



203Z User Guide

203Z User Guide Contents

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Introduction

Before You Begin

Read "[Safety Precautions](#)" and this guide thoroughly beforehand for proper usage.
Accessible services may be limited by contract conditions.

Guide Usage Notes

Most operation descriptions are based on default settings.

Screenshots & Key Labels

Screenshots and Key labels are provided for reference only.
Actual windows, menus, etc. may differ in appearance.

Other Notations

This product is referred to as "Wi-Fi router" in this guide.
microSD™/microSDHC™ card is referred to as "SD Card."

Operating Environment (Compatible OSs)

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 (compatible OSs) listed here is the current information for Wi-Fi router sold as of August 2013. Check [ZTE Japan Customer Support Website \(Japanese\)](#) for the latest information in regards to operating environment.

Item	Description
Compatible Operating Systems	Windows XP Home Edition Service Pack 3
	Windows XP Professional Service Pack 3
	Windows XP (64-bit)
	Windows Vista Home Basic (32-bit or 64-bit)
	Windows Vista Home Premium (32-bit or 64-bit)
	Windows Vista Business (32-bit or 64-bit)
	Windows Vista Ultimate (32-bit or 64-bit)
	Windows 7 Starter (32-bit)
	Windows 7 Home Basic (32-bit or 64-bit)
	Windows 7 Home Premium (32-bit or 64-bit)
	Windows 7 Professional (32-bit or 64-bit)
	Windows 7 Ultimate (32-bit or 64-bit)
	Windows 8 (32-bit or 64-bit)
Windows 8 Pro (32-bit or 64-bit)	
Mac OS X 10.6 to 10.8	
Compatible OS includes both English and Japanese versions.	
Available Hard Disk Capacity	50 MB required (100 MB+ recommended) (common to all Operating Systems listed above)
Recommended Resolution	1024 x 768 or higher
Compatible Browser	Microsoft Internet Explorer 7.0 or later Mozilla Firefox 22.0 or later Safari 4.0 or later Opera 15.0 or later Google Chrome 28.0 or later

Package Contents

The following items are included in the package. Please confirm package contents before use. Contact "[Customer Service](#)" for missing items.

Keep accessories including Warranty in a safe place.

Wi-Fi router has an irremovable Internal Battery.

- 203Z
- AC Charger (ZECAP1)
- Micro USB Cable (ZEDAD1)
- クイックスタート (準備編) (Japanese)
- クイックスタート (接続編) (Japanese)
- お願いとご注意 (Japanese)
- Warranty (Wi-Fi router, AC Charger)
- WLAN Initialization Sticker

Factory Default Settings

When connecting Wi-Fi devices to Wi-Fi router, SSID (network name) and security key are required.

See WLAN Initialization Sticker for default SSIDs and security keys.

- Two SSIDs are set to Wi-Fi router. By default, WPA is set as security for both SSID A and SSID B.
- For greater security, use WPA/WPA2. Some game consoles may not be WPA compatible. See game console user guide for compatibility.



- 1 SSID A
- 2 SSID A security key (WPA)
- 3 SSID B
- 4 SSID B security key (WPA)

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.
- When using WLAN overseas, change the settings according to the laws of those countries.

Trademarks

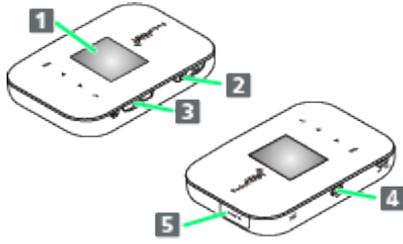
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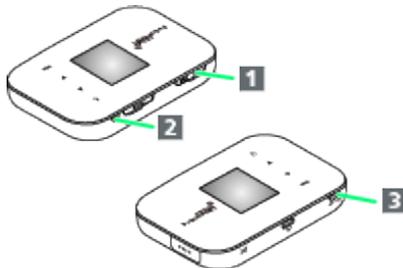
Parts & Functions

Front/Top/Bottom



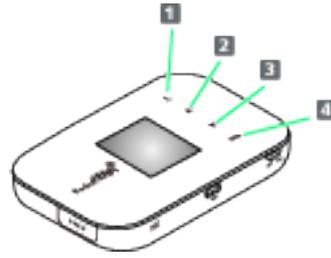
Part	Description
1 Display	Wi-Fi router status appears
2 SD Card Slot	Install SD Card
3 USIM Card Slot	Install USIM Card
4 External Device Port	Connect Micro USB Cable
5 Power Supply Port	Insert specified cable

Keys



Part	Description
1 Restart Key	Press more than 3 seconds to restart Wi-Fi router
2 INFO Key (INFO)	Press to turn Display off/on Press to wake from Sleep mode
3 Power Key (⏻)	Slide to power ON/OFF Wi-Fi router

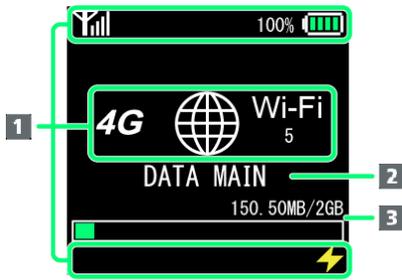
Touch Keys



Parts	Description
1 BACK Key (⏪)	Go back to previous window or input field Touch more than 3 seconds to go back to main window
2 UP Key (▲)	Select upper item or increase number by one (zero appears next to nine)
3 DOWN Key (▼)	Select lower item or decrease number by one (nine appears next to zero)
4 ENTER Key (ENTER)	Confirm selection, and proceed to the next window or input field

Display

Display



Item	Description
1 Icons	Communication, battery, and message statuses
2 Status notifications	Text messages regarding communication and malfunction
3 Data transfer volume	Data communication volume for Data traffic/Maximum traffic, and Data traffic regarding Maximum traffic via bar display (bar becomes red when Maximum traffic is exceeded)

Icons

Icon	Description
	Mobile network reception level
	Out of service area
	Connected Internet Wi-Fi/Internet Wi-Fi reception level
	Internet Wi-Fi disabled
	Appears when roaming
	Battery full
	Battery low
	No battery (charging required)
	Connected Network
	Connected to Internet Wi-Fi
	Connected to Internet
	Unconnected to Internet
	Connected WLAN devices
	WLAN disabled
	Software update available
	There is a message
	Can supply power
	Cannot supply power

Status Notifications

Wi-Fi router gives information on communications and malfunction statuses via texts.

Notification	Description
DATA MAIN	SoftBank 4G or ULTRA SPEED area
DATA SUB	ULTRA SPEED sub area
No Service	Signal detected, but service unavailable (Immediately after moving into the service area from outside the service area, etc.)
Out of Service	No signal
Insert USIM	USIM Card not installed
Invalid USIM	Invalid USIM Card installed
Enter PIN	PIN entry required (PIN entry is required on WEB UI)
Enter PUK	PUK entry required (PUK is required on WEB UI)
USIM Busy	Reading from/writing to USIM Card
USIM Lock	USIM Card completely locked
PUK Lock	USIM Card is permanently locked because PUK entry was incorrect ten times in a row (USIM Card needs to be changed (paid))

Turning off Display/Sleep Mode

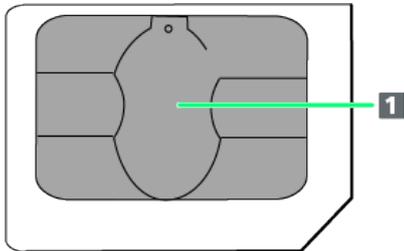
- If Wi-Fi router is not used for 1 minute, Display turns off automatically. Press INFO key to illuminate Display.
- If not using or charging Wi-Fi router for a while with no connected WLAN devices, Wi-Fi router enters Sleep mode after Display has turned off to save power. (Sleep activation timer is set to 1 minute by default.)
- After Wi-Fi router enters Sleep mode, WLAN becomes disabled.
- Pressing INFO key will turn on Display and cancel Sleep mode. After Sleep mode is canceled, WLAN becomes enabled and Wi-Fi router will be able to connect to WLAN devices.
- Some WLAN devices can disconnect the WLAN connection if there has been no data communication for a while. If disconnected by such a device, Wi-Fi router enters Sleep mode.
- Change the setting for sleep activation timer on Web UI. See "[Sleep Timer Setting \(Sleep Mode\)](#)."

USIM Card

USIM Card is an IC card that contains customer information including phone number.

Handling USIM Card

- SoftBank Mobile Corp. is not liable for damages resulting from installing USIM Card into an IC card reader manufactured by another company.
- Keep IC chip surface clean.
- Clean USIM Card with a dry, soft cloth.
- Do not attach label on USIM Card. May cause malfunction.
- For handling, see USIM Card user guide (Japanese).
- USIM Card is the property of SoftBank Mobile Corp.
- Reissue of USIM Card due to loss or damage incurs a charge.
- Return USIM Card when canceling subscription.
- Returned USIM Cards are recycled for environmental conservation.
- Specifications and capabilities are subject to change without notice.
- Keep a copy of information saved to USIM Card. SoftBank Mobile Corp. is not liable for damages incurred due to loss of saved information.
- In case USIM Card or Wi-Fi router (USIM Card inserted) is lost or stolen, urgently request to have usage suspended. Contact "[Customer Service](#)," General Information.
- Power off Wi-Fi router before removing/installing USIM Card.



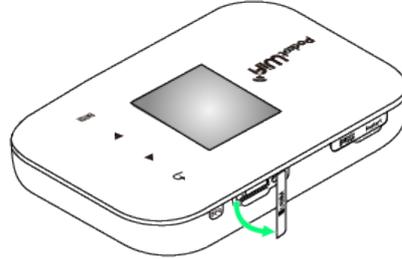
1 IC card

Installing USIM Card

Be sure to power off to perform the following steps.

1

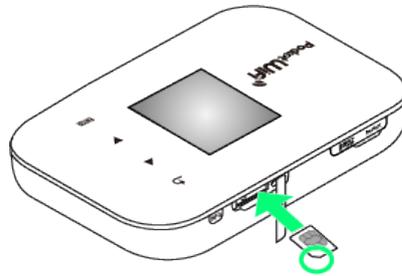
Open USIM Card Slot Cover



- Be careful not to damage your nails.

2

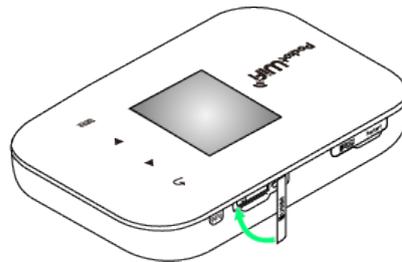
Insert USIM Card into Slot with IC chip up until it clicks



- Confirm that USIM Card is completely installed.

3

Close USIM Card Slot Cover



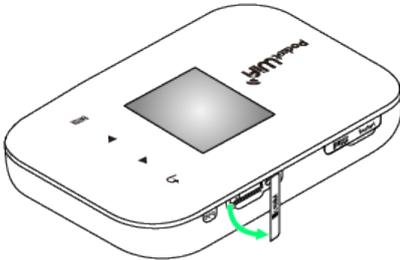
- Close Cover completely leaving no gaps.

Removing USIM Card

Be sure to power off to perform the following steps.

1

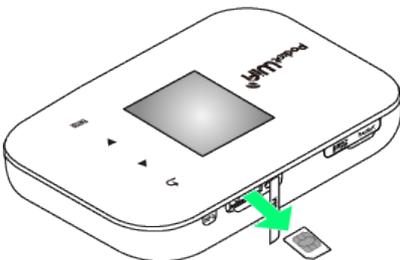
Open USIM Card Slot Cover



· Be careful not to damage your nails.

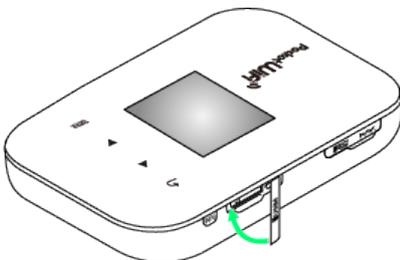
2

Push USIM Card and release slowly, and then remove USIM Card



3

Close USIM Card Slot Cover



· Close Cover completely leaving no gaps.

SD Card

With SD Card, Wi-Fi router can be used as USB storage by a computer connected via Micro USB Cable.

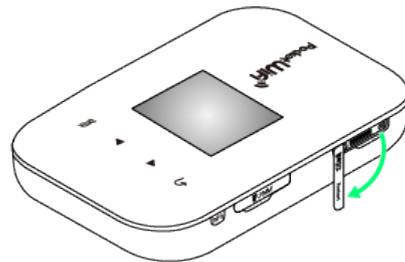
Wi-Fi router accepts SD Cards up to 32 GB. Compatibility is not guaranteed with all SD Cards.

Installing SD Card

Be sure to power off to perform the following steps.

1

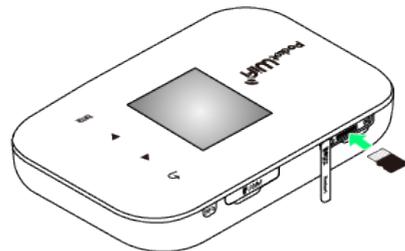
Open SD Card Slot Cover



· Be careful not to damage your nails.

2

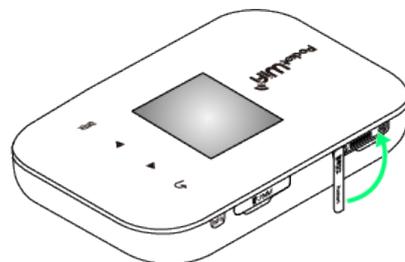
Insert SD Card into Slot with metal terminals up until it clicks



· If SD Card is released before being completely locked, SD Card might pop out.

3

Close SD Card Slot Cover



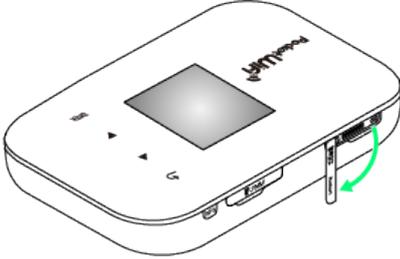
· Close Cover completely leaving no gaps.

Removing SD Card

Be sure to power off to perform the following steps.

1

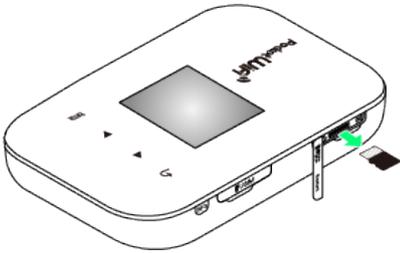
Open SD Card Slot Cover



· Be careful not to damage your nails.

2

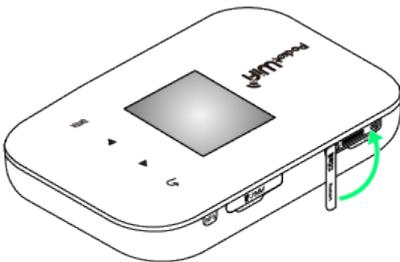
Push SD Card and release slowly, and then remove SD Card



· If SD Card is released before being completely locked, SD Card might pop out.

3

Close SD Card Slot



· Close Cover completely leaving no gaps.

! Cautions for SD Card Usage

Installing/Removing SD Card

Do not use excessive force when installing/removing SD Card; may injure hands and fingers or damage SD Card. Do not install SD Card with excessive force. Do not misplace a removed SD Card.

Data Backup

Data saved to SD Card may be lost or altered due to accident or malfunction. Keep a copy of important data. SoftBank Mobile Corp. is not liable for damages resulting from loss or alteration of data.

Operations while Reading/Writing Data

Never power off while reading/writing data. It may damage saved data or cause malfunctions.

Battery Level

Data may not be read/written correctly if Battery is low.

Charging Battery

Wi-Fi router is not charged fully at time of purchase. Charge Battery before using.

Also, Battery discharges even if Wi-Fi router is not being used. If Wi-Fi router is not used for a long time, charge before use.

Usage times gradually become shorter due to repeated charging/discharging. See "[Specifications](#)" for estimated charging times and usage times.

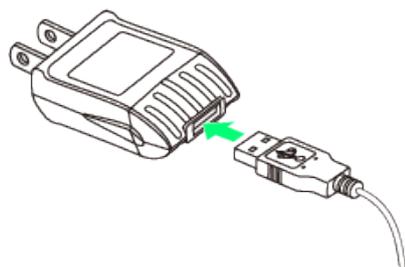
Using AC Charger

Use specified AC Charger and Micro USB Cable.



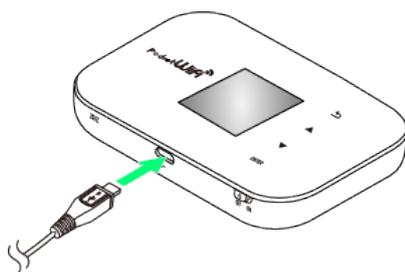
1

Insert Micro USB Cable (USB plug) into AC Charger



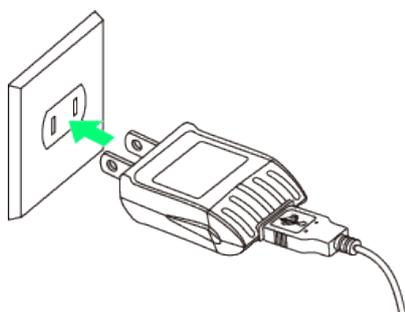
2

Insert Micro USB Cable (Micro USB plug) into External Device Port



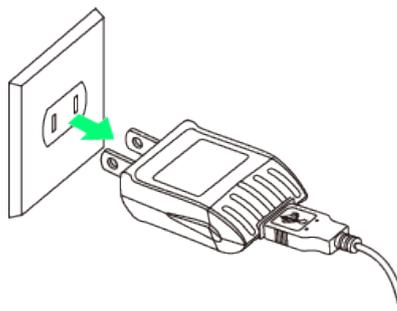
3

Plug AC Charger into AC outlet



4

When complete, remove AC Charger



· Unplug AC Charger from AC outlet.

Using USB (PC)

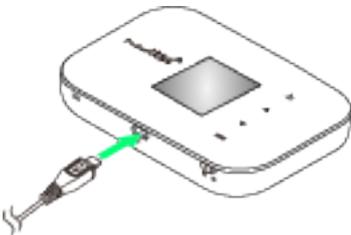
Use supplied Micro USB Cable.

- Be sure to power on the PC to perform the following steps.
- USB charging may not be possible depending on PC connection environment.



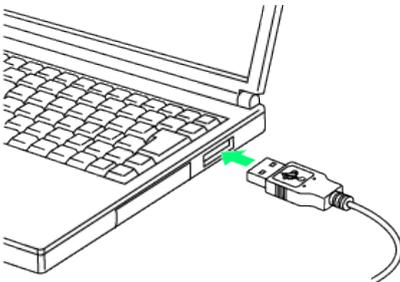
1

Insert Micro USB Cable (Micro USB plug) into External Device Port



2

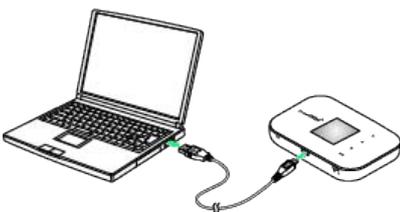
Insert Micro USB Cable (USB plug) into PC USB port



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

3

When complete, remove Micro USB Cable from PC and Wi-Fi router



! Charging

Charging Conditions

Under low temperatures charging performance decreases. Charge in temperatures between -10 °C - +45 °C. Do not charge in places where there is high humidity.

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

Use Supplied Accessories

Always use supplied AC Charger or Micro USB Cable.

Charging with PC

Charging takes longer than with AC Charger. Time required depends on the connected PC.

Wi-Fi Router and AC Charger Becoming Warm/ Hot

Wi-Fi router and AC Charger 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 when used for a long time or while charging, especially in high temperatures. Prolonged contact with skin may cause low-temperature burn injuries.

Connecting USB Cable

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

Display while Charging

Animation appears on Display of Wi-Fi router even when power is off. When charging is complete, "100%" and  appear on Display.

Charging Mobile Phone or Smartphone

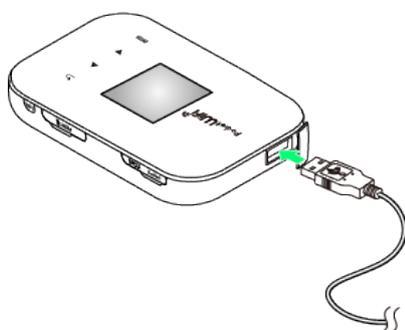
Wi-Fi router can be used as a mobile battery. Use a cable that the mobile phone or smartphone specifies when charging them from Wi-Fi router. Do not use supplied Micro USB Cable for Wi-Fi router because it is for charging Wi-Fi router only. Power Supply function needs to be ON. Default of this function is ON. See "Setting Power Supply Function" to change the setting.

See [SoftBank Mobile Website \(http://www.softbank.jp/mobile/\)](http://www.softbank.jp/mobile/) to check models that can be powered from Wi-Fi router.

Charging Mobile Phone or Smartphone

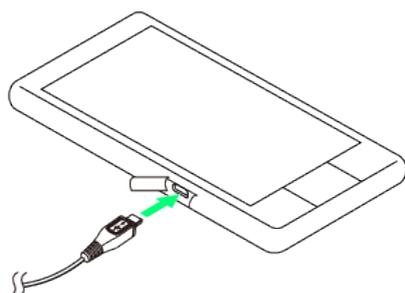
1

Insert USB plug of Micro USB Cable specified by mobile phone or smartphone into Wi-Fi router Power Supply Port



2

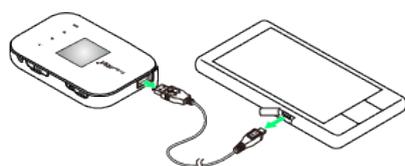
Insert Micro USB plug of Micro USB cable into External Connection Port of mobile phone or smartphone



 Power supply begins.

3

When complete, remove Micro USB Cable from mobile phone or smartphone and Wi-Fi router



! Charging Mobile Phone or Smartphone

Charging Conditions

Power supply is not possible when battery power is lower than 30%.

Power supply stops when battery power becomes lower than 30% when supplying power. To restart power supply, remove Micro USB Cable from mobile phone or smartphone and Wi-Fi router and charge Wi-Fi router to have 40% or more battery power.

Restart Wi-Fi router if power supply is unavailable even if Battery has 30% or more battery power.

Power supply is not available while Wi-Fi router is charging.

Change Power Supply function to ON if set to OFF.

Use Specified Accessories

Do not use supplied Micro USB Cable to charge a mobile phone or smartphone manufactured by another company. Use specified cable specified by the mobile phone or smartphone.

Wi-Fi Router Becoming Warm/Hot

Wi-Fi router may become warm while charging. This is not a malfunction. However, stop using it immediately if it becomes extremely hot; it may be malfunctioning.

Connecting USB Cable

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

Termination of Power Supply Due to Safeguard Function

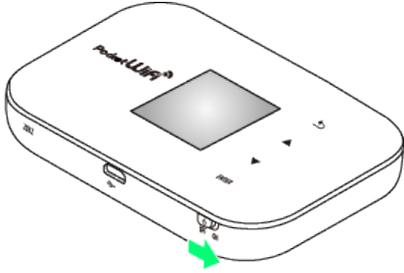
If the charging current required for the mobile phone or smartphone exceeds Wi-Fi router's supply current (1 A), Wi-Fi router's safeguard function works and may terminate power supply functions.

Power On/Off

Power On

1

Slide  to ON



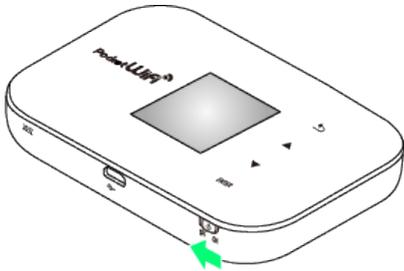
 WLAN function activates and connects automatically to Internet.

- "Enter PIN" appears when PIN is set to USIM Card. Start WEB UI and enter PIN. See "[PIN Management](#)" for setting PIN.

Power Off

1

Slide  to OFF



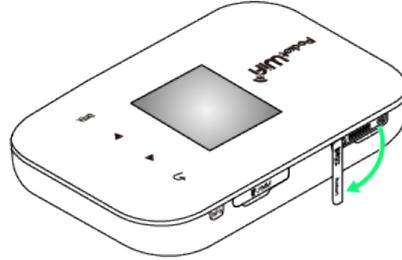
 Power is off.

Restart

Perform the following steps to restart Wi-Fi router if it cannot be powered on/off with .

1

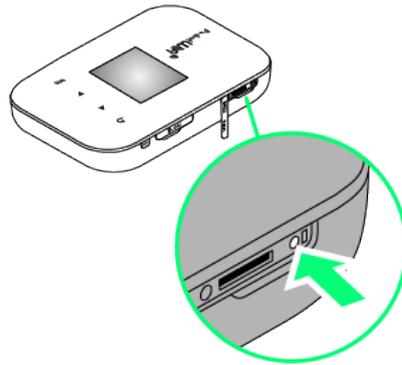
Open SD Card Slot Cover



- Be careful not to damage your nails.

2

Press Restart Key for about 3 seconds with a fine-tipped object.



 Wi-Fi router restarts automatically.

- Settings are not reset.

3

Close SD Card Slot Cover



- Close Cover completely leaving no gaps.

! Precautions for Restarting Wi-Fi router

Pressing Key

Be careful not to hurt your fingers when pressing key.
Do not press the key strongly. It may cause damage.

Tools

Do not use sharply pointed objects. They may cause damage.
Using a pen or a pencil may deface the key with ink or pencil lead.

Settings on Wi-Fi Router

Operate Display on Wi-Fi router to set ON/OFF for Internet Wi-Fi, login password of SoftBank Wi-Fi spot, Maximum Data Traffic, Reset Date, ON/OFF for showing data traffic, etc. Note that operating of Display is disabled while operating WEB UI. Log out from WEB UI to operate Display on Wi-Fi router.

Setting ON/OFF for Internet Wi-Fi

Setting ON/OFF for Internet Wi-Fi enables/disables Wi-Fi router to connect to the Internet.

By default, the setting is ON.

If Internet Wi-Fi is enabled, maximum communication speed may decrease depending on the number of WLAN devices connected to Wi-Fi router.

1

Touch **ENTER**

☑ "メニュー" window appears.

2

Touch **▼** or **▲** to select **設定** → Touch **ENTER**



☑ "設定" window appears.

3

Confirm **Wi-Fi** is selected → Touch **ENTER**



☑ "Wi-Fi" window appears.

4

Confirm **インターネットWi-Fi** is selected → Touch **ENTER**



☑ "インターネットWi-Fi" window appears.

5

Confirm **ON** is selected → Touch **ENTER**



☑ Message indicating settings appears. About 3 seconds later, "Wi-Fi" window appears.

· Touch ▼ to select **OFF** and Touch **ENTER** to not connect to Internet Wi-Fi.

Connecting to SoftBank Wi-Fi Spot

Input login password for SoftBank Wi-Fi Spot and set up connection in this window.

SoftBank Wi-Fi Spot function is ON by default. When changing the setting, use WEB UI.

1

Touch **ENTER**

☑ "メニュー" (Menu) window appears.

2

Touch ▼ or ▲ to select **設定** → Touch **ENTER**



☑ "設定" (Settings) window appears.

3

Confirm **Wi-Fi** is selected → Touch **ENTER**



☑ "Wi-Fi" window appears.

4

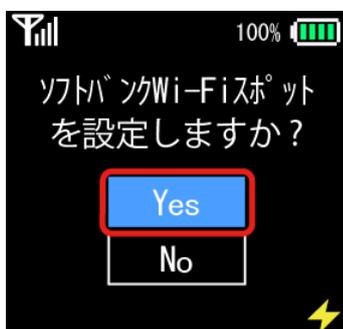
Touch  to select ソフトバンクWi-Fiスポット  Touch 



 Confirmation window appears.

5

Touch  to select Yes  Touch 



 Input login password window appears.

· If skipping the setting, Touch  to select No and Touch .

6

Touch  or  to select the login password number.



- Touch  or  to toggle numbers.
- Touch  or  firmly until number is changed.
-  is unavailable to return to previous screen. Complete the following steps first.

7

Touch  to move to next box



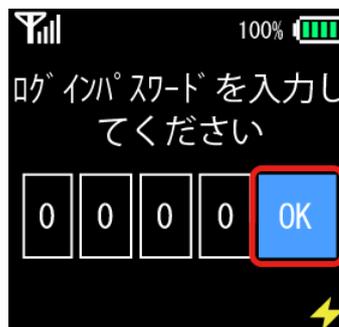
· Touch  to go back to box on left.

8

Repeat steps [6](#) to [7](#) to enter four-digit password

9

Confirm password  Touch  in the last box (OK)



 Login password for SoftBank Wi-Fi Spot is set and message appears. About 3 seconds later, "Wi-Fi" screen appears.

· Showing Input Login Password window again after setting the password redisplay "0000."

Setting Power Supply Function

Set whether or not to use Wi-Fi router as a mobile battery. By default, setting is ON.

1

Touch **ENTER**

☑ "メニュー" window appears.

2

Touch **▼** or **▲** to select **設定** → Touch **ENTER**



☑ "設定" window appears.

3

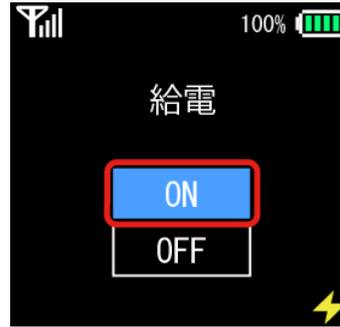
Touch **▼** or **▲** to select **給電** → Touch **ENTER**



☑ "給電" window appears.

4

Confirm **ON** is selected → Touch **ENTER**



☑ Message indicating setting appears. About 3 seconds later, "設定" window appears.

- If skipping the setting, Touch **▼** to select **OFF** and Touch **ENTER**. When Wi-Fi router is restarted, the setting returns to **ON**.
- When Power Supply function is set to ON, Icon appears. ⚡ is shown when power supply is available. ⚡ is shown when power supply is not available such as when Wi-Fi router is charging or battery power is low.

Setting Data Traffic

Set Maximum Data Traffic. By default, 2 GB is set.

1

Touch **ENTER**

"メニュー" window appears.

2

Touch **▼** or **▲** to select **設定** → Touch **ENTER**



"設定" window appears.

3

Touch **▼** or **▲** to select **データ通信量** → Touch **ENTER**



"データ通信量" window appears.

4

Confirm **最大通信量** is selected → Touch **ENTER**



"最大通信量" Setting window appears.

5

Touch **▼** or **▲** to enter number



- Touch **▼** or **▲** to toggle numbers.
- Touch **▼** or **▲** firmly until number is changed.
- **←** is unavailable to return to previous screen. Complete the following steps first.

6

Touch **ENTER** to move to next box



- Touch **←** to go back to box on left.

7

Repeat steps 5 to 6 to enter three-digit number

- Set number from 001 to 999.

8

Touch **▼** or **▲** to select unit → Touch **ENTER**



- Select unit from KB, MB, GB.

9

Confirm number and unit → Touch **ENTER** in the last box (OK)



Maximum Traffic is set and message appears. About 3 seconds later, "データ通信量" window appears.

Setting Reset Date of Data Traffic

Set the day of the month to reset data traffic automatically. By default, setting is 31.

1

Touch **ENTER**

"メニュー" window appears.

2

Touch ▼ or ▲ to select **設定** → Touch **ENTER**



"設定" window appears.

3

Touch ▼ or ▲ to select **データ通信量** → Touch **ENTER**



"データ通信量" window appears.

4

Touch ▼ or ▲ to select **自動リセット日** → Touch **ENTER**



"自動リセット日" Setting window appears.

5

Touch  or  to enter number.



- Touch  or  to toggle numbers.
- Touch  or  firmly until number is changed.
-  is unavailable to return to previous screen. Complete the following steps first.

6

Touch  to move to next box



- Touch  to go back to box on left.

7

Repeat steps 5 to 6 to enter three-digit number

- Set number from 1 to 31.

8

Confirm number  Touch  in the last box (OK)



 Auto Reset Date is set and message appears. About 3 seconds later, "データ通信量" window appears.

- Setting "31" resets data at the last day of the month even when the last day of the month is not the 31st.

Setting ON/OFF for Displaying Data Traffic

Set whether or not to show total volume of data transfer, maximum traffic, and its bar graph. By default, setting is OFF.

- Values for data transfer volumes are approximate.

1

Touch 

 "メニュー" window appears.

2

Touch  or  to select   Touch 



 "設定" window appears.

