF in Basic to Disabled, then
 reconnect to Wi-Fi again. For details, see "Wi-Fi Basic Settings (SSID A)."

- Q. Computer does not recognize Wi-Fi router by USB connection
- A. Check whether Wi-Fi router is properly connected to computer.
- A. Remove Wi-Fi router from computer, restart computer, then reconnect Wi-Fi router.
- A. For Windows 11, follow these steps to confirm proper Wi-Fi router installation.

Right-click the Start menu Device Manager Device Manager

- \cdot "Remote NDIS Compatible Device" in "Network adapters"
- For Windows 10, follow these steps to confirm proper Wi-Fi router installation.

Right-click the Start menu Device Manager Occion that the following are shown.

- "Remote NDIS Compatible Device" in "Network adapters"
- Q. Charging time is long
- A. It takes longer to charge from a computer via USB.
- A. It takes longer to charge while using Wi-Fi router.
- Q. Internet connection fails
- A. Make sure Wi-Fi router is within the service area.
- A. If signal reception is poor, move to where signal is good and reconnect.
- A. The access point might be busy depending on the time of day. Wait a little then reconnect.
- A. Activate Web UI and make sure that network settings are correct.

- Q. Transmission fails
- A. Signal may be weak. Move to where signal is stronger.
- A. Check Battery of Wi-Fi router. If Battery is low, charge Battery with computer using USB Cable (recommended product sold separately) or AC Charger (sold separately).
- A. Confirm that Wi-Fi router and WLAN device, computer, etc. are properly connected via WLAN or USB Cable (recommended product sold separately).
- A. If Wi-Fi router is connected via WLAN, power off Wi-Fi router, then power on again.
- A. If Wi-Fi router is connected using USB Cable (recommended product sold separately), remove Wi-Fi router from PC, then reconnect. If USB 3.0 is selected for USB Mode in Settings on Wi-Fi router, change it to USB 2.0 . For details, see "Setting USB Communication Standard."
- A. Some WLAN devices may stop when no data transfer is made for a certain period of time. See WLAN device user quide.
- A. If problem persists, restart computer, then reconnect to Wi-Fi router.
- Q. Transmission from WLAN device connected to Wi-Fi router fails
- A. Confirm that SIM Card is recognized.
- A. Confirm that Wi-Fi router is properly connected to mobile network. When connected to mobile network, icon (1) appears on Home Screen indicating mobile network connection established.
- A. Data traffic is unavailable during Wi-Fi router software update. Try to connect after software is updated.

- Q. Transmissions are slow
- A. When papears on Wi-Fi router status bar, communication speed slowdown has started based on your data usage. For details, see "Operation for Setting Data Traffic."
- A. Signal may be weak. Move to where signal is stronger.
- A. Connection may be poor. Try again later.
- A. Interference with nearby WLAN device etc. may occur. Change Wi-Fi router channel or connect with USB Cable (recommended product sold separately). For details about changing WLAN channel, see "Wi-Fi Advanced Settings."
- A. Using TV, radio or microwave oven may cause interference signal reception of Wi-Fi router. Use them apart from Wi-Fi router or turn them off to check if they interfere Wi-Fi router signal reception.
- A. If temperature of Wi-Fi router remains high for a long time, communication may be restricted. Try to connect after a while.
- A. If Wi-Fi router is covered with cover or case, remove it
- Q. Forgot PIN/Unknown PIN Unblocking Key (PUK)/SIM Card is locked
- A. Contact Customer Service.
- Q. SIM Card is not recognized/recognized as an invalid SIM Card
- A. Check whether SIM Card is properly inserted. For details, see "Inserting SIM Card."
- A. Check SIM Card for damage.
- A. Check SIM Card IC chip for scratches/corrosion.
- A. Dirt on SIM Card (particularly on IC chip) may prevent recognition. Clean it with a soft cloth.
- A. Contact Customer Service.
- Q. Unsure if logged on Administrator
- A. For Windows 11, follow these steps to check.
 Right-click the Start menu Settings
 Accounts Confirm that account type is "Administrator."
- A. For Windows 10, follow these steps to check.
 Right-click the Start menu Settings Accounts Confirm that account type is "Administrator."
- A. For macOS Sequoia 15.1, follow these steps to check.

 In the Apple menu, System Preferences

 Users & Groups Confirm that account type is

 "Administrator."

- Q. "Out of service area" indication appears when outside Japan
- A. Make sure that Network Search Mode for International Roaming is Automatic. For details, see "International Roaming."
- Q. Resetting factory defaults (Reset)
- A. Reset Wi-Fi router from the Touch Menu or Web UI. For details, see "Front/Top/Bottom" (for Touch Menu) or "Resetting Wi-Fi Router" (for Web UI).
- Q. Old phone number appears on Web UI
- A. Old phone number may still appear in Web UI depending on subscription terms or cancellation method.
- Q. Wi-Fi router operations are unstable
- A. Confirm that Wi-Fi router is not used in extreme temperatures/high humidity/direct sunlight/dusty areas. Read "Safety Precautions" beforehand for using under proper environment.
- Q. Wi-Fi router goes off
- A. Confirm that Wi-Fi router is not used in extreme temperatures/high humidity/direct sunlight/dusty areas. Read "Safety Precautions" beforehand for using under proper environment.
- A. Reboot Wi-Fi router and check battery level. If Battery is low, charge Battery, power on 10 minutes after charging starts, then check if Wi-Fi router works properly.
- Q. Connection for voice chat or video chat fails
- A. Make sure Wi-Fi router is within the service area.
- A. Signal may be weak. Move to where signal is stronger.
- Q. Wi-Fi router consumes Battery faster.
- A. Depending on the settings, Wi-Fi router consumes
 Battery faster. Change the settings for Display
 Brightness, Display Timeout, Sleep mode, or Fast Boot.
 For details, see "Other Settings."
- When the network connection is unstable, Wi-Fi router drains Battery.
- A. Usage times gradually become shorter due to repeated charging/discharging.

