809SH User Guide

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Introduction

Before You Begin

Read "クイックスタート (Quick Start)" (Japanese) and "お願いと ご注意 (Safety Precautions)" (Japanese) 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

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 September 2019.

Item	Description
Supported devices	 Devices that can be connected via Wi-Fi Wi-Fi router can be connected with WLAN devices that support WLAN standards IEEE802.11a/n/ac (5 GHz band), and IEEE802.11b/g/n (2.4 GHz band). For operation or operating instructions of Wi-Fi supported devices, contact the manufacturer. Devices that can be connected via USB Supported operating systems are as follows: Windows 10 (32-bit/64 bit) Windows 7 SP1 (32-bit/64 bit) Windows 7 SP1 (32-bit/64 bit) macOS Mojave 10.14.6 (64 bit) macOS Sierra 10.12.6 (64 bit) macOS Sierra 10.12.6 (64 bit) Wi-Fi router is charged while connecting via USB. Devices that can change the Wi-Fi router settings Supported operating systems² are as follows: Windows 10 (32-bit/64 bit) Windows 7 SP1 (32-bit/64 bit) MacOS Mojave 10.14.6 (64 bit) macOS Mojave 10.14.6 (64 bit) macOS High Sierra 10.13.6 (64 bit) macOS Sierra 10.12.6 (64 bit) macOS Sierra 10.12.6 (64 bit) MarcOS Sierra 10.12.6 (64 bit) Android³ iOS³
Interface	USB2.0 or later

Introduction

Windows

Windows 7 SP1/32 bit and 64 bit:
Microsoft Internet Explorer 11 or later
Windows 8.1/32 bit and 64 bit:
Microsoft Internet Explorer 11 or later
Windows 10/32 bit and 64 bit:
Microsoft Edge 44 or later, Microsoft
Internet Explorer 11 or later

Compatible Browser⁴

• Google Chrome™ 43 or later ■ Mac

- · Safari 9.0 or later
- · Google Chrome 43 or later
- Android[™] Devices
- · Google Chrome 43 or later
- iPhone/iPod touch/iPad
- Safari 9.0 or later
- 1 Windows RT is not supported.
- 2 Japanese edition operating systems are supported. Operations with upgraded OS or under an added or modified environment are not guaranteed.
- 3 Not all the menu items/setting items can be operated. To show all the items, tap "PC View" tab. For details, see "Switching to PC Web UI."
- 4 Even on the supported versions of Microsoft Internet Explorer or Microsoft Edge, display may be corrupted if document mode is old. If corruption happens, check that the document mode is latest.

Package Contents

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

Keep accessories in a safe place.

AC Charger is not supplied. Purchase AC Charger (optional).

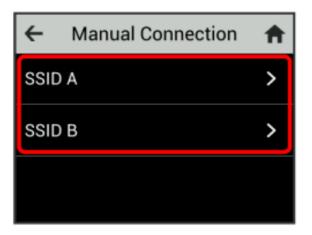
- 809SH (Main unit)
- \cdot SIM Removal Tool (Complimentary sample)
- ・クイックスタート (Japanese)
- ・お願いとご注意 (Japanese)
- \cdot Label for WLAN Initial Setting

SSID and Password (Security Key)

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

1

In Home Screen, Wi-Fi Guide → Manual Connection → SSID A / SSID B



🟁 SSID and password (Security Key) appear.

- Two SSIDs are set to Wi-Fi router. By default, a WPA2 key is set for both SSID A/SSID B.
- For greater security, use WPA/WPA2. However, some game consoles do not support WPA/WPA2.
- Alternatively, see label for WLAN Initial Setting to check default SSID and password (Security Key).

Getting Started

- 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.
- Wi-Fi router locks the screen and disconnects communication when high temperature is detected. Screen lock is automatically canceled when high temperature state is resolved.

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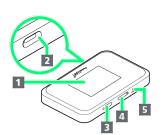
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Parts & Functions

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, AC Charger (optional) and Cradle (optional). Also use to supply power to other devices (Mobile Charge).
3 Power Key	Turn power and Display on/off.
4 SIM Card Tray	Install SIM Card.
5 Reset Button	Long Press with a pointed object YES to reset Wi-Fi router to factory defaults.

Cradle (Optional) and USB Cable (Optional)

LAN Cable Connection to PC

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

USB Connection to PC

Connect Wi-Fi router and PC using USB3.0 Cable A to C (optional) to charge, perform data communication, and use Web UI. For details, see USB3.0 Cable A to C (optional) user guide.

Mobile Charge

Connect USB Conversion Cable C to A (optional) and USB3.0 Cable A to C (optional) to supply power (Mobile Charge) to smartphones, etc. For details, see USB Conversion Cable C to A (optional) and USB3.0 Cable A to C 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.
- \cdot 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		
1 UMB Data Usage Wi-Fi Guide	ank (100%) 3 Client List Notifications Mobile Charge Settings 5	
2 About Device	>>>>	
Part	Description	
 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 Status Bar	Status Indicators for communication status and notification appear.	
4 Touch Menu	Touch Menu icons for various functions. Use them by tapping.	
5 Page Indicator	Home Screen has two pages of icons. Indicates the page position.	

Status Indicators

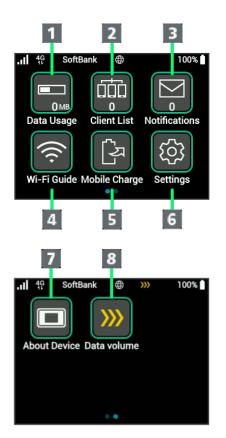
lcon	Description
 1	Mobile network connected (signal strong)
	Mobile network connected (signal weak)
, _I] оит	No signal
4G / LTE / 3G	Network name
SoftBank	Network operators name
\oplus	Mobile networks connected
ß	Mobile networks not connected
Ð	Software downloading
0	Battery level full
	Battery level low
	Battery level insufficient
7	Charging
	Unread notifications
DFS ²	Check radio interference to the weather radar, etc.
>>>> 3	Notice of slow-speed communication (when under an individual subscription)
>>> 4	Start of slow-speed communication (when under an individual subscription)
₩ 4	End of slow-speed communication (when under an individual subscription)
ß	Power supplying

1 R mark appears during international roaming.

- 2 Appears when the wireless communication standard is set to 5 GHz.
- 3 Appears when the amount of data remaining reaches specified value which starts slow-speed communication.
- 4 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 Data Usage	Show mobile network data usage, maximum traffic, Auto Reset Date, etc.	
2 Client List	Show number of connected devices.	
3 Notifications	Check and delete received notifications; number of unread notifications is shown. ¹	
4 Wi-Fi Guide	Show and set QR Code, WPS connection, and SSID and password (Security Key) for Wi-Fi router.	
5 Mobile Charge	Supply power to smartphones, etc. (Mobile Charge).	
6 Settings	Make settings for mobile network, Wi-Fi Network, Lock Screen PIN for unlocking screen, Display Brightness, Display Timeout, language/time, software update, Sleep mode, USB mode, and quick startup, check Web UI URL, QR code, and Battery status, or delete notification icons.	
7 About Device	Show Wi-Fi router's phone number, software version, etc.	

8

Limitation (When under an individual subscription) Appears when the amount of data remaining approaches specified value where slow-speed communication starts, or when slow-speed communication starts. Make a request for setting to normal speed or make a reservation/cancellation to maintain the normal speed.

1 🗹 (Unread notification) appears on top in Lock Screen.

 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).
- \cdot In Sleep mode, WLAN is disabled.
- Press Power Key to turn Display on and release Sleep mode. After Sleep mode is released, WLAN function is 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 mode.
- 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."

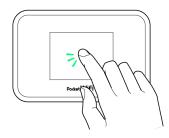
Using Touchscreen

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

• Tap

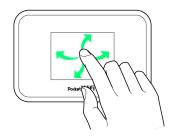
L

Contact Display lightly and briefly.



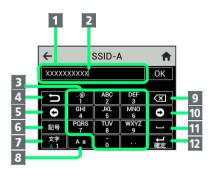
\cdot Flick

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



Text Entry Window

Use onscreen keyboards for text entry.



11

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
7 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 ______five times.

• Example: For "c," Tap _____ six times.

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

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

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

Example: For "ca," Tap ^{A80}/₂ six times → Tap
 Tap ^{A80}/₂ four times.

To toggle uppercase and lowercase for entered character, Tap .

To enter symbols such as "#" or "/," Tap . Tap to show all symbols that can be entered. return to the original screen.

Notifications of Data Usage

Notifications of Data Usage

Depending on the amount of data usage, the communication speed becomes slower.

When Wi-Fi router is under an individual subscription, Wi-Fi router makes advance notice or notification of start of slowspeed communication using pop-up window or icon. When Wi-Fi router is under a corporate subscription, Wi-Fi router makes notification of start of slow-speed communication by 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 slow- speed communication starts, Notification is updated, Wi-Fi router shows pop-up window or <i>modeling</i> 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 slow-speed communication	When slow-speed communication ends, Notification is updated and <u></u> appears 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/

1

- \cdot Always keep the IC (gold) chip clean.
- \cdot Wipe clean with a dry, soft cloth.
- \cdot 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.
- SIM Card is the property of SoftBank Corp.
- \cdot 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.
- \cdot 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 installing/ removing SIM Card.

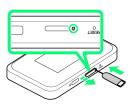
Installing SIM Card

Always power off beforehand.

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

1

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



13

· Press firmly and straight until SIM Card Tray ejects.



Pull out SIM Card Tray



- With Display upward, 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.

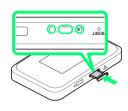


Set SIM Card in SIM Card Tray



- 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 on its edge may cause damage.

Insert Card Tray in SIM Card Slot



🏁 SIM Card is inserted.

- \cdot Do not insert SIM Card Tray upside down.
- \cdot Insert gently all the way horizontally in direction shown by arrow.
- \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.

1

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



- With Display upward, 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.



Remove SIM Card



Insert Card Tray in SIM Card Slot



SIM Card is removed.

- \cdot Do not insert SIM Card Tray upside down.
- Insert gently all the way horizontally in direction shown by arrow.
- Push SIM Card Tray firmly where circled (O) 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 and AC Charger (optional) in temperatures between 5° C - 35° C.

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

Use Supplied Accessories or Optional Accessories

Always charge with supplied USB Cable connected to computer or with an AC Charger (optional).

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

Wi-Fi router and AC Charger (optional) 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.

Connecting USB Cable

Confirm that orientation of USB Cable plugs is correct. Connecting in wrong orientation may cause damage or malfunction.

Display while Charging

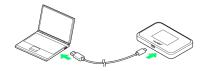
Even when power is off, Press Power Key to show animation and battery level.

Using USB (Computer)

Use USB3.0 Cable A to C (SHDHE1) (optional) for charging.

- \cdot Make sure to power on computer before charging.
- Depending on computer connection environment, charging may fail.

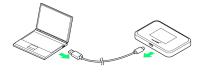
Insert USB Type-C plug of USB3.0 Cable A to C into USB Type-C port of Wi-Fi router, and insert USB3.0 Standard-A plug of USB3.0 Cable into a computer



• When connecting Wi-Fi router to a computer for the first time, driver software is automatically installed.

2

When complete, remove USB3.0 Cable A to C from computer and Wi-Fi router $% \left({{{\rm{C}}_{{\rm{F}}}} \right)$



🏁 Check battery level on Display.

📙 Charging with Computer

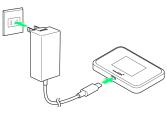
Charging takes longer than with AC Charger (optional). Time required depends on the connected computer.

Charging with AC Charger

AC Charger is an optional accessory. Always use AC Charger specified by SoftBank (for USB PD, USB Type-C quick charge AC Charger [ZSDBAS] (SB-AC20-TCPD)).

This section describes charging method using AC Charger [ZSDBAS].

 \cdot See AC Charger (optional) user guide.



1

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



2

Raise plug on AC Charger (optional) and insert it into AC outlet

🏁 Charging starts.



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

🏁 Charging ends.

Charging Mobile Phones or Smartphones

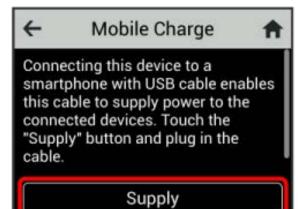
Use Wi-Fi router as a mobile battery. Use USB Conversion Cable C to A (female) (SHDHE2) (optional) and USB3.0 Cable A to C (SHDHE1) (optional).

To change setting for Mobile Charge, see "Setting Power Supply Function."



1

Mobile Charge ラ Supply



2

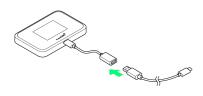
Insert USB Type-C plug of USB Conversion Cable C to A (female) into USB Type-C port of Wi-Fi router



 \cdot Connect the plug so that it is parallel to USB Type-C port of Wi-Fi router.

3

Connect USB3.0 Standard-A socket (female) of USB Conversion Cable C to A and USB3.0 Standard-A plug (male) of USB3.0 Cable A to C



• Check the shape and orientation of the plug end, and connect the plug so that the plug is parallel to the socket.

4

Insert USB Type-C plug of USB 3.0 Cable A to C into USB Type-C port of mobile phone or smartphone



17

 Connect the plug so that it is parallel to USB Type-C port of mobile phone or smartphone.

5

When complete, remove USB Cable from charged device and Wi-Fi router

🏁 Charging ends.

Supplying Power to Mobile Phones or Smartphones

Power Supply Conditions

At least 30% battery must be remaining for supplying power.

Power supply stops when battery level decreases to the level below the level specified in "Battery capacity to stop supplying" (50% or 30%) in "Mobile Charge" setting on Wi-Fi router. To resume power supply, remove USB Cable from device to be charged and Wi-Fi router, charge Wi-Fi router to the batter level more than the level specified in "Battery capacity to stop supplying" in "Mobile Charge" setting. For "Battery capacity to stop supplying" setting, see "Setting Power Supply Function."

If power supply fails even when battery level is 50% or 30% or more, restart Wi-Fi router and try again. Wi-Fi router cannot charge mobile phones or smartphone while Wi-Fi router is charged by AC Charger (optional) or USB Cable.

Wi-Fi Router Becoming Warm/Hot

Wi-Fi router may become warm while supplying power. This is not a malfunction. However, stop using them immediately if they become extremely hot; they may be malfunctioning.

Connecting USB Cable

Confirm that orientation of USB Cable plugs is correct. Connecting in wrong orientation may cause damage or malfunction.

Cancellation of Power Supply by Protective Function

If current that exceeds the current that Wi-Fi router supplies (1A) is requested by mobile phone or smartphone, power supply function may be disabled by protective function of Wi-Fi router.

Power On/Off

Powering On

1

Power Key (Long Press)

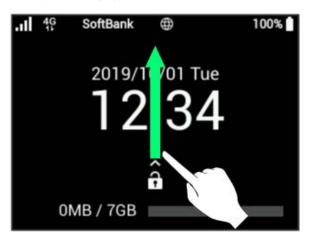


Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the Internet.

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

2

Flick upward 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
_	

1

Power Key (Long Press)



-		
	-	
	~	

Power off

Since Fast Boot is on, this will consume a little bit of power while the power is OFF, but device can start up more quickly. Power Off?

Cancel Power off Reboot

🏁 Power is off.

Connecting with WLAN

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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 10 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 10 devices, and one USB connection which totals 11 devices.

Automatic Updates for Optimizing Wi-Fi Connection

When connected by Wi-Fi, settings for optimizing the connection are sometimes automatically received/updated.

Cautions for WLAN Usage

Security

For added security, change default SSID (network name) and password (Security Key: WPA Key or WEP 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 standards. Connect WLAN devices (computer, etc.) via WLAN for wireless data transfers.

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 or WEP Key) to connect non-WPScompatible WLAN devices.

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

Activating WLAN Function

Power on to connect to the Internet automatically.

Connecting to 4G/LTE/3G



Power Key (Long Press)



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.

Connecting Windows PC

Connect a Windows PC to connect to the Internet.

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

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

Default SSID is shown in alphanumerics with a leading "809SHa-" or "809SHb-."

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 10

This section describes setup operations with screenshots and steps for "SSID" using "WPA2" encryption method on Windows 10.

1

Power Key (Long Press)



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

Activate PC WLAN function

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

3

In task tray, click 🏻 🌋

🏁 "Network settings" appears.

4



5

Enter password (Security Key) \supset Next

(k.	809SH a -XXXXXX Secured	
	Enter the network secur	ity key
	•••••	ି
	You can also connect by the router.	pushing the button on
	Next	Cancel

• Confirmation message for sharing PC may appear; do not set it. For sharing PC, see Windows Help.

Windows 8.1

This section describes setup operations with screenshots and steps using "WPA2" encryption method on Windows 8.1.

1

Power Key (Long Press)



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

Activate PC WLAN function

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

3

Move pointer to upper right or lower right (for touchscreen, Swipe from right end) ⇒ In Charm, 🔯 ⇒ 🎽



4

5

Select Wi-Fi router's "SSID" (Connect)

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

Enter password (Security Key) 🔶 Next



• Confirmation message for sharing PC may appear; do not set it. For sharing PC, see Windows Help.

Windows 7

This section describes setup operations with screenshots and steps using "WPA2" encryption method on Windows 7.

1

Power Key (Long Press)



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

Activate PC WLAN function

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







Connect to a network



5

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



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

6

Enter password (Security Key) 🔿 🛛 🛛



If connection is successful, WLAN connection counter number on Display increases by one (e.g. $\overline{\mathbb{M}} \ominus \overline{\mathbb{M}}$).

Connecting Mac

Connect a Mac to connect to the Internet.

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

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

Default SSID is shown in alphanumerics with a leading "809SHa-" or "809SHb-."

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" encryption method on macOS Mojave 10.14.6.

1

Power Key (Long Press)



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.



3

(Wi-Fi) 🔶 (Turn Wi-Fi On

Locatio	n: Automatic		
Bluetooth PAN Not Connected USB 10/00 LAN	Status: Off	C	urn Wi-Fi On
Wir-Fi	A A N	-FI: Off utomatically join this ksk to join new networ nown networks will be join o known networks are avail o manually select a network	ks d automatically. If able, you will have
+ - &-	☑ Show Wi-Fi status in me	enu bar	Advanced

🥦 WLAN function on Mac is enabled.

4

In "Network Name" pulldown list, select Wi-Fi router's "SSID"

••• <> ==	Network	Q Search
Loc	ation: Automatic	٥
Wi-Fi On Bluetooth PAN Not Connected UPD 10/ 00 LAN	a netwo	
USB 10/00 LAN Not Connected		twork selected He XXXXX 章令 中心。令令令
+ - *	979	ې د د د د د د د د د د د د د د د د د د د

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

5

Enter Security Key in "Password" 🔿 Join

(((•	The Wi-Fi network "809SHa-XXXXXX" requires a WPA2 password.				
	Password: •••••• Show password Remember this network				
?	Cancel Join				

If connection is successful, WLAN connection counter number on Display increases by one (e.g. m ⊖ m).

Connecting iPhone/iPad

Connect an iPhone/iPad to connect to the Internet.

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

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

Default SSID is shown in alphanumerics with a leading "809SHa-" or "809SHb-."

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" encryption method on iOS 12 running on iPhone.

1

Power Key (Long Press)



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

Settings

Airplane Mode

Wi-Fi
Off
Bluetooth
On
Cellular
Cellular
Personal Hotspot
Off
Notifications
Sounds
Do Not Disturb
Not Disturb

3

Turn on Wi-Fi



WLAN function on iPhone is enabled.

4

In "CHOOSE A NETWORK..." list, Tap Wi-Fi router's "SSID"

Settings Wi-Fi	
Wi-Fi	
CHOOSE A NETWORK	
809SHa-XXXXXX	₽ ╤ (Ì)
1882-007 Dilloca	₽ \$ (j)
10000	ê 🗢 🚺
Accessing with the	ê ╤ (j)
where the second second	a ≎ (j)
0.004-0.004-0.0	a

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

5

Enter password (Security Key) in "Password" or Join Enter the password for "809SHa-XXXXX" Cancel Enter Password Join Password ••••••• You can also access this WI-Fi network by bringing your Phone near any iPhone, iPad, or Mac which has connected to this network and has you in their contacts. P as d f g h j k l C x c v b n m C .7123 space Join

If connection is successful, WLAN connection counter number on Display increases by one (e.g. $\mathbf{m} \diamondsuit \mathbf{m}$).

iPad

This section describes setup operations with screenshots and steps using "WPA2" encryption method on iOS 12 running on iPad.



Power Key (Long Press)



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

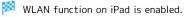
Settings ଚ Wi-Fi

	Settings		Wi-Fi	
	Airplane Mode	0	Wi-Fi	0
1	Wi-Fi	Off	AirDrop, AirPlay, and location services require Wi-	FI.
8	Bluetooth	On		
•	Notifications			
48	Sounds			
C	Do Not Disturb			
8	Screen Time			
0	General			
8	Control Center			
AА	Display & Brightness			
*	Wallpaper			
8	Siri & Search			
۲	Touch ID & Passcode			
	Battery			
0	Privacy			
	iTunes & App Store			
-	Wallet & Apple Pay			
0				



Turn on Wi-Fi

	Settings		Wi-Fi
≻	Airplane Mode		Wi-Fi
÷		Off	AirDrop, AirPlay, and location services require Wi-Fi.
\$	Bluetooth	On	
	Notifications		
48	Sounds		
C	Do Not Disturb		
8	Screen Time		
0	General		
2	Control Center		
AА	Display & Brightness		
۲	Wallpaper		
8	Siri & Search		
	Touch ID & Passcode		
	Battery		
۲	Privacy		
A	iTunes & App Store		
-	Wallet & Apple Pay		



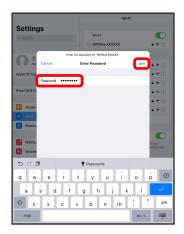
In "CHOOSE A NETWORK..." list, Tap Wi-Fi router's "SSID"

	Settings	Wi-Fi
≻	Airplane Mode	wi-Fi
Ŷ	Wi-Fi Not Connected	CHOOSE & NETWORK
\$	Bluetooth On	8095Ha-XXXXXXX a 🕈 🔿 🕕
		lugium adartiti a 🗢 🕕
	Notifications	taginarint atomis a 🗢 🕕
48	Sounds	
C	Do Not Disturb	prets.act.com
8	Screen Time	Other
_		
0	General	Ask to Join Networks
8	Control Center	Known networks will be joined automatically. If no known networks are available, you will be asked before joining a new
٨A	Display & Brightness	network.
*	Wallpaper	
e.	Siri & Search	
8	Touch ID & Passcode	
	Battery	
ŧ,	Privacy	
4	iTunes & App Store	
-	Wallet & Apple Pay	
_		
GI.	Passwords & Accounts	

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

5

Enter password (Security Key) in "Password" \Rightarrow Join



If connection is successful, WLAN connection counter number on Display increases by one (e.g. $\mathbf{m} \diamondsuit \mathbf{m}$).