3

Touch  or  to select   Touch 



 "データ通信量" window appears.

4

Touch  or  to select **表示ON/OFF** → Touch **ENTER**



 "表示ON/OFF" Setting window appears.

5

Touch  to select **ON** → Touch **ENTER**



 Message indicating setting appear. About 3 seconds later, "データ通信量" Setting window appears.

- If skipping the setting, Touch  to select **OFF** and Touch **ENTER**.
- When setting is ON, total volume of data used, maximum traffic and its bar graph appear in the window.

Resetting Data Traffic Manually

Reset the data traffic manually.

1

Touch **ENTER**

 "メニュー" window appears.

2

Touch  or  to select **設定** → Touch **ENTER**



 "設定" window appears.

3

Touch  or  to select **データ通信量** → Touch **ENTER**



 "データ通信量" window appears.

4

Touch  or  to select **手動リセット** → Touch **ENTER**



 "手動リセット" window appears.

5

Confirm **リセット** is selected → Touch **ENTER**

Confirmation window appears.

6

Touch **Yes** to select **Yes** → Touch **ENTER**

Reset starts. After reset is complete, message appears. About 3 seconds later, "データ通信量" window appears.

Updating Software

Enable automatic update downloading to download/install new software when available and no WLAN devices are connected. Wi-Fi router also reactivates automatically.

If downloading is disabled when new software is available,  appears on Display. Implement the following steps to update software.

At the time of purchase, automatic update downloading is enabled.

1

Touch **ENTER**

"メニュー" window appears.

2

Touch **設定** or **設定** to select **設定** → Touch **ENTER**

"設定" window appears.

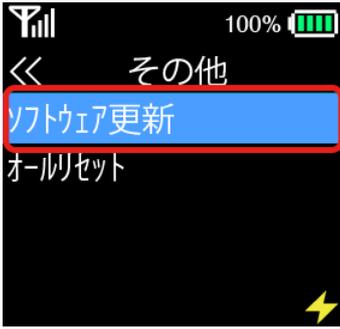
3

Touch **その他** or **その他** to select **その他** → Touch **ENTER**

"その他" window appears.

4

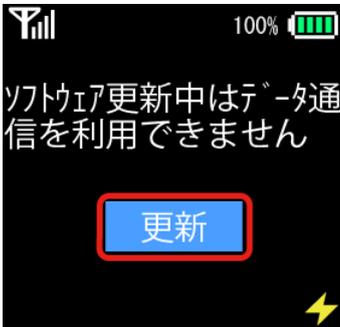
Confirm ソフトウェア更新 is selected → Touch ENTER



Software Update Confirmation window appears.

5

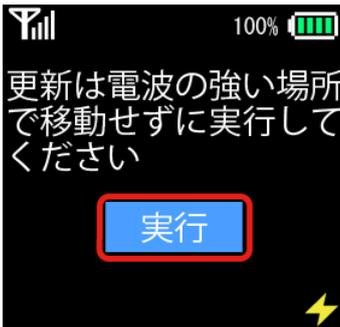
Confirm 更新 is selected → Touch ENTER



· Data communication is not available during Software Update.

6

Confirm 実行 is selected → Touch ENTER



If the current software is not the latest version, download is started automatically.

About 3 seconds later from completing download, installation starts.

About 3 seconds later from completing installation, Wi-Fi router restarts automatically and then message appears.

· Touch to avoid updating.

7

Confirm OK is selected → Touch ENTER

Main window appears.

Resetting to Factory Settings

Reset all Wi-Fi router settings to their factory defaults.

1

Touch ENTER

"メニュー" (Menu) window appears.

2

Touch ▼ or ▲ to select 設定 → Touch ENTER



"設定" (Settings) window appears.

3

Touch ▼ or ▲ to select その他 → Touch ENTER



"その他" (Others) window appears.

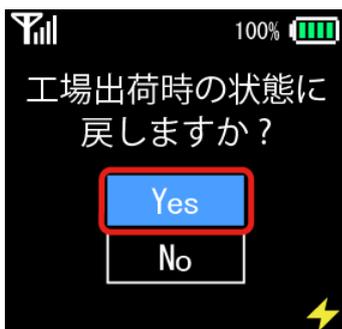
4

Touch ▼ or ▲ to select オールリセット → Touch ENTER



Confirmation window appears.

5

Touch  to select **Yes**  Touch **ENTER**

 Reset starts.

- If skipping the reset, Touch  to select **No** and Touch **ENTER**.
- Modified settings need to be set again.
- Settings in USIM Card and SD Card are not reset.
- Resetting can be done via WEB UI:

On WEB UI, **Settings**  **Advanced**  **Reset** 
Reset

Connecting with WPS

"Internet Wi-Fi" connection, of Wi-Fi router to Internet via Wi-Fi, and "LAN Wi-Fi" connection, of Wi-Fi router to WLAN devices via Wi-Fi can respectively be performed via WPS connection.

WPS connection is performed via PIN (PIN code) or PBC (push button) methods. PBC method allows connection via Wi-Fi router.

See "[Settings WPS Connection Method \(WPS\)](#)" for WPS connections settings via "Internet Wi-Fi."

See "[Configuring Settings for Connecting WPS Supported WLAN Devices](#)" for WPS connections with Wi-Fi router and WLAN devices.

1

Touch **ENTER**

 "メニュー" window appears.

2

Touch  or  to select **WPS**  Touch **ENTER**

 "WPS" window appears.

3

Touch  or  to select connection destination Touch **ENTER**

 WPS connection starts.

When connected successfully, Display returns to menu window. If connecting fails, message appears.

- When selecting "インターネットWi-Fi", and if Internet Wi-Fi is set to **OFF**, message appears after touching **ENTER**.

💡 SoftBank Wi-Fi Spot Setting

Initial Password

Initial password is the four-digit password set at time of subscription.

Setting on WEB UI

Setting login password for SoftBank Wi-Fi Spot is also possible on WEB UI. See "[SoftBank Wi-Fi Spot Setting](#)" for details.

Default Setting

SoftBank Wi-Fi Spot function is ON by default. When changing the setting, use WEB UI.

⚠️ Cautions for SoftBank Wi-Fi Spot Usage

With WEB UI, when Internet Wi-Fi functions (including SoftBank Wi-Fi Spots) are activated from being inactive, WLAN connections for PCs, game devices, smartphones, etc. are momentarily disconnected, and then reconnected.

Confirming on Wi-Fi router

Check WEB UI URL and telephone numbers, etc. via Wi-Fi router.

However, Display operation is not available while WEB UI is logged into.

Operate Display after logging out of WEB UI.

Confirming URL of WEB UI

Confirm URL of WEB UI to select the menu.

1

Touch **ENTER**

☑️ "メニュー" window appears.

2

Confirm **情報** is selected → Touch **ENTER**



☑️ "情報" window appears.

3

Confirm **WEB UI URL** is selected → Touch **ENTER**



☑️ URL of WEB UI appears.

Confirming Phone Numbers

Confirm phone numbers saved in USIM Card.

1

Touch **ENTER**

"メニュー" window appears.

2

Confirm **情報** is selected → Touch **ENTER**



"情報" window appears.

3

Touch ▼ or ▲ to select **電話番号** → Touch **ENTER**



Phone numbers appear.

Confirming Messages

Check unread messages. When there are unread messages,  appears on Display.

1

Touch **ENTER**

"メニュー" window appears.

2

Confirm **情報** is selected → Touch **ENTER**



"情報" window appears.

3

Touch ▼ or ▲ to select **お知らせ** → Touch **ENTER**



Message appears.

· When there is no message, "お知らせはありません" appears.

Confirming Software Version

Confirm software version currently installed.

1

Touch **ENTER**

"メニュー" window appears.

2

Confirm **情報** is selected → Touch **ENTER**



"情報" window appears.

3

Touch ▼ or ▲ to select **技術情報** → Touch **ENTER**



"情報" window appears.

4

Confirm **ソフトウェアバージョン** is selected → Touch **ENTER**



Software version appears.

Confirming Authentication Information

Wi-Fi router supports display of an electronic nameplate that certifies conformity with technical standards. Confirm authentication information as per the following steps.

1

Touch **ENTER**

"メニュー" window appears.

2

Confirm **情報** is selected → Touch **ENTER**



"情報" window appears.

3

Touch ▼ or ▲ to select **技術情報** → Touch **ENTER**



"情報" window appears.

4

Touch ▼ or ▲ to select **認証情報** → Touch **ENTER**



Authentication information appears. Touch ▼ or ▲ to scroll the window.

Confirming SSID and Password

Confirm SSID and passwords on Wi-Fi router.
By default, showing of SSID and password is set to ON.

1

Touch **ENTER**

"メニュー" window appears.

2

Touch **▼** or **▲** to select **SSIDとパスワード** → Touch **ENTER**



SSID and password appears.

· If Multi SSID is set to ON, the SSIDs and passwords for SSID A and SSID B appear.

Display of SSIDs and passwords

Set ON/OFF for showing SSIDs and passwords via WEB UI.
See "[Advanced Settings](#)" for details.

Connecting with WLAN

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WLAN (Wi-Fi)

Overview

Wi-Fi router supports IEEE 802.11b/g/n standards. Connect WLAN devices (PC, game console, etc.) via WLAN for wireless data transfers.

Wi-Fi router supports Wi-Fi Protected Setup (WPS), which allows WLAN connection settings to be easily configured on any WPS-compliant device.

Enter Wi-Fi router's SSID and security keys to connect non-WPS compliant WLAN devices.

See supplied WLAN Initialization Sticker for SSID and security keys.

This section describes how to set up initial WLAN connection to Nintendo 3DS, Nintendo 3DS LL, Nintendo DS series*, PS Vita (PlayStation®Vita), PSP® (PlayStation®Portable), PS3® (PlayStation®3), WPS compatible devices, Windows PC and Mac.

*Nintendo DS series is a generic name for Nintendo DSi LL/DSi/DS.

- These settings should be performed when Wi-Fi router is connected the first time to another WLAN device. Thereafter, simply activate Wi-Fi (WLAN) to automatically connect Wi-Fi router to the Wi-Fi (WLAN) device.
- Some WLAN devices can disconnect the WLAN connection if there has been no data communication for a while. If disconnected by such a device, Wi-Fi router enters Sleep mode. See "[Turning off Display/Sleep Mode.](#)"

WLAN (Wi-Fi)

Advanced Settings

Change WLAN settings as required. See "[LAN Wi-Fi](#)"

Simultaneous Connection

Use Wi-Fi router to connect up to 14 WLAN devices simultaneously.

Automatic Update for Optimizing a Wi-Fi Connection

Wi-Fi router may automatically receive and update the software to optimize the connection settings.

Cautions for WLAN Usage

Ensuring Security

To ensure security, change default network name (SSID) and security key (WPA).

Communication Speed

If Internet Wi-Fi or Multi SSID is enabled, maximum communication speed may decrease depending on the number of WLAN devices connected to Wi-Fi router.

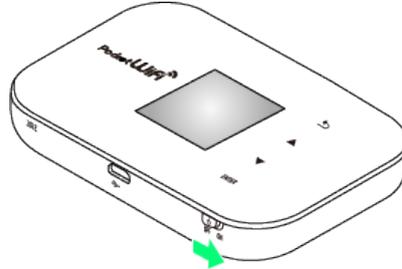
Activating WLAN (Wi-Fi) Function

Power Wi-Fi router on to connect to Internet automatically.

Connecting to 4G/LTE/3G

1

Slide  to ON



 WLAN function activates and connects to Internet.

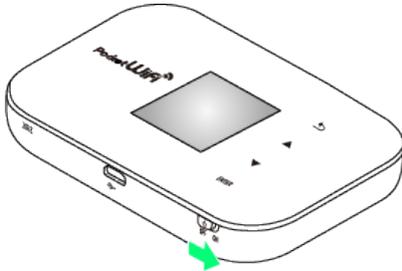
Connecting Windows PC

Operations are based on WLAN encryption method set to WPA.

Windows 8

1

Slide  to ON



 WLAN function activates and connects to Internet.

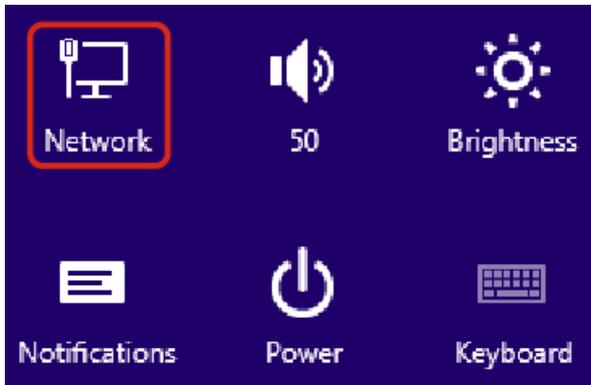
2

Activate PC WLAN function

- The methods for powering ON PC WLAN functions vary for each model. Check with each manufacturer.

3

Move the pointer into upper-right or lower-right corner (on touchscreen, Swipe In from the right edge)   charm 



4

Select Wi-Fi router SSID  



- See supplied Initialization Sticker for SSID.
- If default SSID has been changed: Select current network name.

5

Enter security key correctly  

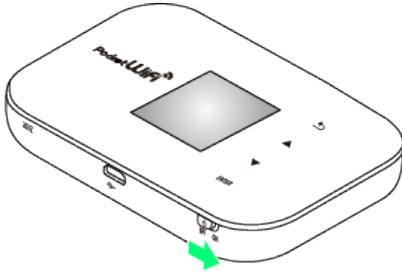


 Connected WLAN device count on Wi-Fi router Display increases by one (e.g.   ).

- See supplied Initialization Sticker for security key.
- Confirmation message regarding PC sharing may appear, but it is not set here. For PC sharing, refer to Windows help.

Windows 7

1

Slide  to ON

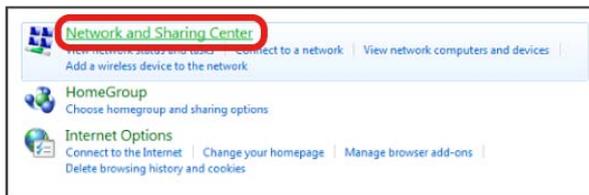
 WLAN function activates and connects to Internet.

2

Activate PC WLAN function

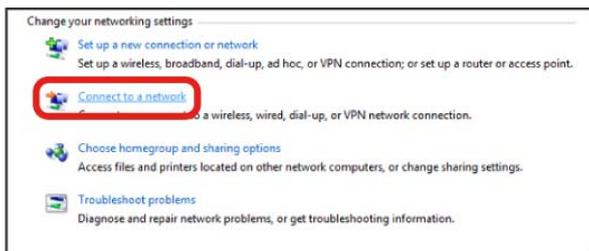
3

Start → Control Panel → Network and Internet →
Network and Sharing Center



4

Connect to a network



5

Select Wi-Fi router SSID → Connect



- See supplied Initialization Sticker for SSID.
- If default SSID has been changed: Select current network name.

6

Enter security key correctly → OK



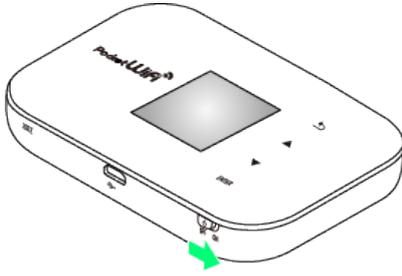
 Connected WLAN device count on Wi-Fi router Display increases by one (e.g.  → ).

- See supplied Initialization Sticker for security key.

Windows Vista

1

Slide  to ON



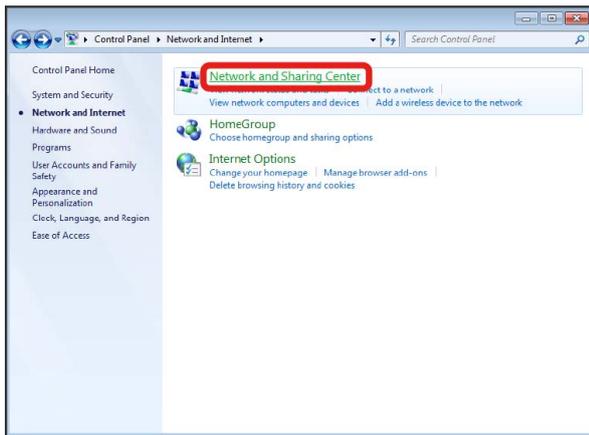
 WLAN function activates and connects to Internet.

2

Activate PC WLAN function

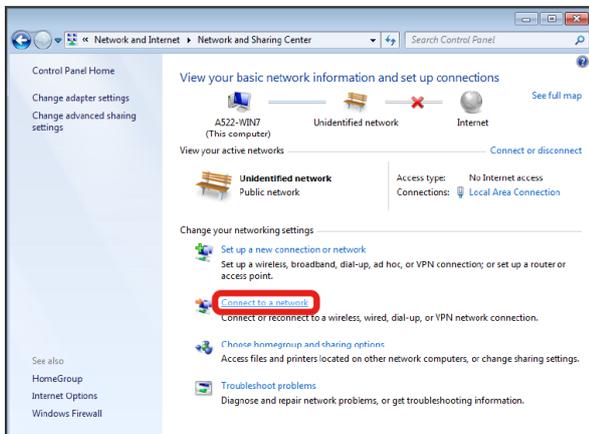
3

Start → Control Panel → Network and Internet → Network and Sharing Center



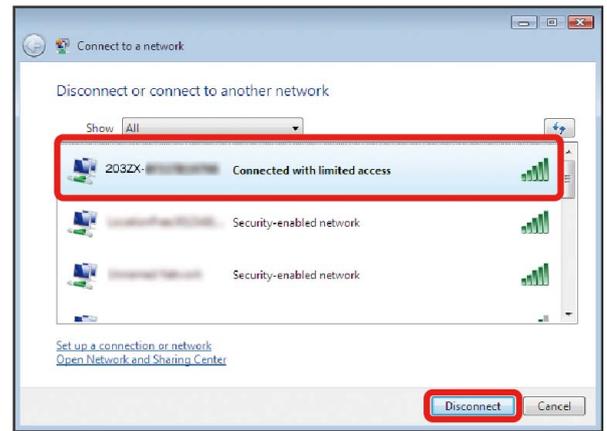
4

Connect to a network



5

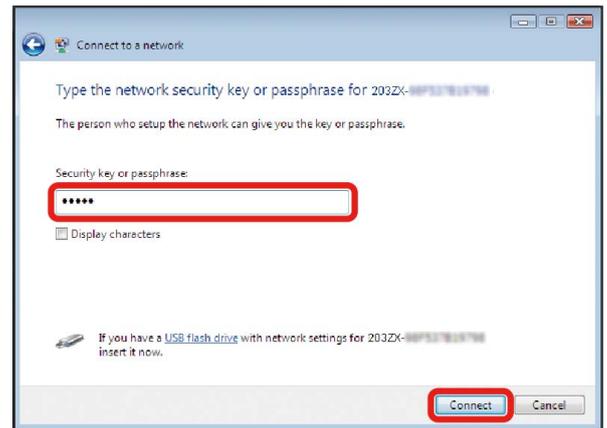
Select Wi-Fi router SSID → Connect



- See supplied Initialization Sticker for SSID.
- If default SSID has been changed: Select current network name.

6

Enter security key correctly → 接続



- See supplied Initialization Sticker for security key.

7

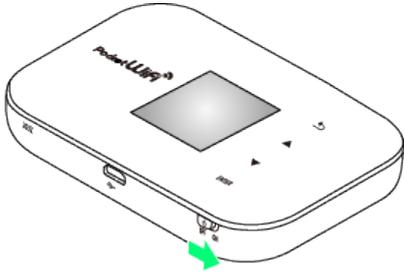
Close

 Connected WLAN device count on Wi-Fi router Display increases by one (e.g.  → ).

Windows XP

1

Slide  to ON



 WLAN function activates and connects to Internet.

2

Activate PC WLAN function

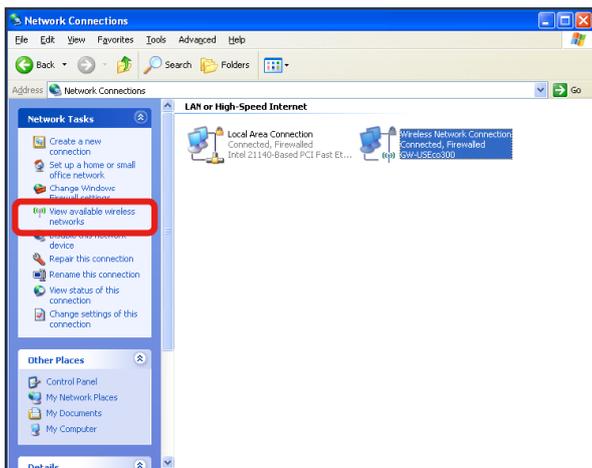
3

Start → Control Panel → Network and Internet → Network Connections



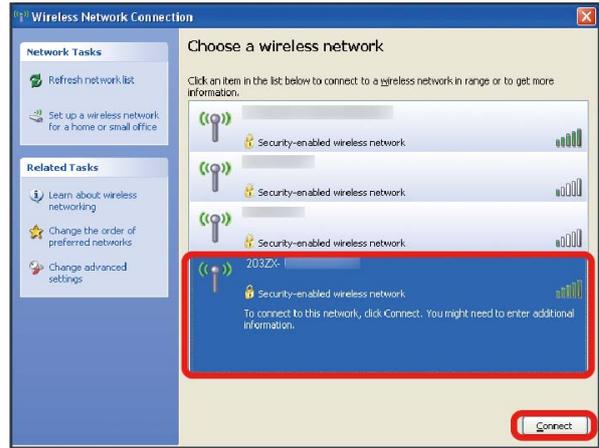
4

Wireless Network Connection → View available wireless networks from Network Tasks



5

Select Wi-Fi router SSID → Connect



- See supplied Initialization Sticker for SSID.
- If default SSID has been changed: Select current network name.

6

Enter security key in Network key and Confirm network key correctly → Connect



 Connected WLAN device count on Wi-Fi router Display increases by one (e.g.  → ).

- See supplied Initialization Sticker for security key.

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

See supplied Initialization Sticker for SSID (Network Name) and security key (WPA key). If default SSID or security key has been changed, select current SSID or security key. SSID (network name) factory setting appears as an alphanumeric beginning with "203Za-" or "203Zb-." Unless this is changed, be careful to not connect to other appearing networks from which nearby WLAN signals are being transmitted.

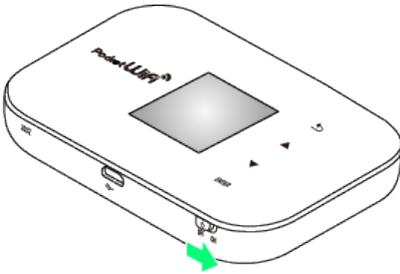
Connecting Mac

Screenshots/operations are based on Mac OS X 10.8, with WLAN encryption method set to WPA.

Mac

1

Slide  to ON



 WLAN function activates and connects to Internet.

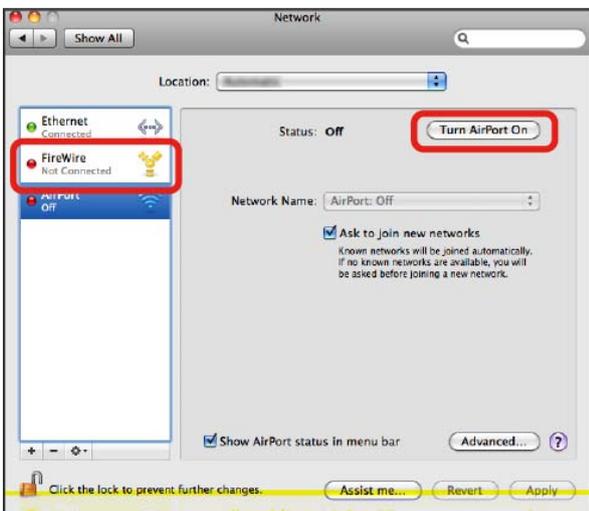
2

In Apple menu, **System Preferences...** → **Network**



3

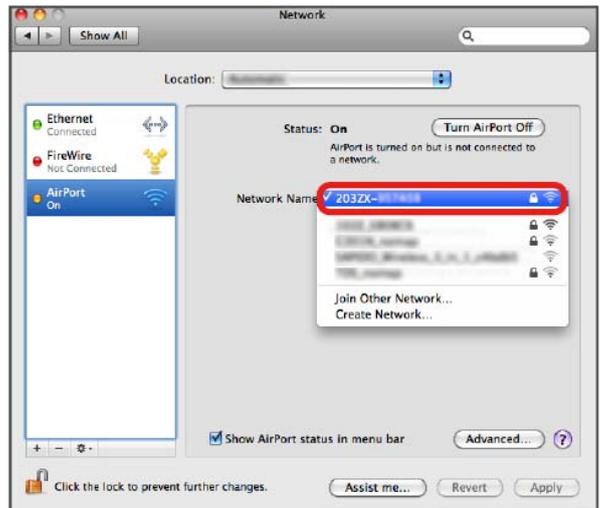
Select **Wi-Fi** → **Turn Wi-Fi On**



 WLAN function activates.

4

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



- See supplied Initialization Sticker for SSID.
- If default SSID has been changed: Select current network name.

5

Enter security key in Password correctly → Check Remember this network → **OK**



- See supplied Initialization Sticker for security key.

6

Confirm Network Name is set to Wi-Fi router SSID

 Connected WLAN device count on Wi-Fi router Display increases by one (e.g.  → ).

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

See supplied Initialization Sticker for SSID (Network Name) and security key (WPA key). If default SSID or security key has been changed, select current SSID or security key. SSID (network name) factory setting appears as an alphanumeric beginning with "203Za-" or "203Zb-." Unless this is changed, be careful to not connect to other appearing networks from which nearby WLAN signals are being transmitted.

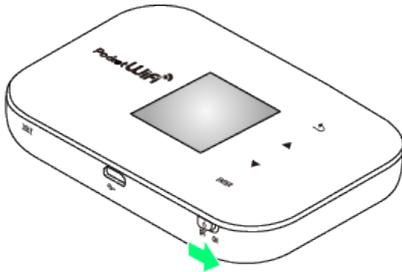
Connecting iPhone/iPad

iPhone

Screenshots/operations are based on WLAN encryption method set to WPA.

1

Slide  to ON



 WLAN function activates and connects to Internet.

2

Settings → Wi-Fi



3

OFF



 On is shown and WLAN function activates.

4

In Choose a Network list, Tap Wi-Fi router SSID



- See supplied Initialization Sticker for SSID.
- If default SSID has been changed: Tap current network name.

5

Enter security key in Password correctly → Join



- See supplied Initialization Sticker for security key.

6

Confirm Network Name is set to Wi-Fi router SSID

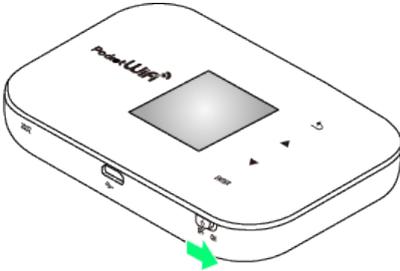
 Connected WLAN device count on Wi-Fi router Display increases by one (e.g.  → ).

iPad

Screenshots/operations are based on WLAN encryption method set to WPA.

1

Slide  to ON



 WLAN function activates and connects to Internet.

2

Settings → Wi-Fi



3

OFF



 On is shown and WLAN function activates.

4

In Choose a Network list, Tap Wi-Fi router SSID



- See supplied Initialization Sticker for SSID.
- If default SSID has been changed: Tap current network name.

5

Enter security key in Password correctly → Join



- See supplied Initialization Sticker for security key.

6

Confirm Network Name is set to Wi-Fi router SSID

 Connected WLAN device count on Wi-Fi router Display increases by one (e.g.  → ).

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

See supplied Initialization Sticker for SSID (Network Name) and security key (WPA key). If default SSID or security key has been changed, select current SSID or security key. SSID (network name) factory setting appears as an alphanumeric beginning with "203Za-" or "203Zb-." Unless this is changed, be careful to not connect to other appearing networks from which nearby WLAN signals are being transmitted.

Connecting Android™ Device

Operations on based on generic Android™ devices, with Wi-Fi security set to WPA/WPA2.

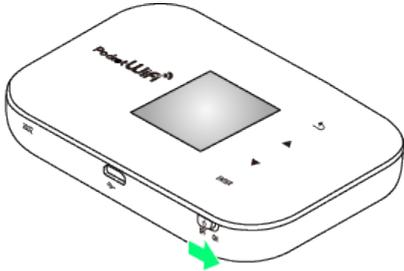
Operations vary depending on the Android™ device. See Android™ device user guide. Descriptions are based on Android™ 2.3.

Connecting Android™ Device

Screenshots/operations are based on WLAN security set to WPA/WPA2.

1

Slide  to ON



 WLAN function activates and connects to Internet.

2

In Settings menu, **Wireless & network settings** → **Wi-Fi settings**

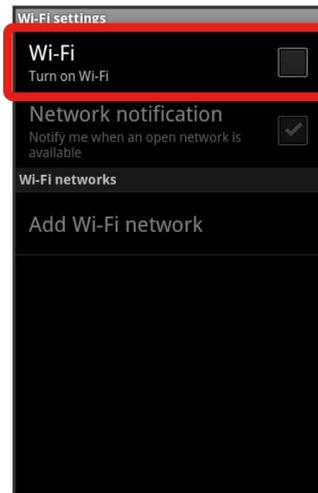


 Wi-Fi settings screen appears.

· Android 4.1: Settings menu → Tap a button on "Wi-Fi" to **ON** → **Wi-Fi** . Then, skip to Step **4** .

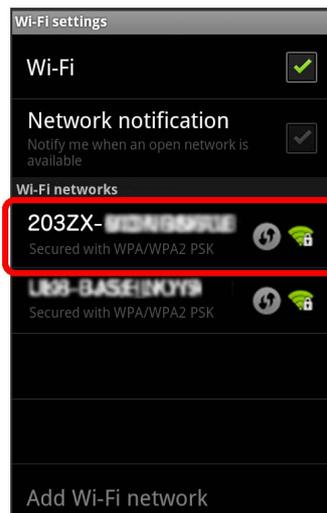
3

Wi-Fi ()



4

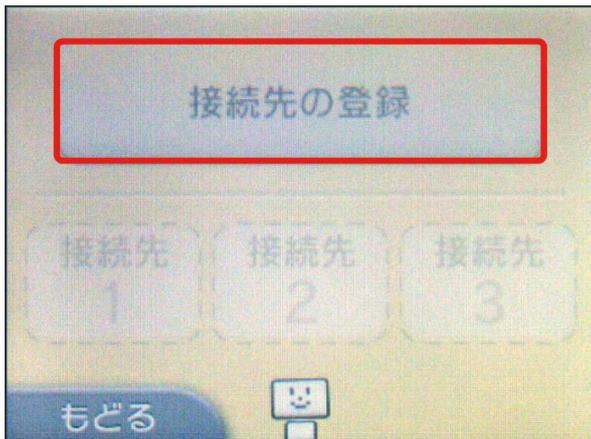
In Network Name list, Tap Wi-Fi router's SSID



- See supplied WLAN Initialization Sticker for SSID.
- If default SSID has been changed: Tap current network name.