- Q. Cannot charge
- A. Is power plug of AC Charger (sold separately) properly inserted into AC outlet?
- A. Is AC Charger (sold separately) properly connected to Wi-Fi router?
- A. Is Type-C plug of AC Charger (sold separately) securely connected to Wi-Fi router?
- A. If you are using USB Cable (recommended product sold separately), is computer turned on?
- A. If you continue to charge Wi-Fi router for a long period of time while communicating or operating other functions, Wi-Fi router may become hot and charging may stop. In this case, wait until the temperature of Wi-Fi router has cooled before charging it again.
- A. Are you charging using AC Charger (sold separately) that is compatible with Wi-Fi router? See SoftBank Website for compatible AC Chargers.
- Q. Communication speed is slow
- A. When communication speed is limited due to high temperature, an icon () appears in the Status indicator display area. Wait until the temperature of Wi-Fi router has cooled before using it again.
- Q. Communication fails immediately
- A. When functions are limited due to high temperature, an icon () appears in the Status indicator display area. Wait until the temperature of Wi-Fi router has cooled before using it again.
- Q. Forgot login password for Web UI
- A. If you forget login password for Web UI, resetting Wi-Fi router using the reset button will reset the password.

To reset Wi-Fi router, see "Front/Top/Bottom."

- Q. Forgot login password for unlocking screen
- A. If you forget password for unlocking screen, resetting Wi-Fi router using the reset button will return Wi-Fi router to state where no unlocking password is set.

 To reset Wi-Fi router, see "Front/Top/Bottom" (for Touch Menu) or "Resetting Wi-Fi Router" (for Web UI).

Specifications

Wi-Fi Router

| Item | Description |
|--------------------------|---|
| Dimensions (W × H × D) | Approx. 108 × 74 × 15.7 mm |
| Weight | Approx. 168 g |
| Interface | USB 3.0 (USB Type-C) |
| Operation Environment | Operating Temperature: 5℃ to 35℃ Humidity: 45% to 85% |
| Compatible Networks | Domestic use 5G: 3.7 GHz, 3.5 GHz, 3.4 GHz, 1.7 GHz, 700 MHz 4G (TDD-LTE (including AXGP)): 3.5 GHz, 2.5 GHz LTE (FDD-LTE): 2.1 GHz, 1.7 GHz, 800 MHz, 900 MHz, 700 MHz Overseas use 5G: 3.5 GHz 4G (TDD-LTE (including AXGP)): 1.9 GHz, 2.3 GHz, 2.5 GHz, 3.5 GHz LTE (FDD-LTE): 2.1 GHz, 1.7 GHz, 1.7 GHz/2.1 GHz (AWS), 850 MHz, 2.6 GHz, 900 MHz, 700 MHz 3G: 2.1 GHz, 850 MHz, 900 MHz WLAN: IEEE802.11 a/b/g/n/ac/ax (Wi-Fi Spot) IEEE802.11a/b/g/n/ac/ax (LAN Wi-Fi) |

5G:

n28: Upstream: 718 MHz to 748 MHz, Downstream: 773 MHz to 803 MHz n77: Upstream: 3300 MHz to 4200 MHz, Downstream: 3300 MHz to 4200 MHz n78: Upstream: 3300 MHz to 3800 MHz, Downstream: 3300 MHz to 3800 MHz 4G (TDD-LTE (including AXGP)): B38: Upstream: 2570 MHz to 2620 MHz, Downstream: 2570 MHz to 2620 MHz B39: Upstream: 1880 MHz to 1920 MHz, Downstream: 1880 MHz to 1920 MHz B40: Upstream: 2300 MHz to 2400 MHz, Downstream: 2300 MHz to 2400 MHz B41: Upstream: 2496 MHz to 2690 MHz, Downstream: 2496 MHz to 2690 MHz B42: Upstream: 3400 MHz to 3600 MHz, Downstream: 3400 MHz to 3600 MHz

n3: Upstream: 1710 MHz to 1785 MHz, Downstream: 1805 MHz to 1880 MHz

LTE (FDD-LTE):

Downstream: 2110 MHz to 2170 MHz B3: Upstream: 1710 MHz to 1785 MHz, Downstream: 1805 MHz to 1880 MHz B4: Upstream: 1710 MHz to 1755 MHz, Downstream: 2110 MHz to 2155 MHz B5: Upstream: 824 MHz to 849 MHz, Downstream: 869 MHz to 894 MHz B7: Upstream: 2500 MHz to 2570 MHz, Downstream: 2620 MHz to 2690 MHz B8: Upstream: 880 MHz to 915 MHz, Downstream: 925 MHz to 960 MHz B12: Upstream: 699 MHz to 716 MHz, Downstream: 729 MHz to 746 MHz B18: Upstream: 815 MHz to 830MHz, Downstream: 860 MHz to 875 MHz B19: Upstream: 830 MHz to 845 MHz, Downstream: 875 MHz to 890 MHz B28: Upstream: 718 MHz to 748 MHz,