Connecting iOS Device using QR Code

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

1

Power Key (Long Press)



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

Wi-Fi Guide) ⋺ QR Code Connection)

Wi-Fi Guide	A
e Connection	>
	>
Connection	>
	e Connection

3

Activate iOS device ラ Activate Camera

4

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

5

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

If connection is successful, WLAN connection counter number on Display increases by one (e.g. $\mathbf{m} \diamond \mathbf{m}$).

🖉 Reading QR Code

Operating requirements of QR code connection are as follows:

- iOS 11 or later

Connecting Android Devices

Connect a general Android device to connect to the Internet.

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

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

Default SSID is shown in alphanumerics with a leading "809SHa-" or "809SHb-."

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" encryption method on Android 9. Some operations and screenshots vary by security method. Operation steps vary by Android device. For details, see Android device user guide.

1

Power Key (Long Press)



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

Activate Android device 🔿 In menu, Settings 🔿 Wi-Fi



Turn on Wi-Fi

WLAN function on Android device is enabled.

Connecting with WLAN

4

Tap Wi-Fi router's "SSID"



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

5

Enter password (Security Key) in "Password" 🔶 Connect

← Wi-F	i		٩	0
809SH	a-XXXXXX			
Password				
				1
Advanced	password			
Advanced	options			
-	-	Cancel	Connect	J

If connection is successful, WLAN connection counter number on Display increases by one (e.g. $\overline{\mathbb{M}} \diamondsuit$

Connecting Android Device using QR Code

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

1

Power Key (Long Press)

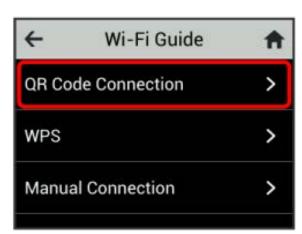


Lock Screen appears and WLAN function is enabled when powered on. Wi-Fi router automatically connects to the Internet.

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

2

(Wi-Fi Guide) 🔿 (QR Code Connection)



3

Activate Android device ଚ 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

🖉 QR Code Application

Use a QR code application, including "お父さんQR", etc. Install it on an Android device before reading. Operating requirements of QR code connection are as follows:

- Android 4.0.3 or later (using お父さんQR)

Connecting Wi-Fi Compatible Devices

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

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

Default SSID is shown in alphanumerics with a leading "809SHa-" or "809SHb-."

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 "WPA/WPA2" encryption method. Some operations vary by encryption method. For details, see the user guide of the Wi-Fi compatible devices to be connected.

1

Power Key (Long Press)



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

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

3

Search for access points via Wi-Fi compatible devices

4

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

5

Enter password (Security Key) \bigcirc Save settings

If connection is successful, WLAN connection counter number on Display increases by one (e.g. $\overline{\mathbb{M}}$ \bigcirc $\overline{\mathbb{M}}$).

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 Method

When Security is set to WEP, connecting WLAN device by WPS is not available.

WPS Supported WLAN Device

1

Power Key (Long Press)



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.

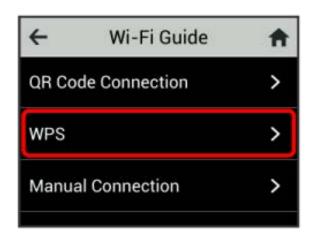
2

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.



(Wi-Fi Guide) ଚ (WPS)



4

Start WPS



5

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



6

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

Connecting with USB Cable (Windows)

JSB Connection with a Windows PC	34
Device Recognition/Removal on Windows PC	34
nstalling/Uninstalling Driver (Windows)	35

USB Connection with a Windows PC

Overview

Wi-Fi router automatically connects to the Internet when powered on. Connect with PC via USB Cable to enable data communication.

Device Recognition/Removal on Windows PC

Device Recognition (Windows)

Upon connecting the first time, the device driver is installed automatically.

1

Power on PC



Insert USB Cable 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)

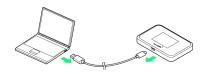
· Complete any data uploads/downloads, etc. before removing Wi-Fi router.

1

Check that any data uploading/downloading is completed

2

Remove Wi-Fi router



Removal is complete.

Standby/Hibernation

restarting PC.

Web UI

Notes on Removal

Wi-Fi router during transmissions.

Wi-Fi router may malfunction if PC enters standby

(suspend/resume) or hibernation with it connected. Be sure

etc. Wi-Fi router may malfunction if connected before Mac

Exit Web UI before removing Wi-Fi router. Do not remove

to remove Wi-Fi router before leaving a PC unattended,

starts/restarts. Remove Wi-Fi router before starting/

Installing/Uninstalling Driver (Windows)

Cautions for Installation/Uninstallation

Removal of Wi-Fi Router

Do not remove Wi-Fi router during installation/ uninstallation. May cause installation/uninstallation failure, system malfunction or other system errors.

Administrator Privileges

Log in to an account with administrator privileges.

Installation and Uninstallation

Upon connecting the first time, the device driver on PC is installed automatically. Manual installation/uninstallation is not required.

🖗 Network Setting

When Wi-Fi router is connected to a computer for the first time, set whether to share the computer on network (Home/Work/Public etc.).

Click network icon on task tray → Click connected network → Click network on Ethernet screen → Follow the onscreen instructions to configure network profile

• When a popup screen appears after connecting Wi-Fi router to computer, follow the onscreen instructions.

פרנווק שונה ססם כמסו

Connecting with USB Cable (Mac)

USB Connection with Mac	38
Device Recognition/Removal on Mac	38
Installing/Uninstalling Driver (Mac)	39

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 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. Do not remove Wi-Fi router during transmissions.

Device Recognition (Mac)

1

Power on Mac

2

Connect USB Type-C plug 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



Remove Wi-Fi router from Mac

🏁 Removal is complete.

Installing/Uninstalling Driver (Mac)

Installation and Uninstallation

L

Upon connecting the first time, the device driver on Mac is installed automatically. Manual installation/uninstallation is not required.

Settings (Using Router Touch Menu)

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Showing/Setting Data Usage	42
Checking Information of Devices Connected to Wi-Fi	
Router	46
Checking Notifications	46
Setting SSID and Authentication Method	.49
Setting Power Supply Function	53
Other Settings	53
Checking Wi-Fi Router Information	68
Operation for Setting Data Traffic	69

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."

Showing/Setting Data Usage

Set to show/hide data traffic volume for mobile network. Also 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.

Checking Data Traffic Volume

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

1

Data Usage



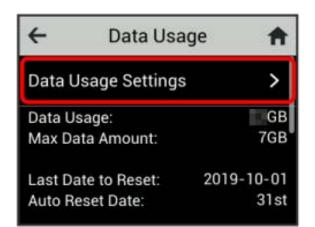
Show accumulated data traffic at the moment from start of use or reset.

Data Usage



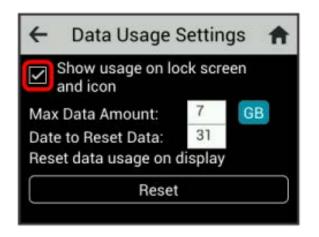
2

Data Usage settings



3

Checkmark "Show usage on lock screen and icon"



[🏁] Setting is modified.

Setting Maximum Traffic

Set monthly data traffic volume. When data traffic volume exceeds the set volume, notification appears with icon, etc.

- When data traffic volume is set to appear on Home Screen,
 (bar icon) appears. When data traffic volume exceeds the set maximum volume, data traffic icon changes to (red bar icon).
- Maximum traffic does not mean a limit on data communication. Use this volume as a measure of usage.

1

(Data Usage)



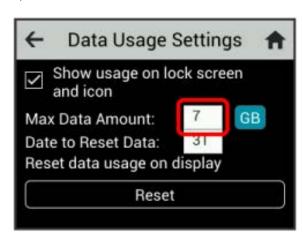
2

Data Usage settings

←	Data Usa	ge 🔒
Data L	lsage Settings	>
Data U Max Da	sage: ata Amount:	GB 7GB
	ate to Reset: eset Date:	2019-10-01 31st

[•] Data traffic volume appears on 🚍 (bar icon) with threedigit numbers with decimal places rounded off.

Tap number in "Max Data Amount"



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

4

Enter number for maximum traffic 😔 🛛 🔿



🏁 Maximum traffic is set.

• Enter value number between 1 and 999.

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.

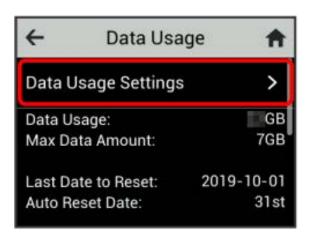
1

Data Usage



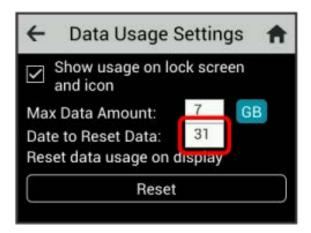
2

Data Usage settings



3

Tap number in "Date to Reset Data"



Enter day for auto reset date 🔿 🔿

←	Data	Usag	je Set	tings	A
Date to	Reset	Data:			
	3	1		ОК	
1	2	3	4	5	$\overline{\mathbf{X}}$
6	7	8	9	0	

🏁 Auto reset date is set.

- \cdot Enter value number between 1 and 31.
- \cdot If 31 is set, data usage is reset at the end of the month.

Resetting Data Traffic

Reset shown data usage.

1

Data Usage



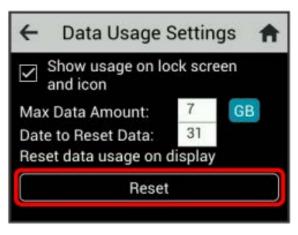
2

Data Usage settings

←	Data Usa	age 🔒
Data L	Jsage Settings	s >
Data U	sage:	GB
Max Da	ata Amount:	7GB
Last Da	ate to Reset:	2019-10-01
Auto R	eset Date:	31st

3

Reset



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



MAC address and IP address for devices connected to Wi-Fi router are shown.

Checking Notifications

Wi-Fi router receives available notifications.

Checking Notifications

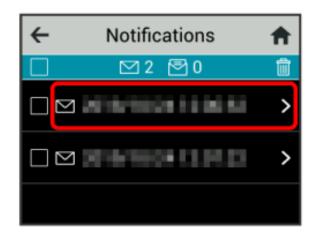
1

Notifications



2

Tap Notification to delete



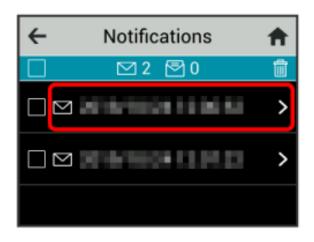
🏁 Check notification.

Notifications



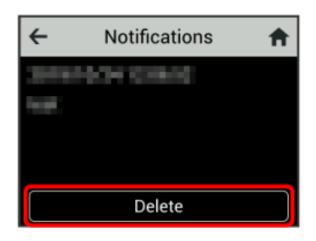
2

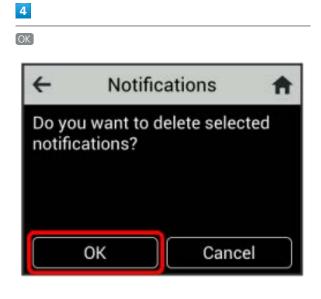
Tap notification to delete



3

Delete





Notification is deleted.

Selecting and Deleting Notifications

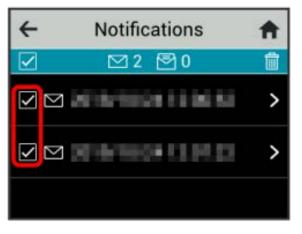
1

Notifications



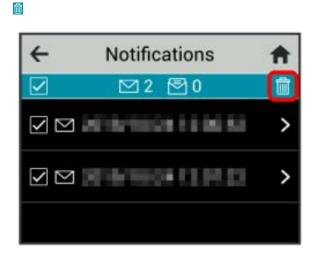
2

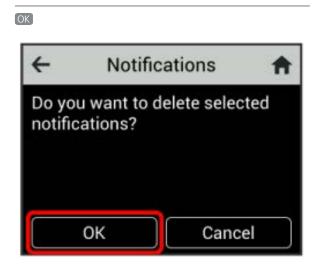
Checkmark notifications to delete



· Checkmark checkbox at top of screen to select all.

3





Selected notifications are deleted.

4

Setting SSID and Authentication Method

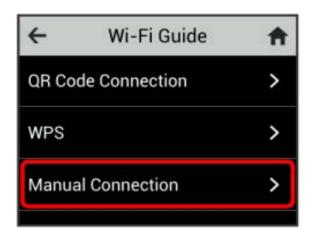
Set Wi-Fi router's SSID (network name), password (Security Key: WPA key or WEP key), authentication method and encryption method for WLAN connection. Also, enable/disable Multi SSID (SSID B) for using two SSIDs.

Setting SSID and Password (Security Key)

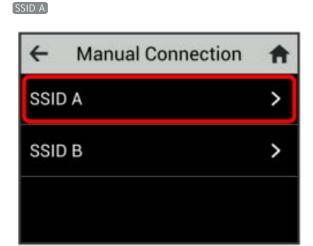


2

Manual Connection

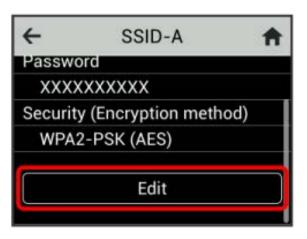


3



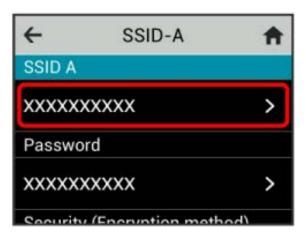
4

Edit



5

Tap SSID

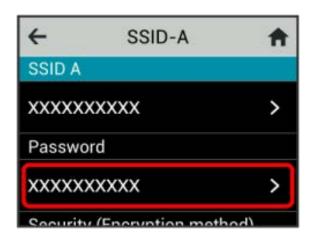


Enter SSID 🔿 OK



7

Tap password



8

Enter password 🔿 🛛

←		SSID-/	4	A
XXXXX	xxxxx			OK
IJ	·@ 1	ABC 2	DEF 3	\mathbf{X}
0	GHI 4	JKL 5	MNO 6	0
記号	PQRS 7	TUV 8	WXYZ 9	<u>с</u>
文字	A a	-		て確定

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.

 \cdot Authentication Method

Item	Description
Open	Authentication is not performed.
WEP	Authentication is performed using WEP key.
WPA2-PSK (AES)	Authentication is performed using WPA key.
WPA/WPA2- PSK (AES/ TKIP)	Authentication is performed using WPA key.

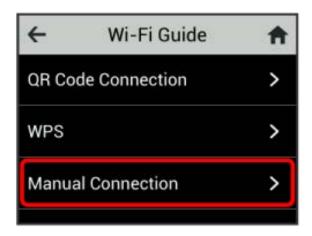
1

Wi-Fi Guide

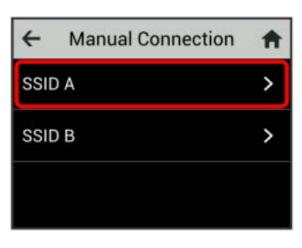


2

Manual Connection



(SSID A)



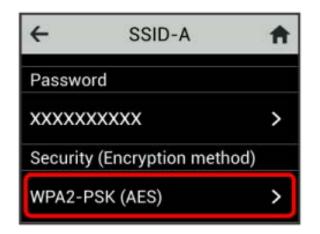
4

Edit

SSID-A	f
rd	2001
XXXXXX	
(Encryption meth	nod)
Edit	0
Edit	
	SSID-A rd XXXXXX (Encryption meth -PSK (AES) Edit

5

Tap authentication method



6

Tap button of authentication method to set

f
۲

🏁 Setting is modified.

 Notification informing that password (Security Key) needs changing appears depending on selected authentication method. Tap OK and enter password (Security Key) on password (Security Key) entry screen.

Enabling Multi SSID (SSID B) Function

Set Multi SSID (SSID B) to ON and make basic WLAN settings for SSID B.

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

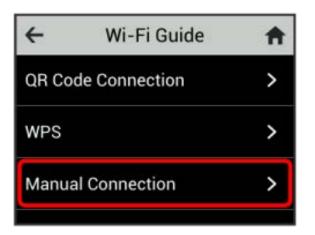


Wi-Fi Guide



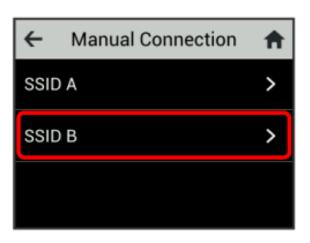
2

Manual Connection



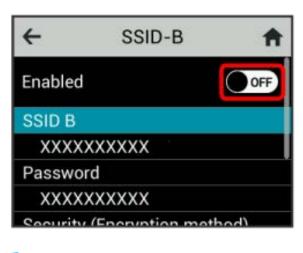
3

SSID B



4

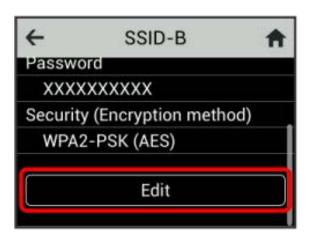
OFF for "Enabled"



🏁 SSID B is set to 🛛 .

5

Edit



6

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

←	SSID-B	f
SSID B		
xxxxx	xxxxx	>
Passwo	ord	
xxxxx	xxxxx	>
Convit	(Coordian math	a d'i

🟁 SSID B is available.

• For authentication methods, see "Setting SSID and Authentication Method."

Set minimum battery level on which power supply to another device is stopped when using Wi-Fi router as a mobile battery.

Setting Power Supply Function

1

Mobile Charge



Battery level is set on which power supply is stopped.

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 mobile network.





2

Mobile Network

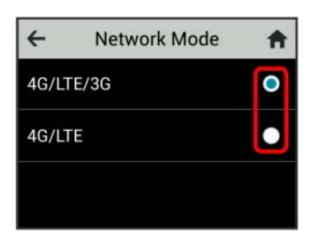
÷	Settings	A
Mobile	Network	>
Wi-Fi S	ettings	>
Screen	Lock	>

Network Mode

← Mobile Network
 ♠
 Network Mode
 >
 APN Profile Selection
 >
 International Roaming
 >

4

Tap button of mode to set



🏁 Network mode is set.

Setting APN Profile

Select APN profile.

 · [法人]閉域網契約専用APN 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/.

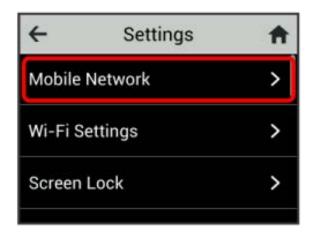
1

Settings

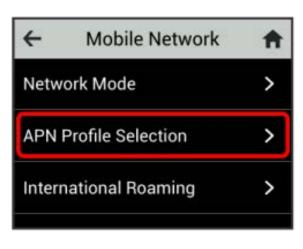


2

Mobile Network



APN Profile Selection



4

Tap button of APN profile to set



🏁 APN profile is set.

International Roaming

Enable International data roaming.

1

Settings



2

 Mobile Network
 Settings

 Mobile Network
 >

 Wi-Fi Settings
 >

 Screen Lock
 >

3

International Roaming

←	Mobile Network	A
Netw	ork Mode	>
APN	Profile Selection	>
Interr	national Roaming	>

OFF on "Setting"



International Roaming is set to ON and roaming overseas is available.

 \cdot Note that charges may be expensive when used overseas.

Setting Wi-Fi ON/OFF

Switch ON/OFF of Wi-Fi. Only USB connection is available when set to OFF.

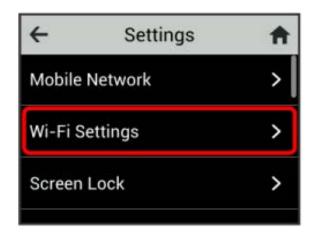
1

Settings



2

Wi-Fi Settings



3

ON for "Wi-Fi"



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.

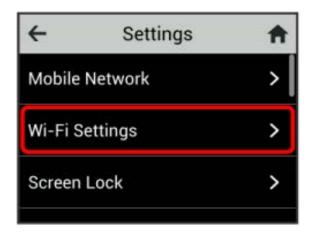
1

Settings



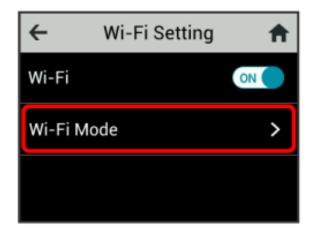
2

Wi-Fi Settings



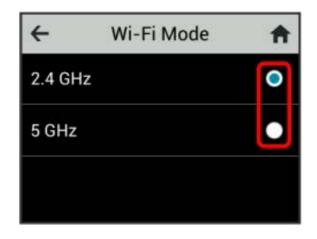
3

Wi-Fi Mode



4

Tap button of communication standard to set



🏁 The desired Wi-Fi communication standard is set.

Set password entry for unlocking the screen.

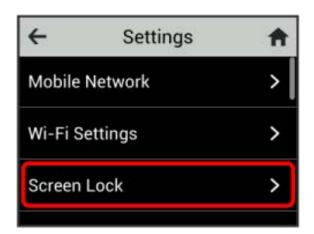
1

[Settings]



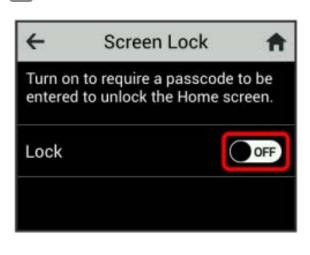
2

Screen Lock



3

OFF on "Lock"



🏁 "Lock" is set to 🛛 .

4

Enter four-digit password 🔿 🔀



5

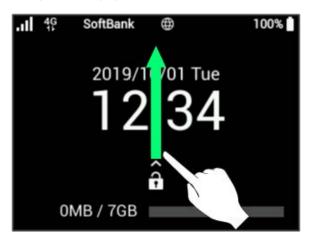
Re-enter four-digit password 🔿 🔀

←	S	Scree	n Loc	k	A
Confirm	n passo	code			
·	•	•		ок	
1	2	3	4	5	$\langle X \rangle$
6	7	8	9	0	

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.

Flick upward on Display



2

Enter four-digit password 🔿 🛛

	S	cree	n Loc	k	
Enter F	assco	le			
	•	•		ОК	
1	2	3	4	5	$\overline{\mathbf{X}}$
6	7	8	9	0	

🏁 Home Screen appears.

- \cdot 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.

1

Settings

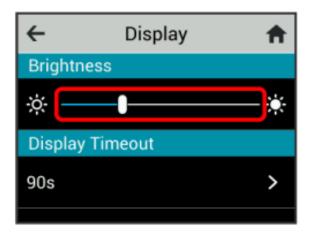


2



3

Tap the bar on the position of brightness to set



Display brightness changes to desired brightness.

 \cdot Display Brightness has 10 levels.