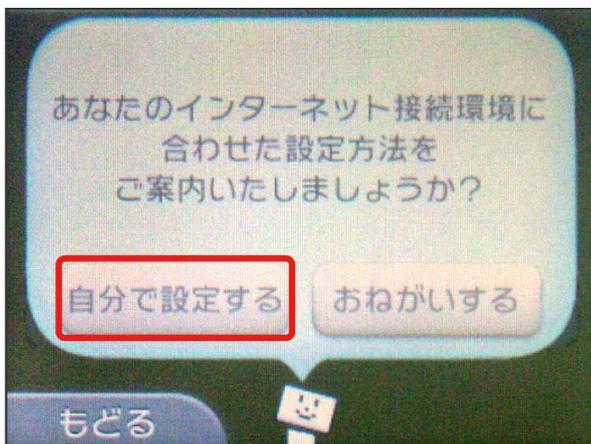
4

接続先の登録



5

自分で設定する



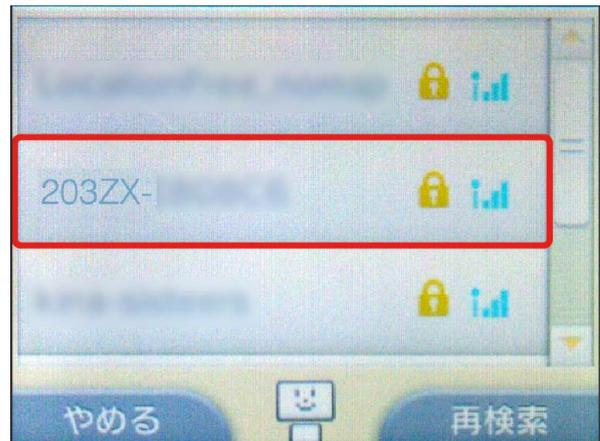
6

アクセスポイントを検索



7

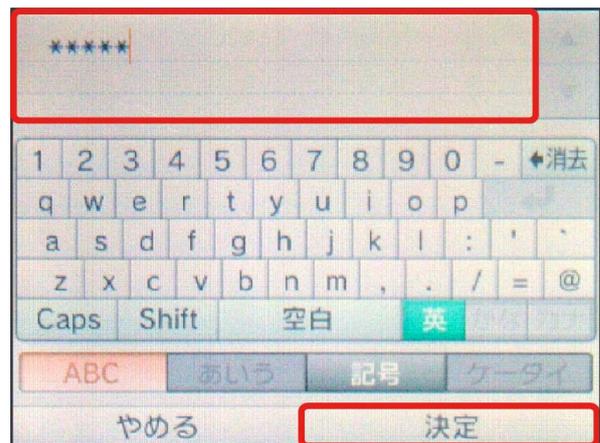
Touch Wi-Fi router SSID



- See supplied Initialization Sticker for SSID.
- If default SSID has been changed: Touch current network name.

8

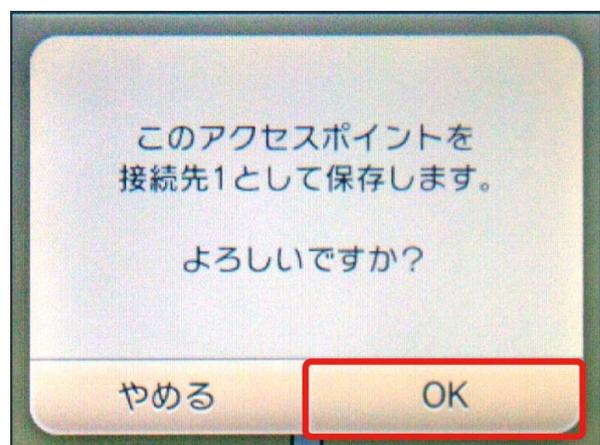
Enter Security Key correctly → 決定



- See supplied Initialization Sticker for security key.

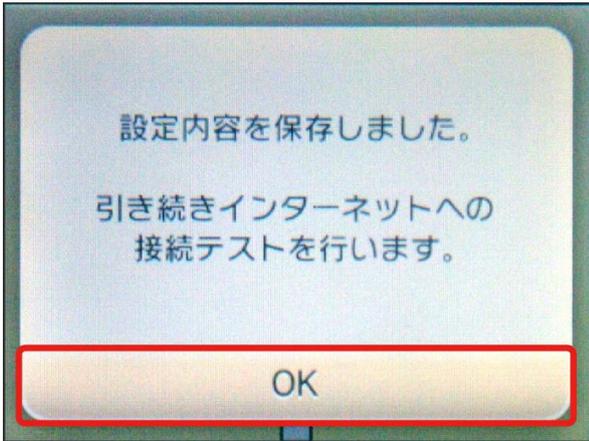
9

OK



10

OK



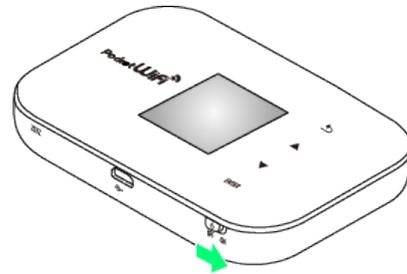
Connection Test starts. When "接続テストに成功しました!" appears, click **OK** to complete. Connected WLAN device count on Wi-Fi router Display increases by one (e.g.   ).

Connecting Nintendo DSi LL/DSi

Screenshots/operations are based on WLAN encryption method set to WPA. Screenshots/operations may vary when encryption method is not set to WPA.

1

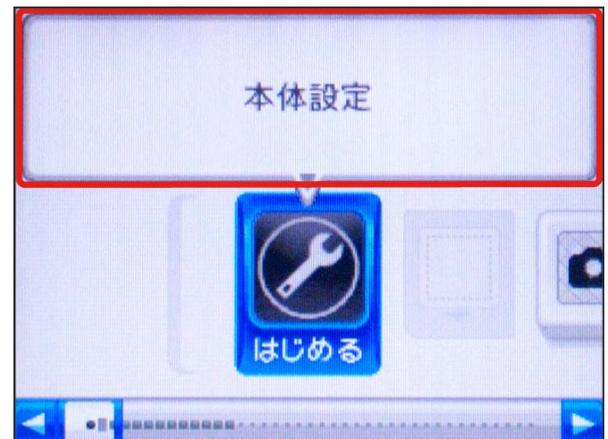
Slide  to ON



WLAN function activates and connects to Internet.

2

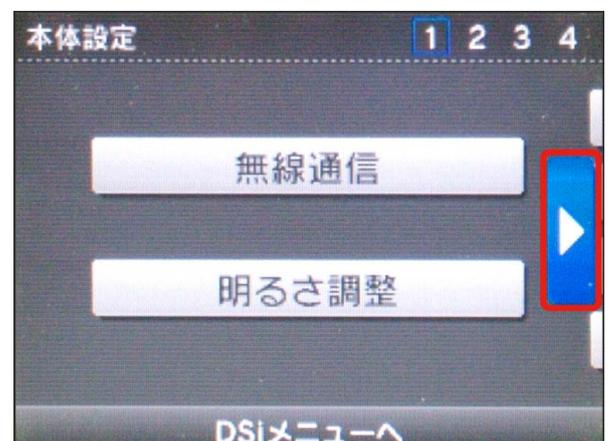
In Nintendo DSi menu, **本体設定**



· For operation, refer to each software user guide.

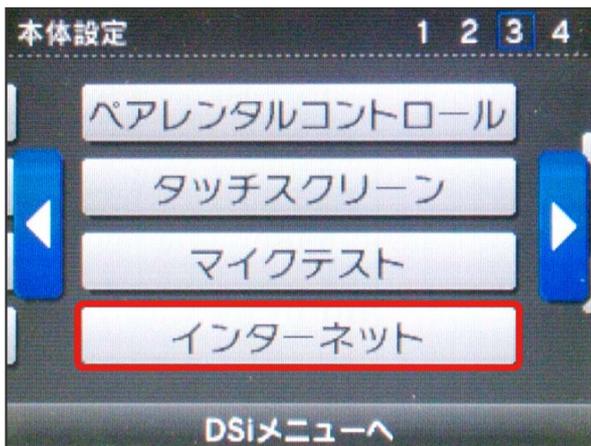
3

Touch  on the right side of the screen twice



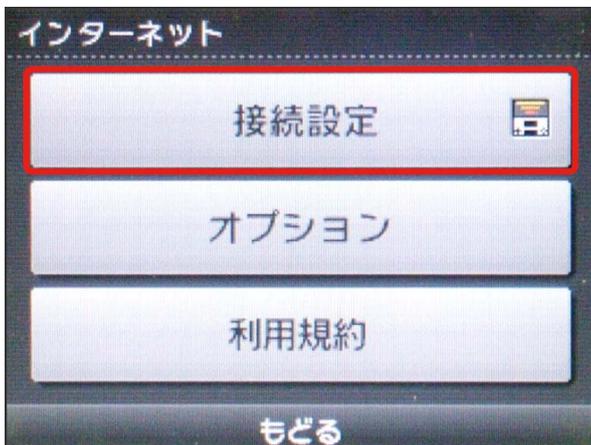
4

インターネット



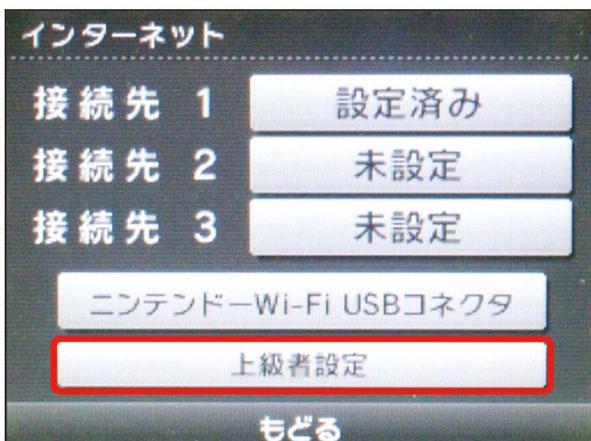
5

接続設定



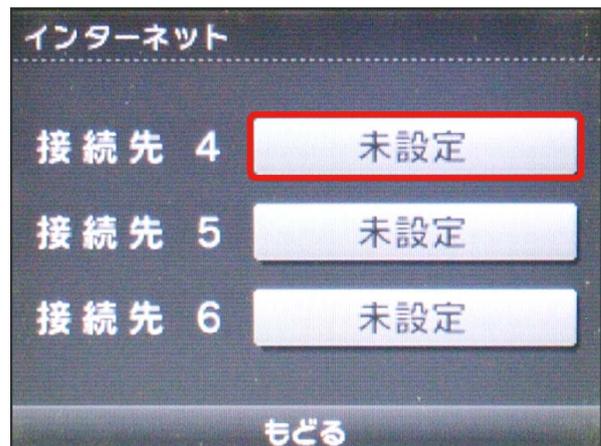
6

上級者設定



7

Touch any 未設定



8

アクセスポイントを検索



9

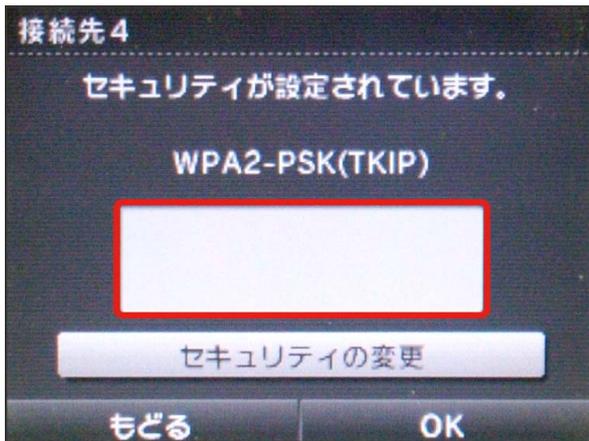
Touch Wi-Fi router SSID



- ・ See supplied Initialization Sticker for SSID.
- ・ If default SSID has been changed: Touch current network name.

10

Touch the entry field



11

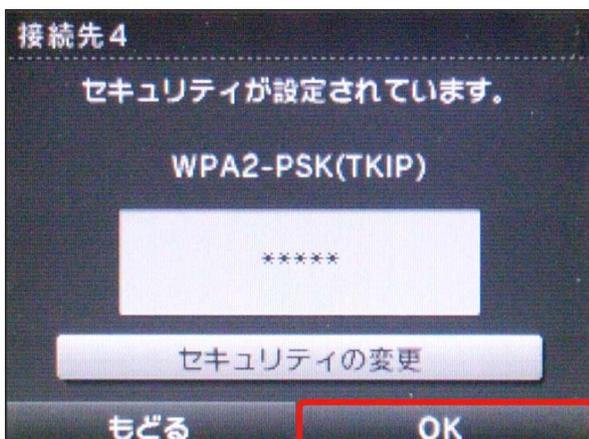
Enter security key correctly → OK



・ See supplied Initialization Sticker for security key.

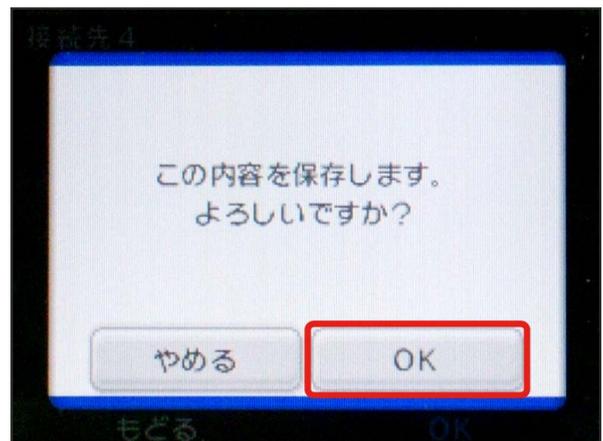
12

OK



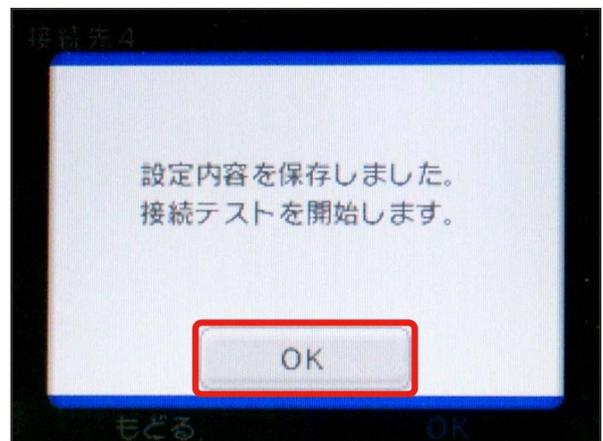
13

OK



14

OK



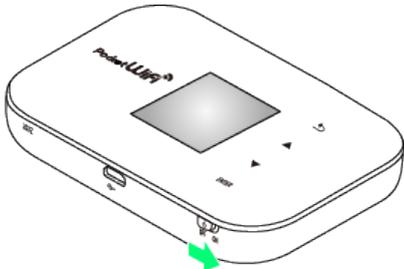
🚩 Connection test starts. When complete, "接続に成功しました" appears. Connected WLAN device count on Wi-Fi router Display increases by one (e.g.  → .

Connecting Nintendo DS

If the encryption method is set to WPA, Nintendo DS cannot be connected. WPA is set by default; use WEB UI to change authentication method in Basic Settings to "OPEN," set the encryption scheme to "WEP," and set a security key in the Key field. See "Basic Settings for WLAN."

1

Slide  to ON



 WLAN function activates and connects to Internet.

2

On Nintendo DS, activate game software compatible with Nintendo Wi-Fi Connection →  Wi-Fiコネクション設定

· For operation, refer to each software user guide.

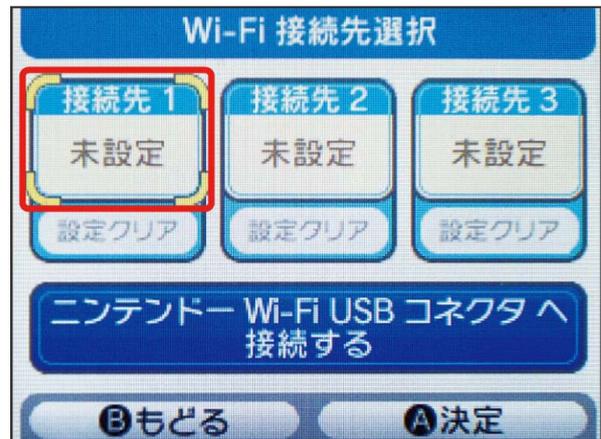
3

Wi-Fi接続先設定



4

Touch any 



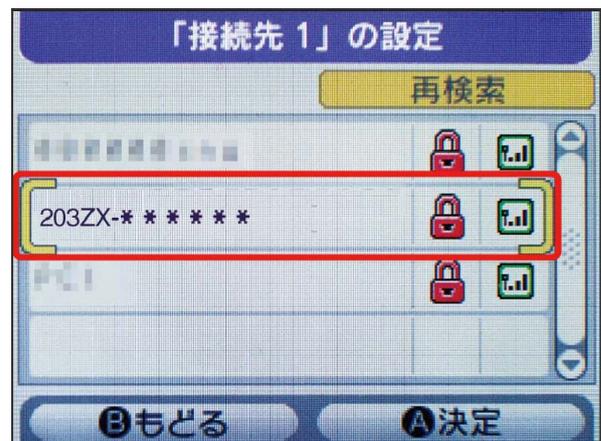
5

アクセスポイントを検索



6

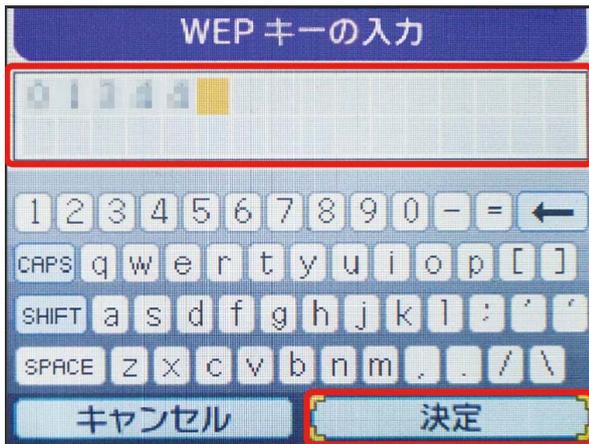
Select Wi-Fi router SSID



- See supplied Initialization Sticker for SSID.
- If default SSID has been changed: Touch current network name.

7

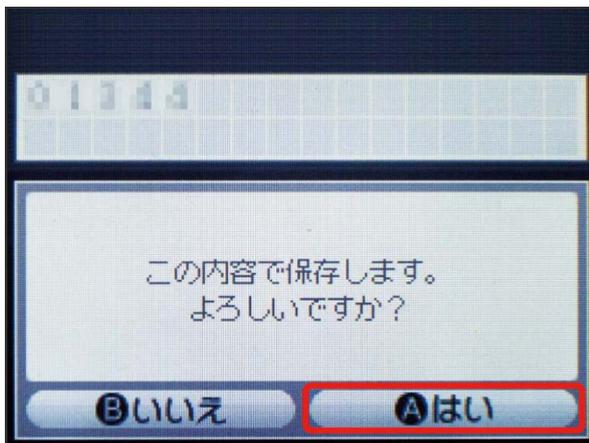
Enter security key correctly → 決定



· Input security key that has been set on WEB UI.

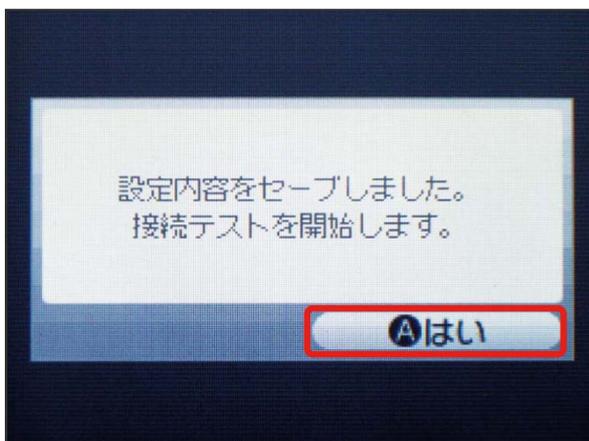
8

はい



9

はい



🚩 Connection test starts. When complete, "接続に成功しました。" appears. Connected WLAN device count on Wi-Fi router Display increases by one (e.g.  → ).

📶 Network Connection

Changing WLAN Security Settings

Note that changing Encryption settings ends current WLAN device connections.

Confirming Internet Connection

Confirm Wi-Fi router is connected to Internet. Internet connection is required to establish Wi-Fi connections.

! SSID (Network Name) and Security Key (WPA or WEP Key)

See supplied Initialization Sticker for SSID (Network Name) and security key (WPA key). If default SSID or security key has been changed, select current SSID or security key. SSID (network name) factory setting appears as an alphanumeric beginning with "203Za-" or "203Zb-." Unless this is changed, be careful to not connect to other appearing networks from which nearby WLAN signals are being transmitted.

Connecting PSVITA/PSP®

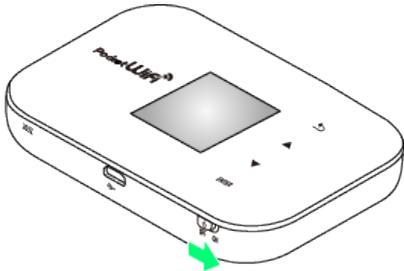
The connection steps are independently verified. Do not make inquiry to Sony Computer Entertainment Inc. about descriptions given here.

Connecting PlayStation® Vita

Screenshots/operations are based on WLAN encryption method set to WPA.

1

Slide  to ON



 WLAN function activates and connects to Internet.

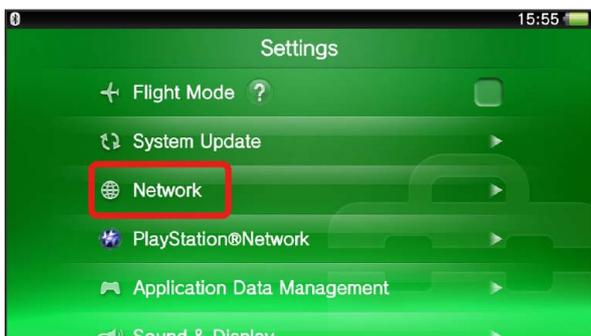
2

In PSVITA Home menu, **Settings** → **Start**



3

Network



4

Wi-Fi Settings



5

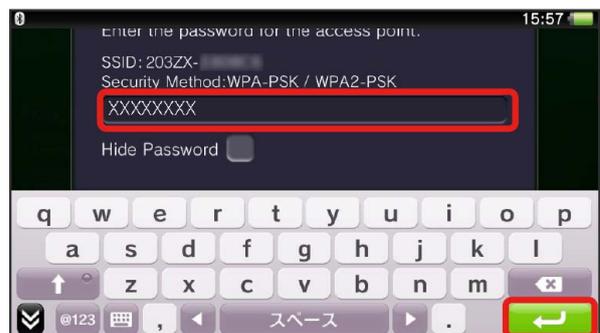
Tap Wi-Fi router SSID



- See supplied Initialization Sticker for SSID.
- If default SSID has been changed: Touch current network name.

6

Enter security key → 



- See supplied Initialization Sticker for security key.

5

New Connection → Press ○



· PSP-1000: Enter connection name → Press ▷ .

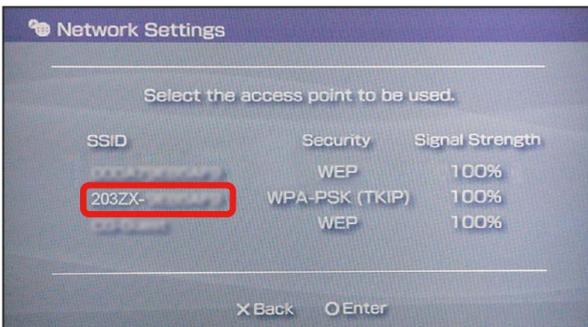
6

Scan → Press ▷



7

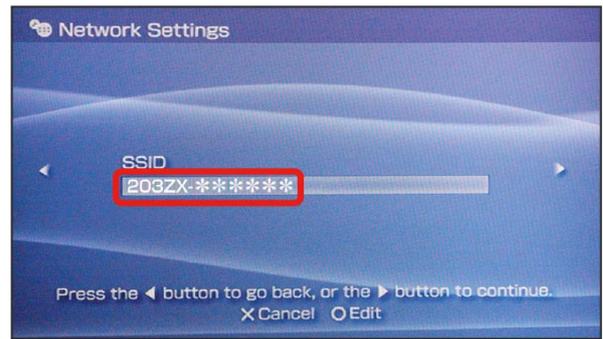
Select Wi-Fi router SSID → Press ○



- See supplied Initialization Sticker for SSID.
- If default SSID has been changed: Select current network name → Press ○ .

8

Confirm SSID → Press ▷



9

WPA-PSK (TKIP) → Press ▷



10

Press ○ → Enter security key → Press ▷



- See supplied Initialization Sticker for security key.

11

Easy → Press ▷



12

Confirm Connection Name → Press ▷



· PSP-1000: This screen does not appear. Skip to Step 13 .

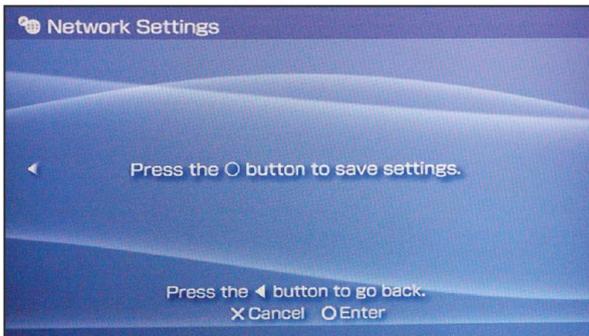
13

Confirm settings → Press ▷



14

Press ●



15

Press ●



🚩 The connection test starts. When complete, test results appear. Connected WLAN device count on Wi-Fi router Display increases by one (e.g. 📶 → 📶)

! SSID (Network Name) and Security Key (WPA or WEP Key)

See supplied Initialization Sticker for SSID (Network Name) and security key (WPA key). If default SSID or security key has been changed, select current SSID or security key.

SSID (network name) factory setting appears as an alphanumeric beginning with "203Za-" or "203Zb-." Unless this is changed, be careful to not connect to other appearing networks from which nearby WLAN signals are being transmitted.

Connecting PS3®

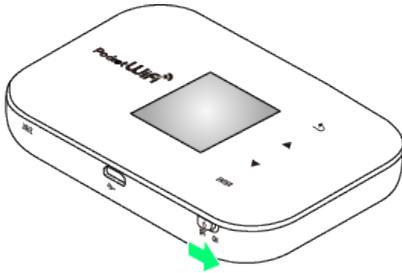
The connection test starts. When complete, test results appear.

Connecting PS3®

Screenshots/operations are based on WLAN encryption method set to WPA. Screenshots/operations may vary when encryption method is not set to WPA. See PS3® user guide.

1

Slide  to ON



 WLAN function activates and connects to Internet.

2

In PS3® Home menu, select **Settings** → **Network**
Settings → **Internet Connection Settings**

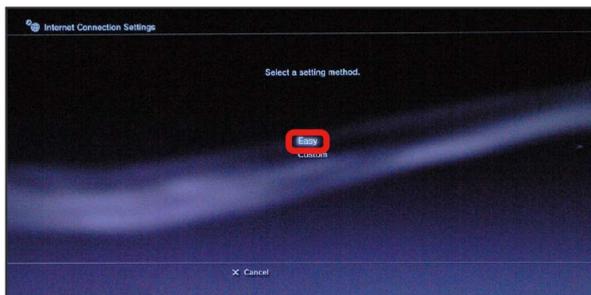


3

OK → Press 

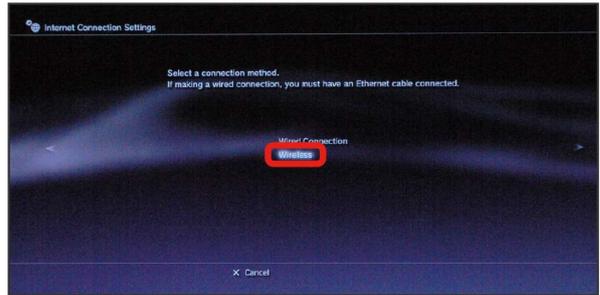
4

Easy → Press 



5

Wireless → Press 



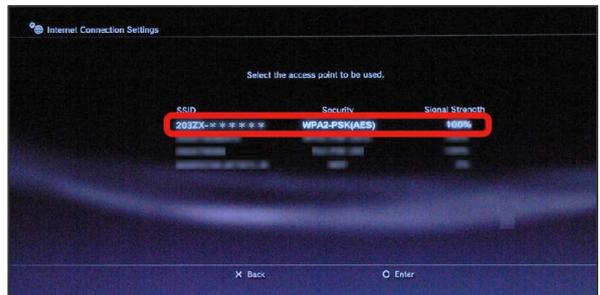
6

Scan → Press 



7

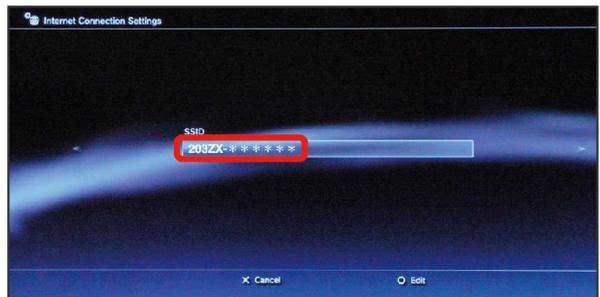
Select Wi-Fi router SSID → Press 



- See supplied Initialization Sticker for SSID.
- If default SSID has been changed: Select current network name → Press .

8

Confirm SSID → Press 



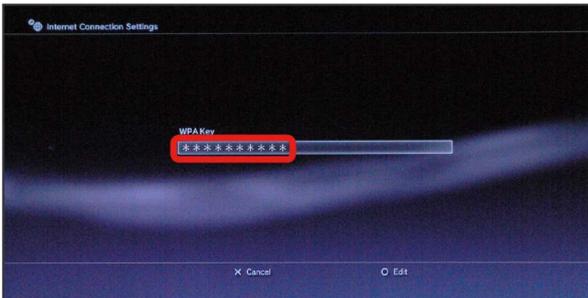
9

WPA-PSK/WPA2-PSK → Press ▷



10

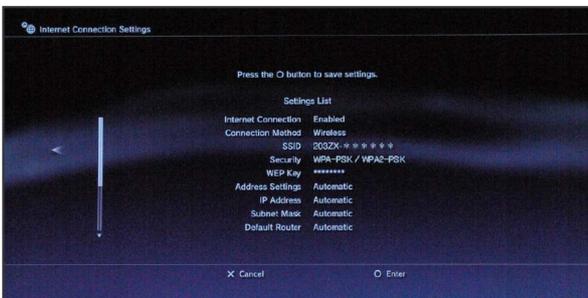
Press Ⓞ → Enter security key → Press ▷



· See supplied Initialization Sticker for Security Key.

11

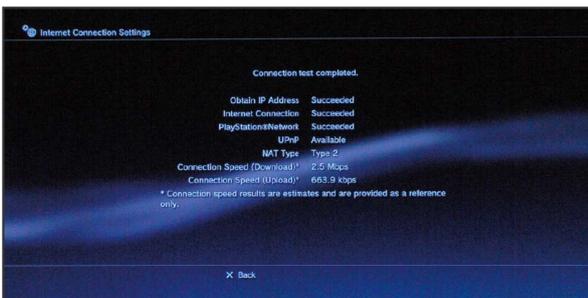
Confirm settings → Press Ⓞ



Settings are saved.

12

Press Ⓞ



The connection test starts. When complete, test results appear. Connected WLAN device count on Wi-Fi router Display increases by one (e.g. →).

! SSID (Network Name) and Security Key (WPA or WEP Key)

See supplied Initialization Sticker for SSID (Network Name) and security key (WPA key). If default SSID or security key has been changed, select current SSID or security key.

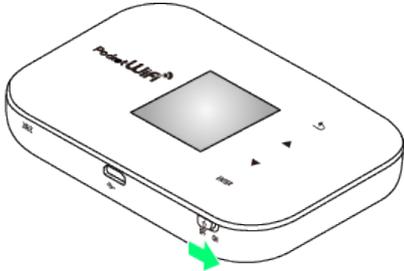
SSID (network name) factory setting appears as an alphanumeric beginning with "203Za-" or "203Zb-." Unless this is changed, be careful to not connect to other appearing networks from which nearby WLAN signals are being transmitted.

Connecting WPS Supported WLAN Devices

WPS Supported WLAN Devices

1

Slide  to ON



 WLAN function activates and connects to Internet.

2

Activate the device WLAN functions and prepare for WPS settings as required

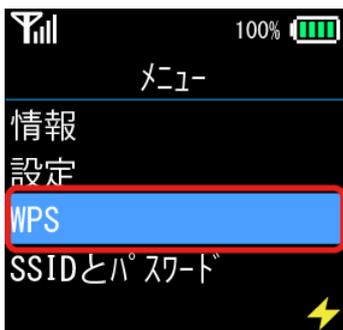
3

Touch **ENTER**

 "メニュー" screen appears.

4

Touch  or  to select **WPS**  Touch **ENTER**



 "WPS" screen appears.

5

Confirm **LAN Wi-Fi** is selected  Touch **ENTER**



 Connection starts.

6

Connect from WLAN devices via WPS

 When complete, "WPS接続に成功しました" appears.

7

If other settings are required with WLAN devices, follow the onscreen instructions

 Connected WLAN device count on Wi-Fi router Display increases by one (e.g.   ).

Notes on WPS Usage

Display Operation on Wi-Fi Router

Display operation is not possible while logged in to WEB UI. Operate Display after logging out of WEB UI.

Setting WPS

Setting methods for WPS functions vary according to device. See WLAN device user guide.