B1: Upstream: 1920 MHz to 1980 MHz,

B1: Upstream: 1920 MHz to 1980 MHz, Downstream: 2110 MHz to 2170 MHz B5: Upstream: 824 MHz to 849 MHz, Downstream: 869 MHz to 894 MHz B8: Upstream: 880 MHz to 915 MHz, Downstream: 925 MHz to 960MHz

Downstream: 773 MHz to 803 MHz

WLAN:

2400 MHz to 2484 MHz (13ch all;

Domestic)

5150 MHz to 5350 MHz 5470 MHz to 5730 MHz

Continuous

5G (SA)*: Approx. 790 hours 4G LTE (FDD-LTE): Approx. 1,450 hours 4G (AXGP): Approx. 1,420 hours * 5G standby time is an estimate in a 5G

standalone environment.

Continuous Communication Time

Standby Time

Frequency

5G (NSA)*: Approx. 540 minutes 4G LTE (FDD-LTE): Approx. 620 minutes 4G (AXGP): Approx. 710 minutes * 5G communication time is an estimate in

a 5G non-standalone environment.

SIM Removal Tool

| Item | Description |
|--------|---------------|
| Length | Approx. 28 mm |
| Weight | Approx. 0.5 g |

Material List (Wi-Fi Router)

| Parts | Materials/Finishing |
|---------------------------|--|
| Display Panel | Acrylic resin + PC resin/hard coat |
| Exterior | PC resin/paint, hard coat, print |
| Power Key | PC resin/paint, hard coat |
| USB Type-C Port (Inner | Stainless steel/nickel plating |
| Circumference) | |
| SIM Card | |
| Tray (Exterior) | PC resin/ paint, hard coat |
| SIM Card Tray | PET resin + Stainless steel / paint, hard coat |

Material List (SIM Removal Tool)

| Parts | Materials/Finishing |
|-------------|----------------------|
| SIM Removal | Stainless steel/none |
| Tool | |

Specific Absorption Rate (SAR) for This Product

Specific Absorption Rate (SAR) Information of This Product (for Japan)

This device [A503SH] complies with the Japanese technical regulations and international guidelines regarding exposure to radio waves.

This device was designed in observance of the Japanese technical regulations regarding exposure to radio waves*1 and the limits of exposure recommended in the international guidelines, which are equivalent to each other. The international guidelines were set out by the International Commission on Non-Ionizing Radiation Protection (ICNIRP), which is in collaboration with the World Health Organization (WHO), and the permissible limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health conditions.

The technical regulations and the international guidelines set out the limits of exposure to radio waves as the Specific Absorption Rate, or SAR, which is the value of absorbed energy in any 10 grams of human tissue over a 6-minute period. The SAR limit for mobile phones including this device is 2.0 W/kg. The highest SAR value for this device when worn on the body is 1.831 W/kg *2. There may be slight differences of the SAR values in individual product, but they all satisfy the limit.

The actual value of SAR of this device while operating can be well below the indicated above. This is due to automatic changes in the power level of the device to ensure it only uses the minimum power required to access the network.

By using accessories such as a belt clip holster that maintains a 1.5 cm separation with no metal (parts) between it and the body, this device is certified the compliance with the Japanese technical regulations.

The World Health Organization has stated that "a large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile phone use."

Please refer to the websites listed below if you would like more detailed information regarding SAR.

- Ministry of Internal Affairs and Communications Website: https://www.tele.soumu.go.jp/e/sys/ele/index.htm
- · Association of Radio Industries and Businesses Website: https://www.arib-emf.org/01denpa/denpa02-02.html (in Japanese only)
- *1 The technical regulations are provided in Article 14-2 of the Radio Equipment Regulations, a Ministerial Ordinance of the Radio Act.
- *2 Including other radio systems that can be simultaneously used with 5G/LTE.

FCC RF Exposure Information

This device [A503SH] is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limit for exposure to radio frequency (RF) energy required by the Federal Communications Commission (FCC). The limit is based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health conditions.

The exposure standard for mobile phones including this device employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/ kg.

The tests are performed in positions and locations as required by the FCC. The highest SAR value for this device when tested for use worn on the body as shown below is 1.08 W/kg.

Body-worn Operation: This device was tested for typical body-worn operations with the separation distance of 1.0 cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain the above separation distance between the user's body and the device. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with the FCC RF exposure requirements and should be avoided.

The FCC has granted an equipment authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure requirements. Filed SAR information of this device can be found by searching FCC ID APYHRO00337 in the FCC ID Search webpage: https://www.fcc.gov/oet/ea/fccid

Additional information on SAR can be found on the FCC website at https://www.fcc.gov/general/radio-frequency-safety-0.

FCC ID Location

The device is electronically labeled and the FCC ID can be displayed in the About Device menu.

FCC Notice

" A503SH" here refers to this Wi-Fi router "Pocket WiFi 5G."

Wi-Fi Router

Do not disassemble or modify Wi-Fi router.

Regulatory Information

We, SHARP CORPORATION, have confirmed that the product complies with the radio technical standards of Directive 2014/53/EU, but we have not issued a declaration of conformity for CE marking.

Battery Cautions

Use specified Charger only.

Non-specified equipment use may cause Internal Battery to leak, overheat, burst or ignite, and may cause Charger to overheat, ignite, malfunction, etc.