Changing Backlight Time

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

1

Settings



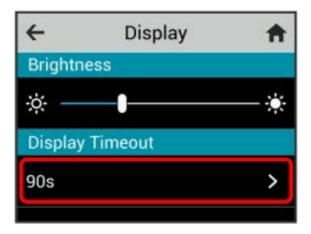
2

Display



3

Tap number of seconds for "Display Timeout"

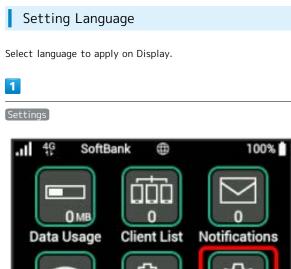


4

Tap button of seconds to set

←	Display Timeout	A
15s		
30s		•
60s		•
		لسا

🏁 Display Timeout changes to desired seconds.



Wi-Fi Guide Mobile Charge

Settings

2

言語設定



3

Tap button of language to set



🏁 The desired language is set.

Setting Time

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

1





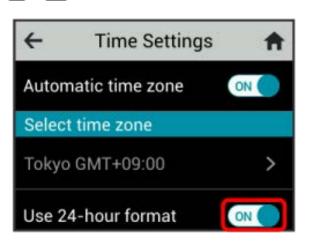
2

Time Settings



61

ON / OFF on "Use 24-hour format"



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

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

Updating Software

Update software.

1

Settings



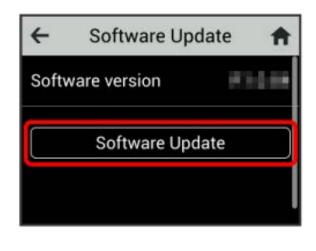
2

Software Update



3

Software Update





Checks for the latest software. If software update is found, update software.

 \cdot When software in use is the latest version, "There is no software to update." appears.

🛐 Software Update

Packet communication charges are not applied for software update.

While software is updated, other functions are disabled. Software update is not available during international roaming.

Sleep Mode

When operation is not performed for a certain period of time with no connection to any WLAN device or when not charging, Wi-Fi router goes into Sleep mode for energy-saving. Set time period before going into Sleep mode. 5 minutes are set by default. And set the mode to **OFF** not to go into Sleep mode.

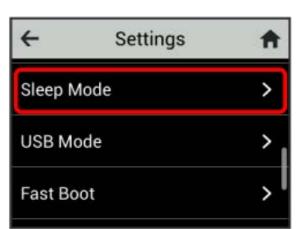
1

Settings

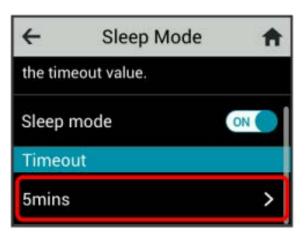


2

Sleep Mode



Tap time period for "Timeout"



 \cdot To disable Sleep mode, tap \fboxtimes to switch to \fboxtimes .

• When Sleep mode is set to **OFF**, 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.

Setting USB Communication Standard

Set USB communication standard.

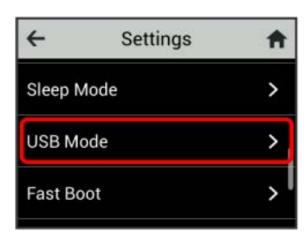
1		
	-	

Settings



2

USB Mode

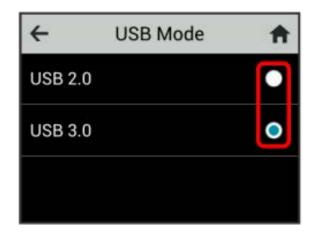


3

Confirm message ⊖ USB 3.0



Tap button of USB communication standard to set



Me desired USB communication standard is set.

• To change USB mode, tap YES to restart Wi-Fi router.

Setting Fast Boot

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

Set to ON by default. When Quick Boot is ON, Wi-Fi router consumes a small amount of battery even when the power is off.

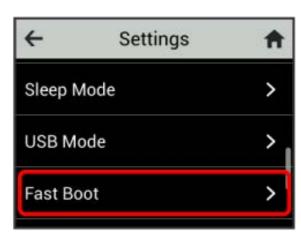
1

[Settings]



2

Fast Boot



5		

OFF on "Fast Boot"



🏁 "Fast Boot" is set to ON .

Checking Web UI

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

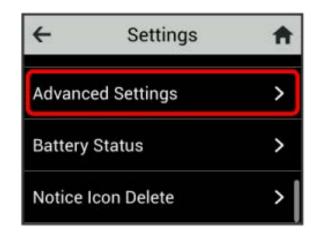
1

Settings



2

Advanced Settings



URL and QR code for Web UI are shown.

 \cdot Read QR code using a smartphone etc. to access Web UI from web browser of the smartphone.

Settings (Using Router Touch Menu)

Checking Battery Status

Check charging performance status of Internal Battery.

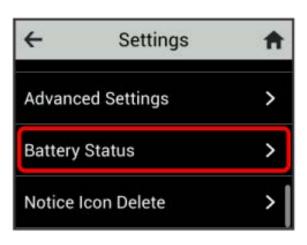
1

Settings



2

Battery Status



🏁 Charging performance status of Internal Battery 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.

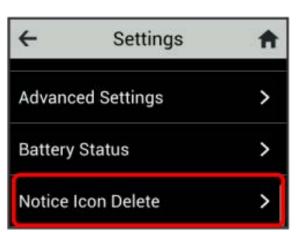
1

Settings



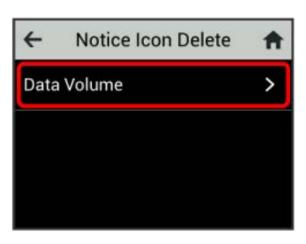
2

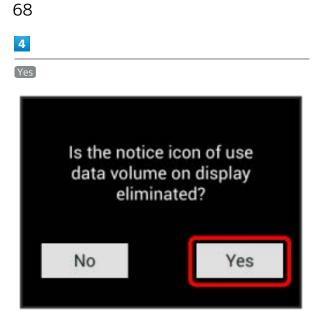
Notice Icon Delete



3

Data Volume





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 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
Software Version	Current software version
Hardware Version	Current hardware 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

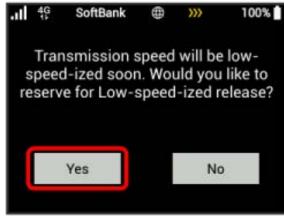
Make settings for data traffic when Wi-Fi router is under an individual subscription.

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.



Check information on pop-up screen 😔 Yes



2

Tap data traffic volume for which speed slowdown is ended



3

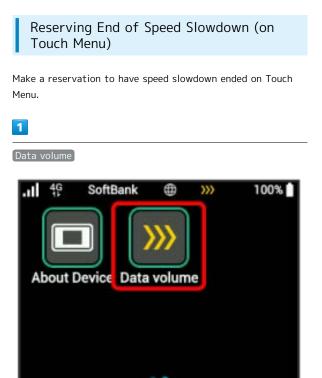


4 OK



...I ⁴⁹ SoftBank ⊕ >>> 100% ■ Low speed-ized release has been reserved. GB 円 (税抜)

Making of reservation is complete.



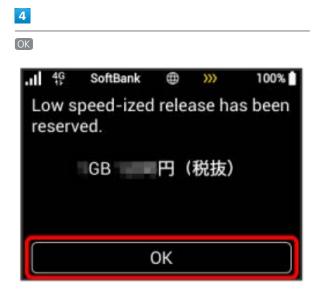
Tap data traffic volume for which speed slowdown is ended



3

Setting





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					
DK)					
	40	0.00-1	-		1000
.11	11	SoftBank	۲	>>>	100%
		peed-ized ation was			
		(ЭК		

🏁 Cancellation of end reservation is complete.

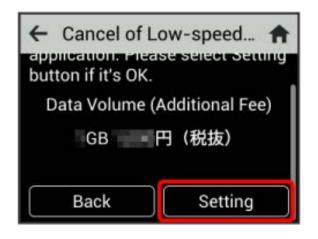
Ending Speed Slowdown (on Pop-up Screen)
When a pop-up notice appears for the start of a slowdown n communication speed, end the speed slowdown and have communication speed returned to normal speed.
1
Check information on pop-up screen ᅌ Yes
Transmission speed was low-speed- ized. Since packet traffic exceeded a fixed quanitity. Does it cancel?
Tes

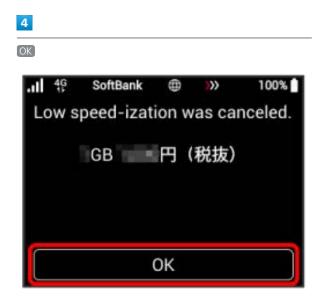
Tap data traffic volume for which speed slowdown is ended



3

Setting



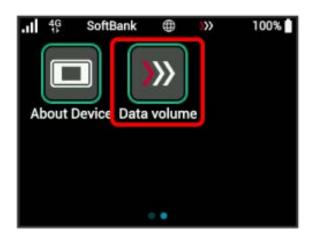


Ending of speed slowdown is complete.

End speed slowdown on Touch Menu.

1

Data volume



2

Tap data traffic volume for which speed slowdown is ended



3

Setting





Settings (Using PC WEB UI)

Overview of Web UI	76
Web UI Window	79
Checking Connected WLAN Devices	81
Setting Mobile Network	85
Setting LAN	103
Setting Wi-Fi	121
Device Settings	131
Showing Support Information	157
Showing Wi-Fi Router Information	158

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.

For supported browsers, see "Operating Environment."

Activating Web UI

Screen shots and steps described here are for computer (Windows 10) compatible with Web UI.

1

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."

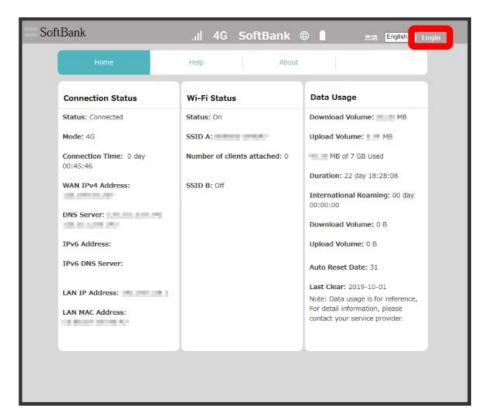
2

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

🏁 Web UI Home Page appears.

• Select English from language list.

In Web UI Home Page, Login



🏁 Login window opens.

Connection Status	Wi-Protect	Data He	😣
	Stat	Enter password to login	19 19 19 19 19 19 19 19 19 19 19 19 19 1
Mode: 40	sstr		1 118
Connection Time: 0 day 00:45:46	Nurt	Login	
WAN IPv4 Address:	ssit		28:08
		Internation 00:00:00	onal Roaming: 00 day
DNS Server:			Volume: 0 5
JPv6 Address:		Upload V	Manne: 0 B
IPv6 DNS Server:		Auto Res	
LAN IP Address:		Last Clea	
LAN MAC Address:			

🏁 "Logout" button appears at top right of screen, then logging in is completed.

• Password for Web UI is "admin" by default.

🖉 Default Login Password

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

If default Login password is used, a message prompting you to change password appears after logging in. Click OK to change Login password.

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

Cautions for Operating Web UI

Logging into Web UI

Please note the following for Web UI login.

- · While operating Wi-Fi router, login to Web UI is not available. After turning Wi-Fi router Display off, login to Web UI.
- \cdot Login to Web UI from two or more devices simultaneously is not available.
- · When 5 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.

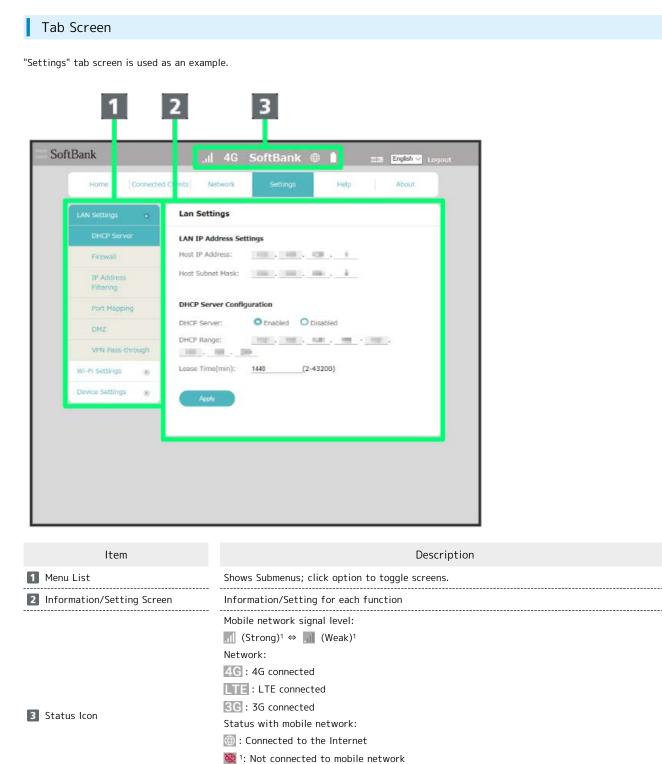
2

Enter Login password 🔶 Login

Layout
Luyout

SoftBank	tore Covered Tex	,∦ 40 SoftSank 0	na la
	Connection Status Mates connected	Wi-fi Status	Dista Usage Sewelling! Volume: 27.00 198
	Photo: 63	SHEE A. MINISTER (1998).	Upland Volume: 4.04 PB
	Connection Time: II dor 12.02.23	Number of diants attached: II	41.54 70.07 7100 1044
	White Devel Addresses 120, 000, 10, 2017		Decembers 22 any 12-12-17
	INS Server: 125-211-221-342 126-211-225-342	0022.6- CH	John matienal Resenting: 00 day (0.10.10)
	1%5 Address		Doentrad Volumer 1 1
	1946 Oki Server		Upload Volume: 1 1
			Juste Result Enter: 11
	148 (P dalmess: 193.118.128.1		Cast Clear: 1119-09-15
	LAN MAC Address: CE BEILP CO.M. A7		Boot.
			Name: Garia Langer in fair references, Por obtained informations, pioneer rook your convicts proceeder.

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.
	Mode: Shows network type used.
	Connection time: Shows connection time.
	WAN IPv4 Address: Shows IPv4 address of WAN.
4 Connection Status	DNS Server: Shows IP address of DNS server.
	IPv6 Address: Shows IPv6 address of WAN.
	IPv6 DNS Server: Shows IPv6 address of DNS server.
	LAN IP Address: Shows IPv4 address of LAN.
	LAN MAC Address: Shows LAN and MAC address.
	Status: Shows Wi-Fi status.
	SSID A: Shows SSID A name.
	Number of clients attached: Shows the number of WLAN devices connected to SSID A.
5 Wi-Fi Status	When WLAN devices are connected, host names are shown in red.
	SSID B: Shows SSID B name.
	Number of clients attached: Shows the number of WLAN devices connected to SSID B.
	When WLAN devices are connected, host names are shown in red.
	Download Volume: Shows downloaded data volume.
	Upload Volume: Shows uploaded data volume.
	Duration: Shows period of time after data traffic volume was reset.
	International Roaming: Shows period of time after international roaming started.
6 Data Usage	Download Volume: Shows downloaded data volume on international roaming.
	Upload 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.



Battery level (%, icon): (High) \Rightarrow (Low)

🗧 : Charging

1 R mark appears during international roaming.

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.

1

In "Connected Clients" tab → Client List

Client List	Client List
MAC Address Filtering	Host MAC Address IP Address Interface
	USB/Ethernet

🏁 Host name, MAC address, IP address and interface are shown.

 \cdot Click $\[]$ to change device name as necessary. Enter name and click $\[]$ OK .

MAC Address Filtering

Enable MAC address filtering to restrict WLAN device connections.

- \cdot When Multi SSID (SSID B) is enabled, MAC Address Filtering is also set in SSID B.
- \cdot Using LAN Cable connections via USB Cable or Cradle (optional) is not covered by MAC Address Filtering.

1

```
"Connected Clients" tab ラ MAC Address Filtering
```

SoftBank	.d 4G SoftBank ⊕ 🛔 🔤 🛤 English 🖌 Logout
Home Connected	Clients Network Settings Help About
Client List	MAC Address Filtering
WAC Address Filtering	The current status of MAC Address Filter is Disabled. MAC Address Filter: Enable Toescription MAC Address No entries found Add More

oftBank	.ıl 4G SoftBank 🕀 🗎 🚟 English 🗸 Logou
Home	ected Clients Network Settings Help About
Client List	MAC Address Filtering
MAC Address Filtering	The current status of MAC Address Filter is Disabled .
	MAC Address Filter: Enabled Disabled
	Apply
	Description MAC Address
	No entries found
	Add More

• To cancel MAC Address Filtering, Disabled 🔿 Apply

3

Add More

Settings Help About
is of MAC Address Filter is Disabled .
0
Enabled Disabled
MAC Address

🏁 MAC Address entry screen appears.

Enter description and MAC Address 🗦 💽 🔿

Home Connecte	d Clients	Network	Settings			н	elp		Abo	Lit.
Client List	MAC Ad	ldress Filterin	ng							
MAC Address Filtering	-		une alde					a.e.		
		rent status of I					hsat	led.		
	MAC Add	ress Filteri 🕻 🕻	Enabled	0	Disa	bled			6	
	A	dd devices to	allow co	nne	ctio	n:				
		Description			M	AC AC	Idre	55		
	•	XXXXXX		: X				x : x		
	No			£0.	83	4	15	11		
	110									
	C									
									-	
				400 800		3E) 202	15		-	
				10	84 74	4	- 10	1		
				1						
		-		5					-	

🏁 Permitted devices appear.

- \cdot To edit description or Mac Address of added device, click $\ \bigsimes$.
- ' To added device, click .

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.

Home Connected Clients Network Settings Help About Mobile Network • • • • Network • • • • Configuration • • • • Reaming Settings • • • • Out-of-service Network Search: • • • APN Profile Settings • • • • PIN Management. • • • • Connection History • • • •	`tBank ′	and the second second second	SoftBank @		mm English y Logou
Network Network Mode: 4G/LTE/3G Roaming Settings Apply Out-of-service Apply Mode Network Search: APN Profile Settings Apply PIN Management Apply	Home Connecte	d Clients Network	Settings	Help	About
Configuration Apply Roaming Settings Apply Out-of-service Network Search: Automatic Mode Apply PIN Management Apply	Mobile Network 🔹	Network Config	uration		
Dut-of-service Mode Network Search: Automatic APN Profile Settings Apply PIN Management Apply		Network Mode:	4G/LTE/3G	~	
Mode Network Search: Automatic ~ APN Profile Settings Apply PEN Management Apply	Roaming Settings	Apply			
PIN Management.		Network Search:	Automatic	~	
	APN Profile Settings	Apply			
Connection History	PIN Management				
	Connection History				

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o	υ
_	-

Home Connects	ed Clients Network	SoftBank Settings	Help	About
Mobile Network •	Network Config			
Network Configuration	Network Mode:	4G/LTE/3G	~	
Roaming Settings	Apply			
Out-of-service Mode	Network Search:	Automatic	U.	
APN Profile Settings	Apply			
PIN Management				
Connection History				

🏁 The desired network is set.

Search and set mobile network.

1

L

"Network" tab 🗦 [Mobile Network] ᅌ [Network Configuration]

Home Connecte	ed Clients Network	Settings	Help	About
Mobile Network 🔹	Network Config	uration		
Network Configuration	Network Mode:	4G/LTE/3G	~	
Roaming Settings	Apply			
Out-of-service Mode	Network Search:	Automatic	~	
APN Profile Settings	Apply			
PIN Management				
Connection History				

Mobile Network Network Configuration Nstwork Configuration Network Mode: 4GLTE3G Rearning Settings APPhy Out-of-service Mode Network Search: Manual APN Profile Settings Scan PIN Management Scan	Home Connecte	d Clients Network	Settings	Help	About
Configuration Rearning Settings Out-of-service Mode Network Search: Manual APN Profile Settings PIN Management.	Mobile Network	Network Config	uration		
Out-of-service Mode Network Search: Manual APN Profile Settings Scan PIN Management Scan		Network Mode:	4G/LTE/3G	~	
Mode Network Search: Manual Manu Manual Manual Manu	Roaming Settings	Apply			
PIN Management		Network Search:	Manual	2	
	APN Profile Settings	Scan			
Connection History	PIN Management		k.		
	Connection History				

Selectable mobile network list is created.

3

Checkmark mobile network ᅌ Register

Material Configuration Marriely Configuration <t< th=""><th>HOTE CENT</th><th>and Gents</th><th>NOVA .</th><th>- Sett</th><th>nes l</th><th>Hep</th><th>About</th></t<>	HOTE CENT	and Gents	NOVA .	- Sett	nes l	Hep	About
Heavairk Lossingureton/ Markening hastlange Adversing hastlange Adversing hastlange Adversing hastlange Adversing hastlange Adversing hastlange Adversing hastlange Adversing hastlange Markening hastlange Adversing hastlange Adversing hastlange Adversing hastlange Adversing hastlange Durinet darwing Adversinge Durinet darwing Adversinge <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Nerveg Settings National Factor Bit of convints Math. Arks Straffs Galdings PAX Management Imagement CarreetSd4 Hellow Status Status Openator Norweg Settings Status PAX Management Status Dim Status Dim Status Status Generator Processor Status		Netwo	irk Configuration				
Norving Setting: Bit of services Mode. Ark Statis Kellstap Pair Management Cancelstaf Hattan Statisk Operator Norving Statisk Durinet Kerving Statisk Statisk Statisk Statisk Statisk		theorem	Horac add. 1870	~~			
Start Kernington Artik Staffange PAR Hereognieri Carreetsid Hottov Starte Operation Notice Operation Notice Starte Operation Notice Operation Notice Operation Notice Operation Notice Operation Notice Operation Notice	Adversing Sattlengt						
Status Opinistar Foroidon 40/LTE Foroidon 40/LTE Foroidon 30 Foroidon 42/LTE	Date of service Made		**				
Station Operator NCX-MHX: Type Available 30 400/110 500/010 Finologien 400/110 400/110 500/010 Finologien 400/110 500/010 400/110 Finologien 400/110 500/010 500/010 Finologien 500/010 400/110 500/010 Finologien 500/010 500/010 500/010 Finologien 500/010 500/010 500/010	APN Profile Satistign	Methodal	Search: Based				
CancelSist Home	RIN Hanopernent	1	Anderson				
Available 30 Available 30 Content darwing 44/11E Fordsdon 44/11E	Connection History		her (
Current darvký 40/112 Forotóon 46/112 Forotóon 46/112 Forotóon 46/115 Forotóon 56 Forotóon 56		-	Status	Operator	NCC-HNC	Type	
Forbidon 45/17E Forbidon 40/17E Forbidon 40/17E Forbidon 52 Forbidon 52 Forbidon 42/17E			Available	to Disease	100.00	36	
Forbides 40/1E Forbides 40/1E Forbides 40/1E Forbides 40/1E Forbides 40/1E Forbides 40/1E			current serving	5.855	105.011	40ALTE	
Forbiden 45//TF Forbiden 25 Forbiden 44//TE			Forbidden	No. OR	100 101	46/LTE	
Fortidan XG Forbidan 452/37			Forbidden	4004	48.0	49/ILTE	
E Forbidan - Der 450.TE			Forbidden	And a second second	100.011	4G/LTE	
Forbiden 4G/LTE			Fortstäden	1000070	1000101		
Australia 465/10			Forbidden				
			Ameteble	100.00	100.000	46,5.7E	

🏁 The desired network is set.

ftBank	.ıl 4G SoftBank ⊕ 🛔 👷 English 🛩 togout
Home Connected	Clients Network Settings Help About
Mobile Network 🔹	Roaming Setting
Network Configuration	This device connects network automatically. International roaming rates are more expensive than standard rates. Manual network search is recommended.
Roaming Settings	International Roaming: O Enabled O Disabled
Out-of-service Mode	Apply
APN Profile Settings	
PIN Management	
Connection History	

Mobile Network	Roaming Setting
Network Configuration	This device connects network automatically. International roaming rates are more expensive than standard rates. Manual network search is recommended.
Roaming Settings	International Roaming: C Enabled O Disabled
Out-of-service Mode	Apply:
APN Profile Settings	
PIN Management	
Connection History	

90)			
1	1			
0	K			
			×	
	This site says			
	Are you sure to save the Roaming	g Settings		
	ОК	Cancel		

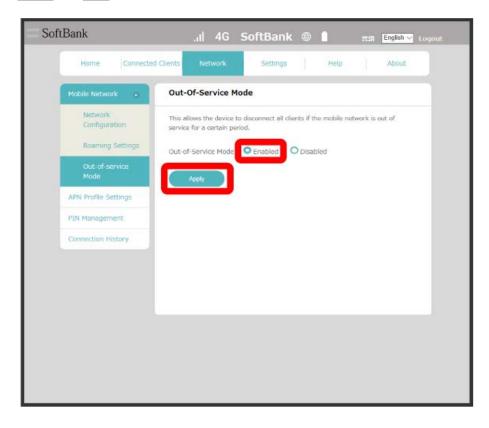
International roaming setting is applied.