SSID Stealth

If SSID Stealth is enabled on SSID A, WPS functions are not available. See "Basic Settings for WLAN."

Encryption Method

When WEP encryption method is set, even if WPS functions are enabled, WPS functions are not available to make connections.

Connecting with Micro USB Cable (Windows)

USB Connection with a Windows PC.....	56
Device Recognition/Removal on Windows PC.....	56
Software Installation (Windows).....	58

USB Connection with a Windows PC

Overview

Wi-Fi router automatically connects to Internet when powered on. Connect with PC via Micro USB cable to allow data communication.

Device Recognition/Removal on Windows PC

Device Recognition (Windows)

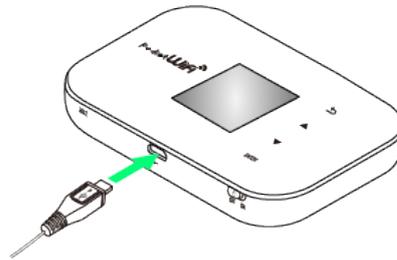
Upon connecting the first time, the device driver is installed automatically.

1

Power on PC

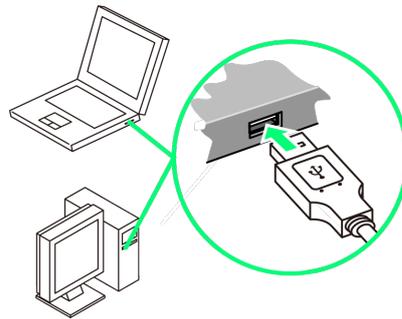
2

Insert Micro USB Cable into Wi-Fi router External Device Port



3

Insert Micro USB Cable (USB plug) into PC USB Port



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

Device Removal (Windows)

- For Windows 8/7, exit WEB UI before removing Wi-Fi router.
- For Windows Vista/Windows XP, use the Safely Remove Hardware function to stop Wi-Fi router before removing Wi-Fi router. Follow these steps to remove Wi-Fi router.

1

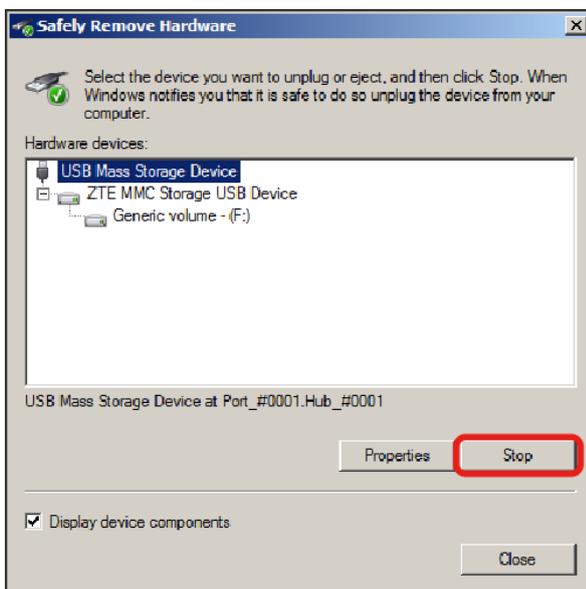
Double-click  in task tray

 Safely Remove Hardware window appears.

- Windows XP: Double-click  in task tray.

2

USB Mass Storage Device  Stop



 Stop a Hardware device window appears.

- Windows XP: Select **USB Mass Storage Device**.
- Be sure to select the correct device when multiple USB devices are connected.

3

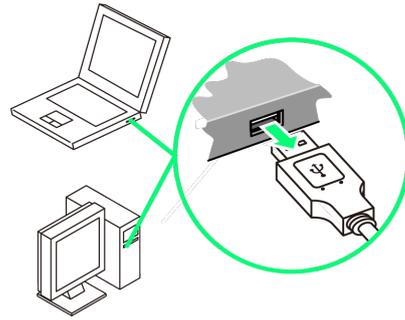
OK



- Confirm that Wi-Fi router can be safely removed from PC.

4

After a message saying that Wi-Fi router can be removed safely appears, remove Wi-Fi router



 Removal is complete.

+ When SD Card is Installed

When SD Card is installed, follow these steps:

Click  in task tray  **Eject Removable Disk**

- After a message saying that the hardware can be removed safely appears, remove Wi-Fi router.

! Cautions for Removing Wi-Fi Router

Standby/Hibernation

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

WEB UI

Exit WEB UI before removing Wi-Fi router. Do not remove Wi-Fi router during transmissions.

Software Installation (Windows)

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

If installation does not automatically start due to the PC environment, follow these steps:

Manual Installation

Screenshots/operations are based on Windows 8.

- Power on the PC first, and then connect Wi-Fi router to the PC.

1

Desktop → Start Explorer

2

Computer

- Windows 7: Click **Start menu** → **Computer** .
- Windows Vista: Click **Start menu** → **Computer** .
- Windows XP: Click **Start menu** → **My computer** .

3

Double-click "PocketWiFi"



User Account Control dialog box appears.

- Windows XP: This dialog box does not appear. When complete, browser activates and WEB UI login window opens.

4

Yes

Installation is complete.

- Windows Vista: Click **Continue** .

Uninstalling Driver

Screenshots/operations are based on Windows 8.

1

Desktop → Start Explorer

2

Computer

3

Uninstall or change a program



4

Select "PocketWiFi" → **Uninstall**

Uninstallation is complete.

Operations on Windows 7, Windows Vista or Windows XP

Windows 7

Follow these steps:

Start menu → **Control Panel** → **Programs** → **Programs and Features** → **PocketWiFi** → **Uninstall** → **Yes** on User Account Control dialog box

Uninstallation is complete.

Windows Vista

Follow these steps:

Start menu → **Control Panel** → **Programs** → **Programs and Features** → **PocketWiFi** → **Uninstall** → **Continue** on User Account Control dialog box

Uninstallation is complete.

Windows XP

Follow these steps:

Start menu → **Control Panel** → **Add or Remove Programs** → **PocketWiFi** → **Remove**

Uninstallation is complete.

Cautions for Installation

Removal of Wi-Fi Router

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

Administrator Privileges

Log in to an account with administrator privileges.

Connecting with Micro USB Cable (Mac)

USB Connection with a Mac.....	62
Device Recognition/Removal on Mac.....	62
Setup for Mac.....	64

USB Connection with a Mac

Overview

Wi-Fi router automatically connects to Internet when powered on. Connect with Mac via Micro USB cable to allow data communication.

Device Recognition/Removal on Mac

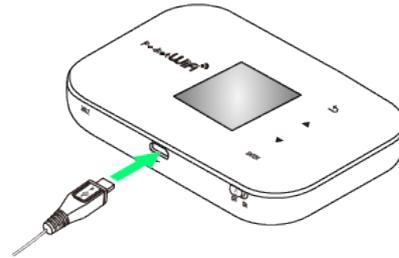
Device Recognition (Mac)

1

Power on Mac

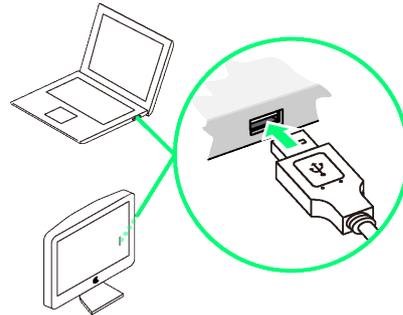
2

Insert Micro USB Cable into Wi-Fi router External Device Port



3

Insert Micro USB Cable (USB plug) Mac USB Port



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

- When Wi-Fi router installed with an SD Card is recognized,  appears on the desktop. Nothing appears when Wi-Fi router is not installed with an SD Card.

Device Removal (SD Card installed)

When removing Wi-Fi router that is installed with an SD Card from Mac, follow these steps. Files saved in SD Card may be damaged if Wi-Fi router is improperly removed.

1

Click .

 Finder appears.

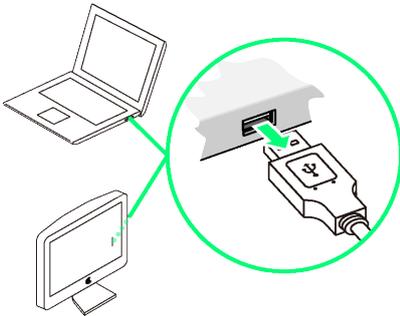
2

Click () removal icon for Wi-Fi router



3

Remove Wi-Fi router from Mac



 Removal is complete.

Device Removal (SD Card not installed)

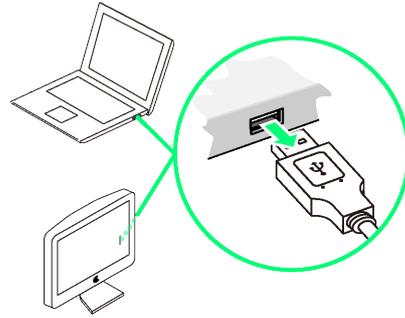
When removing Wi-Fi router that is not installed with an SD Card from Mac, follow these steps.

1

Make sure that data transmissions are not in progress.

2

Remove Wi-Fi router from Mac



 Removal is complete.

! Cautions for Removing Wi-Fi Router

Sleep Mode

Wi-Fi router may malfunction if Mac enters Sleep mode with it connected. Be sure to remove Wi-Fi router before leaving a 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.

Setup for Mac

Installation and uninstallation are not required because required programs are stored in Wi-Fi router.

Installation and Uninstallation

When connecting Wi-Fi router to Mac with Micro USB Cable, required programs such as drivers are automatically installed. When removing Wi-Fi router, uninstallation of programs is not required.

Setting up Network

Set up Wi-Fi router in "Network Preferences..."

1

Power on Mac

2

Connect Wi-Fi router to Mac

🚩 "A new network interface has been detected." appears.

3

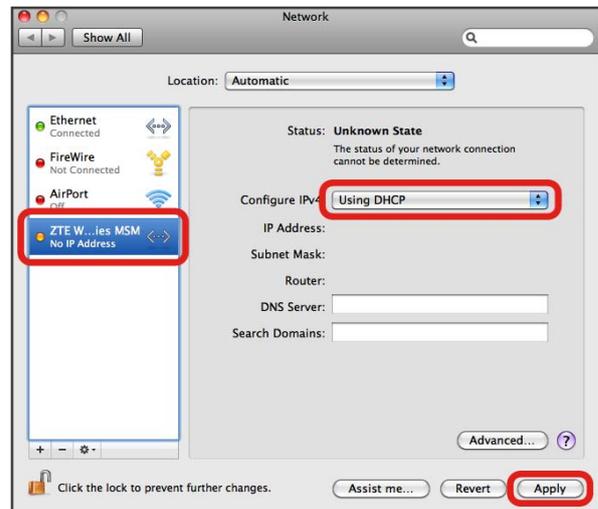
Network Preferences...



· If the message does not appear, in Apple menu, select **System Preferences...** → **Network** .

4

Select detected network interface → **Using DHCP** → **Apply**



🚩 IP address is set and Wi-Fi router connects to network.

Settings

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Overview of WEB UI

Use WEB UI functions in a browser to check and change Wi-Fi router's settings, by connecting Wi-Fi router to a PC or smartphone via Micro USB Cable or WLAN.

Activating WEB UI

1

Touch **ENTER**

 "メニュー" window appears.

2

Confirm **情報** is selected → Touch **ENTER**



 "情報" window appears.

3

Confirm **WEB UI URL** is selected → Touch **ENTER**



 URL of WEB UI appears.

4

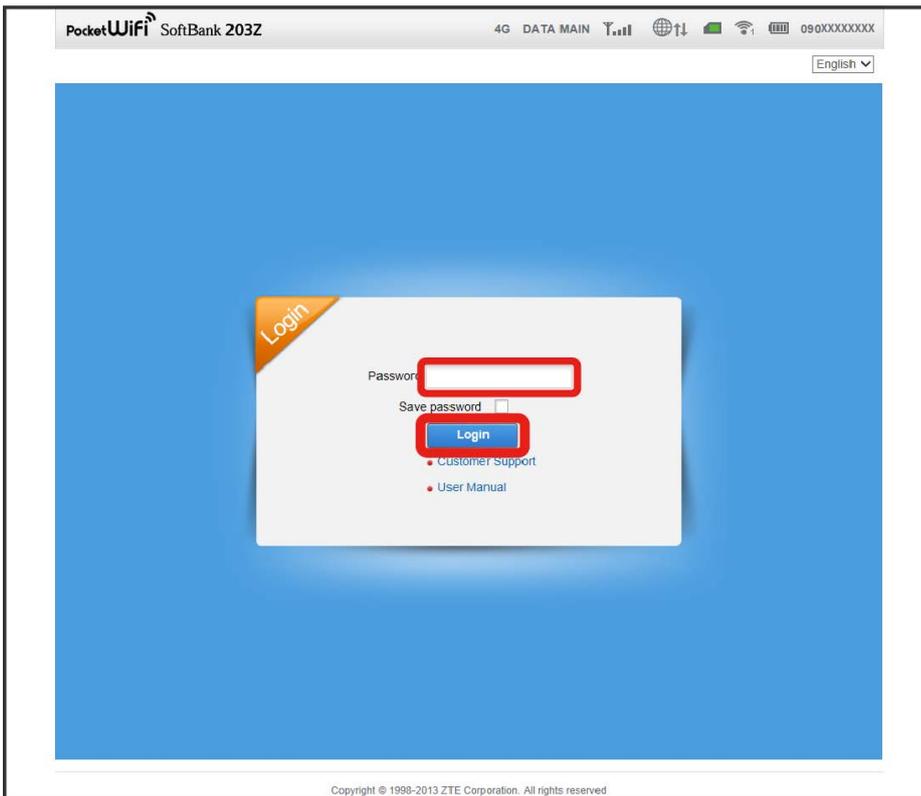
Enter URL in browser's address bar



WEB UI Login window appears.

5

Enter administrator password → Login



WEB UI window appears.

- Administrator password is "admin" by default. See "[Account Management \(Password\)](#)" for how to change administrator passwords.
- Simultaneous login from multiple devices is impossible.
- To switch language to English, select **English** from the language pulldown list.

Default Password

To enhance security, it is recommended that the default password be changed.

Cautions for Operating WEB UI

Logging in to WEB UI

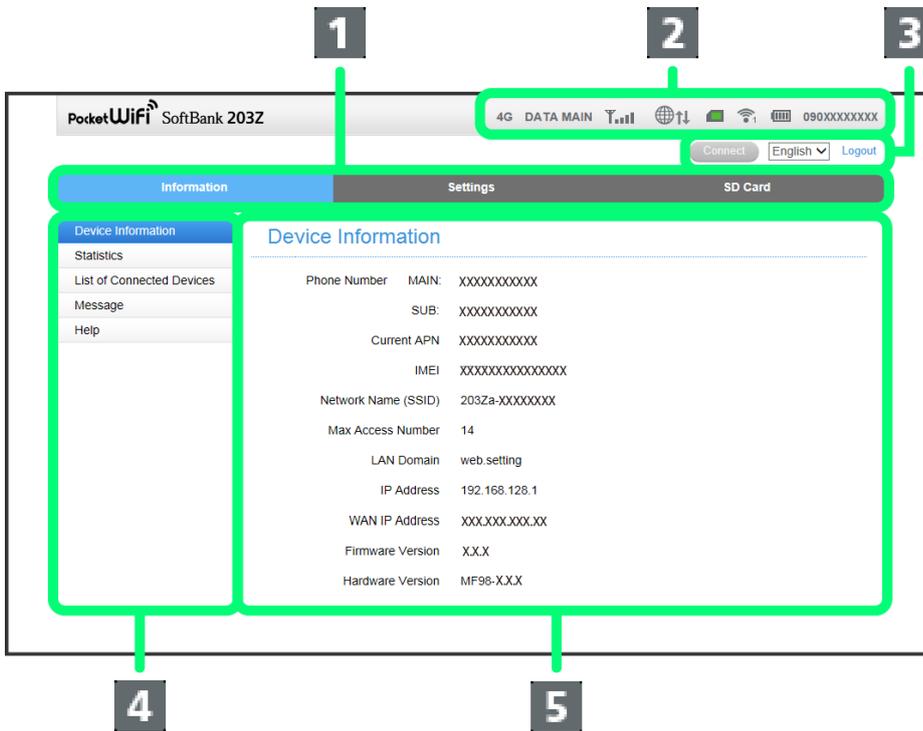
While operating Display on Wi-Fi router, WEB UI cannot be logged into. Show main window on Wi-Fi router then log into WEB UI.

Changing Settings while Wi-Fi router is wirelessly connected to the device

Using WEB UI to change Internet Wi-Fi Settings while Wi-Fi router is wirelessly connected to the device may close the WLAN connection. After completing settings, reconnect WLAN the device.

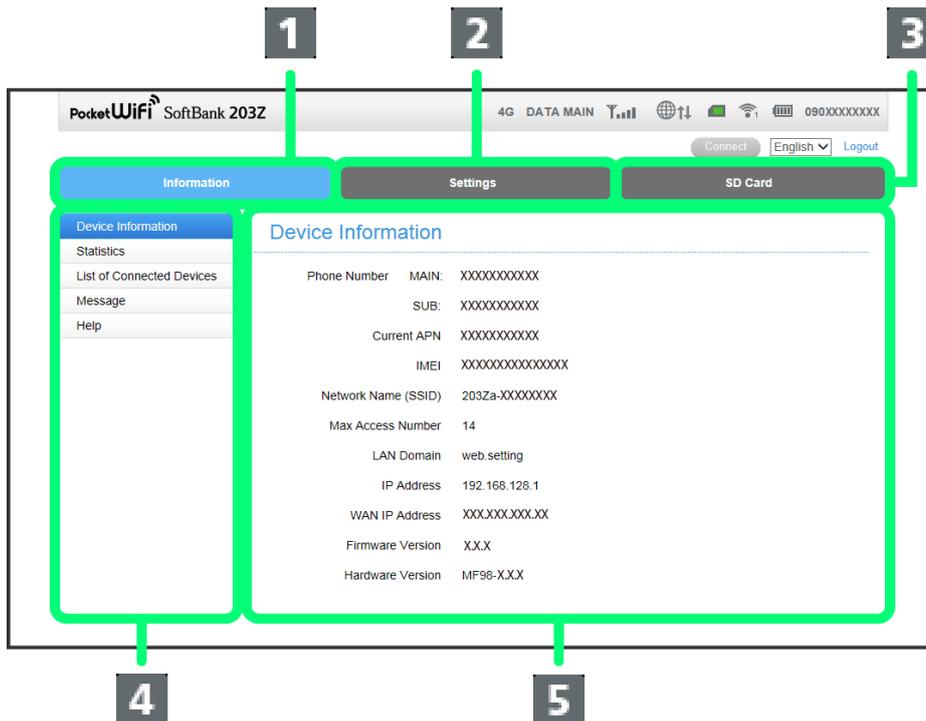
WEB UI Window

WEB UI Window



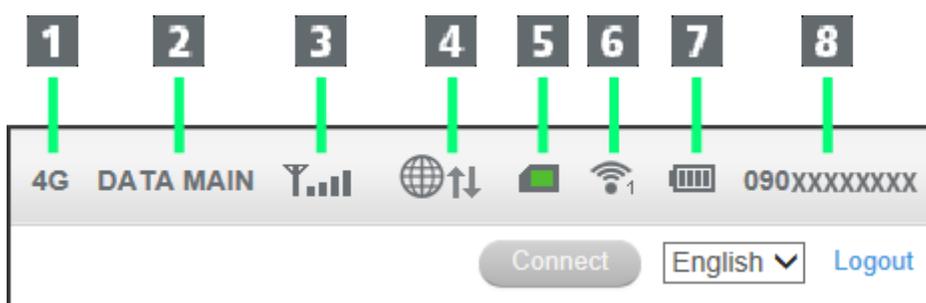
Item	Description
1 Tabs	Toggle Information, Settings and SD Card pages
2 Status Indicators	Indicate Wi-Fi router status including connection status
3 Connect, Language and Logout	Connect to network, select language and log in/out WEB UI
4 Menus	Toggle information/setting pages
5 Information/Setting Area	Show current information and settings for functions

Tabs, Menus, and Information/Setting Area



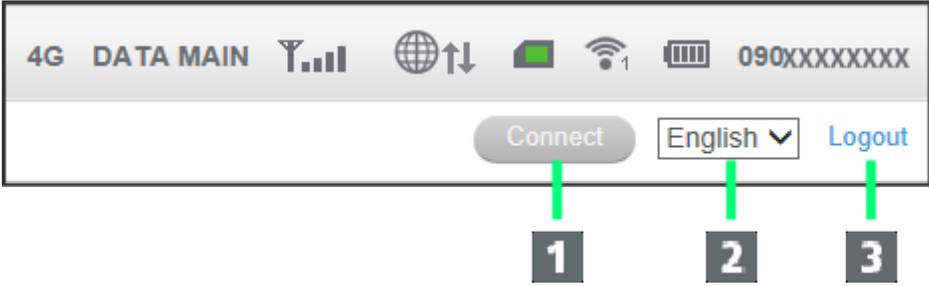
Item	Description
1 Information	Show menus for Status (Information screen)
2 Settings	Show menus for Settings (Settings screen)
3 SD Card	Show menus for SD Card (SD Card screen)
4 Menus	Toggle information/setting screens
5 Information/Setting Area	Show current information and settings for functions

Status Indicators



Item	Description
1 Network Type	Network type currently connected (4G, LTE, 3G)
2 Network Operator Name	Show network operator name
3 Signal Strength of Mobile Network	Level of signal strength
4 Internet Connection Status	Status of network connection
5 USIM Card	Show USIM Card activated/inactivated
6 Connected WLAN Devices	Number of connected WLAN devices
7 Battery Status	Indicate battery level or charging status
8 Phone Number	Phone number of USIM Card

Connect, Language, and Logout



Item	Description
1 Connect	Connect to network according to settings
2 Language	Select language
3 Logout	Log out from WEB UI

Checking Device Information

Check device information, system information, current information on network conditions, amount of data uploaded/downloaded, and information on manuals and customer support.

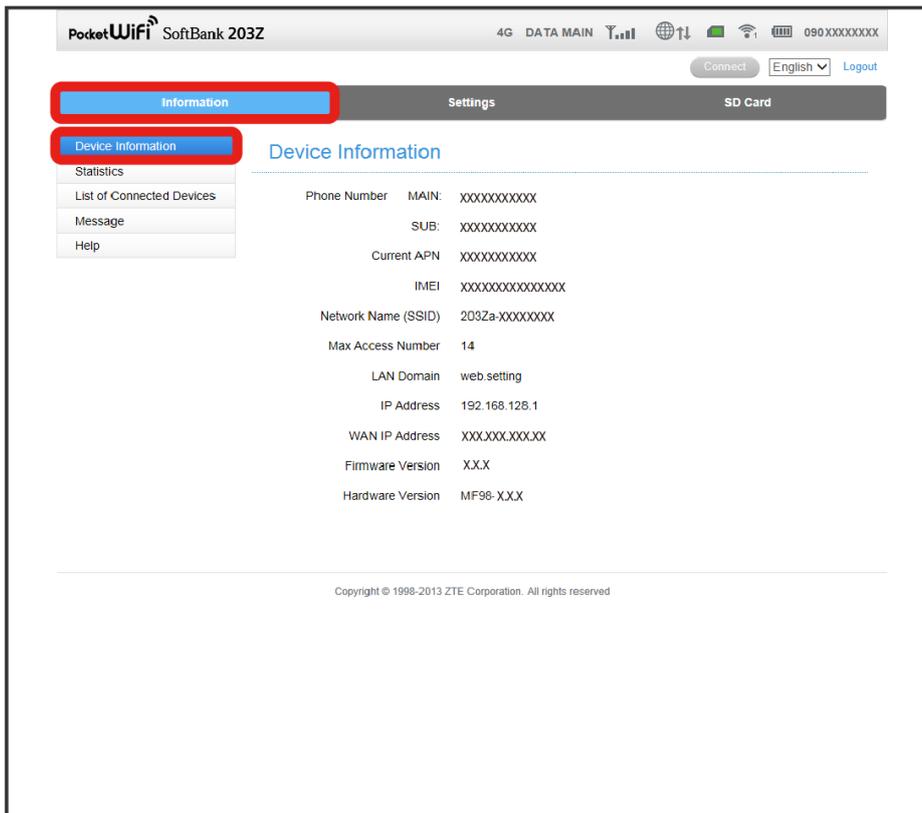
Device information, information on manuals and customer support can be accessed directly from Login window in WEB UI.

Device Information

Check device information of Wi-Fi router such as Phone Number, SSID (Network Name), Software Version, Hardware Version, etc.

1

In Information screen, **Device Information**



The screenshot shows the web interface of a PocketWiFi SoftBank 203Z. The top status bar displays '4G DATA MAIN', signal strength, Wi-Fi, and battery icons, along with the number '090XXXXXXXX'. Below the status bar, there are three tabs: 'Information' (highlighted with a red box), 'Settings', and 'SD Card'. Under the 'Information' tab, there is a sub-menu with 'Device Information' (highlighted with a red box), 'Statistics', 'List of Connected Devices', 'Message', and 'Help'. The 'Device Information' page displays the following details:

Phone Number	MAIN: XXXXXXXXXXX
	SUB: XXXXXXXXXXX
Current APN	XXXXXXXXXXXX
IMEI	XXXXXXXXXXXXXXX
Network Name (SSID)	2032a-XXXXXXXX
Max Access Number	14
LAN Domain	web.setting
IP Address	192.168.128.1
WAN IP Address	XXX.XXX.XXX.XX
Firmware Version	XX.X
Hardware Version	MF98-XX.X

At the bottom of the page, there is a copyright notice: 'Copyright © 1998-2013 ZTE Corporation. All rights reserved.'

 Device Information screen appears.

Statistics

Confirm communication speed, connected time, data transfer volumes, etc.

- Values for data transfer volumes are approximates.

1

In Information screen, **Statistics**

Statistics

Speed	Upload		Download	
	Duration	Downloaded	Uploaded	Total Used Data
Total				
Current Connection	00:09:32	454.66KB	25.52KB	480.18KB
Current Month	00:10:30	454.8KB	25.67KB	480.48KB
DATA MAIN				
Current Connection	00:09:32	454.66KB	25.52KB	480.18KB
Current Month	00:10:30	454.8KB	25.67KB	480.48KB
DATA SUB				
Current Connection	00:00:00	0B	0B	0B
Current Month	00:00:00	0B	0B	0B

• Data usage of this month: **Limit: 2GB Used: 480.48KB(0.02%) Left: 2GB(99.98%)**

Reset

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Statistics screen appears.

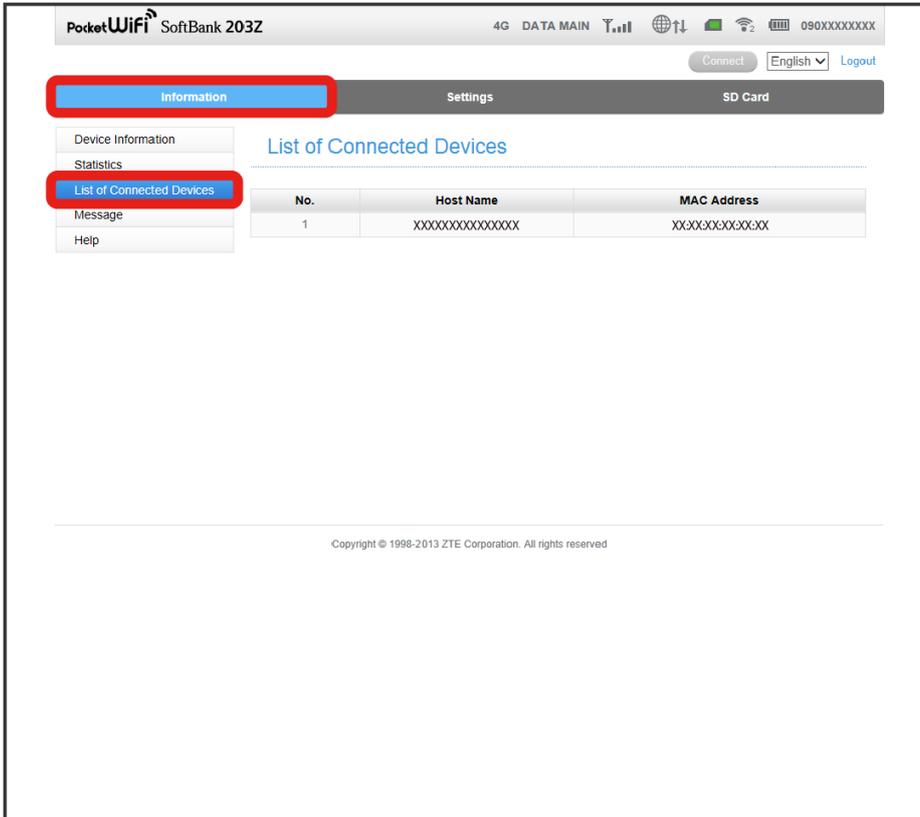
- Click **Reset** to reset the connected time and values for data transfer volumes.

Connected Devices

Confirm Host name and MAC address of devices currently connected.

1

In Information screen, **List of Connected Devices**



The screenshot shows the PocketWiFi web interface. At the top, it displays 'PocketWiFi SoftBank 203Z' and various status icons. Below the status bar, there are three tabs: 'Information', 'Settings', and 'SD Card'. The 'Information' tab is selected and highlighted with a red box. Under the 'Information' tab, there is a sidebar menu with items: 'Device Information', 'Statistics', 'List of Connected Devices' (highlighted with a red box), 'Message', and 'Help'. The main content area is titled 'List of Connected Devices' and contains a table with the following data:

No.	Host Name	MAC Address
1	XXXXXXXXXXXXXX	XXXXXXXXXX:XX

At the bottom of the page, there is a copyright notice: 'Copyright © 1998-2013 ZTE Corporation. All rights reserved.'

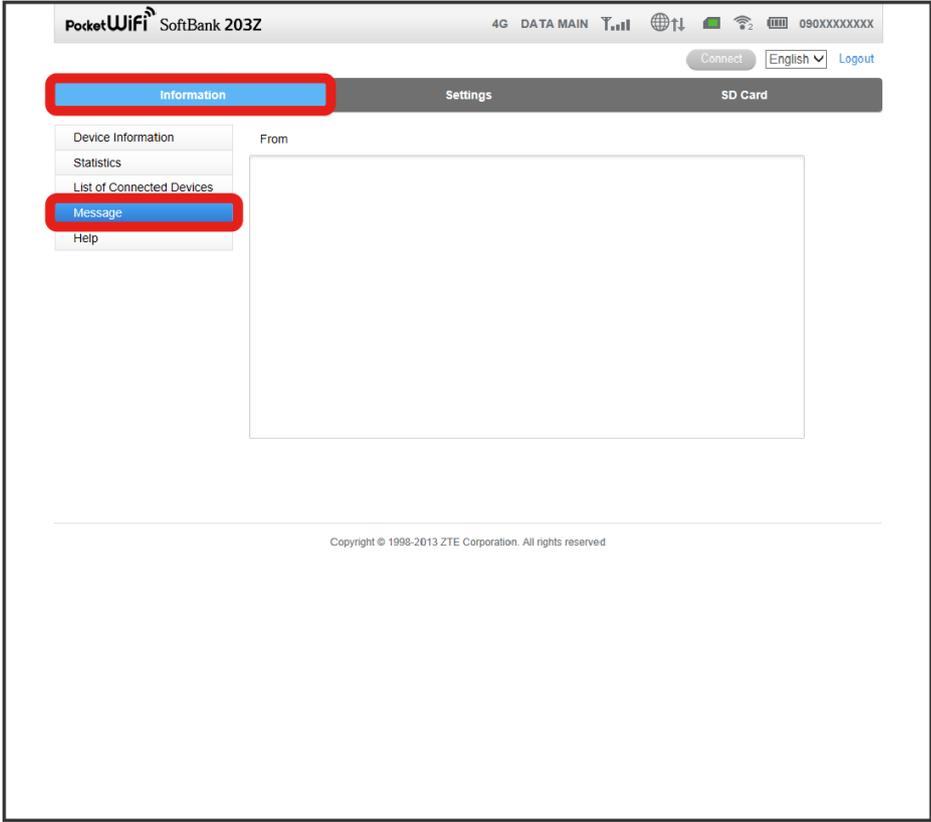
🚩 List of Connected Devices screen appears.

Message

Confirm received message.