Battery is built into handset. Do not dispose of handset with ordinary refuse; take it to a SoftBank Shop for appropriate disposal.

Charge handset in ambient temperature 5°C - 35°C; Internal Battery may leak/overheat and performance may deteriorate outside this range.

FCC Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

■FCC Information to User

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1. Reorient/relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4. Consult the dealer or an experienced radio/TV technician for help.

Warranty & Service

Warranty

- · Wi-Fi router warranty is for 1 year from date of purchase.
- Repairs will be done based on terms of repair service. Terms
 of repair service is referred to SoftBank website.
 https://www.softbank.jp/mobile/support/product/
 warranty/ (Japanese)
- · Warranty covers only Wi-Fi router. Accessories such as cables are not covered by terms of repair service.

Precautions

Damages

SoftBank Corp. is not liable for any damages resulting from use of Wi-Fi router.

Accidents/Repair

Files and settings may be lost or altered due to accidents or repairs. Keep a copy etc. of important files. Keep a copy of important files, etc. SoftBank Corp. is not liable for damages resulting from loss or alteration of files or settings due to accident or repair.

Disassembling/Modifying Wi-Fi Router

Disassembling or modifying this Wi-Fi router may be a violation of the Radio Law. Note that SoftBank Corp. does not accept repair requests for modified products.

After-Sales Service

To request repairs, contact Customer Service or a nearby SoftBank Shop. Have details of symptoms ready.

- \cdot During the warranty period, repairs are made under the terms of repair service.
- · After the warranty period, if Wi-Fi router can be repaired, repairs will be made at cost. The functional parts necessary to repair the Wi-Fi router will be available for four years generally after the manufacture is discontinued. Repair may not be possible because of a shortage of repair parts even during the warranty period.

Further Inquiry

For more information, contact a SoftBank Shop or SoftBank Customer Support.

Customer Service

For application or service information, call SoftBank Technical Support Center.

SoftBank Customer Support

- · From a SoftBank handset, dial toll free at 157
- · From a landline, dial toll free at 0800-919-0157
- \cdot Business hours: Call 10:00am 7:00pm / Chat 9:00am 8:00pm

SoftBank Technical Support Center

Setup, Operations & Technical Issues:

- From a SoftBank handset, dial toll free at \pm 5525
- \cdot From a landline, dial toll free at 0088-21-5525
- \cdot Business hours: Weekdays 9:00 am 7:00 pm / Sat., Sun. and holidays 9:00 am 5:00 pm
- * Not available from outside Japan. If calling from outside Japan: +81-92-687-0042 (charges apply)

Safety Precautions

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Safety Precautions

Read safety precautions before using Wi-Fi router. Observe precautions to avoid injury to self or others, or damage to property.

Labels & Symbols

These labels indicate the degree of risk from improper use. Make sure you thoroughly understand their meanings before reading on.

| Mark | Description |
|---|--|
| <u> </u> | Great risk of death or serious injury*1 from improper use |
| **MARNING Risk of death or serious injury*1 from improper use | |
| <u> </u> | Risk of minor injury*2 or damage to property*3 from improper use |

- *1 Serious injury: Refers to loss of sight, injury, burns (highand low temperature), electric shock, broken bones, injuries with residual aftereffects from poisoning, etc., and injuries requiring hospital admission for treatment or long-term hospital attendance as an outpatient.
- *2 Minor injury: Refers to injuries, burns (high- and low-temperature), electric shock, etc. that do not require hospital admission for treatment or long-term hospital attendance as an outpatient.
- *3 Damage to property: Refers to extended damage to buildings, furniture, livestock, pets, etc.

These symbols indicate prohibited or compulsory actions. Make sure you thoroughly understand their meanings before reading on.

| Mark | Descriptions |
|------------------------------|--------------------------------|
| Prohibited | Prohibited actions |
| Do Not Disassemble | Disassembly prohibited |
| Avoid Liquids Or Moisture | Exposure to liquids prohibited |
| Do Not Use Wet Hands | Use with wet hands prohibited |
| Compulsory | Compulsory actions |
| Disconnect Power Source | Unplug from outlet |

Wi-Fi Router, SIM Card, SIM Removal Tool, Cradle (Optional), USB Cable (Recommended Product Sold Separately), AC Charger (Sold Separately)

⚠ DANGER



Do not use, store, or leave Wi-Fi router/ related hardware in a place that reaches high temperatures or where heat collects (e.g. near fire or source of heat, under a kotatsu (blanketed warming table) or bedding, in direct sunlight, inside vehicles on a hot day, etc.).

May cause fire, burns, injury, electric shock, etc.



Do not put Wi-Fi router/related hardware in or close to a cooking appliance such as a microwave or IH cooking heater, or a high-pressure container such as a pressure cooker.

May cause fire, burns, injury, electric shock, etc.



Keep terminals free of water or other liquids (drinking water, sweat, sea water, pet urine, etc.). Do not charge Wi-Fi router while it is wet or near water (in the bathroom, near a humidifier, etc.).

May cause fire, burns, injury, electric shock, etc.



Do not subject Wi-Fi router to excessive force or break it. Especially when carrying it in your pocket, do not hit it or press it between other objects.

Internal Battery breakage may cause fire, burns, injury, etc.