All devices are disconnected after mobile network is out of service for specific period of time.

nk Home Connected	.ıl 4G SoftBank ⊕ ■ ==== English → Logout
obile Network	Out-Of-Service Mode
Network Configuration	This allows the device to disconnect all clients if the mobile network is out of service for a certain period.
Roaming Settings	Out-of-Service Mode: O Enabled O Disabled
Out-of-service Mode	Apply
PN Profile Settings	
IN Management	
onnection History	

2

Enabled 🔶 Apply



92				
3				
C				
		>	(
	This site says			
	Are you sure to save Out-Of-Serv	vice Mode setting?		
	ОК	Cancel		

🟁 Wi-Fi Automatic Disconnection is set.

Creating Profile

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

Item	Description
Profile Name	Enter profile name.
APN Name	Enter APN. ¹
User Name	Enter user name.
Password	Enter password.
Authorization Method	Select authentication type.
IP Туре	Select IP type.

1 [法人] 閉域網契約専用APN 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/.

1

"Network" tab ⋺ APN Profile Settings]

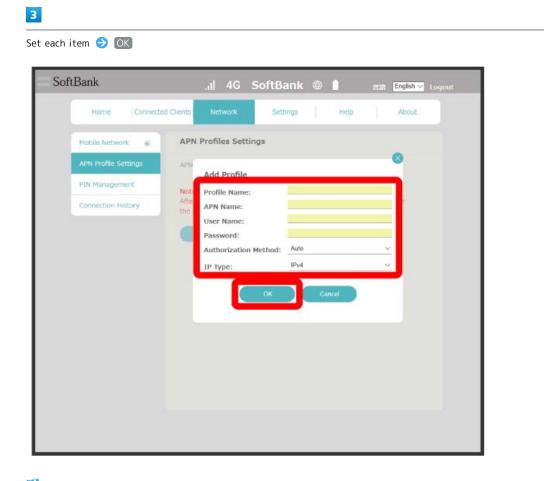
Home Connecte	d Clients Network Settings Help About
Mobile Network 🛞	APN Profiles Settings
APN Profile Settings	APN for network attach: Commercial ✓
PIN Management	Note:
Connection History	After clicking the Apply button, this device will reboot automatically for the modified settings to take effect.
	Apply New

94

New

Home Connect	ed Clients Network Settings Help About
Mobile Network	APN Profiles Settings
APN Profile Settings	APN for network attach: Commercial V
PIN Management	Note:
Connection History	After clicking the Apply button, this device will reboot automatically for the modified settings to take effect.

🏁 Creation screen for a new profile appears.



The new profile is created and screen returns to APN profile settings screen. The new profile name is shown in "APN" pulldown list. By clicking the profile, details of the new profile are shown.

- Select the new profile and click Delete to delete it.
- · By changing APN and clicking Apply , Wi-Fi router is restarted to apply the changed settings.

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.

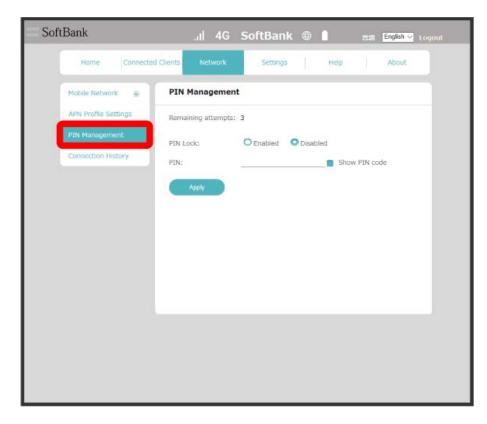
PIN Verification

Set PIN Verification.

SIM PIN is set to "9999" by default.

1

"Network" tab 🔿 [PIN Management]



Home Connecte	.ıl 4G SoftBank ⊕ 🗎 🕮 English 🛩 Logo d Clients Network Settings Help About
Mobile Network	PIN Management
APN Profile Settings	Remaining attempts: 3
PIN Management	PIN Lock: O Disabled
Connection History	PIN: Show PIN code
	Apply

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

• To disable PIN Verification, in step 💈 , select Disabled 🔿 Enter PIN 🔿 Apply .

erification (W	eb UI)				
ork" tab 🔿 [PIN Manage	ement				
GoftBank		8	23	English 😽 Logo	ut
Home Connected	Clients Network	Settings	Help	About	
Mobile Network APN Profile Settings PIN Management Connection History	PIN Management Remaining attempts: 3 PIN required PIN Code: Apply				

2

Enter four- to eight-digit PIN 🔿 Apply

Home Connected Clients Network Settings Help About Mobile Network <td <="" <td="" th=""><th>SoftBank</th><th></th><th>8</th><th></th><th>28</th><th>English 🗸 Logout</th></td>	<th>SoftBank</th> <th></th> <th>8</th> <th></th> <th>28</th> <th>English 🗸 Logout</th>	SoftBank		8		28	English 🗸 Logout
APN Profile Settings Remaining attempts: 3 PIN Management PIN required Connection History PIN Code:	Home Connected	d Clients Network	Settings	Help		About	
PIN Management PIN required PIN Code:	Mobile Network 💿	PIN Management					
Connection History PIN Code:	APN Profile Settings	Remaining attempts:	3				
	PIN Management	PIN required					
	Connection History	PIN Code:					

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

L

Enter four- to eight-digit PIN ラ 🛛

	I	PIN Lo	ck Free	2	
		tempts: e (4~8		rs):	
	••			ок	
1	2	3	4	5	$\langle X \rangle$
6	7	8	9	0	

🏁 When correct PIN is entered, Home Screen appears.

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

"Network" tab 🔿 🏼 PIN Management

SoftBank	.ıl 4G SoftBank ⊕ 🛯 💷 English 🛩 Logout
Home Connected	t Clients Network Settings Help About
Mobile Network	PIN Management
APN Profile Settings	Remaining attempts: 3
PIN Management	PIN Lock: O Enabled O Disabled
Connection History	PIN: Show PIN code
	Apply Change PIN

Change PIN

2

SoftBank	.ıl 4G SoftBank 🕀 🗎 🚎 English	🖌 Logou
Home Connecte	d Clients Network Settings Help About	
Mobile Network 💿	PIN Management	
APN Profile Settings	Remaining attempts: 3	
PIN Management	PIN Lock: O Enabled O Disabled	
Connection History	PIN: Show PIN code	
	Apply Change PIN	

🏁 PIN change screen appears.

3

Set each item 🔶 🛛

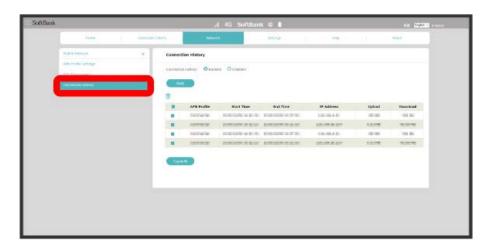
Mobile Network	PIN Management	
APN Profile Settings	Rem Change PIN	
PIN Management	PIN Enter Current PIN:	
Connection History	PIN: Confirm PIN code:	
	OK Cancel	

Checking Connection History

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

1

"Network" tab 🔿 Connection History



🏁 Connection history lists are shown.

Setting Connection History

Enabling/Disabling Connection History
In Connection History screen, select Enabled / Disabled > Apply to enable or disable connection history
Editing Connection History
Checkmark history to delete >
to delete selected history.
Click Export All to download history as a text file to computer.

Setting DHCP

Assign IP addresses to devices inside LAN. Setting items are as follows:

Item	Description
Host IP Address	Set Wi-Fi router host IP address.
Host Subnet Mask	Set host subnet mask.
DHCP Server	Set whether to use DHCP function.
DHCP Range	Set lowest and highest IP addresses that are allotted to WLAN devices.
Lease Time(min)	Set IP address lease time.

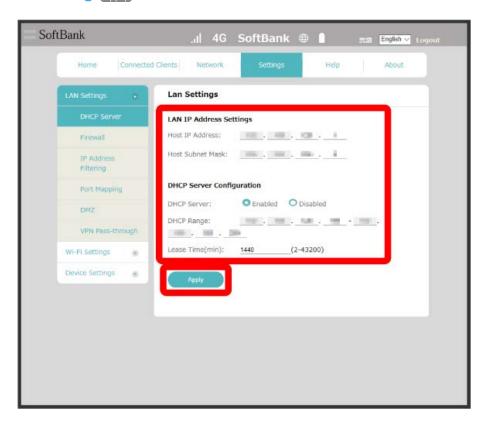
1

"Settings" tab 🔶 [DHCP Server]

LAN Settings	Lan Settings			
DHCP Server	LAN IP Address Settings			
Firewall	Host IP Address:			
IP Address Filtering	Host Subnet Mask:			
Port Mapping	DHCP Server Configuration			
DMZ	DHCP Server: O Enabled O Disabled DHCP Range:			
VPN Pass-throug				
Wi-Fi Settings	Lease Time(min): 1440 (2-43200)			
Device Settings	Apply			

2

Set each item ラ Apply



🏁 DHCP is set.

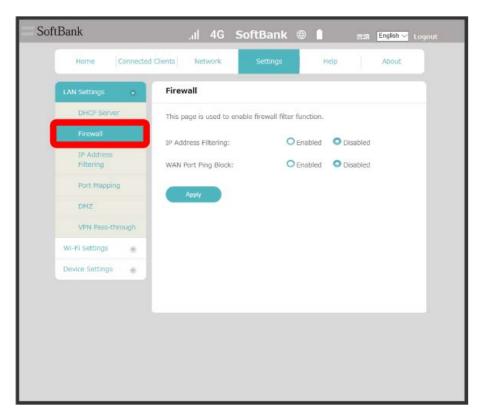
Set Firewall function. Setting items are as follows:

Item	Description
IP Address Filtering	Set whether to use IP Address Filter function
WAN Port Ping Block	Set whether to respond to PING from WAN.

1

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"Settings" tab 🔶 [Firewall]



100	1	0	6
-----	---	---	---

		IP Address Filtering: O Enabled O Disabled				
IP Address Filtering		WAN Port Ping Block:	_	 Enabled 	O Disabled	
Port Mapping		Apply				
DMZ		PORY				
VPN Pass-thn	ough					
Wi-Fi Settings						
Device Settings						

 $\,$ IP address filtering and WAN port PING block are set.

Set whether to apply rules and enable transmissions from Internet through Firewall, based on sender/receiver addresses. Setting items are as follows:

Item	Description		
LAN IP Address	Set source IP address to apply rules; Specify IP address from IP addresses used on LAN.		
LAN Port	Set source port number to apply rules.		
WAN IP Address	Set destination IP address to apply rules.		
WAN Port	Set destination port number to apply rules.		
Protocol	Select protocol to apply rules.		
ІР Туре	Set IPv4/IPv6.		

1

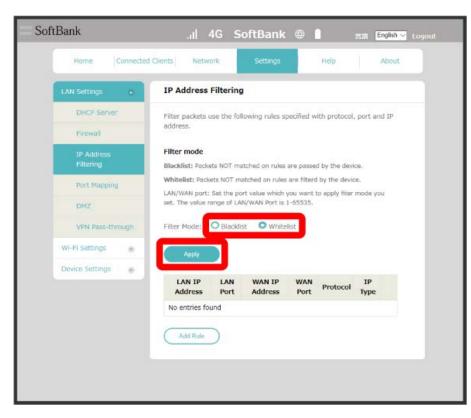
L

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

Home Conn	ected Clients Network Settings Help About
LAN Settings	IP Address Filtering
DHCP Server	Filter packets use the following rules specified with protocol, port and IP
Finewall	address.
IP Address Filtering	Filter mode Blacklist: Packets NOT matched on rules are passed by the device.
Port Mapping	Whitelist: Packets NOT matched on rules are filterd by the device. LAN/WAN part: Set the port value which you want to apply fiter mode you
DMZ	set. The value range of LAN/WAN Port is 1-65535.
VPN Pass-through	Filter Mode: OBlacklist OWhitelist
Wi-Fi Settings	Apply
Device Settings	LAN IP LAN WAN IP WAN Protocol IP Address Port Address Port Type
	No entries found
	Add Rule

2

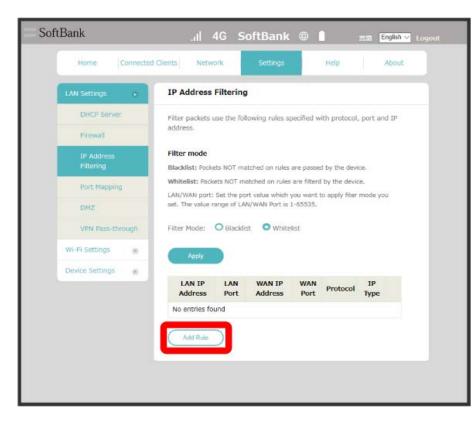
Blacklist / Whitelist 🔿 Apply



- · If Blacklist is selected, packets to WAN IP address specified by selected LAN IP address are rejected.
- · If Whitelist is selected, packets to WAN IP address specified by selected LAN IP address are permitted.

3

Add Rule



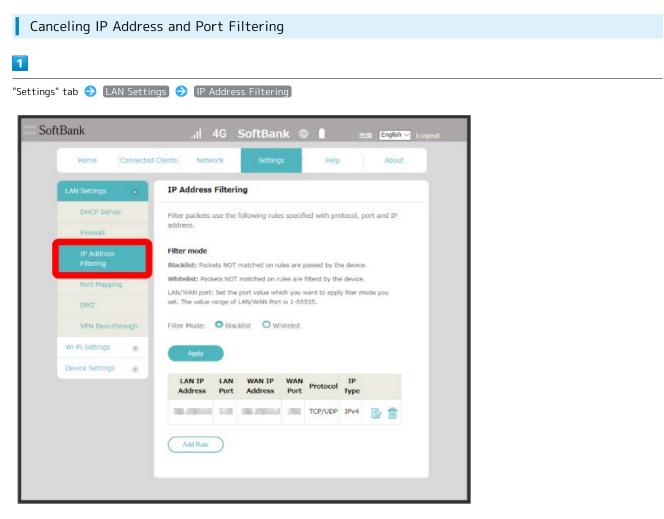
Set each item 🔶 🔀

4

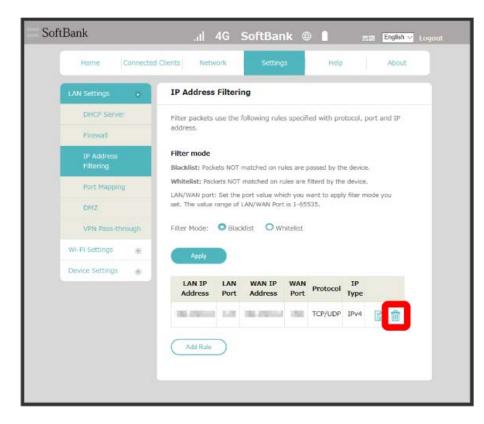
Home Connected	d Clients Network	Settings	Help	About
AN Settings 📀	IP Address Filteri	ng		
DHCP Server Firewall	Filte addi IP Address F			Sirt and IP
JP Address Filtering	LAN IP Addres Filte Blac While While		6 60-6	
Port Mapping DMZ VPN Pass-through	WAN Port: set. Protocol: IP Type:	TCP/UDP IPv4	~	de you
Wi-Fi Settings 🛞		ок Са	ncel	
Device Settings	LAN IP LAN Address Port No entries found		/AN Protocol	ІР Туре

Set rules are saved and filtering is set.

 \cdot To set IPv6 addresses, enter a prefix at the end of the IP address.



Click 🍵 for the rule to delete



OK			
Γ			×
	This site says Are you sure you want to delete t	this rule?	
	ОК	Cancel	
		-	

piltering is canceled.

3

Setting Port Mapping

Set a virtual server for accessing a specified device inside LAN via the Internet. Setting items are as follows:

Item	Description			
Rule Name	Set name of virtual server.			
WAN Port	Set source port number.			
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.			
LAN Port	Set destination port number for device inside LAN to make available as a server when transmitting packets.			
Protocol	Select protocol to apply rules.			

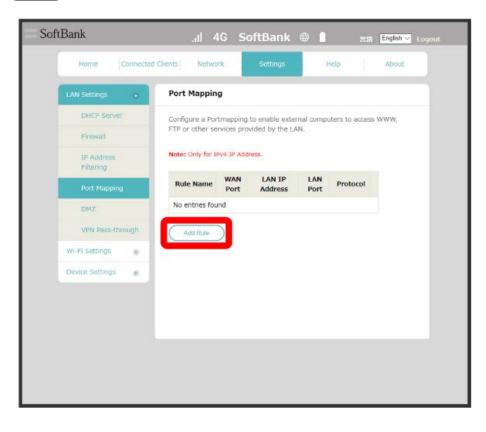
1

"Settings" tab ⇒ LAN Settings ⇒ Port Mapping

Home Connec	ed Clients Network	Settings	Help	About
LAN Settings	Port Mapping			
DHCP Server	Configure a Portmapping to		computers to acce	255 WWW,
Firewall	FTP or other services provid	ed by the LAN.		
IP Address Filtering	Note: Only for IPv4 IP Addres			
Port Mapping	Rule Name WAN Port		LAN Protocol Port	
DMZ	No entries found			
VPN Pass-through	Add Rule			
Wi-Fi Settings 🛞				
Device Settings				

Add Rule

2



3

Set each item 🔶 💽

oftBa			.111 40	SoftBank (nan English 🗸 Logout
	Home	Connected Clin	ents Network	Settings	Help	About
L	AN Settings	0	Port Mapping			
	DHCP Serv	er	Con			SS WWW,
	Finewall		FTF Port Mappin Rule Name:	g Rule	-	
	IP Address Filtering		WAN Port:			
	Port Mappi	ng	Rt LAN IP Addre			
	DMZ		No Protocol:	TCP/UDP	\sim	
	VPN Pass-t	hrough	C	ок с	ancel	
. W	/i-Fi Settings			_		
D	evice Settings					

4

OK

This site says					
Are you sure you want to add this rule?					
OK Cancel					

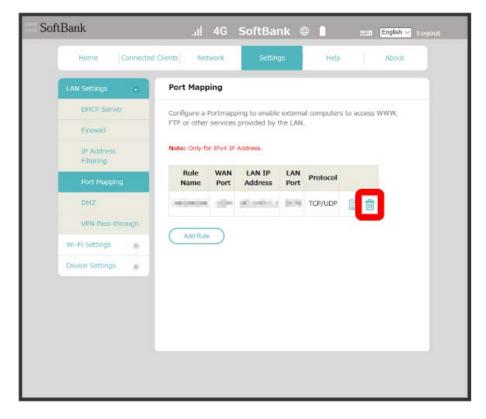
🏁 Port Mapping is set.

• To edit setting, click 🝃 on setting list.

Home Connected	Clients Network Settings Help	About
LAN Settings 🔹	Port Mapping	
DHCP Server	Configure a Portmapping to enable external computers to a	ccess WWW,
Firewall	FTP or other services provided by the LAN.	
IP Address Filtering	Note: Only for IPv4 IP Address.	
Port Mapping	Rule WAN LAN IP LAN Protocol Name Port Address Port	
DMZ		1
VPN Pass-through		
Wi-Fi Settings 🛞	Add Rule	
Device Settings		

Canceling Port Mapping

Ŵ



3

OK

	×				
This site says					
Are you sure you want to delete this rule?					
OK Cancel					

Port Mapping setting is deleted.

Setting DMZ

If DMZ is enabled, accessing all the ports of IP address specified by outside network is available.

ftBank Home Connected	II 4G SoftBank ⊕				
LAN Settings					
DHCP Server	If you enable DMZ (Demilitarized Zones) function, all ports of the				
Finewall	designated IP address can be accessed from external network. You can configure the DMZ address to enable DMZ service on this page and				
IP Address Filtering	DMZ: O Enabled O Disabled				
Port Mapping					
DMZ	Apply				
VPN Pass-through					
Wi-Fi Settings 🛞					
Device Settings					

Enabled 🗦 Set DMZ IP address ラ Apply .ıl 4G SoftBank ⊕ 🛔 🛛 🛲 English 🛩 togo SoftBank Home Connected Clients Network Help About DMZ DHCP Server If you enable DM2 (Demilitarized Zones) function, all ports of the designated IP address can be accessed from external network. You can configure the DMZ address to enable DMZ service on this page and Firewall remove the DMZ address to disable. IP Address Filtering DMZ: OEnabled ODisabled 1000 (100) K . I Port Mapping DMZ IP Address: VPN Pass-through Wi-Fi Settings Device Settings

🏁 DMZ is set.

Setting VPN Pass-through

By enabling VPN pass-through function, Wi-Fi router can pass VPN communication (PPTP/L2TP/IPSec) through.