1

In Information screen, **Message**



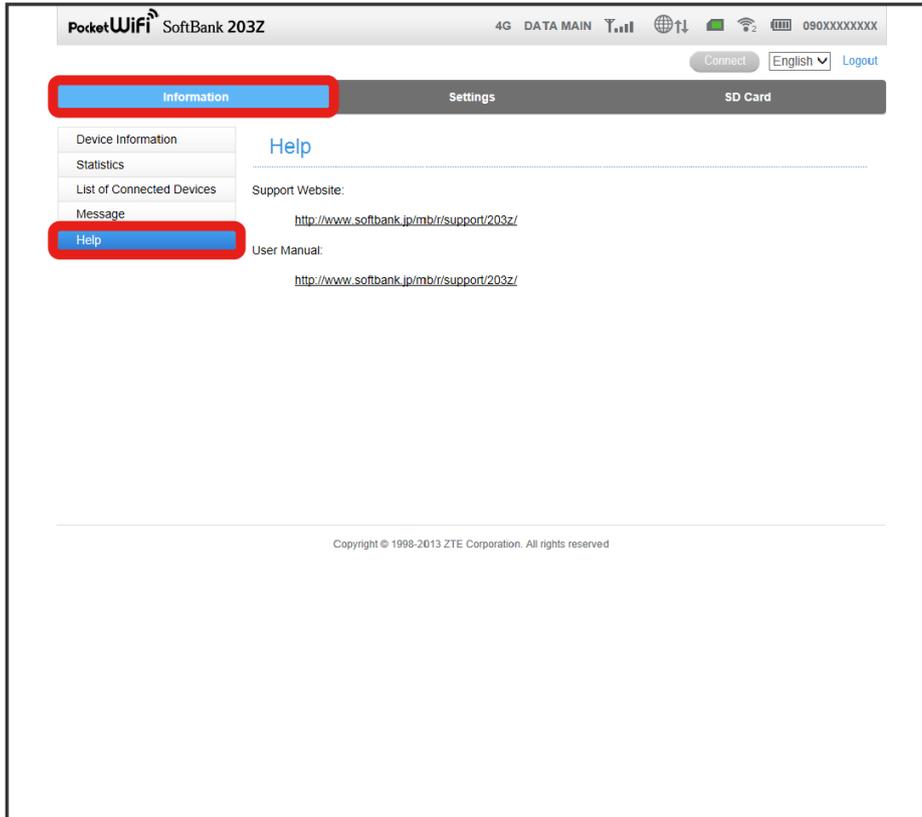
 Message screen appears.

Support Information (Help)

Show URLs for Manual Download and ZTE Support Information.

1

In Information screen, **Help**



 Help screen appears.

Sharing SD Card, Managing Files

Set the sharing mode of SD Card. Also, check files stored in SD Card through WEB UI, and add or delete files to/from SD Card.

Sharing SD Card Data

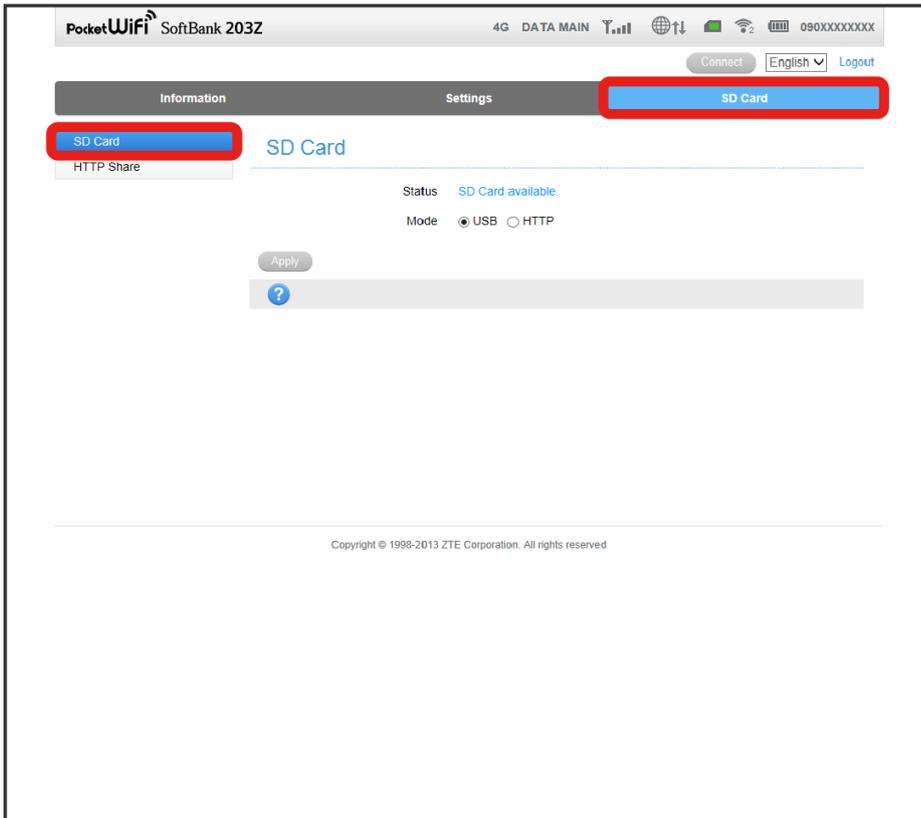
There are two methods for sharing SD Card; USB and HTTP.

Select USB to use Wi-Fi router as a Flash memory when connecting to PC with Micro USB Cable.

Select HTTP to transfer data between SD Card and PC through WEB UI. The range of content and access rights for SD card can also be set.

1

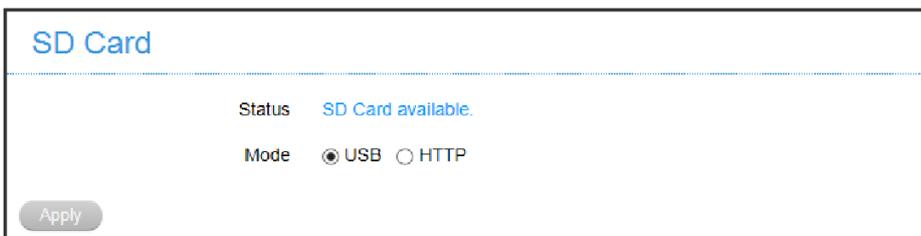
In SD Card screen, **SD Card**



SD Card screen appears.

2

Select Mode **Apply**



If Mode is set to **USB**, the setting is complete.

- If Mode is set to **HTTP**, more setting items appear.
- "SD Card Security Settings" appears when Mode is set to **HTTP**.

3Set SD Card Settings →

SD Card

Status **SD Card available.**

Mode USB HTTP

Share Setting Enable Disable

File to Share Entire SD Card Custom

Access Type Read/Write Read Only

Path to Share *

 The settings are applied.

- If Share Setting is set to , "View SD Card" appears on Login window, and files/folders can be viewed and managed without logging in.

4Enter password in SD Card Security Settings as required →

SD Card Security Settings

Current Password

New Password

Confirm New Password

 New password is set.

- When password is not set, "Current Password" field is grayed out.
- Note down the password so as not to forget it.

View Data in SD Card

Show list of data in SD Card in WEB UI.

Operations are based on Mode set to HTTP and Sharing Setting set to Enable in SD Card.

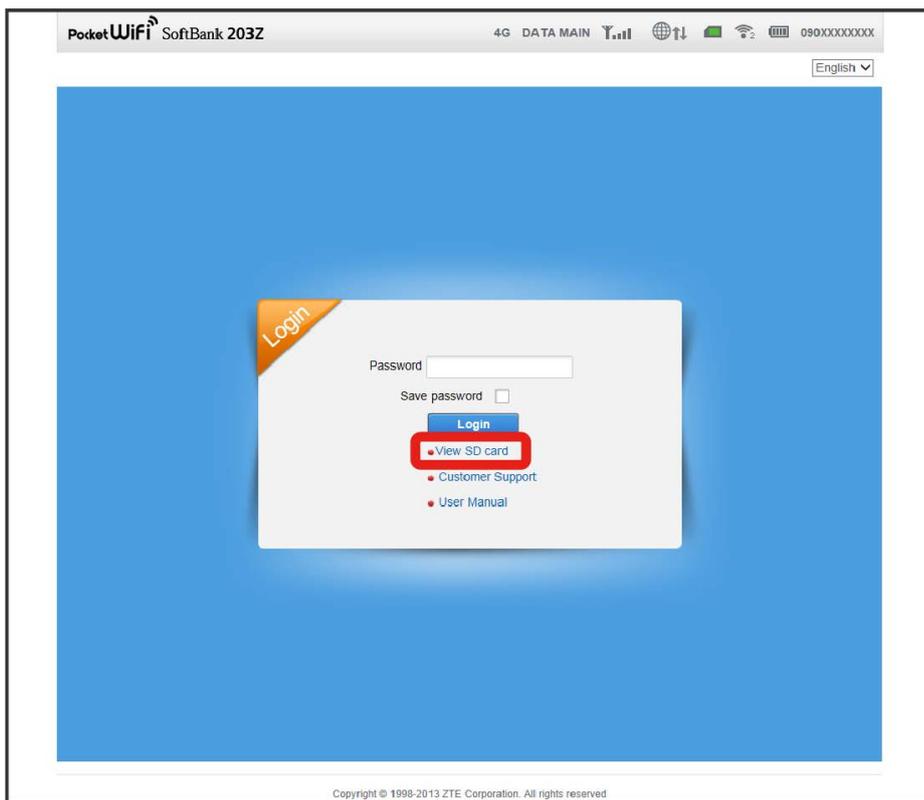
1

Activate WEB UI.

 Login window appears.

2

View SD Card



 List of files and folders in SD Card appears on HTTP screen.

- Input Password window appears when password has been set. Enter password and click **Apply**.
- To show data in SD Card after login, click **SD Card**  **HTTP** after login.

Click folder name to check.

Path: /samplephoto 1.86GB/1.86GB

Root Back New

<input type="checkbox"/>	Name	Rename	Download	File Size	Updated Time
<input type="checkbox"/>	001.JPG	Rename		1.29MB	2013-08-02 11:46:06
<input type="checkbox"/>	002.JPG	Rename		0.99MB	2013-08-02 11:43:06
<input type="checkbox"/>	003.JPG	Rename		1.03MB	2013-08-02 11:43:24
<input type="checkbox"/>	004.jpg	Rename		1.29MB	2013-08-02 11:43:36
<input type="checkbox"/>	005.JPG	Rename		1.13MB	2013-08-02 11:46:54
<input type="checkbox"/>	130802photo	Rename			2013-08-02 11:45:24

<< 1 >>

Delete Delete All Back to Login

No file selected... Browse Upload

?

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Files and folders in the selected folder are shown.

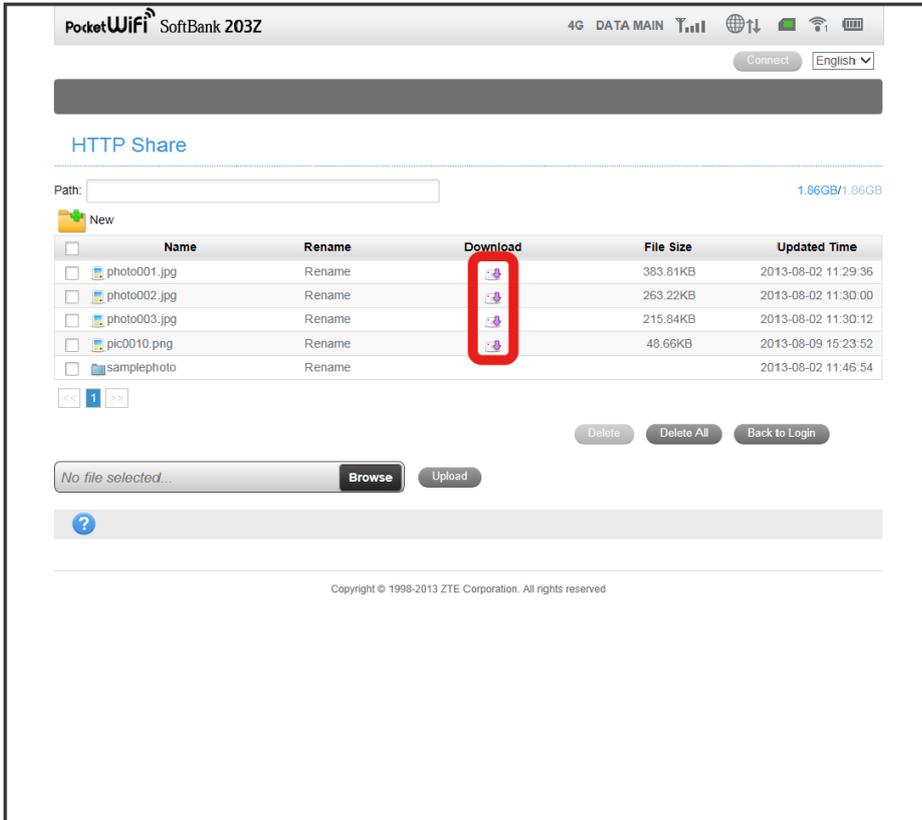
- Click **Root** to go back to the root directory.
- Click **Back** to go back to the upper directory.
- Click **New** and enter name to make a new folder in the shown directory.
- Click **Rename** of a file or folder to modify the name.
- Click **Back to Login** to go back to Login window.

Saving Data in SD Card to PC

Save data in SD Card to PC.

1

Click download icon () of the file to save



PocketWiFi SoftBank 203Z 4G DATA MAIN    Connect English

HTTP Share

Path: 1.86GB/1.86GB

New

<input type="checkbox"/>	Name	Rename	Download	File Size	Updated Time
<input type="checkbox"/>	photo001.jpg	Rename		383.81KB	2013-08-02 11:29:36
<input type="checkbox"/>	photo002.jpg	Rename		263.22KB	2013-08-02 11:30:00
<input type="checkbox"/>	photo003.jpg	Rename		215.84KB	2013-08-02 11:30:12
<input type="checkbox"/>	pic0010.png	Rename		48.66KB	2013-08-09 15:23:52
<input type="checkbox"/>	samplephoto	Rename			2013-08-02 11:46:54

<< 1 >>

Delete Delete All Back to Login

No file selected... Browse Upload

?

Copyright © 1998-2013 ZTE Corporation. All rights reserved

2

Save as  Specify the destination folder  Save

 After selected file is saved to the specified folder, a download completion message appears.

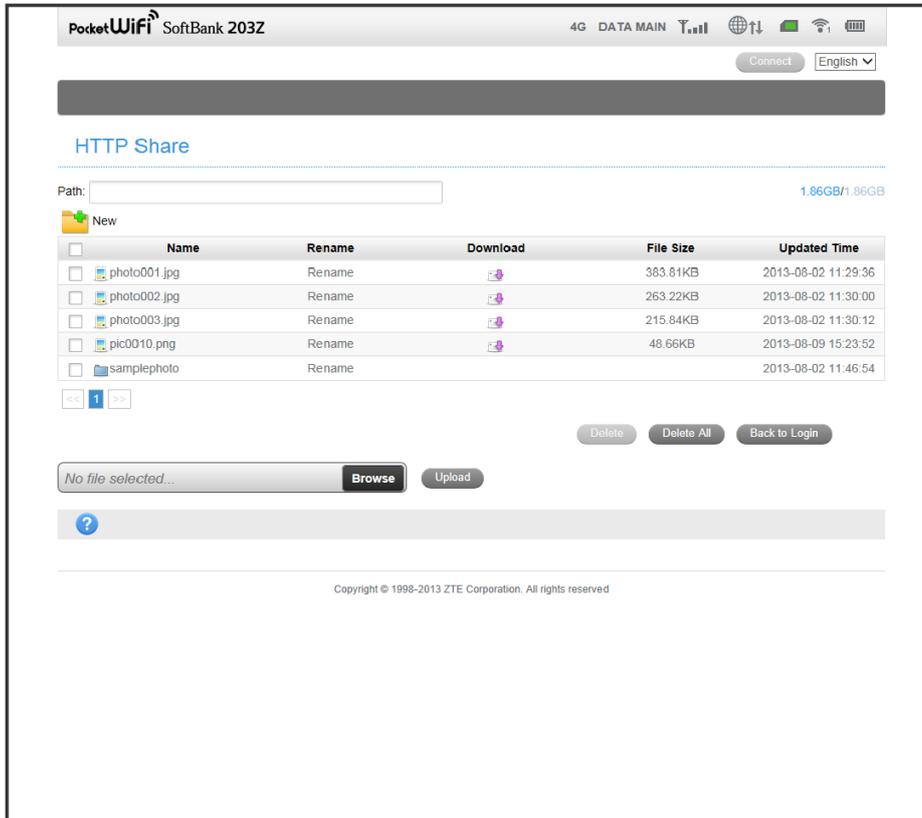
- Method to specify the destination folder may vary depending on browser.
- Do not reload the page while downloading the file.

Saving Data to SD Card

Save data in PC to SD Card.

1

Open a destination folder

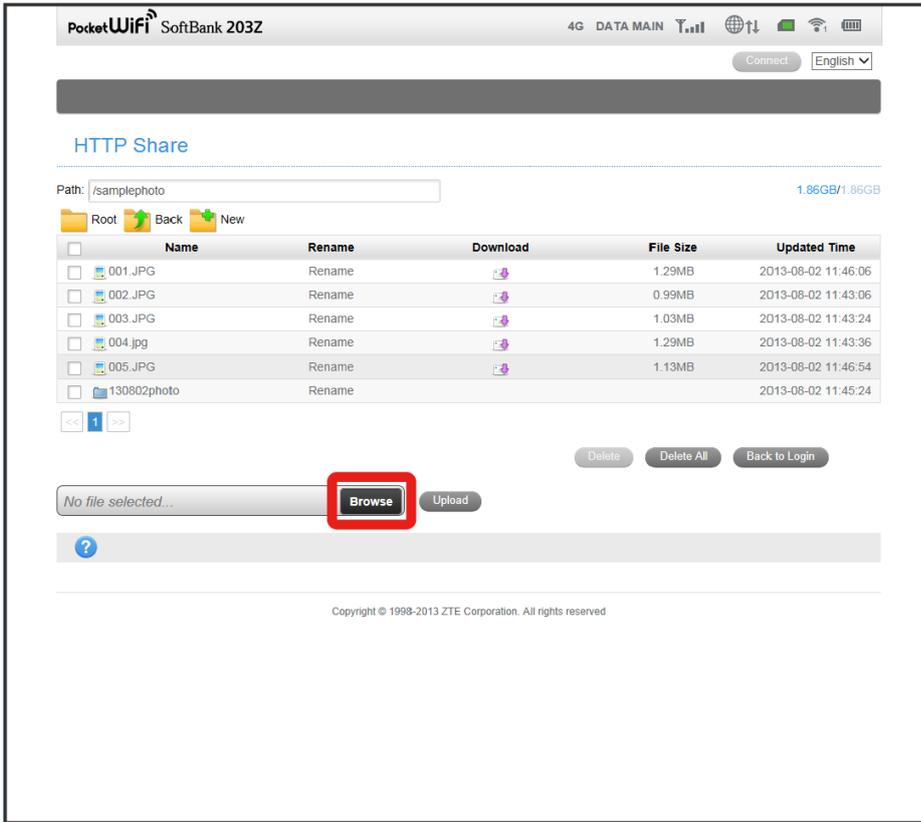


The screenshot shows the PocketWiFi web interface. At the top, it displays 'PocketWiFi SoftBank 203Z' and '4G DATA MAIN'. There are status icons for signal strength, Wi-Fi, and battery. A 'Connect' button and a language dropdown set to 'English' are visible. Below this is a 'HTTP Share' section with a 'Path:' input field and a storage indicator '1.86GB/1.86GB'. A 'New' folder icon is present. A table lists files with columns for Name, Rename, Download, File Size, and Updated Time. The files listed are photo001.jpg, photo002.jpg, photo003.jpg, pic0010.png, and samplephoto. Below the table are navigation arrows and a page number '1'. At the bottom of the interface, there are buttons for 'Delete', 'Delete All', and 'Back to Login'. A file selection area shows 'No file selected...' with 'Browse' and 'Upload' buttons. A help icon (?) is also present. The footer contains the copyright notice: 'Copyright © 1998-2013 ZTE Corporation. All rights reserved.'

<input type="checkbox"/>	Name	Rename	Download	File Size	Updated Time
<input type="checkbox"/>	photo001.jpg	Rename		383.81KB	2013-08-02 11:29:36
<input type="checkbox"/>	photo002.jpg	Rename		263.22KB	2013-08-02 11:30:00
<input type="checkbox"/>	photo003.jpg	Rename		215.84KB	2013-08-02 11:30:12
<input type="checkbox"/>	pic0010.png	Rename		48.66KB	2013-08-09 15:23:52
<input type="checkbox"/>	samplephoto	Rename			2013-08-02 11:46:54

2

Browse



Dialog box for specifying a file to save appears.

3

Select a file to save.

Deleting Files from SD Card

Delete files or folders in SD Card.

1

Add check mark to the box at the beginning of each file or folder to delete.

The screenshot shows the 'HTTP Share' interface of a PocketWiFi device. At the top, it displays 'PocketWiFi SoftBank 203Z' and network status '4G DATA MAIN'. Below the status bar, there are 'Connect' and 'English' buttons. A 'Path:' input field is present with a storage indicator '1.86GB/1.86GB'. A 'New' button is located above a table of files. The table has columns for 'Name', 'Rename', 'Download', 'File Size', and 'Updated Time'. A red box highlights the checkboxes in the first column of the table. Below the table are 'Delete', 'Delete All', and 'Back to Login' buttons. At the bottom, there is a 'No file selected...' message with 'Browse' and 'Upload' buttons, and a copyright notice 'Copyright © 1998-2013 ZTE Corporation. All rights reserved'.

	Name	Rename	Download	File Size	Updated Time
<input type="checkbox"/>	photo001.jpg	Rename		383.81KB	2013-08-02 11:29:36
<input checked="" type="checkbox"/>	photo002.jpg	Rename		263.22KB	2013-08-02 11:30:00
<input checked="" type="checkbox"/>	photo003.jpg	Rename		215.84KB	2013-08-02 11:30:12
<input type="checkbox"/>	pic0010.png	Rename		48.66KB	2013-08-09 15:23:52
<input type="checkbox"/>	samplephoto	Rename			2013-08-02 11:46:54

- By moving from this list page to a different page, added check marks become invalid.
- Add or remove a check mark in the title row to add or remove check marks for all of the boxes shown.

2

Delete

The screenshot shows the PocketWiFi web interface. At the top, it displays 'PocketWiFi SoftBank 203Z' and '4G DATA MAIN'. Below the status bar, there are 'Connect' and 'English' buttons. The main section is titled 'HTTP Share'. A 'Path:' input field is present, followed by a storage indicator '1.86GB/1.86GB'. A 'New' folder icon is visible. A table lists files with columns for Name, Rename, Download, File Size, and Updated Time. The table contains the following data:

	Name	Rename	Download	File Size	Updated Time
<input type="checkbox"/>	photo001.jpg	Rename		383.81KB	2013-08-02 11:29:36
<input checked="" type="checkbox"/>	photo002.jpg	Rename		263.22KB	2013-08-02 11:30:00
<input checked="" type="checkbox"/>	photo003.jpg	Rename		215.84KB	2013-08-02 11:30:12
<input type="checkbox"/>	pic0010.png	Rename		48.66KB	2013-08-09 15:23:52
<input type="checkbox"/>	samplephoto	Rename			2013-08-02 11:46:54

Below the table, there are navigation arrows and a '1' icon. A 'Delete' button is highlighted with a red box, along with 'Delete All' and 'Back to Login' buttons. At the bottom, there is a 'No file selected...' message, 'Browse' and 'Upload' buttons, and a help icon. The footer contains the copyright notice: 'Copyright © 1998-2013.ZTE Corporation. All rights reserved.'

Confirmation message appears.

· Click **Delete All** to delete all data in SD Card.

3

Yes

Deletion starts.

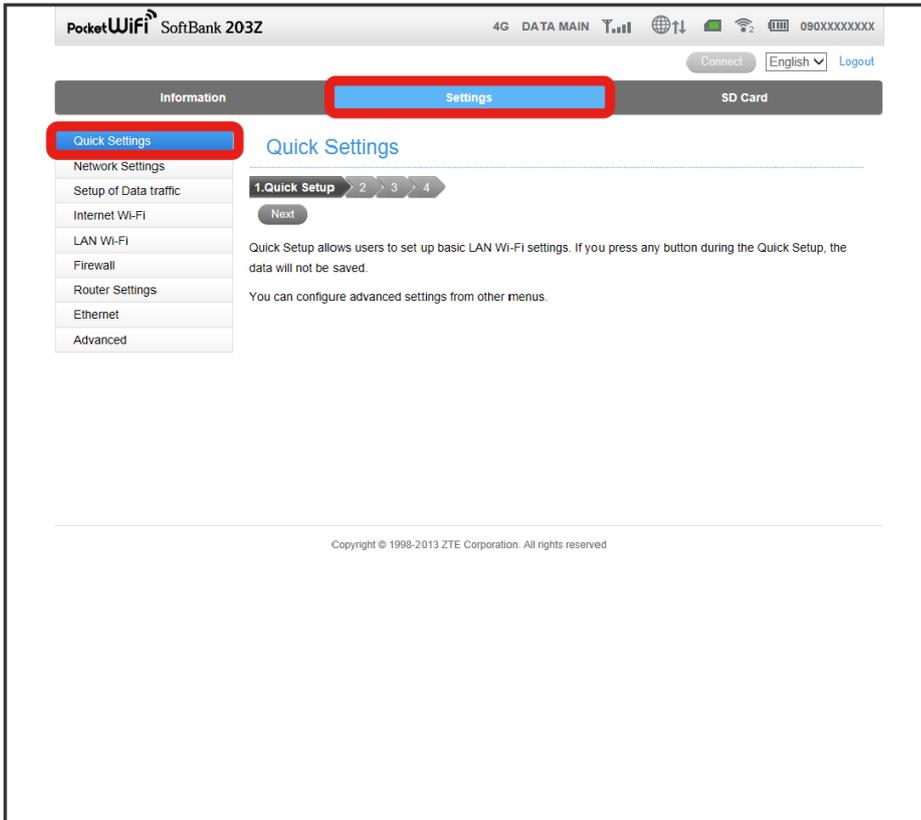
Quick Settings

In Quick Settings, set required main items via a wizard to use Wi-Fi router. Settings made in Quick Settings can be altered later. Use other menus to make detailed settings.

Quick Settings

1

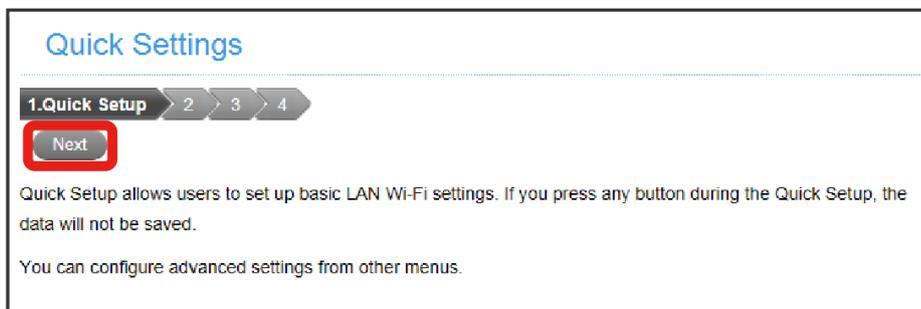
In Settings screen, **Quick Settings**



Quick Settings screen appears.

2

Confirm information **Next**



SSID Configuration screen appears.

3

Set SSID name and enable/disable SSID Stealth → [Next](#)

Quick Settings

1 > 2. SSID Configuration > 3 > 4

Previous **Next**

SSID Setting

Network Name(SSID) * 203Za-XXXXXXX

SSID Stealth Enable Disable

Security Setting screen appears.

- Currently selected Network Name (SSID) is shown in Network Name (SSID) field.

4

Select Authentication Method and Encryption Method, and set Security Key → [Next](#)

Quick Settings

1 > 2 > 3. Security Configuration > 4

Previous **Next**

Authentication Method

Authentication Method WPA-PSK/WPA2-PSK

WPA ENCRYPTION TKIP AES AUTO

Security Key * ●●●●●● Display Security Key

Setting Confirmation screen appears.

5

Confirm the settings → [Apply](#)

Quick Settings

1 > 2 > 3 > 4. Confirm Configuration

Previous **Apply**

Network Name(SSID) 203Za-XXXXXXX

SSID Stealth Disable

Authentication Method WPA-PSK/WPA2-PSK

The settings are applied and Display returns to Quick Setting screen.

- Return to corresponding screens using [Previous](#) to change the settings.

! Precaution for Changing the Settings

Using WEB UI to change LAN Wi-Fi Settings while Wi-Fi router is wirelessly connected to the device may close the WLAN connection. Reconnect Wi-Fi router to re-establish WLAN connection.

Setting 4G/LTE/3G

Configure 4G/LTE/3G network connection.

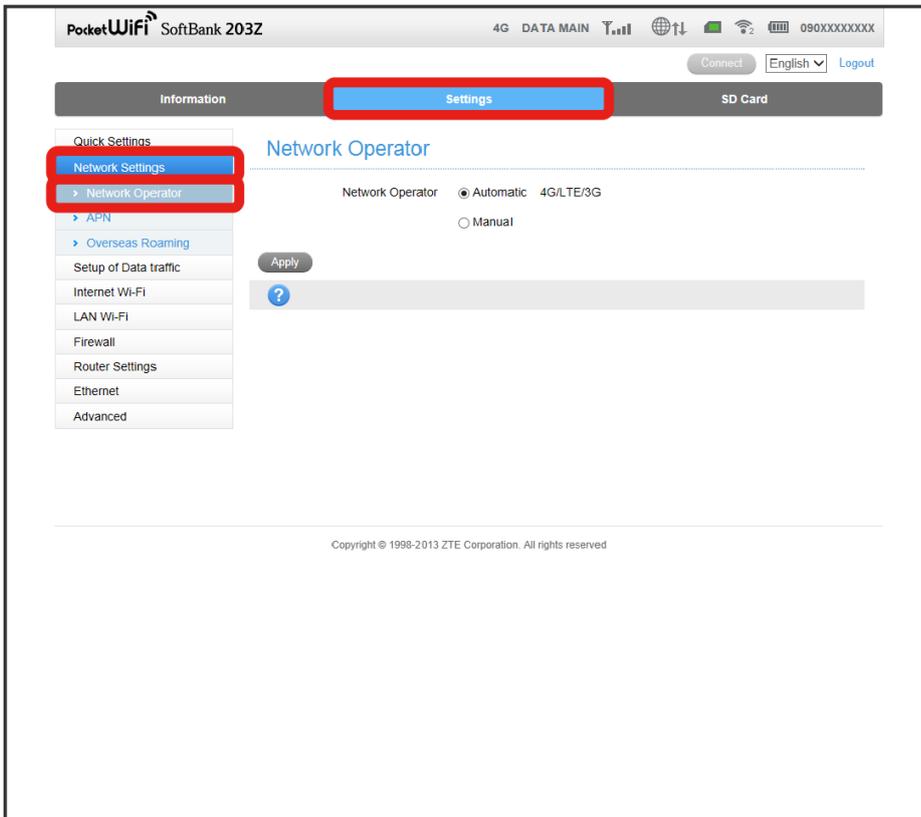
Network Settings

Items to be set in Network Settings are as follows.

Setting item	Description
Network Operator	Set how to select (automatic/manual) the network operator

1

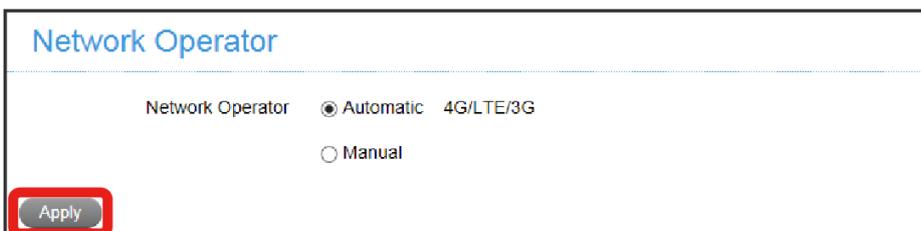
In Settings screen, **Network Settings** → **Network Operator**



Network Operator Select screen appears.

2

Select Network Operator → **Apply**



Setting is applied.