- * Take additional care in instances such as the following:
- \cdot Sitting or squatting with the Wi-Fi router in your pants or skirt pocket
- \cdot Wi-Fi router becoming caught in a sliding door or vehicle door when in a jacket pocket
- \cdot Stepping on Wi-Fi router when it is on something soft such as a sofa, bed, or futon or on the floor
- · Wi-Fi router becoming caught in a seat on a train or bus



Do not disassemble or modify.

May cause fire, burns, injury, electric shock, etc.



Do not attempt to remove Internal Battery

May cause fire, burns, injury, etc.



Wi-Fi router Back Cover cannot be removed Do not try to remove. Even if Wi-Fi router bulges due to bulges of Internal Battery, etc., do not try to remove Back Cover or press it with excessive force.

May cause fire, burns, injury, etc.



Use optional accessories specified by SoftBank Corp.

Using third party accessories or those whose manufacturer, distributor, or specifications are unclear may result in fire, burns, injury, electric shock, etc.

MARNING



Do not drop, step on, throw or otherwise subject to strong force, impact or vibration.

May cause fire, burns, injury, electric shock, etc.



Keep conductive materials (metal strip, pencil lead, etc.) away from terminals. Do not let dust, sand, etc. enter them.

May cause fire, burns, injury, electric shock, etc.



If Battery does not charge after specified time, stop charging.

May cause fire, burns, injury, etc. due to overcharging.



Keep Wi-Fi router off and stop charging Battery near places with fire/explosion risk (flammable gases or fine particulates).

Using in a place where flammable gas, etc. generates may cause explosion, fire, etc.



Follow the instructions given by the respective institution regarding the use of Wi-Fi router/related hardware in a gas station.

Do not charge Battery in a gas station.

Be careful not to drop Wi-Fi router/related hardware in a gas station. Never use while refueling a car.

Using in a place where flammable gas, etc. generates may cause explosion, fire, etc.



If there is abnormal odor/sound, smoke, overheating, discoloration, distortion, or other abnormalities during use, charging, or storage, do the following while exercising caution.

- · Unplug Wi-Fi router/related hardware.
- \cdot Disconnect USB Cable (recommended product sold separately) from connected device.
- · Power off.
- \cdot Turn off Wi-Fi router and any connected devices. Failure to do so may cause fire, burns, injury, electric shock, etc.

A CAUTION



Do not use Wi-Fi router/related hardware when damaged.

May cause fire, burns, injury, etc.



Do not place Wi-Fi router/related hardware on unstable/uneven surfaces.

Wi-Fi router or related hardware may fall, resulting in injury.



Do not use or store in a place that is subject to high humidity, excessive dust, or high temperatures.

May cause fire, burns, electric shock, etc.



A guardian should give children proper instructions and do not allow them to use Wi-Fi router in a wrong way.

 $\label{eq:maycause} \mbox{May cause accidental swallowing, injury, electric shock, etc.}$



Do not leave within the reach of small children or where pets can touch.

Be careful especially when storing small components such as SIM Card Tray and SIM Removal Tool.

May cause accidental swallowing, injury, electric shock, etc.



Wi-Fi router temperature may become high when used continuously or while charging. Be careful not to remain in contact with Wi-Fi router continuously, such as by using it inside a bag or other place where heat can easily build up, or by falling asleep with it in your pocket.

Wi-Fi router, Internal Battery or AC Charger may become hot while in use or while charging for a long period, and cause redness, itchiness, rash, low-temperature burns, etc. depending on your physical condition.

Wi-Fi Router

⚠ DANGER



Do not heat or dispose of Wi-Fi router in fire.

May cause fire, burns, injury, etc.



Do not damage Wi-Fi router by nailing, hammering, stomping on it, or otherwise subjecting it to excessive force.

May cause fire, burns, injury, etc.



If matter inside Wi-Fi router gets into eyes or mouth, immediately rinse with water and consult a doctor immediately.

Matter inside Wi-Fi router may cause blindness or poor health.

MARNING



Do not let water or other liquids (drinking water, sweat, sea water, pet urine, etc.) or a foreign metal object (cutter blades, staples, etc.) and flammable material, etc. enter SIM Card Tray slot inside Wi-Fi router.

Insert SIM Card in correct position and orientation.

May cause fire, burns, injury, electric shock, etc.



Power off when boarding aircraft.

Follow the regulations of the airline for use aboard aircraft. Otherwise, Wi-Fi router radio waves may affect an aircraft's electronic equipment. Prohibited usage of Wi-Fi router in aircraft is punishable by law.



Follow medical facility rules regarding use of Wi-Fi router in facilities.

Power off in a prohibited area. Wi-Fi router radio waves may affect electronic equipment or electric medical equipment.



If wearing electric medical equipment, check with the equipment manufacturer or dealer for information about the effects of radio waves.

Wi-Fi router radio waves may affect electric medical equipment.



Power off near electronic devices or equipment operating on high precision control or weak signals.

Wi-Fi router radio waves may cause electronic malfunction, etc.

Take added care near these devices: Hearing aids, implanted cardiac pacemakers, implanted cardioverter defibrillators, other electric medical equipment, and other automatically controlled devices or equipment. When using implanted cardiac pacemakers, implanted cardioverter defibrillators, or other electric medical equipment, check with the equipment manufacturer or dealer for information about the effects of radio waves.



If Display is damaged, be careful of broken glass and exposed interior components.

Touching damaged or exposed parts may cause burns, injury, electric shock, etc.



If the Internal Battery leaks or emits an unusual odor, immediately stop using the product and move it away from any naked flames or fire.