1				
"Settings" tab	€	LAN Settings	€	(VPN Pass-through)

L

LAN Settings	O VP	N Pass-through			
DHCP Server	This	page is used to en	able the function t	o create pptp/l2t	p/ipsec VPN
Firewall		pass-through tunnels. Note: Number of simultaneous connections: Only 1 session is possible.			
IP Address Filtering		l Pass-through setti		O Disabled	
Port Mapping		Apply			
DMZ					
VPN Pass-thro	rugh				
Wi-Fi Settings					
Device Settings					

Home Co	innected Clients	Network		Help	About
LAN Settings	o VPN	Pass-through			
DHCP Server		page is used to ena	ble the function to	create pptp/l2	tp/ipsec VPN
Firewall		through tunnels. : Number of simult	aneous connectior	is: Only 1 sessi	on is possible.
IP Address Filtering		Pass-through settin		O Disabled	
Port Mapping		Apply			
DMZ					
VPN Pass-throu	ıgh				
Wi-Fi Settings					
Device Settings					

🏁 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
Wi-Fi	Set whether to enable WLAN.
Multi-SSID	Set to enable SSID B.
Max Number of Connected Clients (1-10)	Set the number of connectable devices to Wi-Fi router.
Show SSID and security key on Touch Screen	Checkmark to show SSID and password (Security Key) when Manual Connection is tapped on Wi-Fi router's Touch Menu.
Interface	Select SSID to set. Not selectable by default. Only SSID A is shown. If Multi-SSID is enabled, SSID B becomes also selectable.
SSID	Set SSID A name that is shown on WLAN devices to be connected.
Security	Set security.
Password	Set password.
SSID Stealth	Set whether not to notify SSID A name of Wi-Fi router.
Privacy Separator	Set whether to prohibit interactive communication between WLAN devices connected to SSID A.

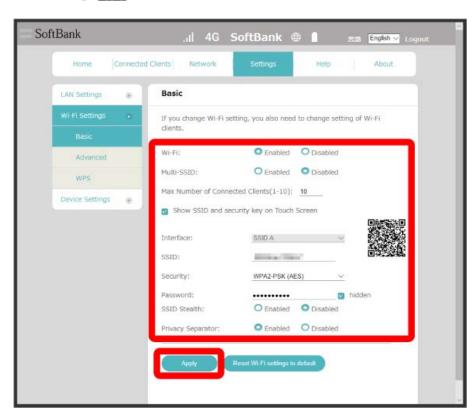
1

"Settings" tab 🔿 [Wi-Fi Settings] 🔿 [Basic]

Home Connecte	d Clients Network	Settings	Help	About
LAN Settings	Basic			
Wi-Fi Settings 🕞	If you change Wi-Fi se	tting, you also need	l to change setti	ng of Wi-Fi
Basic	dients.			
Advanced	Wi-Fi:	C Enabled	O Disabled	
WPS	Multi-SSID:	O Enabled	O Disabled	
Device Settings	Max Number of Conne	cted Clients(1-10):	10	
Device seconds .	Show SSID and se	curity key on Touch	Screen	
	Interface:	SSID A	v	
	SSID:	STORA TO	12 C	0.4135.62
	Security:	WPA2-PSK (A	ES) ~	
	Password:		2	hidden
	SSID Stealth:	O Enabled	O Disabled	
	Privacy Separator:	C Enabled	O Disabled	

1	2	2

Set each item 🔶 Apply



3

OK



🏁 Wi-Fi is disconnected and Wi-Fi setting for SSID A is performed.

· Reset Wi-Fi settings to default ⊖ OK to restore Wi-Fi settings to factory default.

Make basic WLAN settings for SSID B. Enable Multi-SSID beforehand. Setting items are as follows:

Item	Description
Wi-Fi ¹	Set whether to enable WLAN.
Multi-SSID	Set to enable SSID B.
Multi-SSID AP Isolation ²	Set whether to permit interactive communication between SSID A and SSID B connected devices.
Max Number of Connected Clients (1-10) ¹	Set the number of connectable devices to Wi-Fi router.
Show SSID and password on Touch Screen. ¹	Checkmark to show SSID and password (Security Key) when Manual Connection is tapped on Wi-Fi router's Touch Menu.
Interface	Select SSID to set. Not selectable by default. Only SSID A is shown. If Multi-SSID is enabled, SSID B becomes also selectable.
SSID	Set SSID B name that is shown on WLAN devices to be connected.
Security	Set security.
Password	Set password.
SSID Stealth	Set whether not to notify SSID B name of Wi-Fi router.
Privacy Separator	Set whether to prohibit interactive communication between WLAN devices connected to SSID B.
Access the Web Interface ²	Set whether to permit access to Web UI from WLAN devices connected to SSID B.

1 Setting common to SSID A/SSID B.

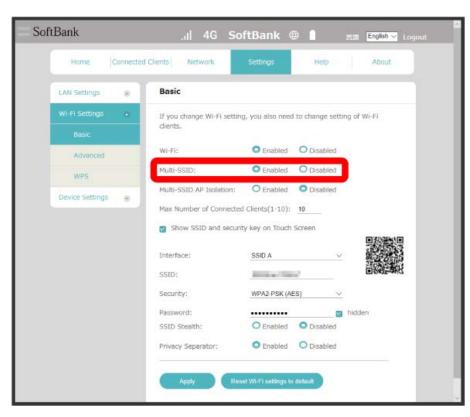
2 Available when "Multi-SSID" is set to Enabled .

1

"Settings" tab 🗦 Wi-Fi Settings 🗦 Basic

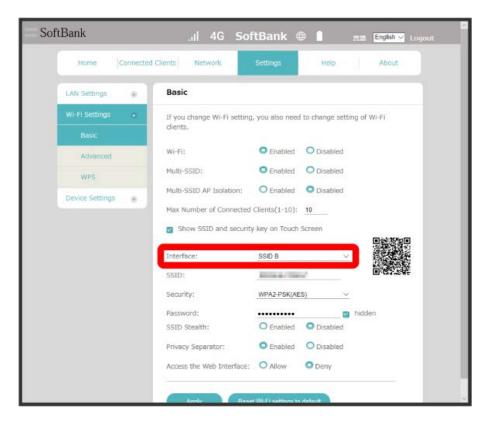
Home Connected	I Clients Network	Settings	Help	About
LAN Settings	Basic			
Wi-Fi Settings	If you change Wi-Fi se	tting, γου also need	l to change setti	ng of Wi-Fi
Basic	dients,			
Advanced	Wi-Fi:	 Enabled 	O Disabled	
WPS	Multi-SSID:	O Enabled	Oisabled	
Device Settings	Max Number of Conne	cted Clients(1-10):	10	
	Show SSID and set	curity key on Touch	Screen	PERSONAL APPR
	Interface:	SSID A	v	
	SSID:	State In	×	首称管理社
	Security:	WPA2-PSK (A	ES) 🗸	
	Password:		1	hidden
	SSID Stealth:	O Enabled	 Disabled 	
	Privacy Separator:	Enabled	O Disabled	

Set "Multi-SSID" to Enabled



3

```
Select SSID B in "Interface"
```



Bank		.il 4G Sot	ftBank (⊕ 1	22	English \sim
Ноте	Connected	Clients Network	Settings	Help		About
LAN Settings		Basic				
	•	If you change Wi-Fi setting	, you also need	d to change setti	ng of Wi	Fi
		dients.				
Advanced		Wi-Fi;	Enabled	O Disabled		
WP5		Multi-SSID:	Enabled	O Disabled		
Device Settings		Multi-SSID AP Isolation:	O Enabled	O Disabled		L
Darried Sectorys		Max Number of Connected	Clients(1-10):	10		L
		Show SSID and security	y key on Touch	Screen		
		Interface:	SSID B	~		
		SSID:	10000		t	
		Security:	WPA2-PSK(AE	ES) 🗸		L
		Password:		2	hidden	
		SSID Stealth:	O Enabled	O Disabled		L
		Privacy Separator:	O Enabled	O Disabled		
		Access the Web Interface:	O Allow	O Deny		

4

OK

	×
This site says	
Changing Wi-Fi settings will cause disconnected in order to make W	
Are you sure to change Wi-Fi sett	tings now?
ОК	Cancel

🏁 Wi-Fi is disconnected and Wi-Fi setting for SSID B is performed.

· Reset Wi-Fi settings to default ⊖ OK to restore Wi-Fi settings to factory default.

Wi-Fi Advanced Settings

Setting items are as follows:

Item	Description
Frequency Band	Select frequency band to use from 2.4 GHz/5 GHz. ¹
Mode	Set Wi-Fi communication standard.
Wi-Fi Channel	Set Wi-Fi channel.
Wi-Fi Bandwidth	Set Wi-Fi channel frequency band width.
Sleep Mode	Set whether to disable WLAN function automatically when Wi-Fi router does not connect to WLAN devices.
Sleep Mode Timer	Set time period before WLAN function is automatically set to OFF when Sleep Mode is enabled.
TX Power	Set Wi-Fi transmissions output. Suppressing transmissions output reduces interference with other communications.
TCP NAT Timer	Set time period to maintain sessions with no communications after a TCP session has been established. Input values are from 30 to 86400 seconds.
UDP NAT Timer	Set the times that UDP state management is maintained via the absence of communications. Input values are from 30 to 86400 seconds.

1 5 GHz cannot be selected if SIM Card is not inserted or during international roaming.



"Settings" tab 🔿 [Wi-Fi Settings] 🔿 [Advanced]

Home Connected	d Clients Network	Settings	Help About
LAN Settings	Advanced		
Wi-Fi Settings 🔹		abroad, the configurat	
Basic	according to a local I change setting of Wi		Fi setting, you also need to
Advanced	Frequency Band:	• 2.4GHz • 5	GHz
WPS	Mode:	802.11 b/g/n	<u> </u>
Device Settings	Wi-Fi Channel;	Automatic	
	Wi-Fi Bandwidth:	Auto(20/40MHz)	~
	Sleep Mode:	CENABLED C	Disabled
	Sleep Mode Timer:	5 minutes	~
	TX Power:	High	×
	TCP NAT Timer:	300	second (30 - 86400)
	UDP NAT Timer:	300	second (30 - 86400)
	Apply		

ftBank	.11 40	SoftBank	mm English ✓ t.c
Home Connecto	ed Clients Network	Settings	Help About
LAN Settings	Advanced		
Wi-Fi Settings 🔹		abroad, the configuration	
Basic	according to a local I change setting of Wi		setting, you also need to
Advanced	Frequency Band:	2.4GHz O 5GH	z
WPS	Mode:	802.11 b/g/n	
Device Settings	Wi-Fi Channel:	Automatic	
	Wi-Fi Bandwidth:	Auto(20/40MHz)	~
	Sleep Mode:	CEnabled ODise	abled
	Sleep Mode Timer:	5 minutes	~
	TX Power:	High	~
	TCP NAT Timer:	300	second (30 - 86400)
	UDP NAT Timer:	300	second (30 - 86400)

2

OK

	×
This site says	
Changing Wi-Fi settings will cause disconnected in order to make W	
Are you sure to change Wi-Fi sett	ings now?
ОК	Cancel

🟁 Wi-Fi is disconnected and Advanced Wi-Fi setting is performed.

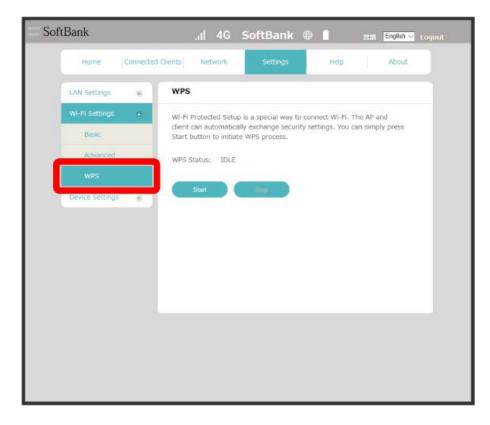
Connecting WPS Supported WLAN Device

Connect WPS supported WLAN devices. Both SSID A and SSID B are connectable. To connect using SSID B, enable Multi SSID function (SSID B).

- \cdot 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.

1

"Settings" tab 🔿 Wi-Fi Settings ラ WPS



2 Start

LAN Settings WPS Wi-FI Settings Wi-Fi Protected Setup is a special way to connect Wi-Fi. The AP and dient can automatically exchange security settings. You can simply press start button to initiate WPS process. Advanced WPS Status: IDLE Device Settings Stat St	Home Connes	cted Clients Network Settings Help About
Basic Advanced WPS Start Start Basic	LAN Settings	WPS
Basic Start button to initiate WPS process. Advanced WPS Status: IDLE WPS Start	Wi-Fi Settings 🕞	
WPS Start Slap	Basic	
Start	Advanced	WPS Status: IDLE
	WPS	
	Device Settings	Start

🥦 "WPS Status" changes to "PROCESSING."

3

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

Home Connec	tted Clients Network Settings Help About
LAN Settings	WPS
Wi-Fi Settings 🔶	Wi-Fi Protected Setup is a special way to connect Wi-Fi. The AP and
Basic	client can automatically exchange security settings. You can simply press Start button to initiate WPS process.
Advanced	WPS Status: PROCESSING
WPS	
Device Settings	Stop

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

🏁 If connection is successful, WLAN connection counter number on Display of Wi-Fi router increases by one.

Changing Login Password for Web UI

Change Login password.

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

oftBank	.il 4G SoftBank 🕮 📋 📰 English 🛩 Logou
Home Connected	I Clients Network Settings Help About
LAN Settings	Web UI Password
WI-FI Settings	This page is used to change login password.
Device Settings	Current Password:
Web UI Password	New Password:
Notification	Confirm Password:
Data Usage Settings	
USB Mode	Apply
Backup/Restore	
Software Update	
Reset Default	
Rebout	

Enter current password

Home	Connected	Clients Network	Settings	Help	About
LAN Settings		Web UI Passwor	d		
WI-FI Settings		This page is used to	change login passw	ord.	
Device Settings	•	Current Password:			
Web UI Pas	isword	New Password:		_	
Notification		Confirm Password:			
Data Usage Settings		Apply			
USB Mode					
Backup/Res	store				
Software U	pdate				
Reset Defa	ult				
Rehaut					

3

Enter new password

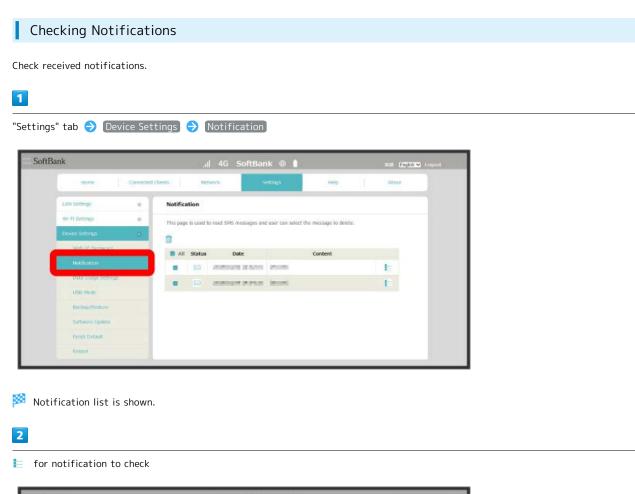
17 Contraction		Web UI Passwo			
LAN Settings		Web UI Passwo	u.		
WI-FI Settings		This page is used to	change login password	ŝ.	
	•	Current Password:			
	word	New Password:			
Notification		Confirm Password:			
Data Usage Settings		Apply			
USB Mode					
Backup/Rest	tore				
Software Up	date				
Reset Defaul	t				
Rebout					

Enter new password again ラ Apply

4

LAN Setting	5 0	Web UI Passwo	rd		
WI-FI Settin					
Paratesta	1947211	This page is used to	change login passwo	rd.	
Device Setti	ngs o	Current Password:			
Web U	I Password	New Password:			
Notifica	stion	Confirm Password:			
Data U Setting		Apply			
USB-M	ode				
Backup	/Restore				
Softwa	re Update				
Reset (Default				
Referent					

🏁 New password is set.



Home	Connected	Cherts	Net	swork a		Help	About
LAN Settings		Notifici	ation				
W-Fi Settings		This page	e is used t	o read SMS messages an	d user can seler	t the message to delete.	
Device Settings	.6	-					
Web OJ Password			Status	Date		Content	
Notification				And the Real Property lies in the left	process.		
Data Usage Settin	95.			-	(man)		-
USB Mide							
Backup/Restore							
Software Opdate							
Reset Default							
Rebool							

🏁 Notification is shown.

Selecting and Deleting Notifications

Delete received notifications.

L

ioftBank _iii 4G SoftBank @ 🛔 🛛 🛲 🖅 topost	ings" tab ラ De	vice Settings) 🔿	Notification		

	- 6	17					
Web of Respect	_	AB	Status	Date		Content	
Notification			52	Annual States	POR		te -
Data usage Settings				-	incomi		E.
USE Minde							
Backup/Sectore							
Software Opdate							
Reset Donald							
Rebook							

🏁 Notification list is shown.

2

Checkmark notifications to delete

					The second second second			
Home	Connected	Clients	Net	twork.	ettings	Help	óbouz	
LAN Settings		Notific	ation					
W-Fi Settings		This pag	e is used t	to read SMS messages and	user can select	the message to delete.		
	.0	-						
Web UI Password		All	Status	Date		Content		
Notification			12	And the Real Property lies in the Property lies int	process.		E.	
Data Usage Settings			8		(married		E	
USB Mude		-	11					
Bockup/Restore								
Software Opdate								
Reset Dotwilt								
Rebool								

 \cdot Checkmark the top checkbox to select all.

oftB	Bank			ıl 4G SoftBar	ak 🕮 📋		=# E	and topot	
	Home Con	lected Clients	Ter.	fwork	ettings	Help	Abour		
	LAN Settings	Notif	ication						
	W-Fi Settings	This p	age is used	to read SMS messages an	f user can select t	he message to delete.			
	Device Settings								
	Web OI Password		ll Status	Date		Content			
	Notification		12	And the Real Property lies in the local sectors of	process.		E.		
	Data Usage Settings				(married		E		
	USB Mude								
	Backup/Septem								
	Software Opdate								
	Reset Dotoilt								
	Rebook								

4

OK

	×
This site says	
Are you sure you want to delete t	he sms?
ОК	Cancel

🏁 Notification is deleted.

Show data traffic volume on Lock Screen and Icon

L

Image: SoftBank ... AG SoftBank Image: SoftBank I

I-Fi Settings 🔹 🛞	Data traffic is an approximate value. Actual value can be found on support web site.
evice Settings 🛞	2.74 MB
Web UI Password	2.7470
Notification	Reset
Data Usage Settings	Show usage on lock screen and icon
USB Mode	Monthly Data Usage:
Backup/Restore	Duration: 22 day 21:10:43 Downlink Data: 2.11 MB
Software Update	Uplink Data: 642 KB
Reset Default	Last Reset Date: 2019-10-01 Auto Reset Date: 31 V
Reboot	Maximum Data Usage: 7 GB ~
	Apply

English 🗸

About

Help



ftBank	.ıl 4G SoftBank 🕀 📋 🛛 🛲 English 😽				
Home Connected	Clients Network Settings Help About				
LAN Settings	Data Usage Settings				
Wi-Fi Settings	Data traffic is an approximate value, Actual value can be found on support web site.				
Device Settings 😱					
Web UI Password	2.74 MB				
Notification	7 GB				
Data Usage Settings	Show usage on lock screen and icon				
USB Mode	Monthly Data Usage:				
Backup/Restore	Duration: 22 day 21:10:43 Downlink Data: 2.11 MB				
Software Update	Uplink Data: 642 KB				
Reset Default	Last Reset Date: 2019-10-01 Auto Reset Date: 31 ~				
Reboot	Maximum Data Usage: 7 GB ~				

🏁 Data traffic volume is shown on Lock Screen and Icon.

Setting Maximum Traffic

Set monthly data traffic volume. When data traffic volume exceeds the set volume, Notification on Home Screen of Wi-Fi router appears.

- When data traffic volume exceeds the set maximum volume, Wi-Fi router's icon 📳 (bar icon) changes to 🚍 (red bar icon).
- Maximum traffic volume does not mean a limit on data communication. Use this volume as measure of usage.

Sof	tBank	.ıl 4G SoftBank 🕀 🛔 🚎 English 🗸 Low
	Home Connected	f Clients Network Settings Help About
	LAN Settings	Data Usage Settings
	Wi-Fi Settings	Data traffic is an approximate value. Actual value can be found on
	Device Settings	support web site.
	Web UI Password	2.74 MB
	Notification	7 GB
	Data Usage Settings	Show usage on lock screen and icon
	USB Mode	Monthly Data Usage:
	Backup/Restore	Duration: 22 day 21:10:43 Downlink Data: 2.11 MB
	Software Update	Uplink Data: 642 KB
	Reset Default	Last Reset Date: 2019-10-01
	Rebot	Auto Reset Date: <u>31 v</u> Maximum Data Usage: 7 GB v
		usage. <u>1</u> db v

Home Connected	d Clients Network Settings Help About
LAN Settings	Data Usage Settings
Wi-Fi Settings	Data traffic is an approximate value. Actual value can be found on
Device Settings 😱	support web site.
Web UI Password	2.74 MB
Notification	7 GB
Data Usage Settings	Show usage on lock screen and icon
USB Mode	Monthly Data Usage:
Backup/Restore	Duration: 22 day 21:10:43 Downlink Data: 2.11 MB
Software Update	Uplink Data: 642 KB
Reset Default	Last Reset Date: 2019-10-01 Auto Reset Date: 31 V
Reboot	Maximum Data Usage: 7 GB ~

_

🏁 Maximum traffic is set.

 $^{\cdot}$ Select a unit $\ensuremath{\mbox{GB}}$ or $\ensuremath{\mbox{MB}}$.

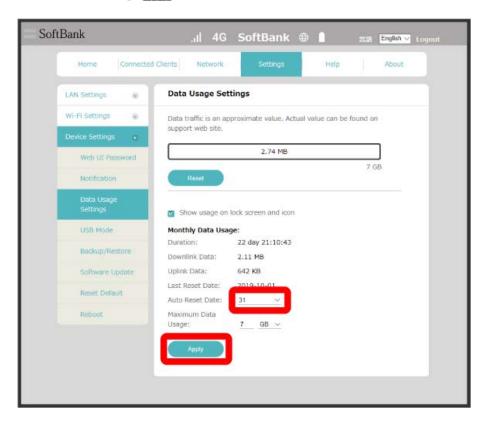
L

Set date of month for automatically resetting accumulated data traffic.

Bank	.ıl 4G	SoftBank 🕀		크리 English 🗸 (Logout
Home Connected	d Clients Network	Settings	Help	About	
LAN Settings	Data Usage Sett	ings			
Wi-Fi Settings		proximate value. Actual v	value can be fo	und on	
Device Settings	support web site.				
Web UI Password		2.74 MB			
Notification	Reset			7 GB	
Data Usage Settings	Show usage on k	ock screen and icon			
USB Mode	Monthly Data Usag	e:			
Backup/Restore	Duration:	22 day 21:10:43			
Software Update	Downlink Data: Uplink Data:	2.11 MB 642 KB			
Reset Default	Last Reset Date:	2019-10-01			
	Auto Reset Date:	<u>31 v</u>			
Reboot	Maximum Data Usage:	7 GB \sim			

2

Select auto reset date ラ Apply



🏁 Auto reset date is set.

- \cdot Select value between 1 and 31.
- \cdot If 31 is set, data usage is reset at the end of the month.

Setting USB Standard

Set USB standard.