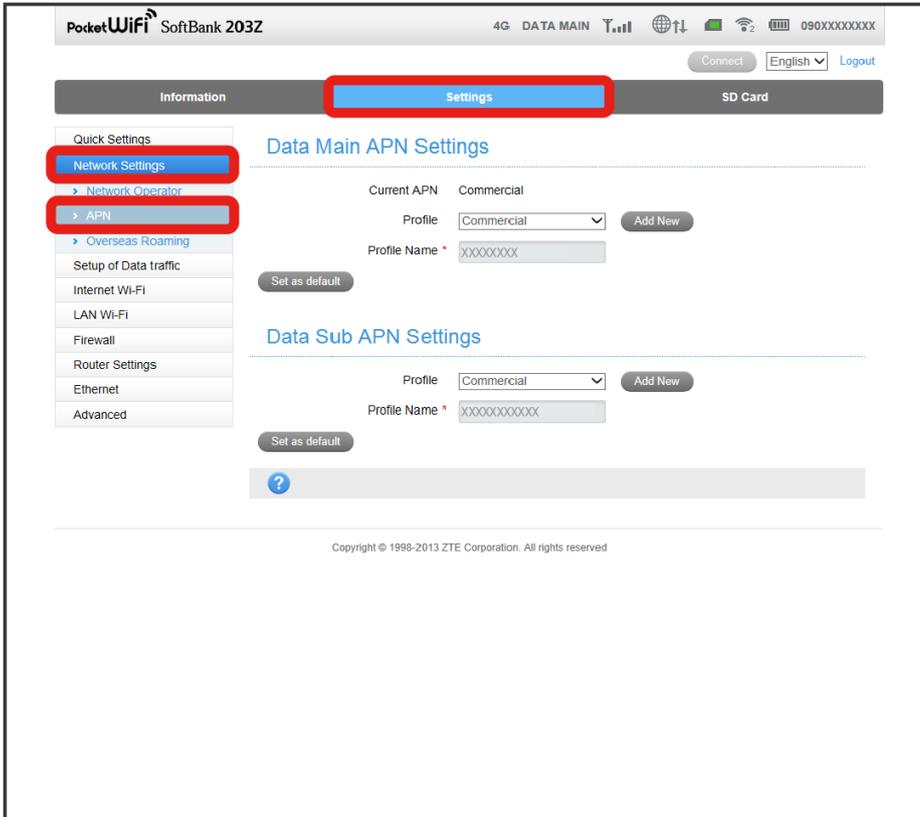
When "Manual" is selected, **Apply** changes to **Search**. **Search** → Select available network operator → **Apply** to set a network operator. However, if searching while "Manual" is selected in Japan, Network Operator will not be displayed and it cannot be set up.

APN

Set Access Point Name (APN) as an initial profile. Also, create, edit, and delete profiles (connection settings).

1

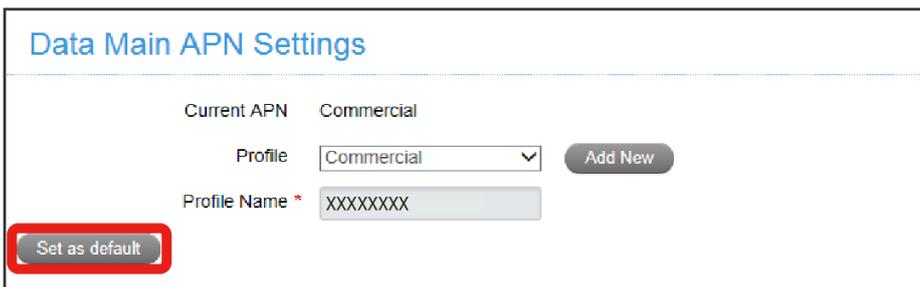
In Settings screen, **Network Settings** → **APN**



APN screen appears.

2

Select a profile → **Set as default**



Selected profile is set to initial profile.

• Set APN of DATA SUB with the same steps.

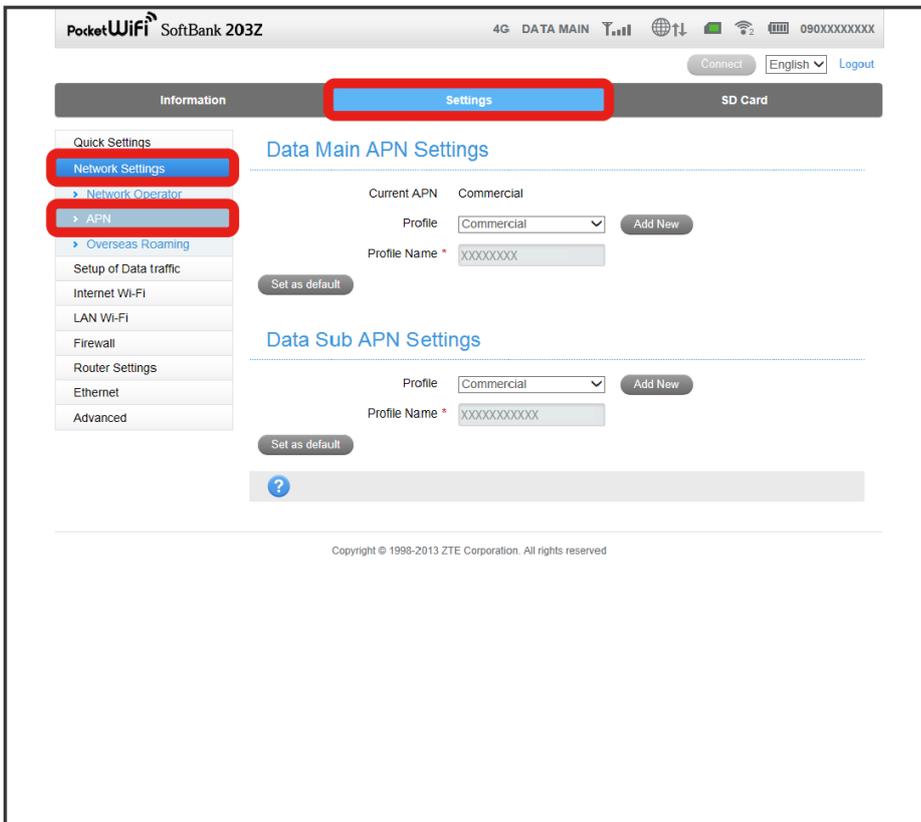
Saving New Profiles

Items to be set are as follows.

Setting item	Description
Profile	Already saved profiles appear in pull-down list
Profile Name	Enter profile names
APN	Enter APN
Authentication	Select authentication method
User Name	Enter user name
Password	Enter password

1

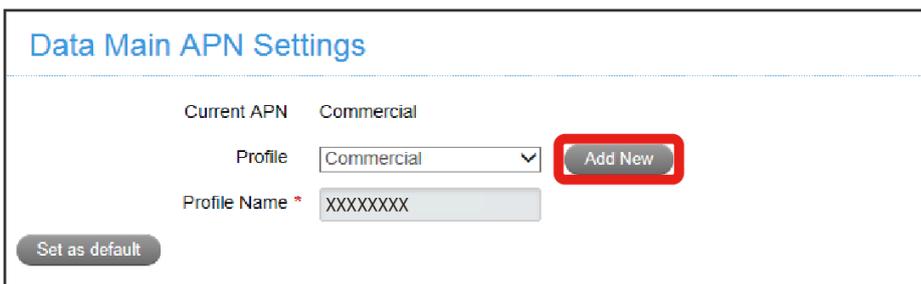
In Settings screen, Network Settings → APN



APN screen appears.

2

Add New



APN Setting screen appears.

3

Set each item →

Data Main APN Settings

Current APN	Commercial
Profile	<input type="text" value="Commercial"/> <input type="button" value="Cancel"/>
Profile Name *	<input type="text" value="XXXXXXXX"/>
APN *	<input type="text" value="XXXXXX"/>
Authentication	<input type="text" value="XXXX"/>
User Name	<input type="text" value="XXX"/>
Password	<input type="password" value="••••"/>

 Confirmation screen appears.

· To cancel the settings, click .

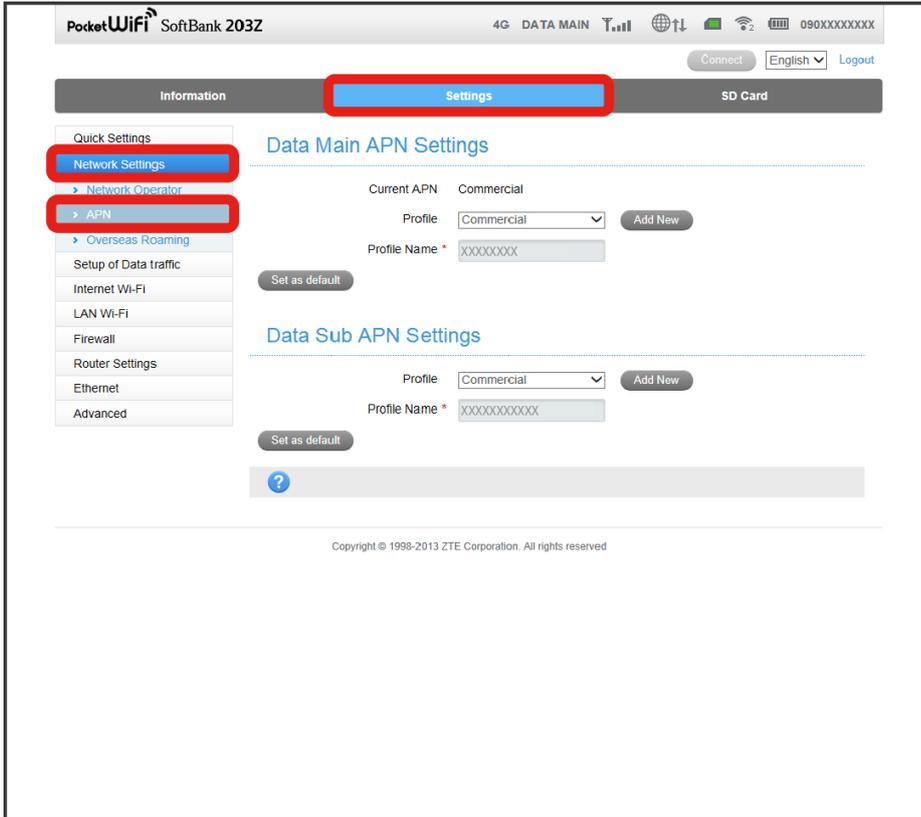
Editing Saved Profiles

Edit already saved profiles.

- The initial profile set by default and the profile currently used cannot be edited.

1

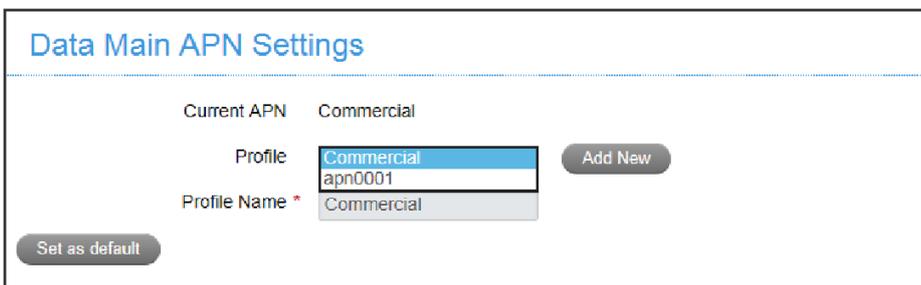
In Settings screen, **Network Settings** → **APN**



APN screen appears.

2

Select the profile to be edited



3

Edit each item  [Apply](#)

Data Main APN Settings

Current APN Commercial

Profile  [Add New](#)

Profile Name *

APN *

Authentication 

User Name

Password

[Set as default](#) [Apply](#) [Delete](#)

 Edited APN is applied.

· To save as initial profile, click [Set as default](#) .

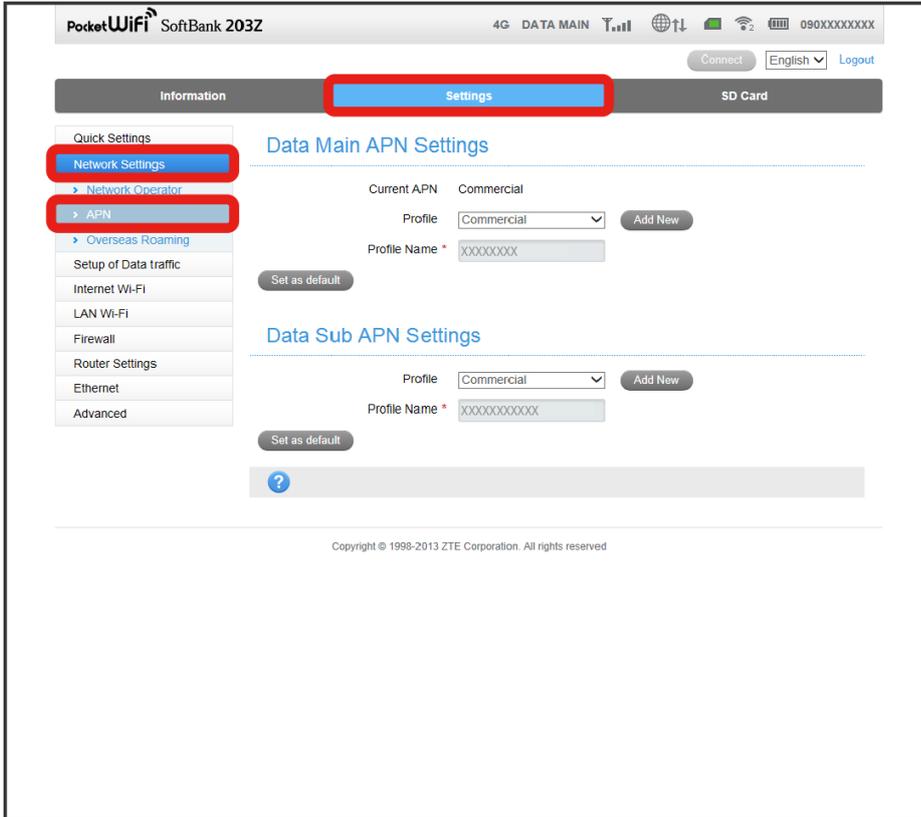
Deleting Saved Profiles

Delete already saved profiles.

- The initial profile set by default and the profile currently used cannot be deleted.

1

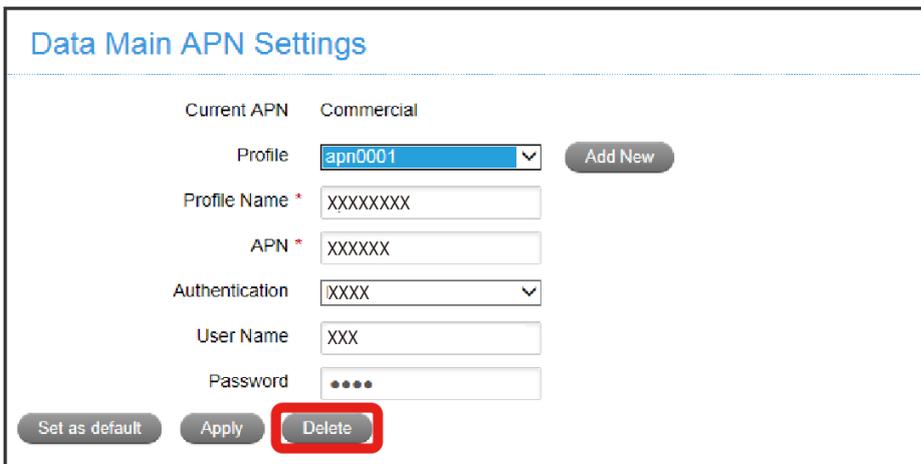
In Settings screen, **Network Settings** → **APN**



APN screen appears.

2

Select the profile to be deleted → **Delete**



Confirmation screen appears.

3

OK

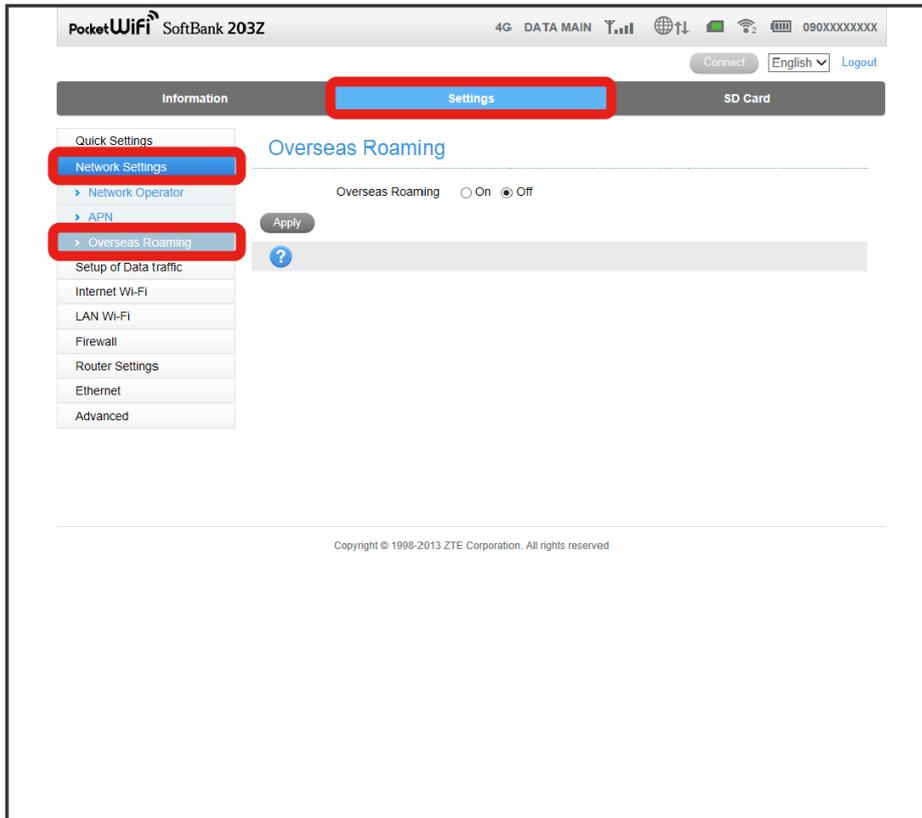
The selected profile is deleted.

Overseas Roaming

Overseas, roaming service for 3G network is available.

1

In Settings screen, **Network Settings** → **Overseas Roaming**



Overseas Roaming screen appears.

2

Select On/Off → **Apply**



The selected mode is applied.

! Cautions for Use Overseas

After moving from overseas to Japan, power off and restart.

Setup of Data Traffic

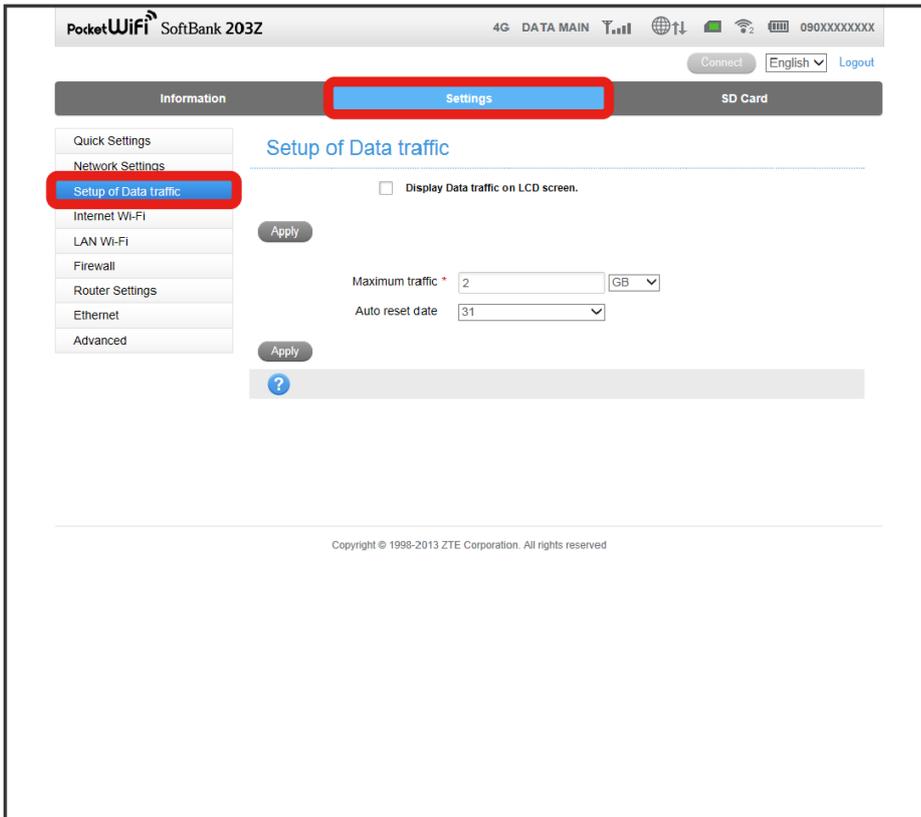
Set whether or not to show data traffic on Display of Wi-Fi router. Also, set maximum data and date to reset the traffic volume.

Showing Data Traffic on Display of Wi-Fi router

Show data traffic on Display of Wi-Fi router.

1

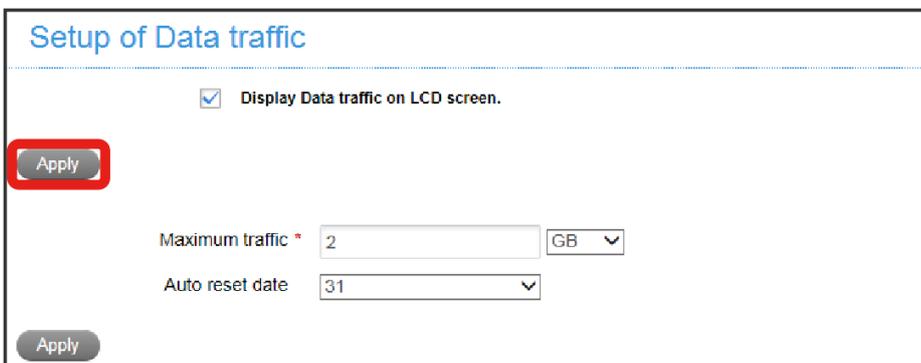
In Settings screen, **Setup of Data Traffic**



Setup of Data Traffic screen appears.

2

Add check mark to "Display Data traffic on LCD screen" → **Apply**



Setting is applied.

On Display of Wi-Fi router, total volume of data used, maximum traffic, and bar graph which shows the percentage of usage for maximum traffic are shown.

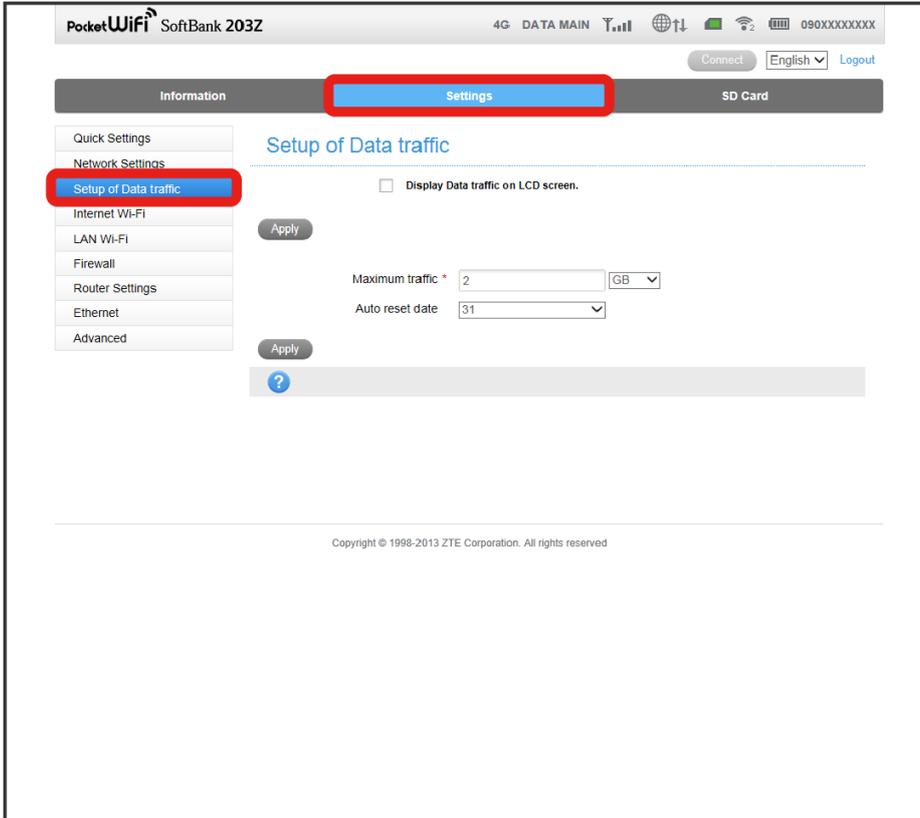
Setting Maximum Traffic and Reset Date

Configure maximum traffic and auto reset date of the traffic accumulated.

Maximum traffic does not mean the amount of available data traffic. Use this value as a measure of usage.

1

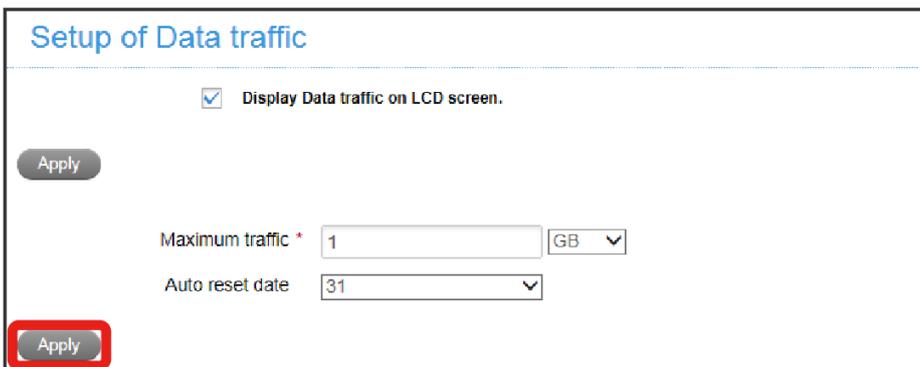
In Settings screen, **Setup of Data traffic**



Setup of Data Traffic screen appears.

2

Set each item → **Apply**



Settings are applied.

- Setting auto reset date to 31 resets the data on the last day of the month even when the last day is not the 31st.

Internet Wi-Fi

Use Wi-Fi router to connect to Wi-Fi routers at home and work, and to SoftBank Wi-Fi spots to connect to the Internet. This Internet connection is described here as "Internet Wi-Fi."

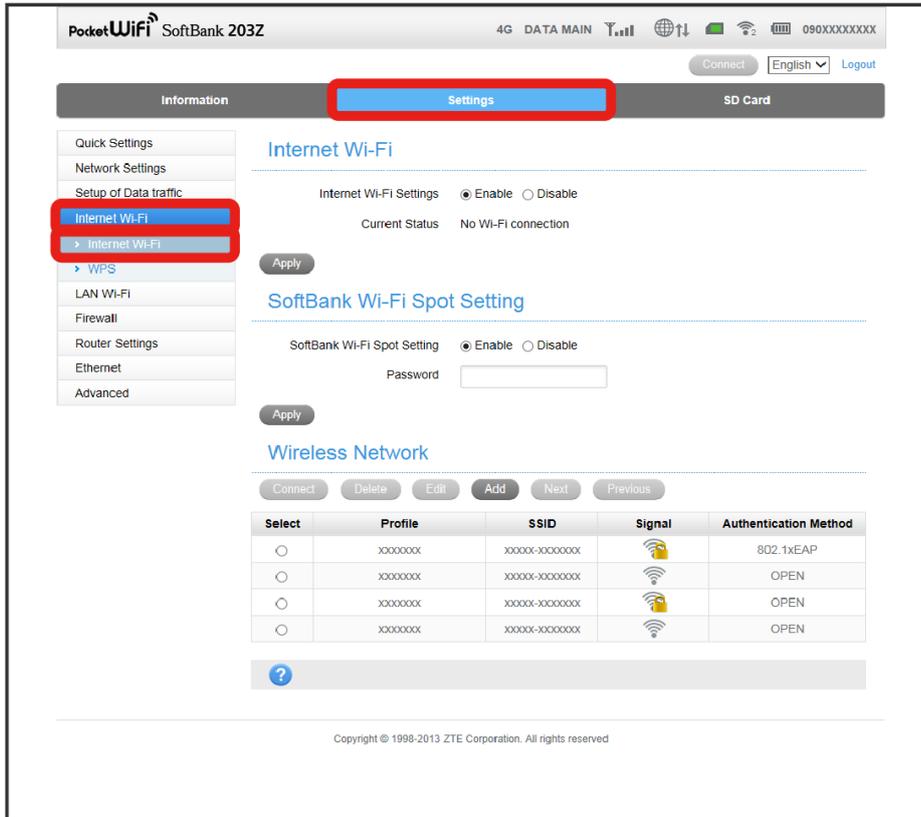
Basic Settings for Internet Wi-Fi

Configure basic settings for Internet Wi-Fi connection.

Disable Multi SSID in advance to configure Internet Wi-Fi. See "LAN Wi-Fi" for details.

1

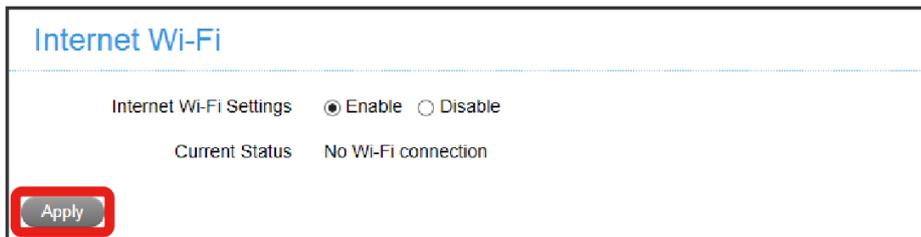
In Settings screen, **Internet Wi-Fi** → **Internet Wi-Fi**



Internet Wi-Fi Setting screen appears.

2

Select **Enable** / **Disable** for Internet Wi-Fi Settings → **Apply**



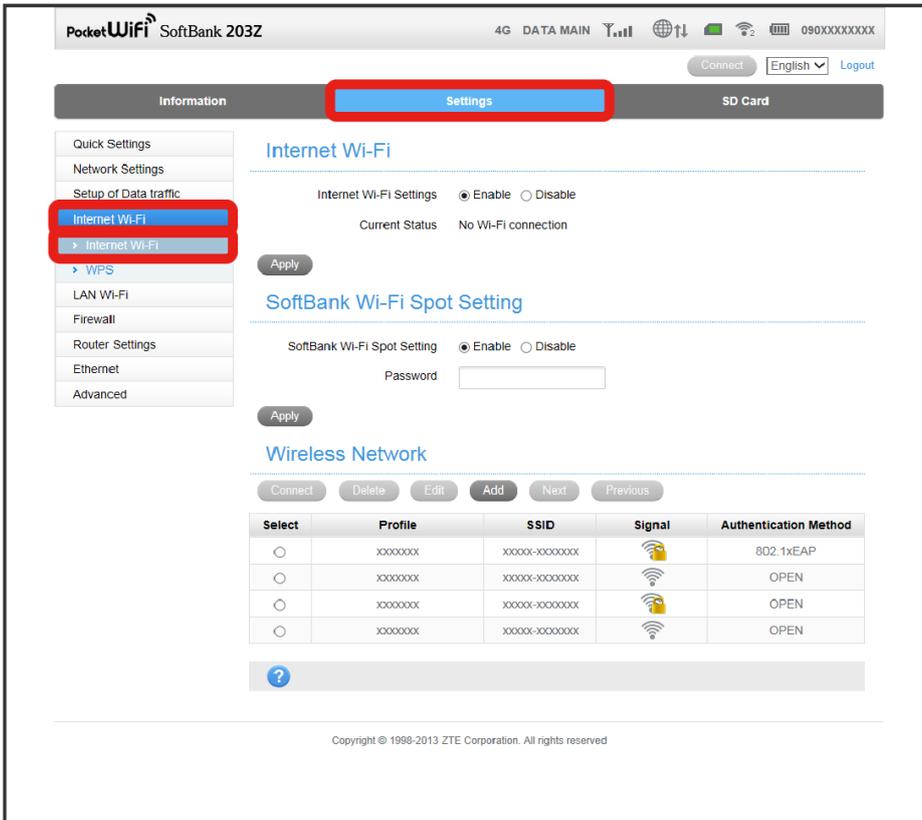
Setting is applied.

- Multi SSID is unavailable while Internet Wi-Fi is active.
- SoftBank Wi-Fi Spot cannot be accessed if Internet Wi-Fi connection is disabled.
- If Internet Wi-Fi is enabled, maximum communication speed may decrease depending on the number of WLAN devices connected to Wi-Fi router.