The battery fluid is flammable and could ignite, causing a fire, explosion, etc.



Do not allow a pet, etc. to bite Wi-Fi router.

Battery may ignite, explode, overheat, or leak may cause fire, burns, injury, etc.

⚠ CAUTION



If you damage Display and the internal matter leaks, do not let it get on face or hands, on clothes, etc.

May cause injury to eyes, skin, etc. If internal matter gets into eyes or mouth, or on skin or clothes, rinse with water immediately. If internal matter gets into eyes or mouth, consult a doctor immediately after rinsing with water.



Do not dispose Wi-Fi router together with ordinary trash.

May cause fire, burns, injury, etc. Also, may cause environmental destruction. Bring unnecessary Wi-Fi router into a sales outlet such as a SoftBank Shop or follow the municipality instructions for recycling.



If the substance inside the Internal Battery leaks, do not get the liquid on your skin (face, hands, etc.), clothes, etc.

May result in damage your eyes or skin. If the internal substance comes into contact with your eyes, mouth, skin or clothes, immediately rise the contacted area with clean water. Also, if it comes into contact with your eyes, mouth, etc., seek medical treatment immediately after rising the contacted area.



When removing SIM Card, be careful of SIM Removal Tool tip not to hurt your finger, etc.

Touching SIM Removal Tool tip may cause injury, etc.



If using in vehicles, check with the automobile manufacturer or dealer for information about the effects of radio waves.

Depending on the vehicle model, radio waves may cause adverse effects on the vehicle's electronic devices. If this occurs, stop using the device immediately.



If you experience any skin irritation associated with Wi-Fi router use, discontinue Wi-Fi router use and consult a doctor.

May cause itchiness, skin irritation, or rashes depending on your physical condition. (See "Material List (Wi-Fi Router).")



View Display in a sufficiently bright location, at a reasonable distance from Display.

May deteriorate vision.

AC Charger (Sold Separately), Cradle (Optional), USB Cable (Recommended Product Sold Separately)

M WARNING



Do not use AC Charger (sold separately)/USB Cable (recommended product sold separately) if these cords are damaged.

May cause fire, burns, electric shock, etc.



Do not touch AC Charger (sold separately)/USB Cable (recommended product sold separately) if thunder is audible.

May cause electric shock, etc.



Do not short-circuit terminals when plugged in. Do not contact terminals with hands, fingers, etc.

May cause fire, burns, electric shock, etc.



Do not place heavy objects on or pull AC Charger (sold separately)/USB Cable (recommended product sold separately) cords.

May cause fire, burns, electric shock, etc.



Do not allow contact with metal when connecting/disconnecting AC Charger (sold separately) to/from outlet.

May cause fire, burns, electric shock, etc.



Do not use a voltage converter (travel converter for overseas use, etc.) when charging with AC Charger (sold separately).

May cause ignition, overheating, electric shock, etc.



Do not apply excessive force where Wi-Fi router is connected to AC Charger (sold separately).

May cause fire, burns, injury, electric shock, etc.



Do not touch AC Charger (sold separately) cord/USB Cable (recommended product sold separately), Cradle (optional), terminals, or power plug with wet hands.

May cause fire, burns, electric shock, etc.



Use specified power supply and voltage.

When charging overseas, use AC Charger designed for overseas use.

Incorrect power supply and voltage may cause fire, burns, electric shock, etc.

AC Charger (sold separately): AC100V (Plug in household AC outlet only)

AC Charger for overseas use: AC100V - 240V (Plug in household AC outlet only)



Clean dusty power plug or USB plug.

Continued use may cause fire, burns, electric shock, etc.



Plug AC Charger (sold separately) firmly into outlet.

Failure to do so may cause fire, burns, electric shock, etc.



Do not remove power plug by pulling on AC Charger (sold separately) cord or otherwise applying excessive force. Instead, hold power plug by connector to remove.

Pulling the AC Charger cord could damage it, possibly leading to fire, burns, electric shock, etc.



Connect/disconnect AC Charger (sold separately) or USB Cable (recommended product sold separately) straight with the terminals without pulling on cord or otherwise applying excessive force.

Failure to do so may cause fire, burns, injury, electric shock, etc.



If terminals are bent or otherwise deformed, stop using AC Charger immediately. Do not fix the deformed shape to use it.

May cause short circuit, resulting in fire, burns, injury, electric shock, etc.



Unplug power cable if you are not going to use it.

If power cable is left plugged in, it may cause fire, burns, injury, electric shock, etc.



If liquid such as water (drinking water, sweat, seawater, urine of pets, etc.) gets on equipment, immediately disconnect the power plug from an outlet.

Liquid on equipment may result in short-circuit causing fire, burns, electric shock, etc.



Disconnect power plug from outlet before cleaning.

Cleaning with power plug connected may cause fire, burns, electric shock, etc.

⚠ CAUTION



Do not touch AC Charger (sold separately) for long periods with it connected to outlet.

May cause burns.

SIM Card

⚠ CAUTION



When handling SIM Cards, be careful of the cut surface so as not to hurt your body parts such as fingers.

Cut surface may be sharp and may cause injury, etc.

SIM Removal Tool

⚠ WARNING



Tip of SIM Removal Tool is pointed. Do not use pointed at yourself or others.

Doing so may allow it to strike yourself or others, causing injuries or loss of sight.

Wi-Fi Router Use & Electronic Medical Equipment

MARNING MARNING



If you are using, or are likely to be around other persons using an implanted pacemaker, implanted defibrillator, or other electronic medical device, carry or use Wi-Fi router at least 15 cm away from where the device is.