"Settings" tab 🔿 Device Settings 🔿 USB Mode

LAN Settings	USB Mode
Wi-Fi Settings	
Device Settings	Set up the communication standard of USB. Improve the USB data communication speed by using USB3.0.
Web UE Password	Connection may not be made properly while in use depending on usage environment.
Notification	USB Mode: 0 2.0 0 3.0
Data Usage Settings	Apply
USB Mode	
Backup/Restore	
Software Update	
Reset Default	
Rehout	

2.0 / 3.0 → Apply → OK ...II 4G SoftBank ⊕ 🗎 🔤 🖽 English 👽 Los SoftBank Home Connected Clients Network Help About LAN Settings USB Mode 6 Wi-Fi Settings 8 Set up the communication standard of USB. Device Settings Improve the USB data communication speed by using USB3.0. Connection may not be made properly while in use depending on usage Web UI Password environment. Notification USB Mode: 0 2.0 0 3.0 Data Usage Settings Backup/Restore Software Update Reset Default

Device is restarted and USB communication standard is set.



Back up all settings of Wi-Fi router such as Wi-Fi, firewall, or WAN settings in your computer in XML file.

oftBank	.ıl 4G SoftBank ⊕ 💼 🛲 English 🛩 Logout
Home Connected	d Clients Network Settings Help About
LAN Settings	Back & Restore
Wi-Fi Settings	To save a file containing all your device's configuration settings, like Wi-
Device Settings 🕞	Fi settings, firewall settings, WAN setup etc. to a file on your computer. This file can then be used to restore your settings if the device is reset to
Web UI Password	the Factory Default settings.
Notification	Backup current settings
Data Usage Settings	Backup
USB Mode	Restore Configuration
Backup/Restore	
Software Update	Browse
Reset Default	Restore
Retwork	

2

Backup

LAN Settings		Back & Restore				
Wi-Fi Settings		To save a file containing all your device's configuration settings, like Wi-				
Device Settings		Fi settings, firewall settings, WAN setup etc. to a file on your computer. This file can then be used to restore your settings if the device is reset to				
Web UI Pass	sword	the Factory Default settings.				
Notification		Backup current settings				
Data Usage Settings		Backup				
USB Mode		Restore Configuration				
Backup/Res	tore					
Software Up	odate	Browse				
Reset Defau	lt	Restore				
Rebout						

🏁 XML file for backup is downloaded.

- \cdot Default XML file name for backup is "settings.xml."
- \cdot When a confirmation screen appears, follow the onscreen instructions.

Restoring Settings

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

Bank	.ıl 4G SoftBank ⊕ 💼 📰 English 🖌 togout
Home Connected	ed Clients Network Settings Help About
LAN Settings	Back & Restore
Wi-Fi Settings	To save a file containing all your device's configuration settings, like Wi-
Device Settings	Fi settings, firewall settings, WAN setup etc. to a file on your computer. This file can then be used to restore your settings if the device is reset to
Web UI Password	the Factory Default settings.
Notification	Backup current settings
Data Usage Settings	Backup
USB Mode	Restore Configuration
Backup/Restore	Browne
Software Update	Drowse
Reset Default	Rastore
Return	

2

Browse 🔿 Select downloaded XML file

LAN Settings	Back & Restore					
Wi-Fi Settings	To save a file containing all your device's configuration settings, like Wi-					
Device Settings	Fi settings, firewall settings, WAN setup etc. to a file on your computer. This file can then be used to restore your settings if the device is reset to					
Web UI Password	the Factory Default settings.					
Notification	Backup current settings					
Data Usage Settings	Backup					
USB Mode	Restore Configuration					
Backup/Restore						
Software Update	Browse					
Reset Default	Rastore					
Return						

3

Restore

LAN Settings		Back & Restore
WI-FI Settings		To save a file containing all your device's configuration settings, like Wi-
Device Settings	•	Fi settings, firewall settings, WAN setup etc. to a file on your computer. This file can then be used to restore your settings if the device is reset to
Web UI Pa	ssword	the Factory Default settings.
Notification	1	Backup current settings
Data Usage Settings	8	Backup
USB Mode		Restore Configuration
Backup/Re	store	settings.xml Browse
Software U	lpdate	seeiings xmi Browse
Reset Defa	alt	Restore
Refront		

🏁 Restoration of settings start.

Setting Auto Software Update

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

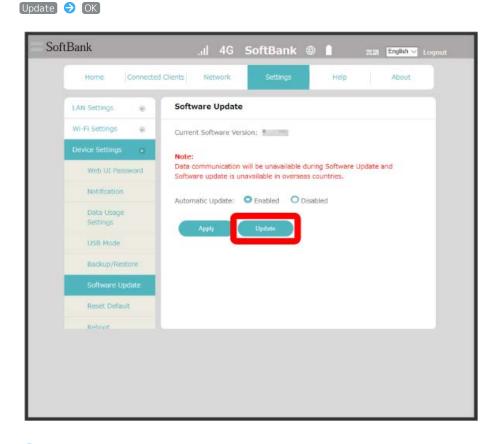
oftBank	.ıl 4G SoftBank 🕀 📋 🛲 English 😪 to
Home Connected	d Clients Network Settings Help About
LAN Settings	Software Update
WI-FI Settings	Current Software Version:
Device Settings 🕞	Note:
Web UI Password	Data communication will be unavailable during Software Update and Software update is unavailable in overseas countries.
Notification	Automatic Update: O Enabled O Disabled
Data Usage Settings	, manual abares control
USB-Mode	Apply Update
Backup/Restore	
Software Update	
Reset Default	
Rebout	

2

Enabled / Disabled 🔿 Apply ...I 4G SoftBank ⊕ 🛔 📰 English 🗸 Logo SoftBank Home Connected Clients Network Help About Software Update LAN Settings 6 Wi-Fi Settings 8 Current Software Version: Device Settings 😱 Note: Data communication will be unavailable during Software Update and Software update is unavailable in overseas countries. Web UI Password Notification Automatic Update: • Enabled • Disabled Data Usage Settings USB Mode Backup/Restore Reset Default Rebont

Enabled / Disabled of automatic software update is switched.

ftBank	.ıl 4G SoftBank ⊕ 💧 🚎 English 🖌 Logout
Home Connected	Clients Network Settings Help About
LAN Settings	Software Update
Wi-Fi Settings	Current Software Version:
Device Settings	Note:
Web UI Password	Data communication will be unavailable during Software Update and Software update is unavailable in overseas countries.
Notification	Automatic Update: O Enabled O Disabled
Data Usage Settings	Apply Update
USB Mode	
Backup/Restore	
Software Update	
Reset Default	
Rehaut	



🏁 Wi-Fi router checks the latest software.

• When current software is the latest, "There are no available software releases. Your software is the latest." appears. When software is not latest version, software is updated.

👸 Software Update

Packet communication charges are not applied for software update. While software is updated, other functions such as data communication are unavailable. Software update is not available during international roaming.

Resetting Wi-Fi Router

Restore Wi-Fi router settings to their factory defaults.

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

1

L

"Settings" tab ⋺ Device Settings ⋺ Restore Default

Home Connected	d Clients Network Settings Help About
LAN Settings	Restore Default
WI-Fi Settings	Click on the button "Restore Factory Settings" will reset current settings
Device Settings	to factory default settings.
Web UI Password	Restore Factory Settings
Notification	
Data Usage Settings	
USB Mode	
Backup/Restore	
Software Update	
Reset Default	
Rebout	

Restore Factory Settings

Ноте	Connected	Clients	Network	Settings		Help		About
LAN Settings		Rest	ore Default					
Wi-Fi Settings				Restore Factory	Settings"	will reset cu	ment se	ttings
Device Settings	•	to fac	tory default se	ttings.				
Web UI Pas	sword	R	estore Factory St	ttings				
Notification								
Data Usage Settings								
USB Mode								
Backup/Res	store							
Software U	pdate							
Reset Defau	att							
Rebout								

3

OK

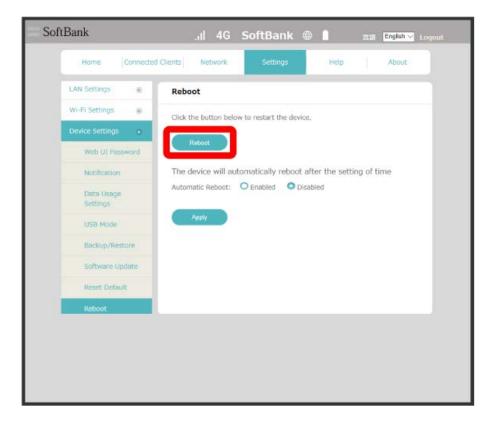
LAN Settings		estore Default			
Wi-Fi Settings	• A	re you sure you want	to restore to factor	y setting?	
Device Settings	· · [ок	Cancel		
Web UI Pass	sword				
Notification					
Data Usage Settings					
USB Mode					
Backup/Res	tore				
Software Up	idate				
	it.				
Rebout					

🧭 Wi-Fi router reboots to its default settings.

tBank	.ii 4G SoftBank 🕀 🛔 🚟 English 🛩 Logo
Home Connected	d Clients Network Settings Help About
LAN Settings	Reboot
Wi-Fi Settings	Click the button below to restart the device.
Device Settings +	
Web UI Password	Rebool
Notification	The device will automatically reboot after the setting of time
Data Usage Settings	Automatic Reboot: O Enabled O Disabled
USB Mode	Apply
Backup/Restore	
Software Update	
Reset Default	
Reboot	

(Reboot)

Restarting Wi-Fi Router



3 OK

LAN Settings		Reboot				
Wi-Fi Settings	9	Are you s	ure you wa	nt to reboot t	he device?	
Device Settings	•	Ож		Cancel		
Web UI Pas	sword			Provident		
Notification						
Data Usage Settings						
USB Mode						
Backup/Res	tore					
Software U	odate					
Reset Defau	it					
Reboot						

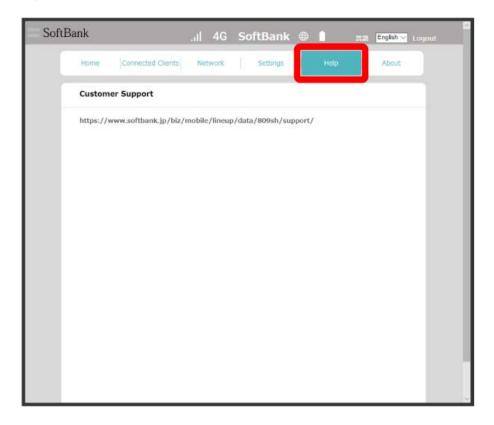
🏁 Wi-Fi router is restarted.

Showing Support Website

Shows Website of Support Center and product information page.



"Help" tab



🏁 Website URL appears.

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
Software Version	Current software version
Hardware Version	Hardware version

1

"About" tab

SoftI	Bank	.iil 40	G SoftBank	k 🕀 📋	크려 English 🗸 Logout
	Home Connected	Clients Network	: Settings	Help	About
	About				
	Phone Number:				
	ACCESSION NAMES OF				
	Current APN Profile:				
	100000000000000000000000000000000000000				
	IMEI:				
	100.0010-000000				
	Max Access Number:				
	10				
	LAN Domain:				
	web.setting				
	Software Version:				
	No. 8 (m)				
	Hardware Version:				

🏁 Check device information.

Settings (Using Mobile WEB UI)

Overview of Web UI	160
Web UI Window	163
Setting Mobile Network	165
Setting Wi-Fi	170
Device Settings	187
Switching to PC Web UI	203
Checking Wi-Fi Router Information	205

Overview of Web UI

Access Web UI from a smartphone etc. to show Web UI page for mobile devices. SoftBank Corp. does not guarantee compatibility with all mobile devices. Available functions differ in Web UI for mobile devices and Web UI for computers. Select English from language list.

Activating Web UI

1

Confirm that Wi-Fi router and mobile device are connected via $\ensuremath{\mathsf{WLAN}}$

 \cdot For instruction for WLAN connection, see "WLAN (Wi-Fi) ."

2

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

🏁 Web UI Home Page appears.

 \cdot Select English from language list.

Logging into Web UI

1

In Web UI Home Page, Login

SoftBank	الد	4G	SoftBank	· @]	CIC Englis	Login
Home	PC View			About		
Connection Status						8
Status: Connected						
Mode: 4G						
Connection Time: 0 day 00:24:43						
WAN IPv4 Address:						
DNS Server: Salar and an analysis at the						
IPv6 Address:						
IPv6 DNS Server:						
LAN IP Address:						
LAN MAC Address:						
·						-

Settings (Using Mobile WEB UI)

🏁 Login window opens.

Enter Login password ラ Login

SoftBank	al 46	SoffBanh 😄		AN ENDER LAND
-				
Connection Status Extransi Committee Marker 44 Commettee Time: 0 day (21.17.37 WAN (Part Address) IMAS Server IMAS Address) IMAS Server IMAS Address) IMAS Address)		assword to login	8	

🟁 Login is complete.

· Password for Web UI is "admin" by default. For Login password, see "Changing Login Password for Web UI."

Web UI Window

ayout			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
			3
	SoftBank		
	Home PC	View About	4
	Connection Status		
	Status: Connected		
	Mode: 40 Connection Time: 0 day 00:24:43		
	WAN IPv4 Address:		
	DNS Server:		
	IPv6 DNS Server:		
	LAN IP Address:		
	LAN MAC Address:		
	Item		Description
	rtem		
in Menu		Toggle tab menu.	

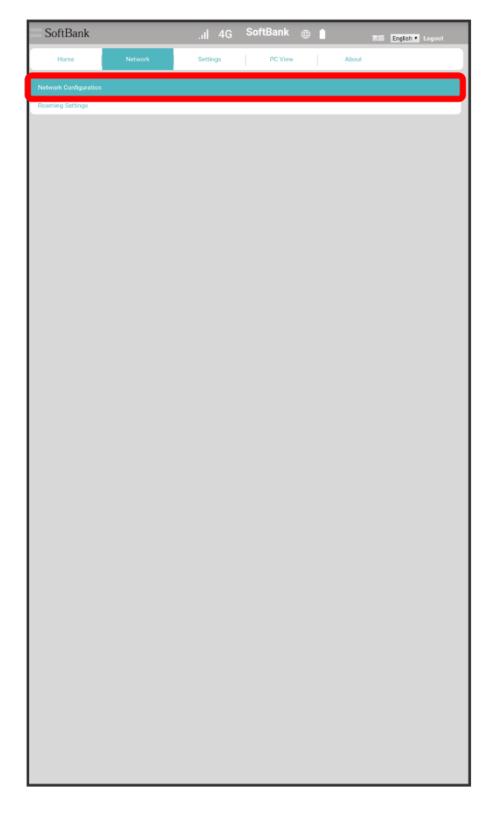
	Status: Shows connection status.
	Mode: Shows network type used.
	Connection time: Shows connection time.
	WAN IPv4 Address: Shows IPv4 address of WAN.
	DNS Server: Shows IP address of DNS server.
	IPv6 Address: Shows IPv6 address of WAN.
	IPv6 DNS Server: Shows IPv6 address of DNS server.
	LAN IP Address: Shows IPv4 address of LAN
	LAN MAC Address: Shows LAN and MAC address.
	· Wi-Fi Status
	Status: Shows Wi-Fi status.
	SSID A: Shows SSID A name.
2 Connection Status/Wi-Fi Status/	Number of clients attached: Shows the number of WLAN devices connected to SSID A.
Data Usage ¹	When WLAN devices are connected, host names are shown in red.
	SSID B: Shows SSID B name.
	Number of clients attached: Shows the number of WLAN devices connected to SSID B.
	When WLAN devices are connected, host names are shown in red.
	· Data Usage
	Download Volume: Shows downloaded data volume.
	Upload Volume: Shows uploaded data volume.
	Duration: Shows period of time after data traffic volume was reset.
	International Roaming: Shows period of time after international roaming started.
	Download Volume: Shows downloaded data volume on international roaming.
	Upload 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.
3 Language	Switch language.
4 Login/Logout	Log in to/Log out of Web UI.

1 Tap > on the upper left of the screen to toggle "Connection Status"/"Wi-Fi Status"/"Data Usage."

Changing Network Mode

Select network mode of mobile network manually.

"Network" tab 🔶 Network Configuration



[4G/LTE/3G] / [4G/LTE] ⇒ [Apply]

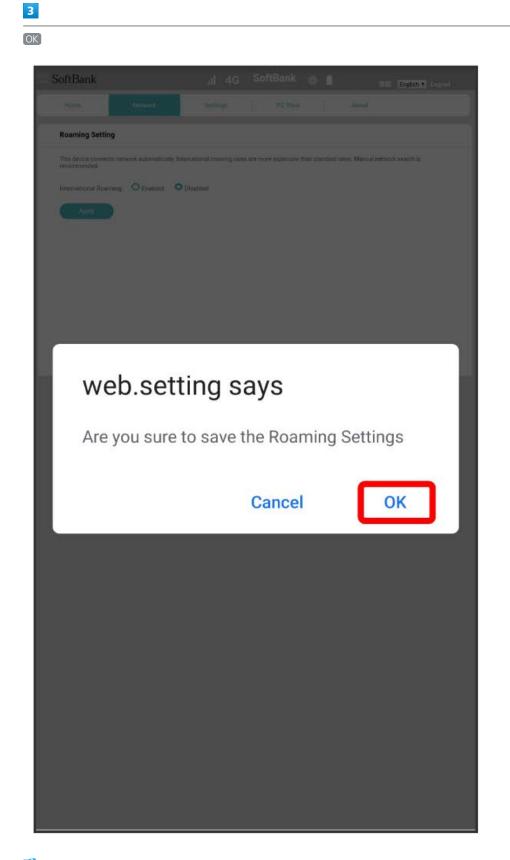
SoftBank	.ıl 4G	SoftBank	•		English V Logout
Home Network	Settings	PC Viev	e	About	
Network Configuration					
Network Mode: 4G/LTE/3G	-				
Apply					

🏁 The desired network is set.

International Roaming						
et International data roaming.						
1						
"Network" tab 🔿 [Roaming Settings]						
SoftBank	.ıl 4G SoftBank 🌐 💼 📷 English 🛛 Logout					
Home Network	Settings PC View About					
Network Configuration						
Roaming Settings						

Enabled 🔶 Apply

SoftBank	. ₁₁ 1 4G	SoftBank	•	RE English K Logout
Hortje Network	Settings	PC View	Abo	at
Roaming Setting				
This device connects network automatically, Inten recommended	national rearning rate	is are more expensive t	than standard rates. Mar	nual network search is
International Roaming: CEnabled	isabled			
Арріу				



Minternational roaming setting is applied.

Setting Wi-Fi

Wi-Fi Basic Settings (SSID A)

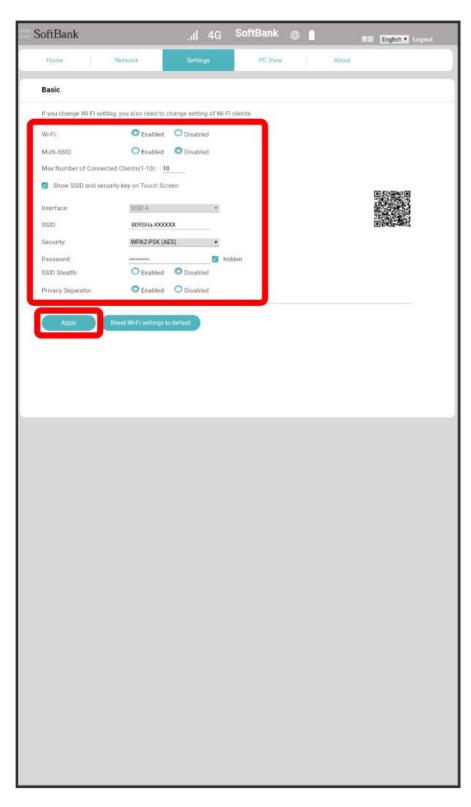
Make basic WLAN settings for SSID A. Setting items are as follows:

Item	Description
Wi-Fi	Set whether to enable WLAN.
Multi-SSID	Set to enable SSID B.
Max Number of Connected Clients (1-10)	Set the number of connectable devices to Wi-Fi router.
Show SSID and security key on Touch	Checkmark to show SSID and password (Security Key) when Manual Connection is tapped on
Screen	Wi-Fi router's Touch Menu.
Interface	Select SSID to set. Not selectable by default. Only SSID A is shown. If Multi-SSID is enabled,
interrace	SSID B becomes also selectable.
SSID	Set SSID A name that is shown on WLAN devices to be connected.
Security	Set security.
Password	Set password.
SSID Stealth	Set whether not to notify SSID A name of Wi-Fi router.
Privacy Separator	Set whether to prohibit interactive communication between WLAN devices connected to SSID A.

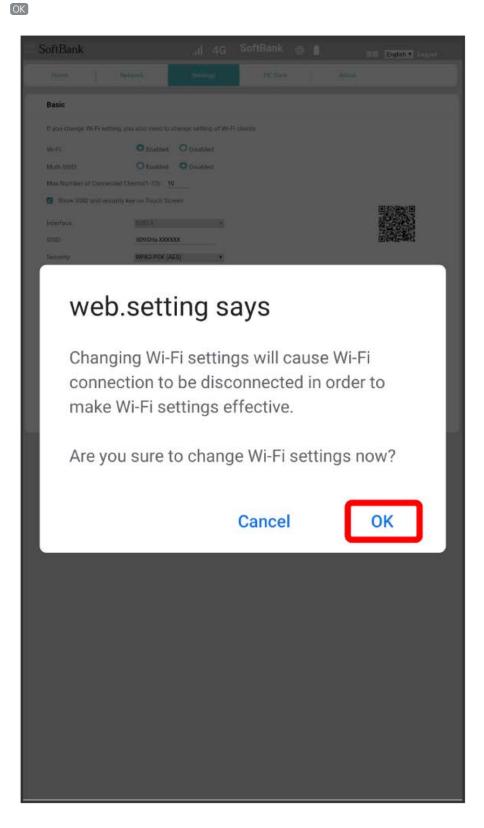
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SoftBank		.ıl 4G	SoftBank	⊕ ।		副語 English T Logout	
	Network	Settings	PC View		About	Alls English V Logout	
Wi-Fi Settings							
Basic							
Advanced							
WPS Device Settings							•
							÷

Set each item 🔶 Apply







🏁 Wi-Fi is disconnected and Wi-Fi setting for SSID A is performed.

· Reset Wi-Fi settings to default ⊖ OK to restore Wi-Fi settings to factory default.

Enabling Multi SSID Function (SSID B)

Make basic WLAN settings for SSID B. Enable Multi-SSID beforehand. Setting items are as follows:

Item	Description
Wi-Fi ¹	Set whether to enable WLAN.
Multi-SSID	Set to enable SSID B.
Multi-SSID AP Isolation ²	Set whether to permit interactive communication between SSID A and SSID B connected devices.
Max Number of Connected Clients (1-10) ¹	Set the number of connectable devices to Wi-Fi router.
Show SSID and security key on Touch	Checkmark to show SSID and password (Security Key) when Manual Connection is tapped on
Screen ¹	Wi-Fi router's Touch Menu.
Interface	Select SSID to set. Not selectable by default. Only SSID A is shown. If Multi-SSID is enabled,
	SSID B becomes also selectable.
SSID	Set SSID B name that is shown on WLAN devices to be connected.
Security	Set security.
Password	Set password.
SSID Stealth	Set whether not to notify SSID B name of Wi-Fi router.
Privacy Separator	Set whether to prohibit interactive communication between WLAN devices connected to SSID B.
Access the Web Interface ²	Set whether to permit access to Web UI from WLAN devices connected to SSID B.