SoftBank Wi-Fi Spot Setting

1

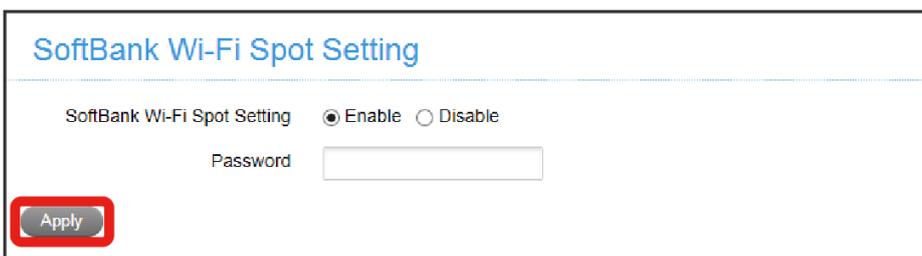
In Settings screen, **Internet Wi-Fi** → **Internet Wi-Fi**



Internet Wi-Fi Settings screen appears.

2

Set each item for SoftBank Wi-Fi Spot Setting → **Apply**



Settings are applied.

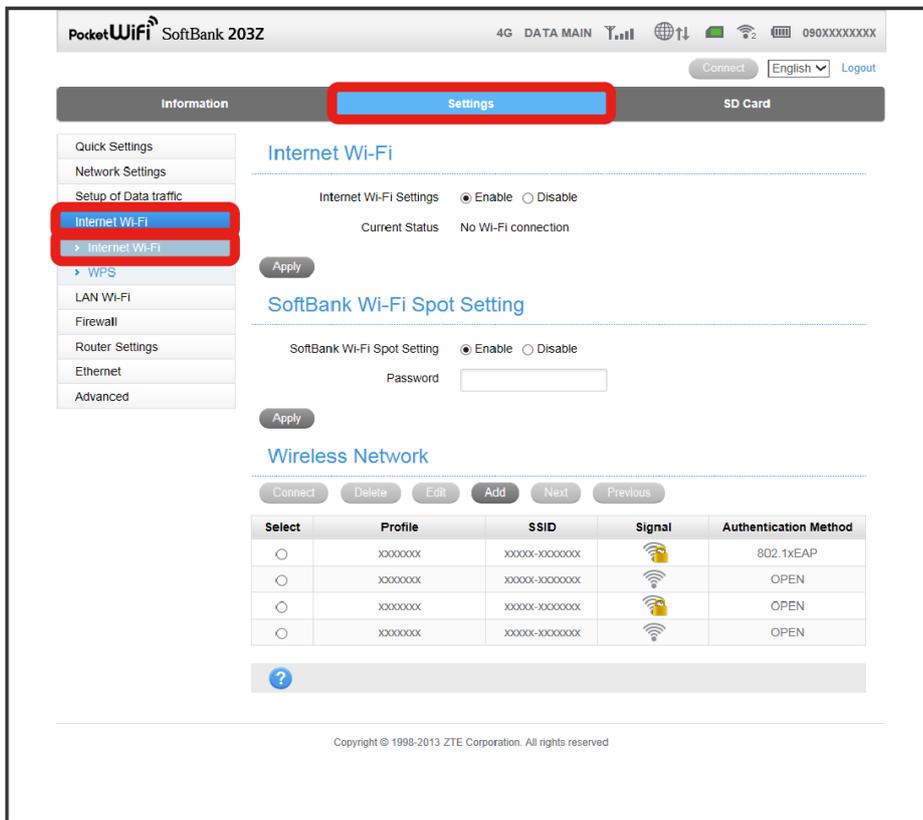
- Select **Enable** then enter password. Password is the four-digit password set in your contract.

Connecting to Profile

To connect profiles, **Internet Wi-Fi Settings** needs to be **Enable** .
Configure up to 30 profiles.

1

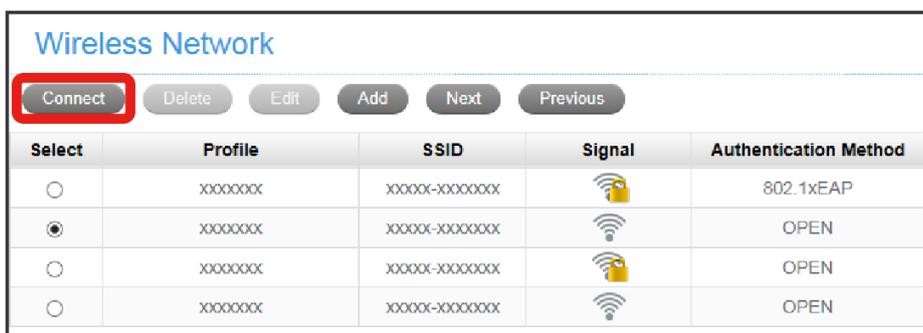
In Settings screen, **Internet Wi-Fi** → **Internet Wi-Fi**



Internet Wi-Fi Settings screen appears.

2

Select desired profile to connect with via Wi-Fi → **Connect**



Confirmation screen appears.

3

Yes

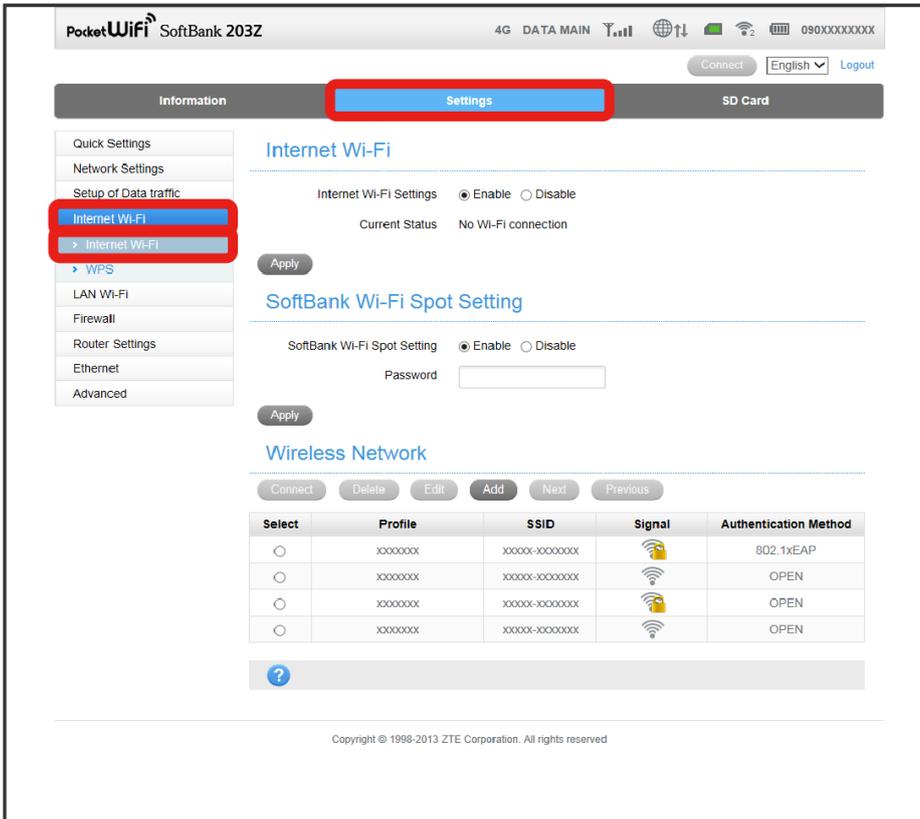
Wi-Fi router connects to Internet with the selected profile.

Adding Profiles

To show the profile list, **Internet Wi-Fi Settings** needs to be **Enable** .
Add up to 26 profiles.

1

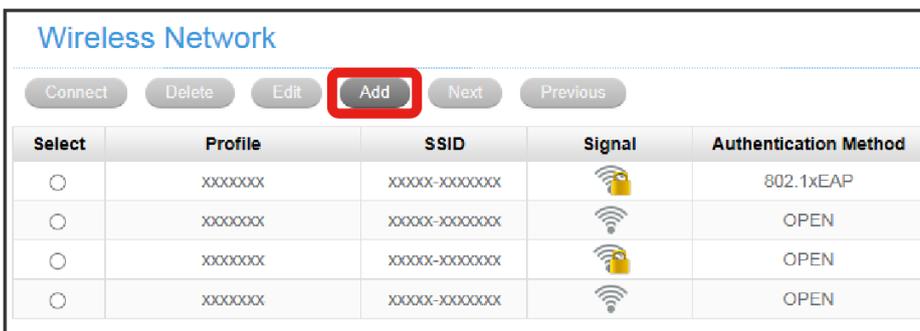
In Settings screen, **Internet Wi-Fi** → **Internet Wi-Fi**



Internet Wi-Fi Settings screen appears.

2

Add in Wireless Network



Scan is performed and Add Wi-Fi Hotspot screen appears.

3

Configure each item or select a profile from the list  

Add Wi-Fi Hotspot

Profile *

Network Name(SSID) *

Authentication Method

Encryption Scheme

	SSID	Signal	Authentication Method
<input type="radio"/>	XXXXXXXXXXXXXX		WPAPSKWPA2PSK
<input type="radio"/>	XXXXXXXXXXXXXX		WPAPSKWPA2PSK
<input type="radio"/>	XXXXXXXXXXXXXX		WPAPSKWPA2PSK
<input type="radio"/>	XXXXXXXXXXXXXX		OPEN
<input type="radio"/>	XXXXXXXXXXXXXX		OPEN
<input checked="" type="radio"/>	XXXXXXXXXXXXXXXXXXXX XXXXXX		OPEN

 Selected profile is added to the Wireless Network list.

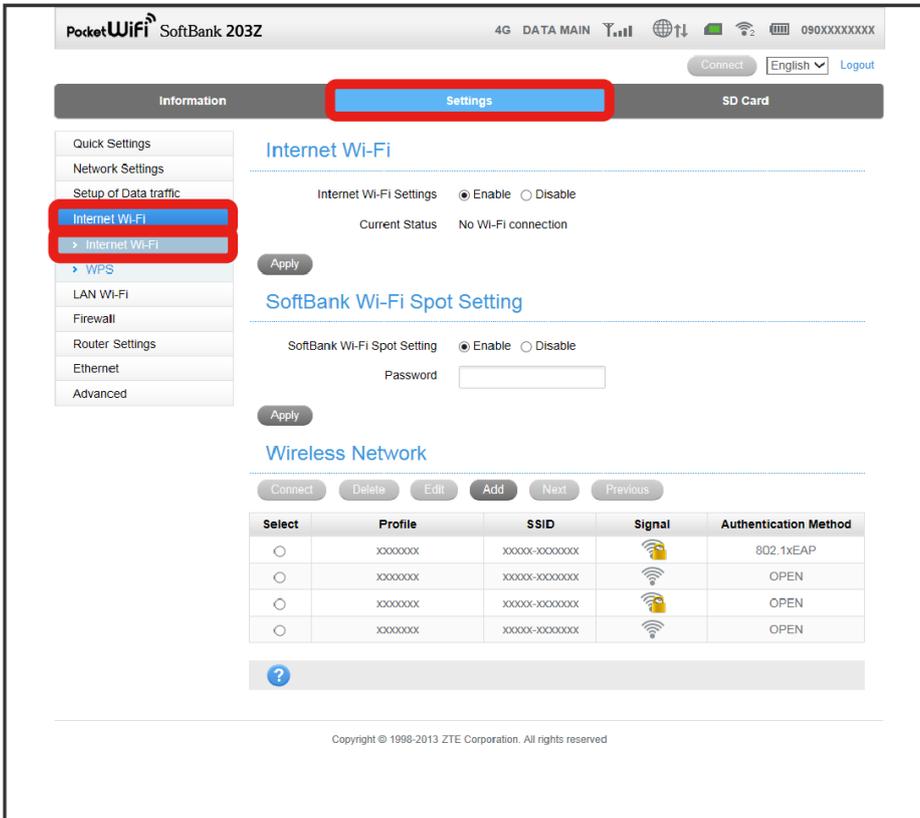
· If SSID to be added is not shown, click  to refresh the profile list.

Editing Profiles

To show the profile list, **Internet Wi-Fi Settings** needs to be **Enable**.

1

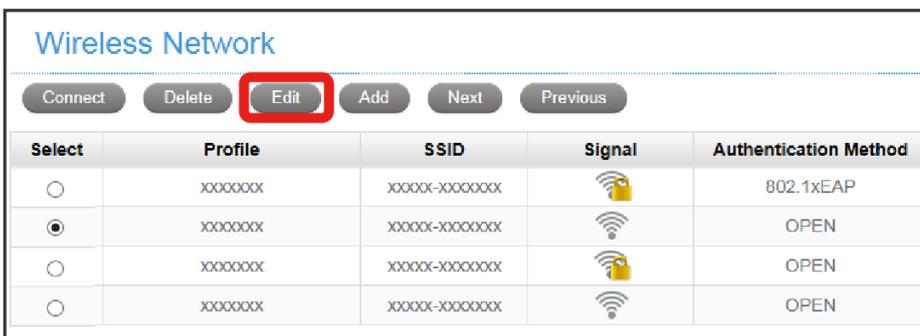
In Settings screen, **Internet Wi-Fi** → **Internet Wi-Fi**



Internet Wi-Fi Settings screen appears.

2

Select the profile to be edited → **Edit**



Wi-Fi Spot Editing screen appears.

3

Edit as necessary [→](#) [Apply](#)

Edit Wi-Fi Hotspot

Profile *

Network Name(SSID) *

Authentication Method ▼

Encryption Scheme ▼

[Apply](#) [Back](#)

Station IP

Station IP Enable Disable

[Apply](#)

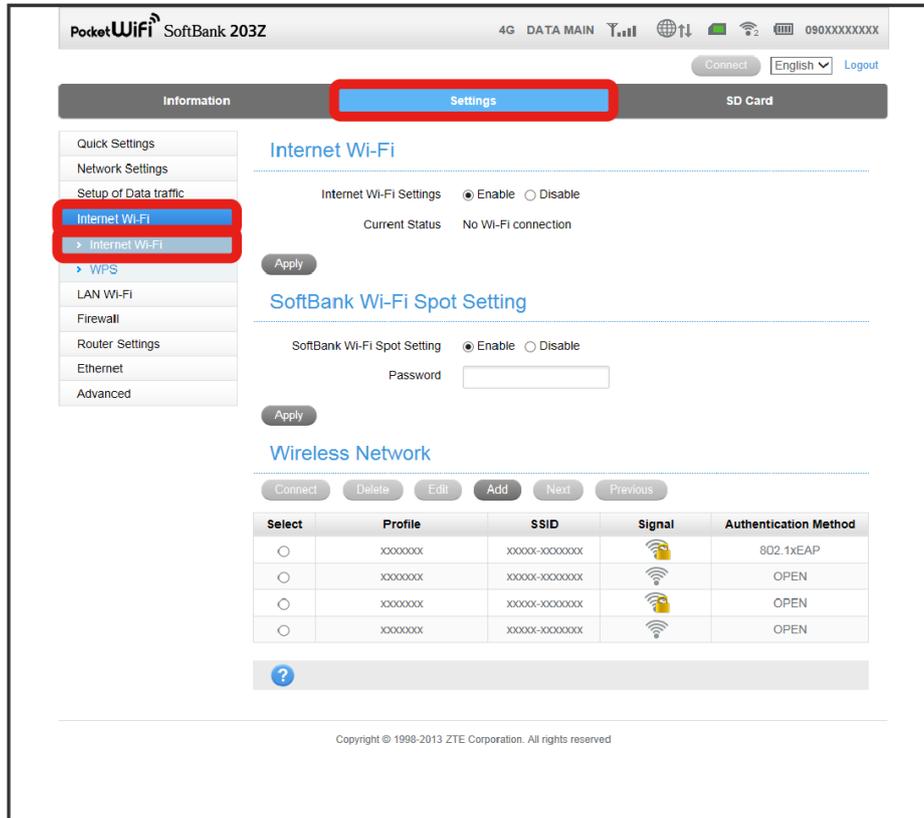
 Changes are applied.

Deleting Profiles

To show the profile list, **Internet Wi-Fi Settings** needs to be **Enable**.

1

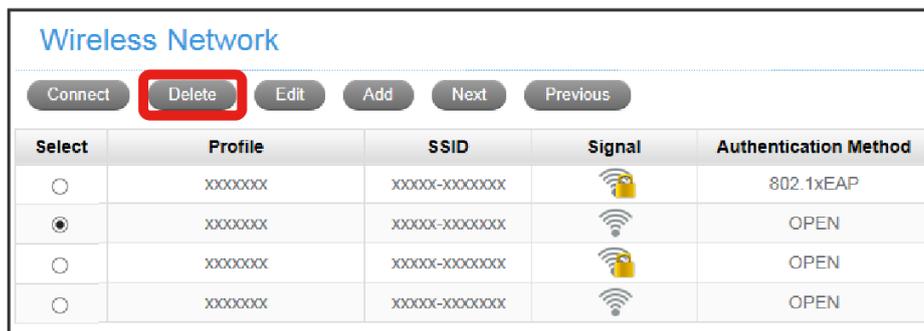
In Settings screen, **Internet Wi-Fi** → **Internet Wi-Fi**



Internet Wi-Fi Settings screen appears.

2

Select the profile to be deleted → **Delete**



Confirmation screen appears.

3

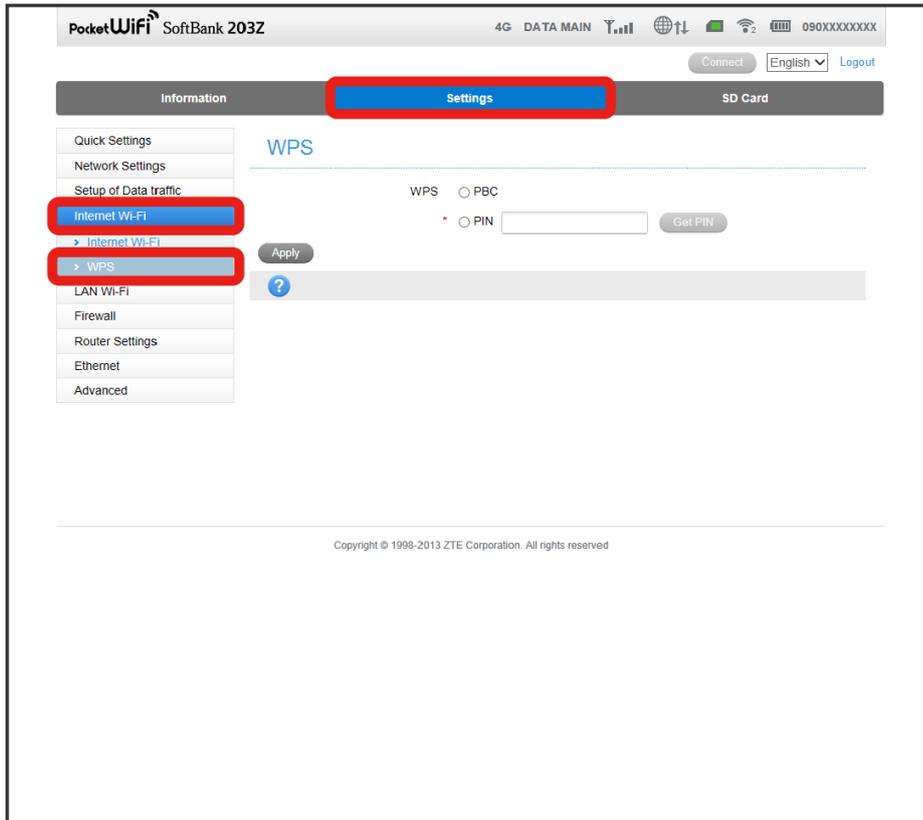
Yes

The selected profile is deleted.

Setting WPS Connection Method (WPS)

1

In Settings screen, **Internet Wi-Fi** → **WPS**



WPS screen appears.

2

Select WPS connection method → **Apply**



The settings become effective.

· If "PIN" is selected, click **Get PIN** to get PIN code.

! Precaution for Changing Internet Wi-Fi Settings

Using WEB UI to change Internet Wi-Fi Settings while Wi-Fi router is wirelessly connected to the device may close the WLAN connection. Reconnect Wi-Fi router to re-establish WLAN connection.

LAN Wi-Fi

Wi-Fi router can establish WLAN connections for PCs, smartphones, and game devices. This WLAN connection is referred to as "LAN Wi-Fi."

Connected devices access the Internet via Internet Wi-Fi on Wi-Fi router.

Basic Settings for WLAN

Set Multi SSID and SSID for Wi-Fi router.

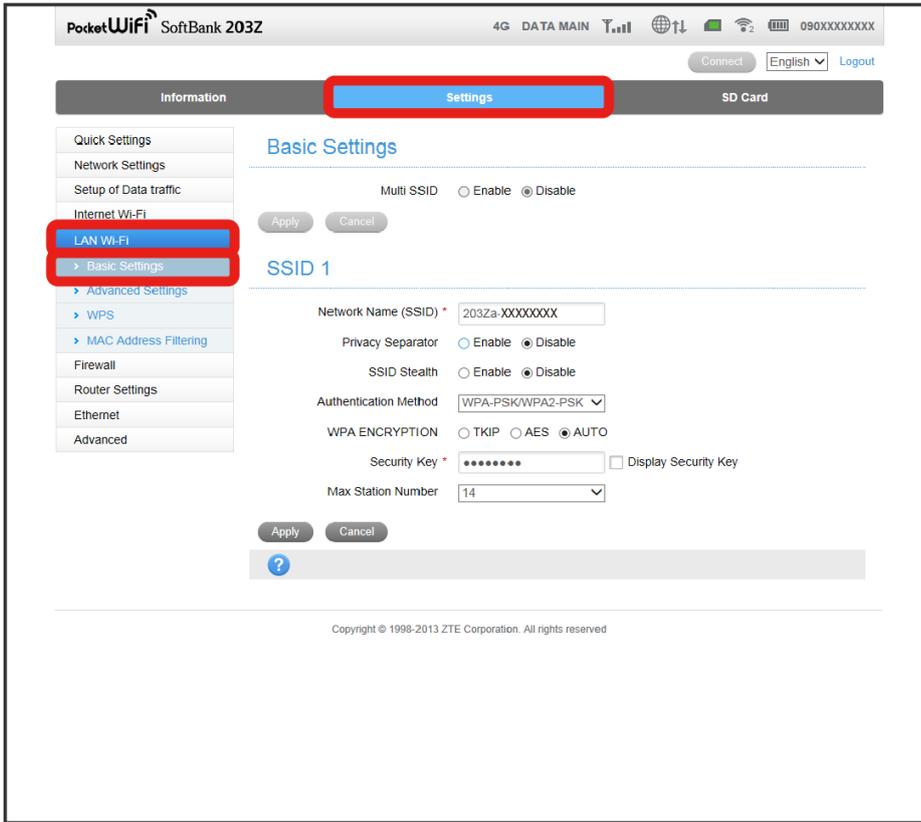
Disable Internet Wi-Fi in advance to configure Multi SSID. See "[Internet Wi-Fi](#)" for details.

Items to be set are as follows.

Setting item	Description
Multi SSID	Set Multi SSID Enable/Disable
Network Name (SSID)	Set network name (SSID)
Privacy Separator	Set Enable/Disable this item. If enabled, it will forbid all devices that are connected to the same SSID from communicating with one another.
SSID Stealth	Set Enable/Disable for this item. If enabled, SSID will be invisible, and other WLAN devices will not be able to detect it.
Authentication Method	Select authentication method for network connection request.
WPA ENCRYPTION	Select WPA encryption method. This item is shown when WPA-PSK, WPA2-PSK or WPA-PSK/WPA2-PSK is selected in Authentication Method.
Encryption scheme	Select encryption scheme. This item is shown when OPEN is selected in Authentication Method.
Default Key	Select default WEP key. This item is shown when OPEN is selected in Authentication Method and WEP is selected in Encryption scheme, or when SHARED is selected in Authentication Method.
Security Key	Set security key.
Max Station Number	Set the maximum number of devices that can be connected to the same SSID.

1

In Settings screen, LAN Wi-Fi → Basic Settings



Basic Settings of LAN Wi-Fi screen appears.

2

Select Enable / Disable in Multi SSID → Apply



When selecting Enable, confirmation message appears. When selecting Disable, setting is applied.

When selecting Enable, Following items are shown; Multi SSID Isolation and whether or not to enable the clients with SSID B access to the WEB UI. Select Enable in Multi SSID Isolation to enable SSID A and SSID B to communicate with one another.

3

Yes

Configure each item in SSID 1 →

SSID 1

Network Name (SSID) *

Privacy Separator Enable Disable

SSID Stealth Enable Disable

Authentication Method

WPA ENCRYPTION TKIP AES AUTO

Security Key * Display Security Key

Max Station Number

 Settings are applied.

- If selecting in Multi SSID, setting items of SSID B appear.
- If selecting in Multi SSID, connecting to WPS supported devices in WPS mode is not possible.
- If Multi SSID is enabled, maximum communication speed may decrease depending on the number of WLAN devices connected to Wi-Fi router.

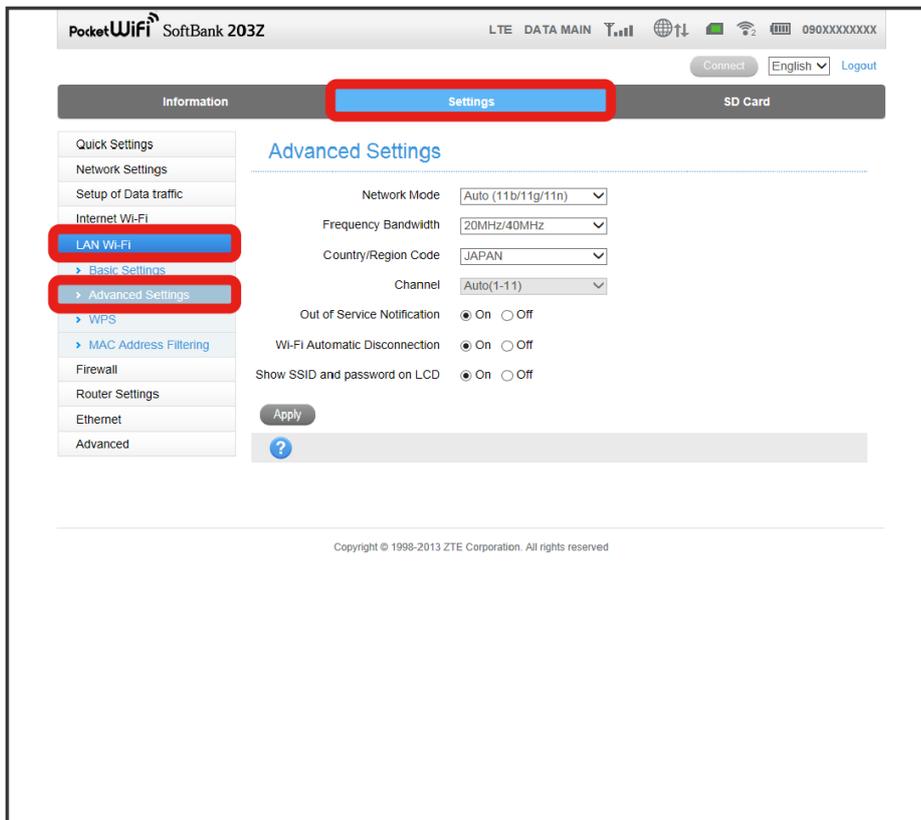
Advanced Settings

Items to be set are as follows.

Setting item	Description
Network Mode	Select WLAN network mode.
Frequency Bandwidth	Select frequency bandwidth of 20 MHz or 40 MHz.
Country/Region Code	Select country or region code from the list. Change this item to use Wi-Fi router in overseas.
Channel	Select channel from Auto (1-11) or Auto (1-13).
Out of Service Notification	Set ON/OFF for out of service notification. If setting is ON, browser will be dedicated to the home page of WEB UI when network is out of service.
Wi-Fi Automatic Disconnection	Set ON/OFF for Wi-Fi automatic disconnection. Wi-Fi will be disconnected when network is out of service.
Show SSID and password on LCD	Set whether SSID and password are shown on Display of Wi-Fi router or not.

1

In Settings screen, LAN Wi-Fi → Advanced Settings



Advanced Settings in LAN Wi-Fi screen appears.

2

Configure each item →

Advanced Settings

Network Mode	<input type="text" value="Auto (11b/11g/11n)"/>
Frequency Bandwidth	<input type="text" value="20MHz/40MHz"/>
Country/Region Code	<input type="text" value="JAPAN"/>
Channel	<input type="text" value="Auto(1-11)"/>
Out of Service Notification	<input checked="" type="radio"/> On <input type="radio"/> Off
Wi-Fi Automatic Disconnection	<input checked="" type="radio"/> On <input type="radio"/> Off
Show SSID and password on LCD	<input checked="" type="radio"/> On <input type="radio"/> Off

 Settings are applied.

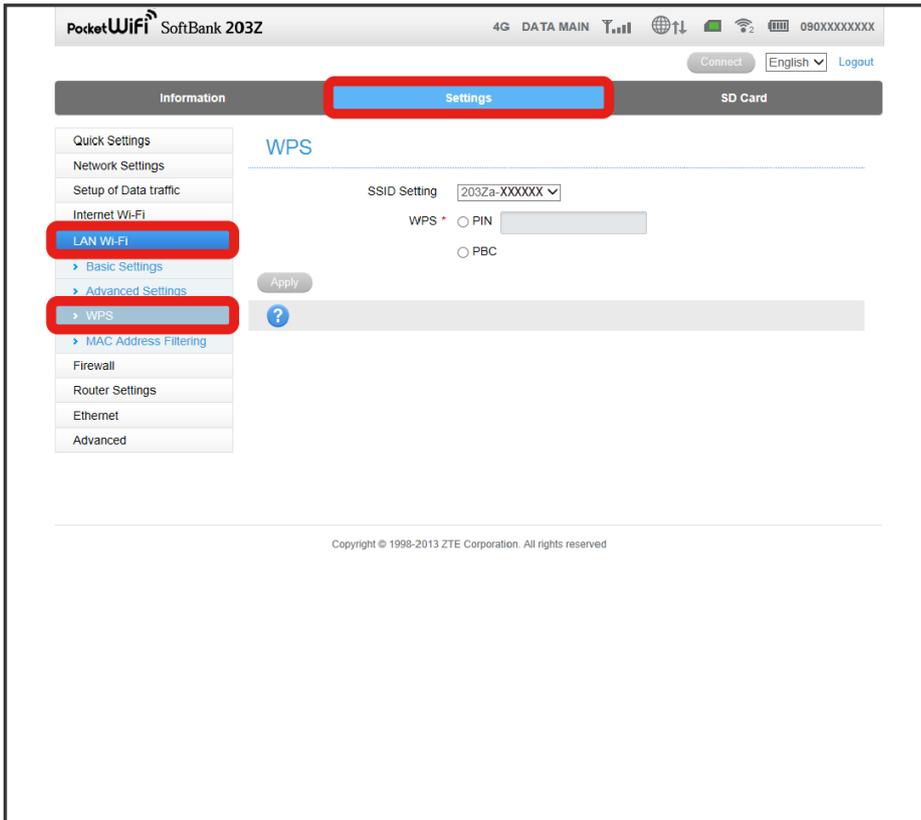
Configuring Settings for Connecting WPS Supported WLAN Devices

Configure WPS function to use.

To connect WPS supported WLAN devices, see "Connecting WPS Supported WLAN Devices."

1

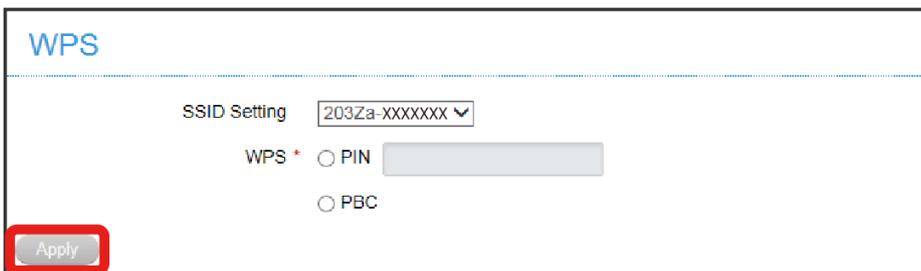
In Settings screen, **LAN Wi-Fi** → **WPS**



WPS Setting screen appears.

2

Configure each item → **Apply**



Settings are applied and WPS function is available.