Wi-Fi router radio waves may affect the electric medical device. In a situation where you may not be able to maintain a distance of at least 15 cm from other persons, such as when your movement is restricted, disable radio wave emission by powering off Wi-Fi router, etc.



When using electric medical equipment (other than implanted cardiac pacemakers/ defibrillators) outside medical facilities, check with the equipment manufacturer for information about the effects of radio waves.

Wi-Fi router radio waves may affect electric medical equipment.



Follow medical facility rules regarding use of Wi-Fi router in facilities.

Wi-Fi router radio waves may affect electric medical equipment.

General Notes

For Safety

Misuse of Wi-Fi router may cause overheat or breakage of Wi-Fi router, or electric shock, resulting in death or serious injury. Read the following descriptions and "Safety Precautions" for proper use.

Avoid the following usage:

Do not touch terminal with metal objects.
 Do not touch terminal with metal objects such as hairclip.
 May cause fire or malfunction due to short circuit.



 Do not disassemble or modify.
 Do not open cabinet or modify. May cause electric shock or injury. Contact SoftBank for repair.



· Do not apply heat.

Do not put Wi-Fi router in cooking appliances such as a microwave to dry Wi-Fi router. Do not use Wi-Fi router in a location that is subject to high temperatures.



 Do not use products other than specified.
 Use only products such as AC Charger that is specified by SoftBank.



Follow the instructions:

- In aircraft
 When aboard aircraft, use Wi-Fi router appropriately
 according to the instructions of the airline. Wi-Fi signals
 may affect flight safety.
- In hospital
 In a hospital, use Wi-Fi router appropriately according to the instructions of the healthcare facility. Wi-Fi signals may affect medical equipment.

Do Not Disturb Others

Remember consideration for people around you.

- In train or bus
 In a train or bus, use Wi-Fi router appropriately according to the notice.
- In crowded place
 Turn off Wi-Fi router in advance. Wi-Fi signals may affect pacemaker, etc.

General Use

- If your SIM Card or Wi-Fi router (with SIM Card inserted) is lost or stolen, suspend your service immediately. For details, contact Customer Service.
- Wi-Fi router transmissions may be disrupted inside buildings, tunnels, or underground, or when moving into/out of such places. This may affect transmissions.
- · Use Wi-Fi router without disturbing others.
- Wi-Fi routers are radios as stipulated by the Radio Law.
 Under the Radio Law, Wi-Fi routers must be submitted for inspection upon request.
- Wi-Fi router use near landlines, TVs or radios may cause interference.
- Display uses liquid crystal.
 When wearing polarized sunglasses and depending on the angle, the screen may appear dark or distorted.
- An export license may be required to carry Wi-Fi router into other countries if it is to be used by or transferred to another person. However, no such license is required when taking Wi-Fi router abroad for personal use on a vacation or business trip and then bringing it back.
- Export control regulations in the United States provide that an export license granted by the US government is required to carry Wi-Fi router into Cuba, Iran, North Korea, or Syria.
- If Wi-Fi router is used abroad, changing settings according to the law of country is required. For settings, see "Setting Wi-Fi."
- Communication may slow down or may become unavailable due to heavy traffic or under certain circumstances.

Handling

- · User Wi-Fi router within 5℃ 35℃ and 45% 85% humidity.
- · Avoid extreme temperature or direct sunlight.
- Wi-Fi router/Internal Battery may become warm during operation or while charging. This is normal.
- Warranty does not cover malfunctions resulting from misuse.
- · Clean Wi-Fi router with a soft dry cloth. Alcohol/solvent use may fade color/print.
- · Avoid scratching Display.
- Avoid heavy objects or excessive pressure. May cause malfunction or injury.
- Do not sit on Wi-Fi router in back pants pocket.
- Do not place heavy objects on Wi-Fi router inside handbags, packs, etc.
- · Wi-Fi router back cover is not removable. Do not try to remove it; may cause damage or malfunction.
- \cdot Connect only specified products to Jacks. Other devices may malfunction or cause damage.
- · If thunder is audible while outdoors, discontinue use; there is a risk of lightning strike or electric shock.

Internal Battery

- Do not use or store Wi-Fi router in the following conditions, as this may reduce the performance and lifespan of the internal battery.
- Long-term or constant charging
- Repeated shallow charging and discharging when the battery is fully charged
- Charging or storing in extremely hot and humid or cold environments
- Storing in a fully charged state (immediately after charging is complete)
- Storing with no battery level remaining (to the point where Wi-Fi router cannot be turned on)
- The recommended remaining battery level for storage is around 40%.
- Depending on the conditions under which the internal battery is used, it may swell as it approaches the end of its life. There is no safety issue, but improper handling may result in smoke or fire. To ensure peace of mind when using Wi-Fi router, if the internal battery is swollen, contact a SoftBank Shop.
- Internal Battery is a consumable item; may need to be replaced if operating time shortens noticeably. Internal Battery is not user replaceable; its replacement incurs fees and requires Wi-Fi router submission to a SoftBank Shop or other appropriate servicer. For details, see Customer Service or contact a SoftBank Shop.

Lithium Ion Battery

• This product requires a lithium-ion battery. Lithium-ion batteries are recyclable. To recycle a used lithium-ion battery, take it to any shop displaying the recycling symbol.