1 Setting common to SSID A/SSID B.

2 Available when "Multi-SSID" is set to Enabled .

1	75

SoftBank	.ııl 4G	SoftBank 🌐 🍵	Eise English •	Logout
Home Network	Settings	PC View	About	
W-Fi Settings				
Basic				
Advanced				
WPS Device Settings				
erne sennige				

Set "Multi-SSID" to Enabled

SoftBank		.ıl 4G			ELE English V Logout
Home	Network	Settings	PC View	About	
Basic					
If you change Wi-Fi set	tting, you also need to ch	ange setting of Wi-F	i clients.		
WI-FI.	C Enabled	O Disabled			
Multi-SSID	O Enabled	O Disabled			
Multi-SSID AP Isolation	T O Enabled	O Disabled			
Max Number of Conne	cted Clients(1-10): 10				
Show SSID and se	curity key on Touch Scree	m			
Interface:	SSID A				2025
SSID:	809SHa-XXXXXX	(
Security:	WPA2-PSK (AES				
Password:	*******	🛃 hi	dden		
SSID Stealth:	O Enabled	O Disabled			
Privacy Separator	O Enabled	O Disabled			

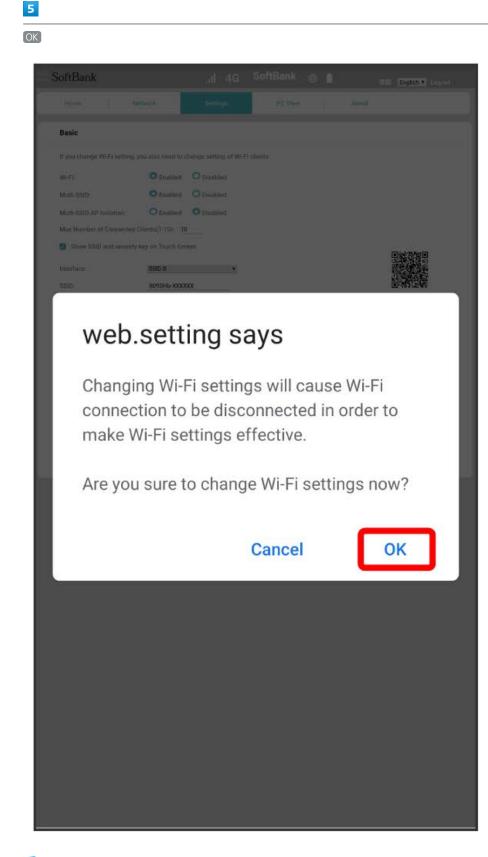
Select	SSID B	l in	"Interface"
Jereee	5510 0	,	milleriuce

Normal Seetings Providence WFF rectiling you also bacted to charge setting of W-F rickets View Providence WFF rectiling you also bacted to charge setting of W-F rickets Wiew Providence Wiewer Billing wie also bacted to charge setting of W-F rickets Wiewer Billing wie also bacted to charge setting of W-F rickets Wiewer Billing wie also bacted to charge setting of W-F rickets Wiewer Billing wie also bacted to charge setting of W-F rickets Wiewer Billing wie also bacted to charge setting of W-F rickets Wiewer Billing wie also bacted to charge setting of W-F rickets Wiewer Billing wie also bacted to charge setting of W-F rickets Wiewer Billing wie also bacted to charge setting of W-F rickets Wiewer Billing wie also bacted to charge setting of W-F rickets Wiewer Billing wie also bacted to charge setting of W-F rickets Wiewer Billing wie also bacted to charge setting of W-F rickets Wiewer Billing wie also bacted to charge setting of W-F rickets Wiewer Billing wie also bacted to charge setting to charge se	Basic It you change Wi-Fi setting, you also heed to change setting of Wi-Fi clients. Wi-Fi Enabled Disabled Di	SoftBank		.ill 4G	SoftBank	•	EIII English V Logout
If you change Wi-Fi setting, you also heed to change setting of Wi-Fi clients. Wi-Fi: Enabled Disabled Mutti-SSID Enabled Disabled Mutti-SSID AP isolation: Enabled Disabled Max Number of Connected Clients(1-10): 10 Interface: SSID B BO9SHb-XXXXXXX Scurity: WPA2/PSK(AES) Password: Enabled Disabled SSID Stealth: Enabled Disabled Privacy Separator: Enabled Disabled 	If you change Wi-Fi setting, you also heed to change setting of Wi-Fi clients. Wi-Fi: Enabled Disabled Mutti-SSID Enabled Disabled Mutti-SSID AP isolation: Enabled Disabled Mutti-SSID AP isolation: Enabled Disabled Max Number of Connected Clients(1-10): 10: Interface: SSID: 809SHb-XXXXXXX Security: Password: SSID Stealth: Enabled Disabled Privacy Separator: Enabled Disabled Access the Web interface:	Home	Network	Settings)	PC View		About
WI-FI: Enabled Disabled Mutti-SSID Enabled Disabled Mutti-SSID AP Isolation: Enabled Disabled Max Number of Connected Clients(1-10): 10 Image: Show SSID and security key on Touch Screen SSID: 809SHb-XXXXXX SSID: 809SHb-XXXXXX Security: WPA2/PSK(AES) Pasisword: Enabled Disabled Privacy Separator: Enabled Disabled Privacy Separator: Enabled Disabled Access the Web interface: Allow Derey 	WI-FI: Enabled Disabled Mutti-SSID Enabled Disabled Mutti-SSID AP Isolation: Enabled Disabled Max Number of Connected Clients(1-10): 10 Show SSID and security key on Touch Screen Interface: SSID B SSID B SSID B SSID: B09SHb-XXXXXX Solow SCID Privacy Separator: Enabled Disabled Privacy Separator: Enabled Disabled Allow Derey Mathematical Stream (Stream) Mathematical Stream (Stream) Mutti-Stream (Stream) Mathematical Stream (Stream) Model Stream (Stream) Enabled (Stream) Disabled Disabled Muthematical Stream (Stream) Muthematical Stream (Stream) Model Disabled Disabled Muthematical Stream (Stream) Enabled (Stream) Disabled Access the Web inthematical Str	Basic					
Multi-SSID Enabled Disabled Multi-SSID AP Isolation: Enabled Disabled Multi-SSID AP Isolation: Enabled Disabled Multi-SSID AP Isolation: Enabled Disabled Multi-SSID and security key on Touch Screen SSID B SSID B SSID: B09SHb-XXXXXX Security: WPA2/PSK(AES) Password: Enabled Disabled PsiD Stealth: Enabled Disabled Privacy Separator: Enabled Disabled Access the Web Interface: Deny 	Multi-SSID Enabled Disabled Multi-SSID AP Isolation: Enabled Disabled Multi-SSID and security key on Touch Screen SSID B SSID B SSID B SSID B Password: 	If you change Wi-Fi settin	g, you also need to c	hange setting of Wi-F	i clients.		
Mutti-SSID AP isolation: Enabled Disabled Max Number of Connected Clients(1-10): 10 Show SSI0 and security key on Touch Screen Interface: SSID: 809SHb-XXXXXX Security: WPA2-PSK(AES) Reservord: Enabled Disabled Privacy Separator: Enabled Disabled Allow Deny	Mutti-SSID AP isolation: Enabled Disabled Max Number of Connected Clients(1-10): 10 Show SSI0 and security key on Touch Screen Interface: SSID: 809SHb-XXXXXX Security: WPA2-PSK(AES) Reserved: Enabled Disabled Privacy Separator: Enabled Disabled Allow Deny	WI-FI.	O Enabled	O Disabled			
Max Number of Connected Clients(1-10): 10 Show SSID and security key on Touch Screen Interface: SSID: 809SHb-XXXXXX Security: Password: SSID Stealth: Privacy Separator: Privacy Separator: Consbled Access the Web interface: Construction Const	Max Number of Connected Clients(1-10): 19 Show SSID and security key on Touch Screen Interface: SSID: 809SHb-XXXXXX Security: Password: SSID Stealth: Privacy Separator: Privacy Separator: Consbled	Mutti-SSID	O Enabled	O Disabled			
Show SSID and security key on Touch Screen Interface: SSID B SSID: 809SHb-XXXXXX Security: WPA2/PSK(AES) Password: © Enabled Disabled Privacy Separator: © Enabled Access the Web Interface: O Disabled	Show SSID and security key on Touch Screen Interface: SSID B SSID: 809SHb-XXXXXX Security: WPA2/PSK(AES) Password: Image: Thirden SSID Stealth: Image: Thirden SSID Stealth: Image: Thirden Privacy Separator: Image: Thirden Access the Web Interface: Image: Thirden	Multi-SSID AP Isolation:	O Enabled	O Disabled			
Interface: SSID E SSID: 809SH5-XXXXXX Security: WPA2.PSK(AES) Password: Privacy Separator: SSID Stealth: © Enabled Privacy Separator: © Enabled Privacy Separator: © Enabled Access the Web Interface: © Allow	Interface: SSID E SSID: 809SH5-XXXXXX Security: WPA2.PSK(AES) Password: Privacy Separator: SSID Stealth: © Enabled Privacy Separator: © Enabled Privacy Separator: © Enabled Access the Web Interface: © Allow	Max Number of Connects	ed Clients(1-10): 10	<u> </u>			
SSID: 809SHb-XXXXXXX Security: WPA2/PSK(AES) • Password: Interface: Interface: Interface: Allow Interface: Int	SSID: 809SHb-XXXXXXX Security: WPA2/PSK(AES) • Password: Interface: Privacy Separator: Enabled Obisabled Privacy Separator: Enabled Obisabled Access the Web Interface: Allow Oberry	Show SSID and secur	rity key on Touch Scr	een			
SSID: 809SHb-XXXXXXX Security: WPA2/PSK(AES) Password: Image: Comparison of the system	SSID: 809SHb-XXXXXXX Security: WPA2/PSK(AES) Password: Image: Comparison of the system	Interface:	SSID B				
Password: Image: Constraint of the system SSID Stealth: Image: Constraint of the system Privacy Separator: Image: Constraint of the system Access the Web Interface: Image: Allow	Password: Image: Constraint of the system SSID Stealth: Image: Constraint of the system Privacy Separator: Image: Constraint of the system Access the Web Interface: Image: Allow	SSID:	809SHb-XXXX				
SSID Stealth: • Enabled • Disabled • Disab	SSID Stealth: • Enabled • Disabled • Disab	Security:	WPA2-PSK(AE	5} •			
Privacy Separator: Disabled Disabled Access the Web Interface: Allow Deny	Privacy Separator: Disabled Disabled Access the Web Interface: Allow Deny	Password:			dden		
Access the Web Interface: O Allow O Deny	Access the Web Interface: O Allow O Deny	SSID Stealth:	O Enabled	O Disabled			
		Privacy Separator:	O Enabled	O Disabled			
		Access the Web interface	Allow	ODenv			

Settings (Using Mobile WEB UI)

Set each item ラ 🗛 Apply

		.iil 4G			•		Eill English V Logou
Home	Network	Settings		PC View		About	
Basic							
If you change Wi-Fi settin	g, you also need to c	hange setting of W	ń-Fi clients				
WI-FI.	Enabled	O Disabled					
Multi-SSID	O Enabled	O Disabled					
Multi-SSID AP Isolation:	O Enabled	O Disabled					
Max Number of Connects	ed Clients(1-10): 10						
Show SSID and secut	ity key on Touch Scr	een					
Interface:	SSID B	٠					
SSID:	809SHb-XXXX	xx					調整
Security:	WPA2-PSK(AE	5) •					
Password:			hidden				
SSID Stealth:	O Enabled	O Disabled					
Privacy Separator:	Enabled	O Disabled					
Access the Web interface	: O Allow	O Deny					
Apply	Reset Wi Fi settings to	o default					
Apply	Reset Wi-Fi settings to	default					
Apply	Reset Wi Fi settings to	o default					
	Reset W) Fi settings to	o default					
Apply	Reset Wi Fi settings to) default					
Apply	Reset Wi Fi settings to	o default					
Apply	Reset W) Fi settings to	o default					
Apply	Reset Wi Fi settings to	o default					
Apply	Reset Wi Fi settings to	o default					
Apply	React W) Fi settings to	o default					
Apply	Reset Wi Fi settings t	o default					
Apply	Reaet W) Fi settings to	o default					
Apply	React W) Fi settings to	o default					
Apply	Reset Wi Fi settings t	o default					
Apply	Reaet Wi Fi settings to	o default					
Apply	React W) Fi settings to	o default					
Apply	Reset W) Fi settings to	o default					
Apply	React Wi Fi settings to	o default					



🏁 Wi-Fi is disconnected and Wi-Fi setting for SSID B is performed.

· Reset Wi-Fi settings to default
→ OK to restore Wi-Fi settings to factory default.

Wi-Fi Advanced Settings

Setting items are as follows:

Item	Description
Frequency Band	Select frequency band to use from 2.4 GHz/5 GHz. ¹
Mode	Set Wi-Fi communication standard.
Wi-Fi Channel	Set Wi-Fi channel.
Wi-Fi Bandwidth	Set Wi-Fi channel frequency band width.
Sleep Mode	Set whether to disable WLAN function automatically when Wi-Fi router does not connect to WLAN devices.
Sleep Mode Timer	Set time period before WLAN function is automatically set to OFF when Sleep Mode is enabled.
TX Power	Set Wi-Fi transmissions output. Suppressing transmissions output reduces interference with other communications.
TCP NAT Timer	Set time period to maintain sessions with no communications after a TCP session has been established. Input values are from 30 to 86400 seconds.
UDP NAT Timer	Set the times that UDP state management is maintained via the absence of communications. Input values are from 30 to 86400 seconds.

1 5 GHz cannot be selected if SIM Card is not inserted or during international roaming.

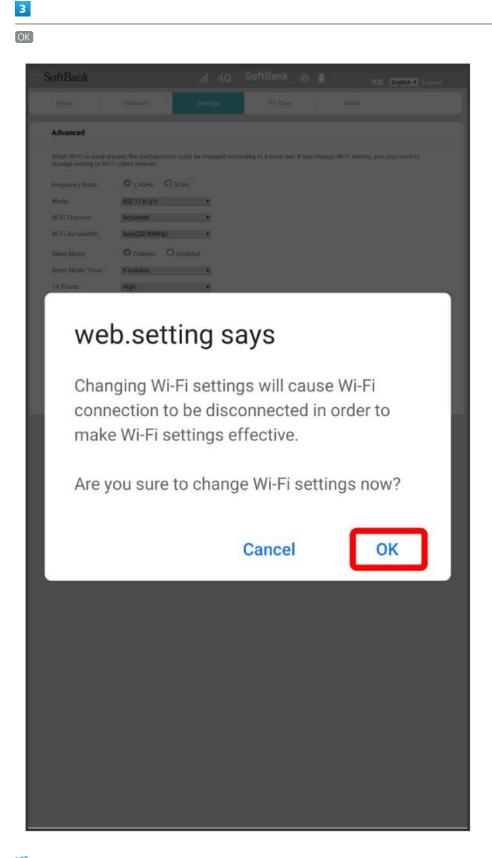
181

"Settings" tab ⋺ Wi-Fi Settings ⋺ Advanced SoftBank .ıl 4G SoftBank 🌐 📋 ELS English V Logo About Home Network PC View ce Settings ۲

1

Set each item ラ 🗛 Apply

SoftBank		.il	4G	SoftBank	•		N2I English V Logout
Home	Network	Settin	99)	PC View		About	
Advanced							
When Wi-Fi is used change setting of V	abroad, the configu N-Fi client devices	uration must be cha	nged accor	ding to a local lew	If you chang	e Wi-Fi setti	ng, you also need to
Frequency Band:	Q 2.4GHz	O SGHz					
Mode:	802.11 b/g/n	۲					
Wi-Fi Channel;	Automatic						
Wi-Fi Bandwidth:	Auto(20/40M	Hz) •					
Sleep Mode:	C Enabled	O Disabled					
Sleep Mode Timer	5 minutes						
TX Power:	High	•					
TCP NAT Timer:	300	500	cond (30 - 8	6400)			
UDP NAT Timer:	300	sec	cond (30 - 8	6400)			



🏁 Wi-Fi is disconnected and Advanced Wi-Fi setting is performed.

Connecting WPS Supported WLAN Device

Connect WPS supported WLAN devices. Both SSID A and SSID B are connectable. To connect using SSID B, enable Multi SSID function (SSID B).

- \cdot 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.

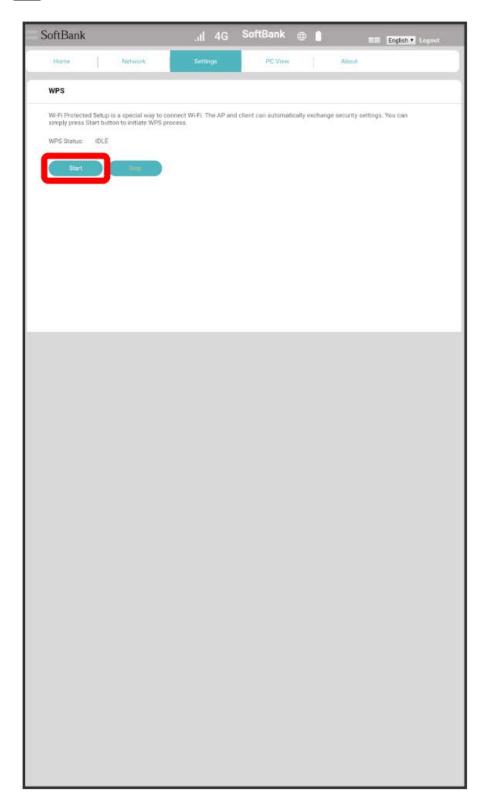
1

"Settings" tab 🔿 [Wi-Fi Settings] 🔿 [WPS]

SoftBank		. ₁₁ 1 4G	SoftBank @	•		English V Logout
Home	Network	Settings	PC View		About	
Wi-Fi Settings						
Basic						
Advanced				_	_	
WPS						
Device Settings						

[Start]

2



🥦 "WPS Status" changes to "PROCESSING."

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

SoftBank		.il 4G	SoftBank	⊕]	Eiglish V Logout
Home	Network	Settings	PC View		About
WPS					
Wi-Fi Protected Se simply press Start	tup is a special way to conne button to initiate WPS proce	ect Wi-Fi. The AP and	l client can automat	ically exchange se	curity settings. You can
WPS Status: Pi	ROCESSING				
(Here)	Stop				

4

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

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

Changing Login Password for Web UI

Change Login password.

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

"Settings" tab
→ Device Settings → Web UI Password

SoftBank		.ı ıl 4G	SoftBank	⊕ 📋		宮語 English T Logout
Home	Network	Settings	PC View		About	
Wi-Fi Settings						
Device Settings						•
Web UI Password						
Notification					_	
Data Usage Settings						

Enter current password

SoftBank		.ıl 4G	SoftBank	⊕ 1	85	English T Logout
Home	Network	Settings	PC View		About	
Web UI Passwor	rd					
This page is used t	o change login passwor	d.				
Current Password:						
New Password: Confirm Password:						
Apply						

Enter new password

3

SoftBank	.ı ı l 4G	SoftBank	•		8 15	English T Logout
Home Network	Settings	PC View		About		
Web UI Password						
This page is used to change login password.						
Current Password:						
Confirm Password:						
Apply						

Enter new password again ラ Apply

SoftBank	.ıl 4G	SoftBank	⊕ і́	815	English • Logout
Home Network	Settings	PC View		About	
Web UI Password					
This page is used to change login passwo	ord.				
Current Password:					
New Password:					
Commin Password;					
Apply					

🏁 New password is set.

Checking Notifications

Check received notifications.

1

"Settings" tab ⇒ Device Settings ⇒ Notification

SoftBank		.iil	4G	SoftBank	⊕ і		==
Home	Network	Setting	js	PC View		About	
Wi-Fi Settings							
Device Settings							
Web UI Password							
Notification							
Data Usage Settings							

📘 for notification to check

SoftBank	¢		.ıl 4G	SoftBank	@ 🗎		211 English •	Logout
Home	1	Network	Settings	PC View		About		
Notificatio	'n							
This page is	used to rea	d SMS messages and use	r can select the m	essage to delete.				
1								
IIA 🔳	Status	Date		Cor	itent		-	
		STATE AND						
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🏁 Notification is shown.

Delete received notifications.

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L

"Settings" tab ⇒ Device Settings ⇒ Notification

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Wi-Fi Settings								
Device Settings								
Web UI Password								
Notification								
Data Usage Settings								

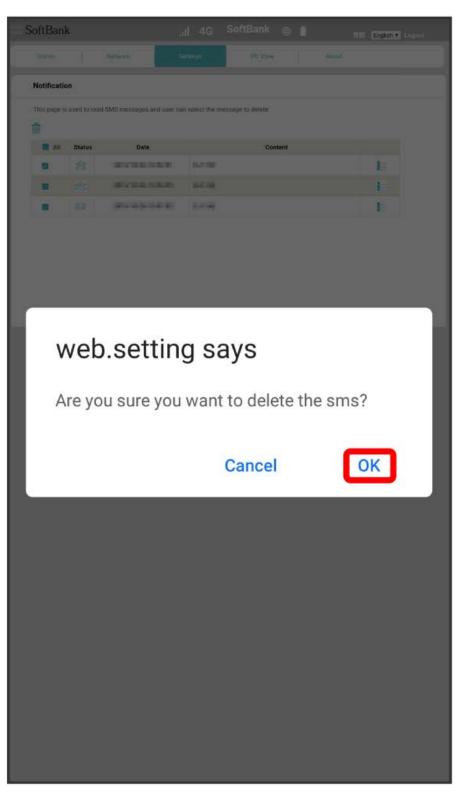
Checkmark notifications to delete

Item Return Abud	Notification This page is used to read SMS messages and user can select the message to delete.	SoftBank	¢		. _{dl} l 4G	SoftBank	•		English • Los	nut
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 \cdot Checkmark the top checkbox to select all.

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OK)



🏁 Notification is deleted.

Showing Data Traffic Volume on Lock Screen and on Icon

Show data traffic volume on Lock Screen and on Icon.

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"Settings" tab ⇒ Device Settings ⇒ Data Usage Settings

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oftBank		.il 4G	SoftBank	•		Elli English V Logout
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Data Usage Settin	ngs					
Data traffic is an app	roximate value. Actual va	lue can be found on	support web site.			
		31.40 MB				
Reset						7 GB
🛃 Show usage on I	ock screen and icon					
Monthly Data Usage	23 day 12:36:39					
Downlink Data:	29.29 MB					
Uplink Data.	2.11 MB					
Last Reset Date Auto Reset Date	2019-10-01 31 •					
Maximum Data Usag						
America						
Apply						

🏁 Data traffic volume is shown on Lock Screen and Icon.

Setting Maximum Traffic

Set monthly data traffic volume. When data traffic volume exceeds the set volume, Notification on Home Screen of Wi-Fi router appears.

- When data traffic volume exceeds the set maximum volume, Wi-Fi router's icon 📳 (bar icon) changes to 🚍 (red bar icon).
- · Maximum traffic volume does not mean a limit on data communication. Use this volume as measure of usage.

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"Settings" tab 🔶 [Device Settings] 🔶 [Data Usage Settings]

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Home	Network.	Settings	PC View		About	
Wi-Fi Settings						
Device Settings						
Web UI Password						
Notification						
Data Usage Settings						

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Home	Network	Settings	PC View	About	
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Data traffic is an appr	oximate value. Actual vi	alue can be found on su	pport web site.		
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Downlink Data:	29.29 MB				
Uplink Data. Last Reset Date:	2.11 MB 2019-10-01				
Auto Reset Date	2019-10-01				
Maximum Data Usag					
Apply					

🏁 Maximum traffic is set.

· Select a unit GB or MB.

Setting	Auto	Reset	Date
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Set date of month for automatically resetting accumulated data traffic.

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"Settings" tab ラ 🚺

		_				
Device	Settings)	Ð	Data	Usage	Settings	

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Data Usage Settings					
			-		

Select auto reset date ラ Apply

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Home	Network	Settings	PC View		About	
Data Usage Setti	ngs					
Data traffic is an app	proximate value. Actual	value can be found on s	support web site.			
		31.40 MB			7 GB	
Reset						
👩 Show usage on	lock screen and icon					
Monthly Data Usage Duration:	e: 23 day 12:36:39					
Downlink Data:	29.29 MB					
Uplink Data	2.11 MB					
Last Reset Date Auto Reset Date	31					
Maximum Data Usa						
Apply						

🏁 Auto reset date is set.

 \cdot Select value between 1 and 31.

 \cdot If 31 is set, data usage is reset at the end of the month.

Switching to PC Web UI

Switch to Web UI for PC.

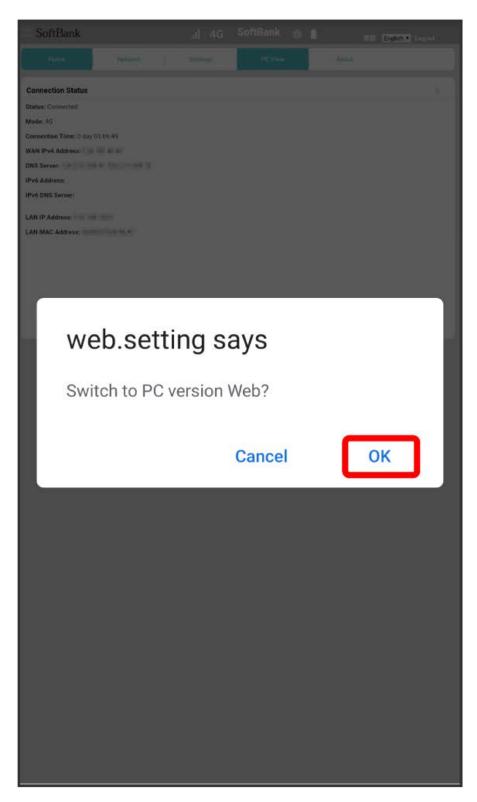
Switching to PC Web UI

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"PC View" tab

SoftBank		.al 4	G SoftBank	•	RIA English # Logout
Home	Network	Settings	PC View	About)
Connection Status Status: Connected Mode: 4G Connection Time: 0 day 0 WAN IPv4 Address: IPv6 Address: IPv6 DNS Server: LAN IP Address: LAN MAC Address:	n nar				>

OK



🏁 Changes to Web UI for PC.

Checking Wi-Fi Router Information

Check various information such as firmware version.

Item	Description
Phone Number	Phone number registered 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
Software Version	Current software version
Hardware Version	Hardware version

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"About" tab

SoftBank			.ıl 4G	Sof	tBank	• 1		-	English . Logeut
Home	Network	Ť	Settings		PC View		About		
About									
Phone Number: Current APN Profile: IMEI: Max Access Number: 10 LAN Domain: web.setting Software Version: Hardware Version:									

🏁 Check device information.

Appendix

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Troubleshooting

Check Here First

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



- 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 of Wi-Fi router is disabled. Press Power Key to enable WLAN function automatically. Change time before turning off in 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 WPA/WPA2. See WLAN device user guide.

- 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 set to ON. See WLAN device user guide.
- 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.
- For Windows 10, follow these steps to confirm proper Wi-Fi router installation.

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

- "Remote NDIS based Internet Sharing Device" in "Network adapters"
- A. For Windows 8.1, follow these steps to confirm proper Wi-Fi router installation.

- Open Desktop window
 →
 Explorer
 →
 Right-click

 This PC
 →
 Properties
 →
 Advanced System

 Settings
 →
 Hardware
 →
 Device Manager
 →
- Confirm that the following are shown.
- "Remote NDIS based Internet Sharing Device" in "Network adapters"
- A. For Windows 8, follow these steps to confirm proper Wi-Fi router installation.

Open Desktop window → Explorer → Right-click This Computer → Properties → Advanced System Settings → Hardware → Device Manager → Confirm that the following are shown.

- "Remote NDIS based Internet Sharing Device" in "Network adapters"
- For Windows 7, follow these steps to confirm proper Wi-Fi router installation.

Start Explorer 🔿 Right-click Computer 🔿

[Properties] 🔿 [Advanced System Settings] 🔿

Hardware
→ Device Manager → Confirm that the following are shown.

- "Remote NDIS based Internet Sharing Device" in "Network adapters"
- Q. Installer does not automatically activate (Windows PC)
- New hardware recognition takes time. Wait for approximately 10 seconds.
- A. When security software is installed in your PC, stop security software before installing. For stopping security software, see security software user guide.
- 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.
- 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 or AC Charger (optional).
- A. Confirm that Wi-Fi router and WLAN device, computer, etc. are properly connected via WLAN or USB Cable.
- 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, remove Wi-Fi router from PC, then reconnect.
- A. Some WLAN devices may stop when no data transfer is made for a certain period of time. See WLAN device user guide.
- 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 () 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 appears 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. 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 "Installing 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 10, follow these steps to check.
 - Right-click the Start menu
 → Control Panel
 →
 User Accounts
 → Confirm that account type is
 "Administrator."
- A. For Windows 8.1, follow these steps to check.
 Move the pointer into the upper-right or lower-right corner

 change your charm
 Change your account type
 in "User Accounts and Family Safety"
 Confirm that account type is "Administrator."
- A. For Windows 8, follow these steps to check.
 Move the pointer into the upper-right or lower-right corner

 change your charm
 Change your account type
 in "User Accounts and Family Safety"
 Confirm that account type is "Administrator."
- A. For Windows 7, follow these steps to check.
 Start menu → Control Panel → User Accounts and Family Safety → User Accounts → Confirm that account type is "Administrator."
- A. For macOS Mojave 10.14.6, 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."
- A. When the network connection is unstable, Wi-Fi router drains Battery.
- A. Usage times gradually become shorter due to repeated charging/discharging.

Specifications

Wi-Fi Router

Item	Description
Dimensions (W \times H \times D)	Approx. 108 × 72 × 15 mm
Weight	Approx. 150 g
Interface	USB 3.0 (USB Type-C)
Power Consumption	On standby: 0.012 W On communication: 0.660 W * Power consumption varies by usage.
Operation Environment	Operating Temperature: 5℃ to 35℃ Humidity: 45% to 85%
Compatible Networks	Domestic use TDD-LTE (including AXGP): 2.5 GHz, 3.5 GHz FDD-LTE: 700 MHz, 900 MHz, 1.5G Hz, 1.7 GHz, 2.1 GHz W-CDMA: 900 MHz, 2.1 GHz Overseas use FDD-LTE: 700 MHz, 800 MHz, 850 MHz, 900 MHz, 1.5 GHz, 1.7 GHz/2.1 GHz, 1.7 GHz, 1.9 GHz, 2.1 GHz W-CDMA: 800 MHz, 850 MHz, 900 MHz, 1.7 GHz/2.1 GHz, 1.9 GHz, 2.1 GHz WLAN: IEEE802.11 a/b/g/n/ac

TDD-LTE (including AXGP):

B41: Upstream: 2545 MHz to 2655 MHz, Downstream: 2545 MHz to 2655 MHz B42: Upstream: 3400 MHz to 3600 MHz, Downstream: 3400 MHz to 3600 MHz FDD-LTE:

B1: Upstream: 1920 MHz to 1980 MHz,
Downstream: 2110 MHz to 2170 MHz
B2: Upstream: 1850 MHz to 1910 MHz,
Downstream: 1930 MHz to 1990 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
B8: Upstream: 880 MHz to 915 MHz,
Downstream: 925 MHz to 960 MHz
B11: Upstream: 1427.9 MHz to 1447.9
MHz, Downstream: 1475.9 MHz to 1495.9

B12: Upstream: 699 MHz to 716 MHz, Downstream: 729 MHz to 746 MHz B17: Upstream: 704 MHz to 716 MHz, Downstream: 734 MHz to 746 MHz B19: Upstream: 830 MHz to 845 MHz, Downstream: 875 MHz to 890 MHz B21: Upstream: 1447.9 MHz to 1462.9

MHz, Downstream: 1495.9 MHz to 1510.9

Frequency

MHz B28: Upstream: 703 MHz to 748 MHz, Downstream: 758 MHz to 803 MHz WCDMA:

Band I: Upstream: 1920 MHz to 1980 MHz, Downstream: 2110 MHz to 2170 MHz

Band II: Upstream: 1850 MHz to 1910 MHz, Downstream: 1930 MHz to 1990 MHz

Band IV: Upstream: 1710 MHz to 1755 MHz, Downstream: 2110 MHz to 2155 MHz

Band V: Upstream: 824 MHz to 849 MHz, Downstream: 869 MHz to 894 MHz Band VI: Upstream: 830 MHz to 840 MHz, Downstream: 875 MHz to 885 MHz Band VIII: Upstream: 880 MHz to 915 MHz, Downstream: 925 MHz to 960 MHz Band XIX: Upstream: 830 MHz to 845 MHz, Downstream: 875 MHz to 890 MHz

WLAN: 2400 MHz to 2483.5MHz (13ch all; Domestic)

For continuous standby time and

continuous communication time, see the

https://www.softbank.jp/biz/mobile/

5150 MHz to 5350 MHz 5470 MHz to 5725 MHz

following Website.

lineup/data/809sh/

Continuous Standby Time/ Continuous Communication Time

SIM Removal Tool

Item	Description
Length	Approx. 33 mm
Weight	Approx. 1 g

Material List (Wi-Fi Router)

Parts	Materials/Finishing
Display Panel	Acrylic resin + PC resin/hard coat
Exterior (Front/Side/ Back)	PC resin/paint, hard coat, print
Power Key/SIM Card Tray (Exterior)	PC resin/paint, hard coat
Circumference of USB Type- C Port	Stainless steel
SIM Card Tray	PC resin
IMEI Plate/ IMEI Label	PET resin/print

Material List (SIM Removal Tool)

Parts	Materials/Finishing
SIM Removal Tool	Stainless steel

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

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

This product [809SH] meets Japanese technical regulations* and international guidelines for exposure to radio waves.

The Japanese technical regulations for exposure to radio frequency energy established permitted levels of radio frequency energy, based on standards developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.

The regulations employ a unit of measurement known as the Specific Absorption Rate, or SAR.

The SAR limit is 2 watts/kilogram (W/kg) averaged over ten grams of tissue.

The limit includes a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The value of the limit is equal to the value given in international guidelines recommended by ICNIRP**, which is in collaboration with the World Health Organization (WHO). The highest SAR value for this product is 0.880 W/kg*** when used close to the body in the below manner****.

While there may be differences between the SAR levels of various products and at various positions, all products meet the Japanese technical regulations.

Although the SAR is determined at the highest certified power level, the actual SAR of the product during operation can be well below the maximum value.

* The technical regulations are provided in Article 14-2 of the Ministry Ordinance Regulating Radio Equipment.

** International Commission on Non-Ionizing Radiation Protection

*** The value is under simultaneous transmission use conditions.

**** Use close to the body

To use this product close to the body, maintain a separation of 1.5 cm with no metal (parts) between it and the body. This will ensure this product meets the Japanese technical regulations for exposure and international guidelines for radio wave protection.

The World Health Organization has announced 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." They note that if you want to reduce your exposure then you can do so by limiting the length of calls or using a hands-free device to keep the mobile phone away from the head and body.

For more information about SAR, see the following websites:

- Ministry of Internal Affairs and Communications (MIC) http://www.tele.soumu.go.jp/e/sys/ele/body/index.htm
- Association of Radio Industries and Businesses (ARIB) http://www.arib-emf.org/01denpa/denpa02-02.html (Japanese)
- World Health Organization http://www.who.int/emf

 \cdot List of Specific Absorption Rates (SAR) for radio waves by smartphone/3G model

https://www.softbank.jp/mobile/support/sar/ (Japanese)

European RF Exposure Information

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health. The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 2.0 W/kg. As mobile devices offer a range of functions, they can be used in other positions, such as on the body. In this case, the highest tested SAR value is 0.90 W/kg* at the separation distance of 0.5 cm from the body. For electronic safety, maintain the separation distance with accessories containing no metal, that position handset a minimum of the above distance. Use of other accessories may not ensure compliance with RF exposure guidelines.

* The tests are carried out in accordance with international guidelines for testing.

Simplified Declaration of Conformity for [809SH] Hereby, SHARP CORPORATION declares that the radio equipment type [809SH] is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:https://jp.sharp/k-tai/.

FCC RF Exposure Information

Your handset is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The guidelines are based on standards that were developed by independent scientific organization 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. The exposure standard for wireless handsets employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. The tests are performed in positions and locations (e.g. worn on the body) as required by the FCC for each model.

The highest SAR value for this model handset as reported to the FCC when tested for use worn on the body in a holder or carry case, is 1.05 W/kg.

Body-worn Operation; This device was tested for typical body-worn operations with the back of the handset kept 1.0 cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.0 cm separation distance between the user's body and the back of the handset. The use of beltclips, 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 FCC RF exposure requirements, and should be avoided. The FCC has granted an Equipment Authorization for this model handset with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model handset is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/ea/ after searching on FCC ID APYHRO00274.

Additional information on Specific Absorption Rates (SAR) can be found on FCC Radio Frequency Safety 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.

CE/FCC Notice

"809SH" here refers to this Wi-Fi router "Pocket WiFi."

Wi-Fi Router

Do not disassemble or modify Wi-Fi router.

Regulatory Information

Hereby, SHARP CORPORATION declares that the radio equipment type 809SH is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://jp.sharp/k-tai/

Manufacturer's Address: SHARP CORPORATION, 1 Takumi-cho, Sakai-ku, Sakai-shi, Osaka 590-8522, Japan

Description of Accessories

Item	Description
USB cable	For charging, peripherals, etc.
SIM card	SoftBank SIM card/non-SoftBank SIM cards non-SoftBank SIM cards can be used after SIM-unlocking the Wi-Fi router.

Frequency Range of Supported Bands in EU

Item	Description
WCDMA FDD I	Tx 1922.4 to 1977.6 MHz Rx 2112.4 to 2167.6 MHz
WCDMA FDD	Tx 882.4 to 912.6 MHz Rx 927.4 to 957.6 MHz
VIII	RX 927.4 to 957.6 MHz
LTE Band 1	Tx 1922.5 to 1977.5 MHz
	Rx 2112.5 to 2167.5 MHz
LTE Band 3	Tx 1710.7 to 1784.3 MHz
LIE Danu S	Rx 1805.7 to 1879.3 MHz
LTE Band 8	Tx 880.7 to 914.3 MHz
	Rx 925.7 to 959.3 MHz
LTE Band 28	Tx 704.5 to 746.5 MHz
	Rx 759.5 to 801.5 MHz
WLAN 2.4 GHz	Tx/Rx 2412 to 2472 MHz (BW:20MHz)
	Tx/Rx 2422 to 2462 MHz (BW:40MHz)

Maximum Transmit Power

Item	Description
WCDMA FDD I	+24 dBm(Power Class3)
WCDMA FDD VIII	+24 dBm(Power Class3)
LTE Band 1	+23 dBm(Power Class3)
LTE Band 3	+23 dBm(Power Class3)
LTE Band 8	+23 dBm(Power Class3)
LTE Band 28	+23 dBm(Power Class3)
WLAN 2.4 GHz	+18.5 dBm

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.

SoftBank Customer Support

■General Information

From a SoftBank handset, dial toll free at 157.

Warranty

- \cdot Wi-Fi router warranty is for 1 year from date of purchase.
- Repair may be made free of charge under the terms of free repair. See SoftBank Website for terms of free repair. https://cdn.softbank.jp/mobile/set/common/pdf/legal/ spguide/common/warranty.pdf (Japanese)
- Warranty covers Wi-Fi router. Cables and complimentary sample accessories are not covered by warranty.

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.

- During the warranty period, repairs are made under the terms of free 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 discotinued. 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 Customer Service.

Customer Service

If you encounter any difficulties or are unsure of anything, contact customer service.

General Information

Direct all inquiries to SoftBank, from charges to service information, here.

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

SoftBank Technical Support Center

Setup, Operations & Technical Issues:

- \cdot From a SoftBank handset, dial toll free at $~\times~5525$
- From a landline/IP phone, dial toll free at (6) 0088-21-5525
- Business hours : Weekdays 9:00 am 7:00 pm / Sat., Sun. and holidays 9:00 am - 5:00 pm
 *Not available from outside Japan.

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
	Great risk of death or serious injury*1 from improper use
	Risk of death or serious injury*1 from improper use
	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 lowtemperature), 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 3.0 Cable A to C (Optional), USB Conversion Cable C to A (Female) (Optional), 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 highpressure container such as a pressure cooker.

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



Do not cover Wi-Fi router/related hardware with sand, soil, or mud. Do not place directly on sand, soil, or mud. Do not touch Wi-Fi router/related hardware with hand covered with sand.

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



Do not charge Wi-Fi router/related hardware while wet with liquids such as water (beverage, sweat, sea water, pet urine, etc.). Do not charge in a place such as bathroom where Wi-Fi router/related hardware can come in contact with water.

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



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.



Do not attempt to remove Back Cover

May cause fire, burns, injury, etc.



Keep away from water and other liquids (beverage, sweat, sea water, pet urine, etc.).

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



Do not put water or other liquids in terminals (beverage, sweat, sea water, pet urine, etc.).

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



Use specified optional accessories only.

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

🕂 WARNING



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

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

Keep terminals away from conductive materials (metal parts, pencil leads, etc.) and do not let dust enter Wi-Fi router/related hardware.

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



Do not cover/wrap with bedding, etc. during use or charging.

May cause fire, burns, etc.

Compulsor

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.



mpulsory

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.

Take these actions in case of odd odor, odd sound, smoke, overheating, discoloring or deformation during use, charging, or storage:

- \cdot Unplug Wi-Fi router/related hardware.
- \cdot Power off.

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

ACAUTION

Prohibited

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.

Prohibited

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

May cause injury, etc.

Prohibited

Do not leave Wi-Fi router and related hardware within the reach of infants.

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

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

Compulsor

Wi-Fi router temperature may become high when used continuously or while charging. Avoid continued contact with Wi-Fi router for a long time involuntarily such as by falling asleep, etc.

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.

A 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.

Compulsory

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.

A WARNING



Do not put liquid such as water (beverage, sweat, sea water, pet urine, etc.) or foreign objects such as anything metal or flammable into SIM Card Tray slot.

Insert SIM Card in correct position and orientation.

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

Compulse

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.

Compulso

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.

Compulso

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.

Compulso

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.

Compulsor

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.

Prohibited

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.

Prohibited

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.

Prohibited

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.

Compulse

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

Wi-Fi router use may affect electronic equipment. In such case, discontinue Wi-Fi router use 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).")

Compulsory

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

May deteriorate vision.

Cradle (Optional), USB3.0 Cable A to C (Optional), USB Conversion Cable C to A (Female) (Optional), AC Charger (Sold Separately)

Prohibited

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

May cause fire, burns, electric shock, etc.

Prohibited

Do not touch AC Charger (sold separately)/USB Cable (optional) 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 (optional) cords.

May cause fire, burns, electric shock, etc.

Prohibited

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

May cause fire, burns, electric shock, etc.

Do not use voltage converter used for international travel for 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 Use Wet Hands

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

May cause fire, burns, electric shock, etc.

Compulso

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)

Compulsor

Clean dusty power plug or USB plug.

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

Compulsor

Plug AC Charger (sold separately) firmly into outlet.

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

Compulso

Do not remove power plug by pulling on AC Charger 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.

Compulsor

Connect/disconnect AC Charger (sold separately) or USB Cable (optional) 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.

Compulsory

If charging terminal is 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.



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

May cause burns.

SIM Card



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.

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

Compulso

Persons with an electric medical device such as an implanted pacemaker or implanted cardioverter defibrillator should keep Wi-Fi router at least 15 cm away from the device.

Wi-Fi router radio waves may affect the electric medical device.

Compulsory

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.



Power Wi-Fi router off so as not to emit radio waves when it is difficult to keep distance of at least 15 cm from others such as in a crowd.

There may be someone who has an electric medical device such as implanted pacemaker or implanted cardioverter defibrillator around you. Wi-Fi router radio waves may affect the electric medical device.



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.



 \cdot 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.

- \cdot 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.
- \cdot 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, Sudan 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

- \cdot User Wi-Fi router within 5°C 35°C 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.
- \cdot Warranty does not cover malfunctions resulting from misuse.
- Clean Wi-Fi router with a soft dry cloth. Alcohol/solvent use may fade color/print.
- \cdot 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.
- 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

- To help maintain performance and life of Internal Battery, do not store in the following conditions.
- Full (immediately after charging is complete)
- Exhausted (too low to power on Wi-Fi router)
- Battery level should be at approximately 40% for optimal storage.
- Depending on use, bulges may appear near end of battery life; this does not affect safety.
- 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. Make sure that you are 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.

- \cdot 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

- 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.
- \cdot Follow local rules regarding collection when disposing.
- \cdot 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 → Backup/Restore → Backup .

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.,): 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 \Rightarrow 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.

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 immediately.

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.

2.4DS/OF4

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 GHz/5.3 GHz/5.6 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)

If your Wi-Fi compatible device cannot use 5 GHz band, set Wi-Fi router setting so that 2.4 GHz band is available. Use of 5.2 GHz or 5.3 GHz band (W52/W53) for outdoor communication is prohibited by the Radio Law. 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.

15608

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.
- http://k-tai.sharp.co.jp/support/developers/oss/809sh/ index.html (Japanese)
- \cdot The source code of software based on GPL is provided on the following website free of charge.
- http://k-tai.sharp.co.jp/support/developers/oss/809sh/ index.html (Japanese)

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809SH User Guide

November 2019, First Edition SoftBank Corp.

Visit SoftBank Shop for assistance

Model : 809SH Manufacturer : SHARP CORPORATION