Li-ion 00



- If Charging/Notification Lamp is blinking, charging is not working properly. Charge using AC Charger (sold separately).
 If charging fails even by using AC Charger (sold separately), see Customer Service or contact a SoftBank Shop.
- · SoftBank Corp. is not liable for problems resulting from charging Wi-Fi router abroad.

Touchscreen

Wi-Fi router Display is Touchscreen.

If Display is wet, wipe it with a soft cloth.

- · Touchscreen may not respond in these situations:
- Use with gloves/long fingernails
- Use of pens, pencils or sharp objects
- Use with objects on/against Display
- Use while wet
- · To prevent malfunctions, do not:
- Touch Display with wet fingers
- Use if Display is wet
- Subject Display to force/pressure
- Place a sticker or shield (commercially-available protective film, privacy protector shield, etc.) on Display
- In the following cases, press Power Key to turn off Display, press Power Key again to turn on Display and then operate Wi-Fi router.
- Wi-Fi router operates automatically without touch input
- Wi-Fi router does not respond to touch input

SIM Removal Tool

- \cdot Do not insert SIM Removal Tool in hole other than removal hole in SIM Card Tray or Reset Button hole.
- May cause malfunction or damage.
- Do not apply excessive force.
 May cause malfunction or damage.
- · Follow local rules regarding collection when disposing.
- Do not use SIM Removal Tool for any purpose other than described in this guide.
- May cause malfunction or damage.
- Do not use SIM Removal Tool in other mobile terminals.
 May cause malfunction or damage to mobile terminal.

Resetting Settings

Settings that are reset cannot be restored. Perform reset operation carefully.

It is recommended that you back up important data beforehand. Log in to Web UI and from "Settings" tab









Technical Regulations Conformity Certification

Wi-Fi router conforms to technical regulations pursuant to the Radio Law and the Telecommunications Business Law. To check technical regulations conformity certification information (e.g., **②**):

Home Screen → About Device

Voluntary Control of Radio Interference

Wi-Fi router conforms to technical regulations pursuant to the Rules for Voluntary Control Measures of VCCI; the corresponding conformity mark is shown on electronic rating plate on Wi-Fi router. To check the electronic rating plate: Home Screen → About Device

Wi-Fi (Wireless LAN)

Wireless LAN (hereafter "Wi-Fi") uses radio waves to enable communication between compatible devices within range. However, it is advisable for the user to configure security settings to avoid risk of data interception.

- · Do not use Wi-Fi near electrical appliances, audiovisual equipment or office automation equipment; may affect Wi-Fi transmission speed, availability, clarity, etc. (Especially when a microwave oven is in use.)
- · If there are multiple access points nearby, Wi-Fi router may not detect access points correctly.
- · To check frequency band information and precautions on Wi-

Home Screen → About Device



■ Precautions

The frequency band utilized by Wi-Fi router is shared with industrial, scientific or medical equipment, including household microwave ovens, and used by radio stations, amateur radio stations, etc. (hereafter "other radio stations"). To avoid interference with other radio equipment, note the following:

- 1. Before using Wi-Fi, visually check that no other radio stations sharing the same frequency band are in use nearby.
- 2. Should interference occur between Wi-Fi router and other radio stations, move it to a different location or disable Wi-Fi
- 3. For additional information and support, contact Customer Service.
- · Frequency Band

This radio station utilizes 2.4 GHz and 5 GHz band.

· 2.4 GHz band

Wi-Fi router uses DS-SS/OFDM modulation. Maximum interference range is 40 m or less.



Channels available with the 2.4 GHz band on Wi-Fi router are between 1 to 13.

· Channels in 5 GHz band

In the 5 GHz frequency band, three channels of $5.2~\mathrm{GHz}/5.3~\mathrm{GHz}/5.6~\mathrm{GHz}$ band (W52/W53/W56) are available.

- W52 (5.2 GHz band / 36, 40, 44, 48 ch)
- W53 (5.3 GHz band / 52, 56, 60, 64 ch)
- W56 (5.6 GHz band / 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140 ch, 144ch)

If your Wi-Fi compatible device cannot use 5 GHz band, set Wi-Fi router setting so that 2.4 GHz band is available.

It is also possible to communicate by connecting via USB using USB Cable (recommended product sold separately) or via wired LAN using Cradle.

Use of 5.2 GHz/5.3 GHz WLAN (W52/W53) outdoors is prohibited by law (except when communicating with an access point/relay station of a 5.2 GHz high-power data communications system).

When W53/W56 in 5 GHz band is used, channel may be automatically changed in order to avoid interference with weather radars. In such a case, communication is temporarily disconnected (DFS function).

- · Available channels vary depending on the country.
- \cdot For use aboard aircraft, contact the airline beforehand.
- · In some countries/regions, Wi-Fi use is restricted. When using Wi-Fi in other countries, check local regulations beforehand.

Open Source Software

· Wi-Fi router contains software based on GNU General Public License (GPL) and other licenses.

To check details of relevant software licenses, see the following website.

https://k-tai.sharp.co.jp/support/developers/oss/ (Japanese)

 \cdot The source code of software based on GPL is provided on the following website free of charge.

https://k-tai.sharp.co.jp/support/developers/oss/ (Japanese)

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Pocket WiFi® 5G A503SH User Guide

August 2025, First Edition SoftBank Corp.

Visit SoftBank Shop for assistance

Model : Pocket WiFi® 5G A503SH Manufacturer : SHARP CORPORATION