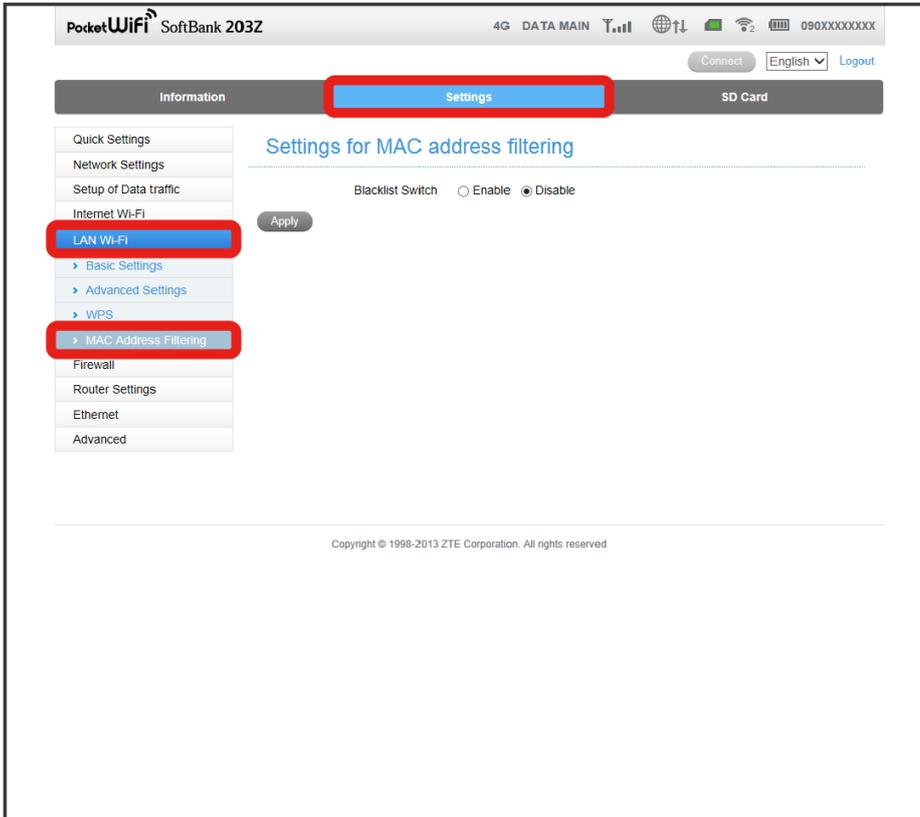
- If "PIN" is selected in WPS, enter eight-digit number generated by connecting device.

MAC Address Filtering

Save WLAN device MAC addresses to be restricted from connecting to Wi-Fi router. Save up to ten addresses.

1

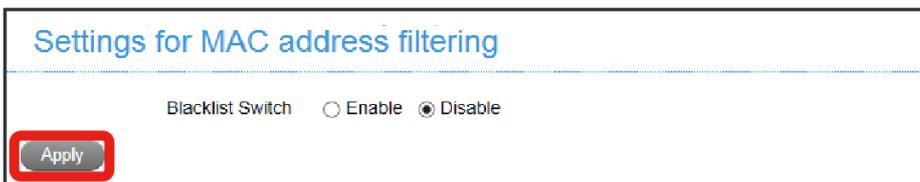
In Settings screen, **LAN Wi-Fi** → **MAC Address Filtering**



Setting for MAC address filtering screen appears.

2

Select **Enable** / **Disable** in Blacklist Switch → **Apply**



When setting **Disable**, setting is complete.

Go to step **3** to block devices currently connected. Skip to step **4** to add new MAC addresses.

3

Click **Block** for the MAC address in List of Connected Devices.

Settings for MAC address filtering

Blacklist Switch Enable Disable

Apply

List of Connected Devices

No.	MAC Address	
1	XXXXXXXXXXXXXXXX	Block
2	XXXXXXXXXXXXXXXX	Block

Black list

No.	MAC Address	

MAC Address *

Apply

 Blocked MAC address is deleted from List of Connected Devices and added to Black list.

4

Enter MAC address of WLAN device to block  **Apply**

Settings for MAC address filtering

Blacklist Switch Enable Disable

Apply

List of Connected Devices

No.	MAC Address	
1	XXXXXXXXXXXXXXXX	Block
2	XXXXXXXXXXXXXXXX	Block

Black list

No.	MAC Address	

MAC Address *

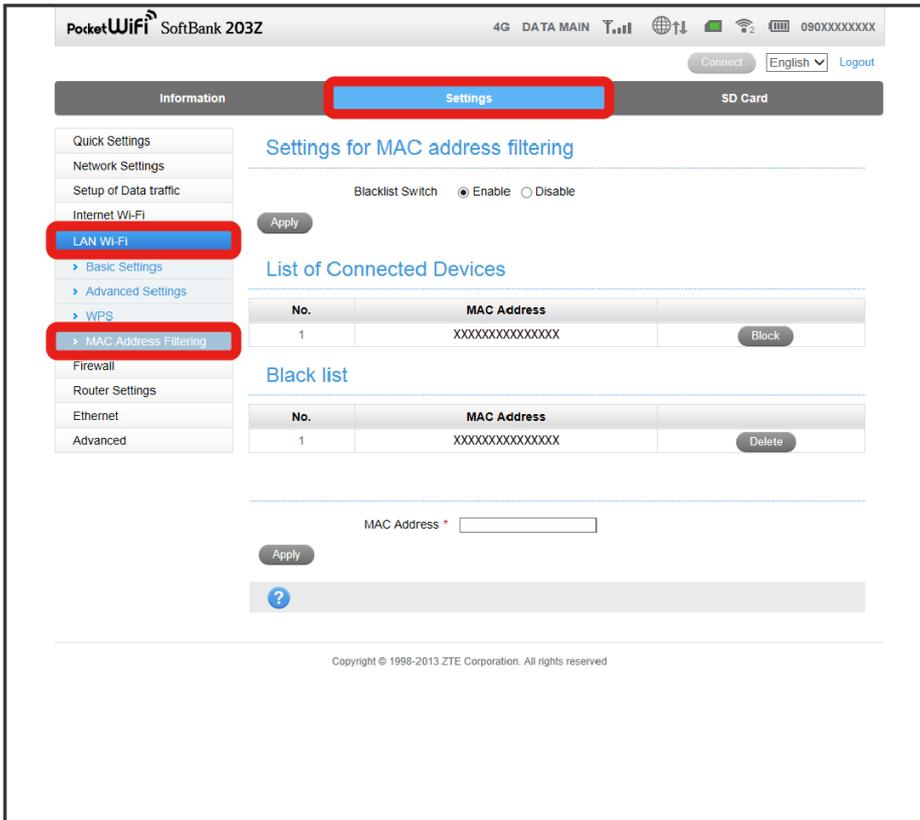
Apply

 Entered MAC address is added to Black list.

Deleting MAC Addresses Set for Packet Filtering

1

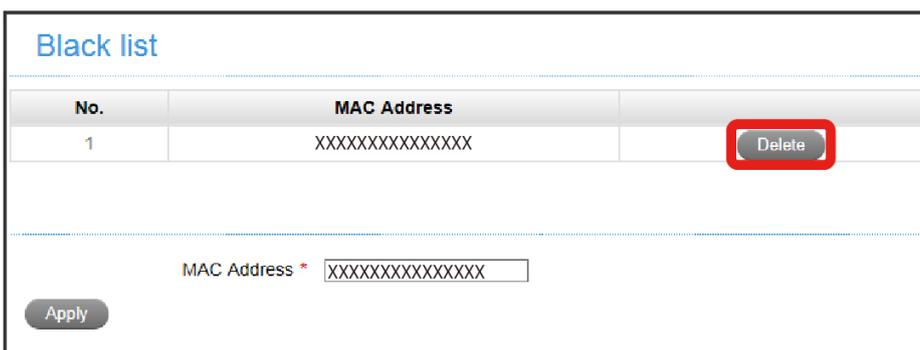
In Settings screen, **LAN Wi-Fi** → **MAC Address Filtering**



Setting for MAC address filtering screen appears.

2

In Black list, click **Delete** to the right of the MAC address to be deleted.



The MAC address is deleted from Black list, and is no longer subject to filtering.

! Precaution for Changing LAN Wi-Fi Settings

Using WEB UI to change LAN Wi-Fi Settings while Wi-Fi router is wirelessly connected to the device may close the WLAN connection. Reconnect Wi-Fi router to re-establish WLAN connection.

Firewall

Configure IP/Port Filtering, Port Mapping, etc.

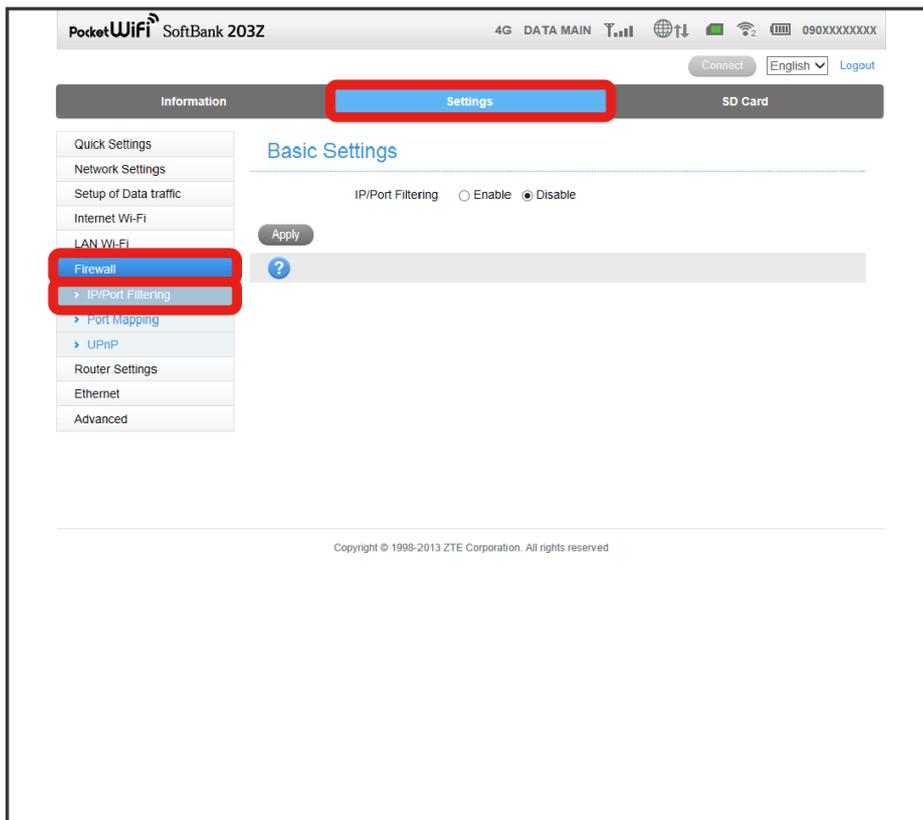
Setting IP/Port Filtering

Set/apply rules for connecting or not by specifying IP addresses and port numbers.
Items are as follows.

Setting Item	Description
IP/Port Filtering	Select a function mode for IP/Port Filtering
Default Policy	Set action for IP/Port Filtering
Source IP Address	Set source IP address to apply rules
Dest. IP Address	Set destination IP address to apply rules
Protocol	Select protocols to apply rules
Source Port Range	Set source port number or range to apply rules
Dest. Port Range	Set destination port number or range to apply rules
Comment	Enter comments regarding rules

1

In Settings screen, **Firewall** → **IP/Port Filtering**



 IP/Port Filtering screen appears.

2

Set Basic Settings →

Basic Settings

IP/Port Filtering Enable Disable

Default Policy Accepted Forbidden

🚩 If IP/Port Filtering is set to , the setting is complete.

· If IP/Port Filtering is set to , IP/Port Filtering Settings field appears.

3

Configure IP/Port Filtering Setting →

Basic Settings

IP/Port Filtering Enable Disable

Default Policy Accepted Forbidden

?

IP/Port Filtering Settings

Source IP Address

Dest. IP Address

Protocol

Source Port Range * - (1~65535)

Dest. Port Range * - (1~65535)

Comment *

?

IP/Port filtering rules that you have set up.

	Source IP Address	Dest. IP Address	Protocol	Source Port Range	Dest. Port Range
<input type="checkbox"/>					

🚩 Applied rules appear in IP/Port filtering rules that you have set up.

- Set up to ten rules.
- To delete specific rules, check the check box corresponding to the rules to delete and click .
- Select in IP/Port Filtering to disable all the rules.

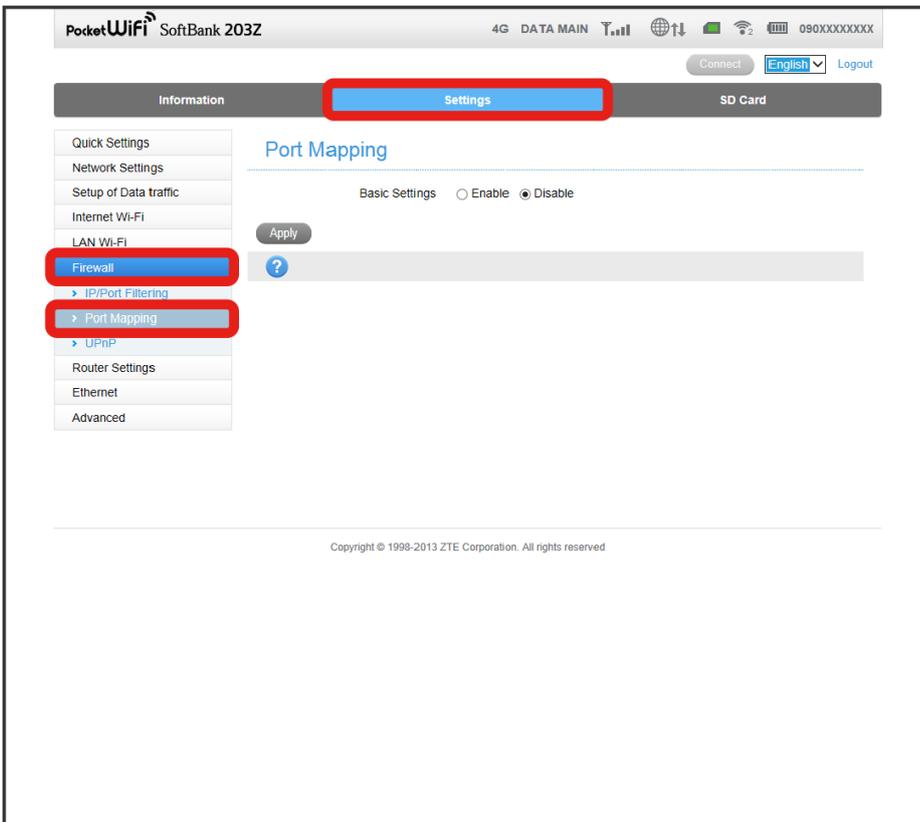
Setting Port Mapping

Set rules so that access from Internet to specific devices in the LAN can be controlled. Set up to ten rules. Items are as follows.

Setting Item	Description
Basic Settings	Select Port Forwarding action mode
Src. Port	Set port numbers to open
Dest. IP Address	Set IP address of device to open port
Dest. Port	Set destination port range
Protocol	Set protocol to use
Comment	Enter comments regarding rules

1

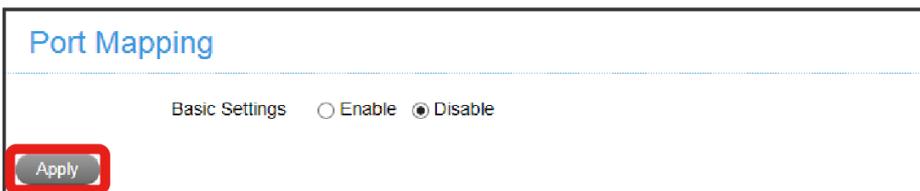
In Settings screen, **Firewall** → **Port Mapping**



Port Mapping screen appears.

2

Set the Basic Settings → **Apply**



If Basic Settings is set to **Disable**, the setting is complete.

If Basic Settings is set to **Enable**, "Port Mapping Settings" and "Current Port Mapping Rules in System" are shown.

Configure each item in Port Mapping Settings → **Apply**

Port Mapping

Basic Settings Enable Disable

Apply

?

Port Mapping Settings

Src. Port * (1~65000)

Dest. IP Address * (e.g., 192.168.0.101)

Dest. Port * (1~65000)

Protocol

Comment *

Apply

?

Current Port Mapping Rules in System

<input type="checkbox"/>	Src. Port	Dest. IP Address	Dest. Port	Protocol	Comment
Delete					

🚩 Applied Port Mapping rules appear on Current Port Mapping Rules in System list.

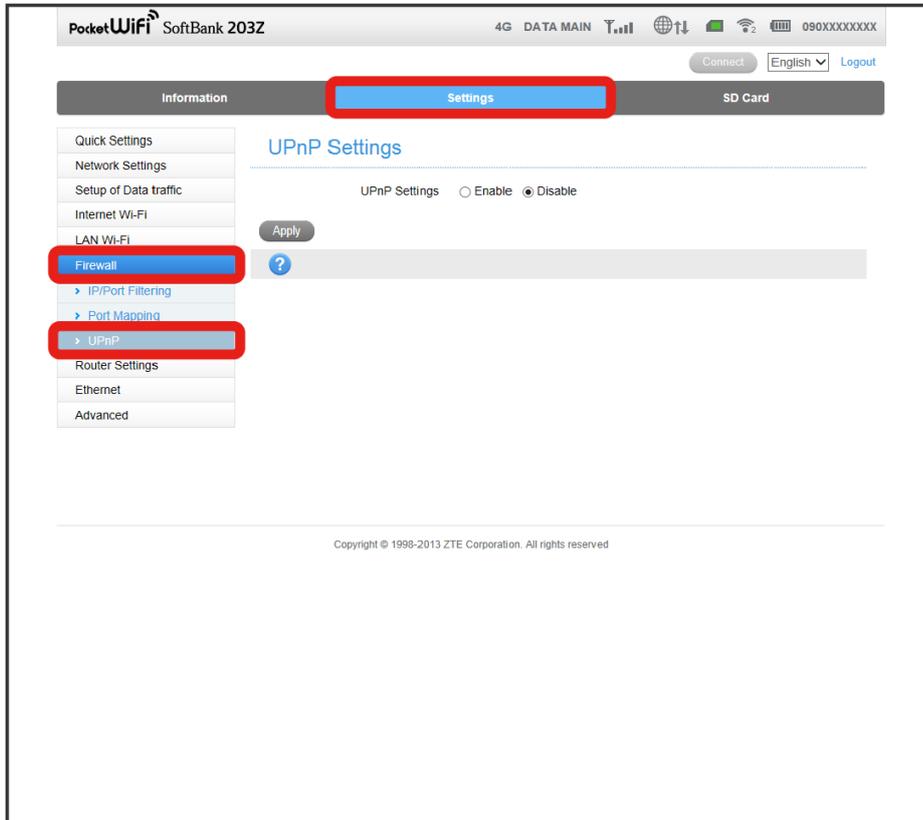
- To delete specific rules, check the checkbox corresponding to the rules to delete and click **Delete**.
- Select **Disable** in Basic Settings to disable all the rules.

Setting UPnP

Select **Enable** / **Disable** UPnP (Universal Plug and Play) function.

1

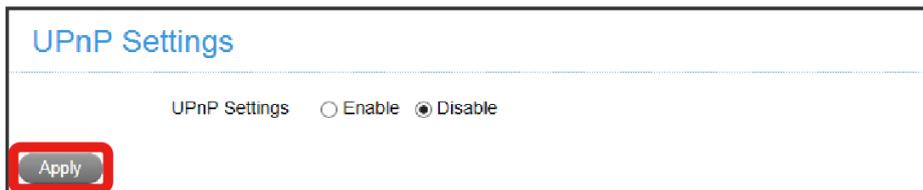
In Settings screen, **Firewall** → **UPnP**



UPnP screen appears.

2

Select **Enable** / **Disable** in UPnP Settings → **Apply**



Setting is applied.

Settings for Router

Configure router settings.

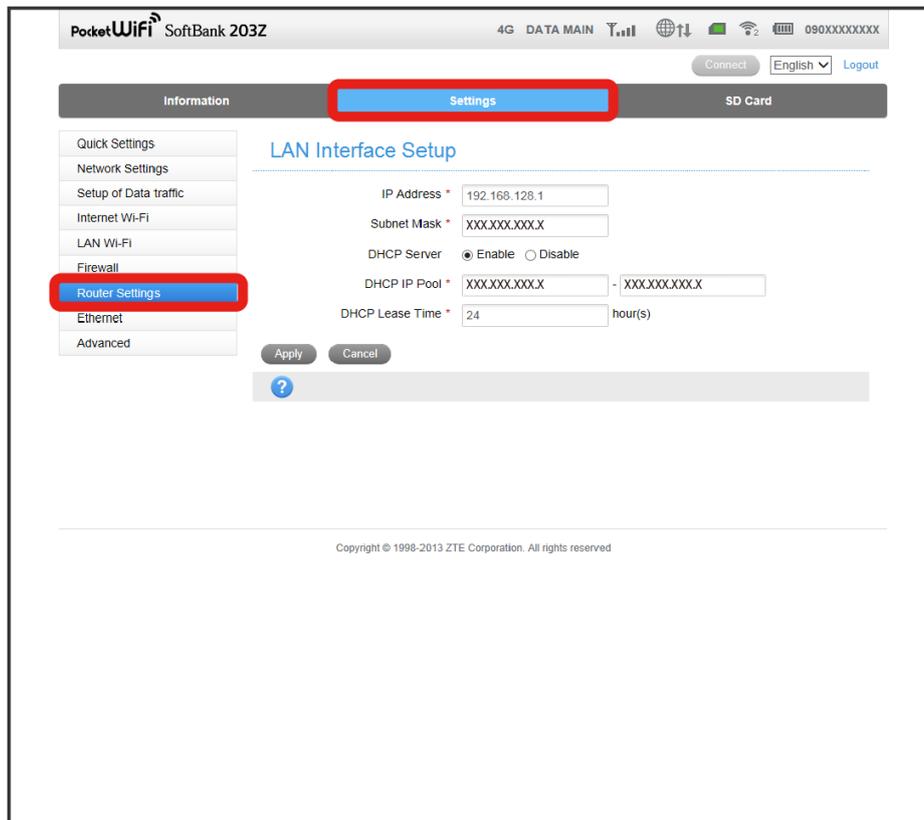
LAN Interface Setup (Router)

Items are as follows.

Setting Item	Description
IP Address	Set private IP address
Subnet Mask	Set subnet mask
DHCP Server	Select DHCP server function mode
DHCP IP Pool	Set DHCP IP pool starting address and ending address
DHCP Lease Time	Set IP address lease time

1

In Settings screen, **Router Settings**



 Router screen appears.

2

Configure each item →

LAN Interface Setup

IP Address *

Subnet Mask *

DHCP Server Enable Disable

DHCP IP Pool * -

DHCP Lease Time * hour(s)

 Settings are saved.

- Restart Wi-Fi router to activate saved settings.

Settings for Ethernet

Configure settings to connect the Internet using Ethernet.

Configure Ethernet Mode to select the way to connect the Internet when disconnecting from an Ethernet network.

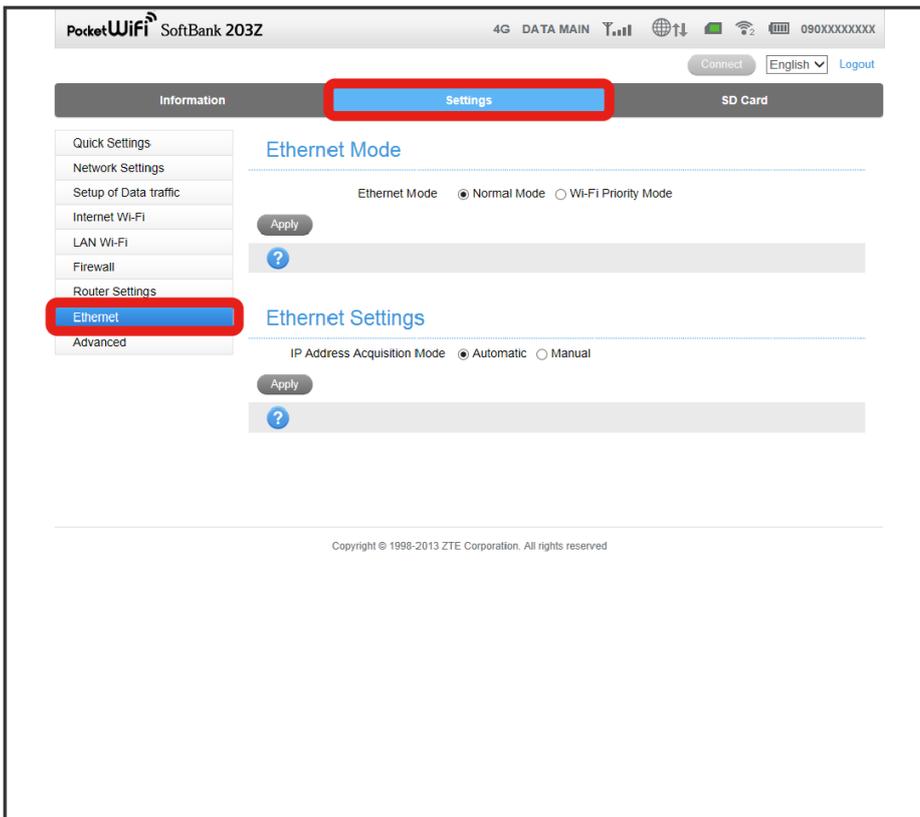
Configure Ethernet Settings to select IP address acquisition mode (Automatic/Manual) to connect the Internet through an Ethernet network.

Ethernet Mode

Set Ethernet Mode to Normal Mode or Wi-Fi Priority Mode.

1

In Settings screen, **Ethernet**



 Ethernet screen appears.

2

Select **Normal Mode** / **Wi-Fi Priority Mode** → **Apply**



 Setting is applied.

- In Normal Mode, 4G/LTE/3G and Wi-Fi are searched for connecting the Internet when the Ethernet network has been disconnected.
- In Wi-Fi Priority Mode, Wi-Fi is searched for 10 seconds then 4G/LTE/3G are searched to connect the Internet when the Ethernet network has been disconnected.

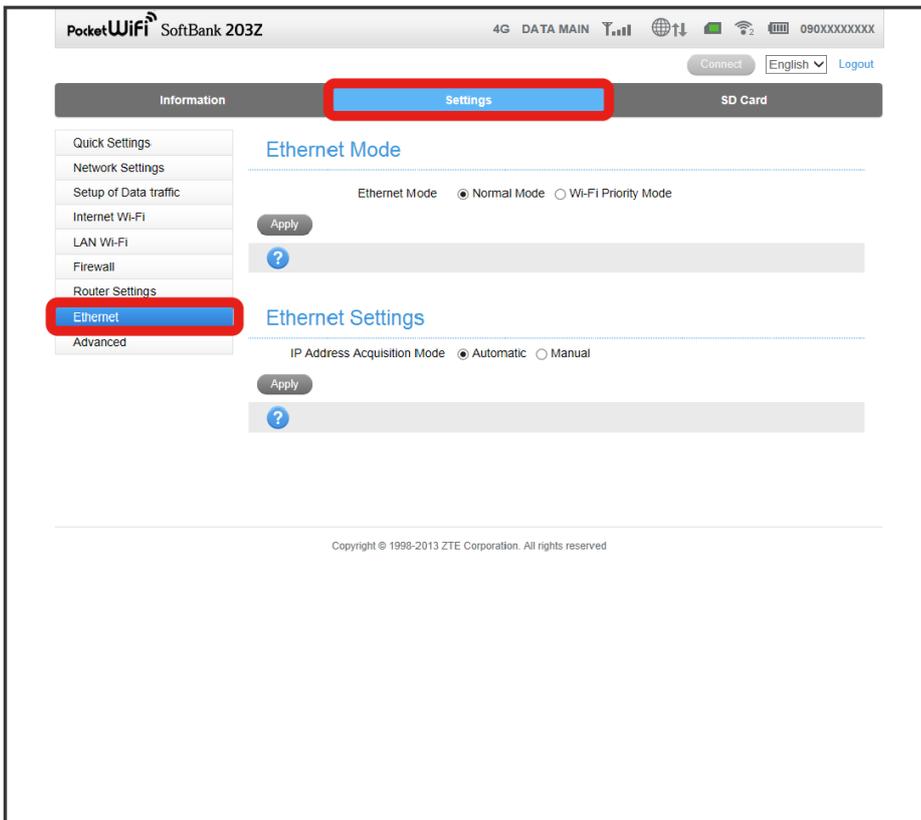
Ethernet Settings

Configure the following items to obtain IP address manually.

Setting item	Description
IP Address	Set IP address for WAN interface.
Subnet Mask	Set subnet mask.
Default Gateway	Set default gateway for WAN interface.
Primary DNS Server Address	Set the first DNS address for WAN interface.
Secondary DNS Server Address	Set the second DNS address for WAN interface.

1

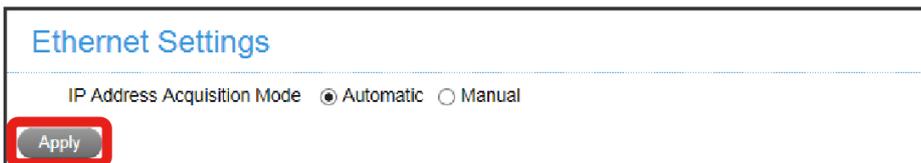
In Settings screen, **Ethernet**



Ethernet screen appears.

2

Select IP Address Acquisition Mode **Apply**



If **Automatic** is selected in IP Acquisition Mode, setting is complete.

· If **Manual** is selected in IP Acquisition Mode, setting items are shown.

3

Configure each item → Apply

Ethernet Settings

IP Address Acquisition Mode Automatic Manual

IP Address

Subnet Mask

Default Gateway

Primary DNS Server Address

Secondary DNS Server Address

 Settings are applied

Precaution for Setting Ethernet

If Wi-Fi has been selected, a delay will occur when starting communication after disconnecting the Ethernet network.

Advanced Settings

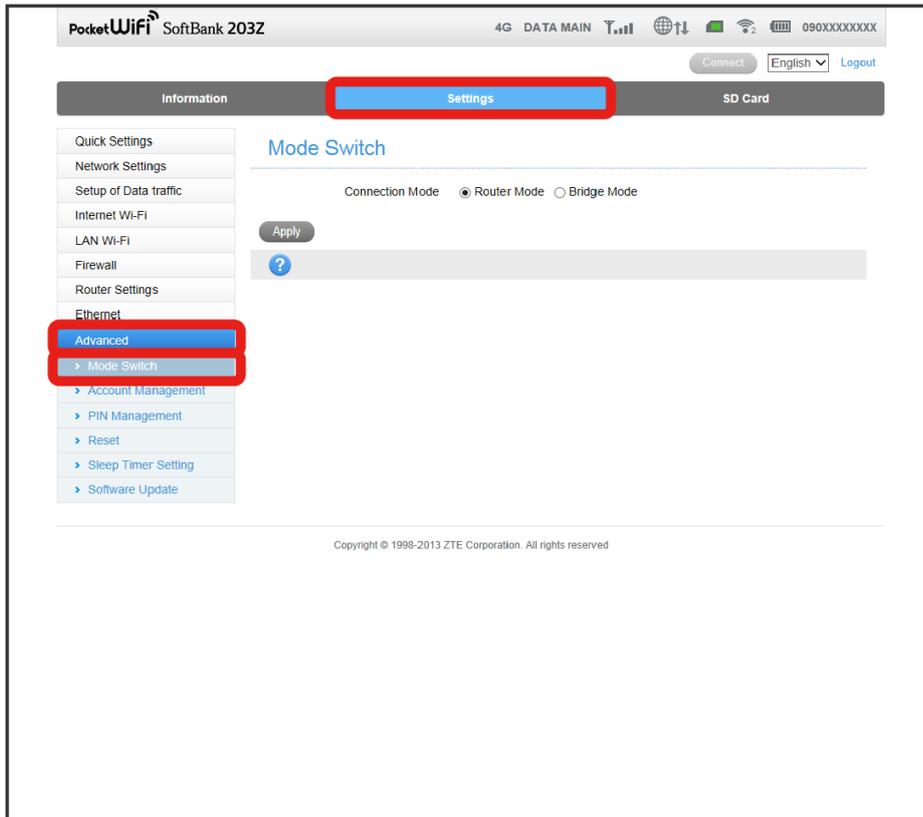
Configure settings such as connection mode, Administrator Password, Sleep Timer, etc.

Mode Switch

Select a connection mode (Router Mode/Bridge Mode).

1

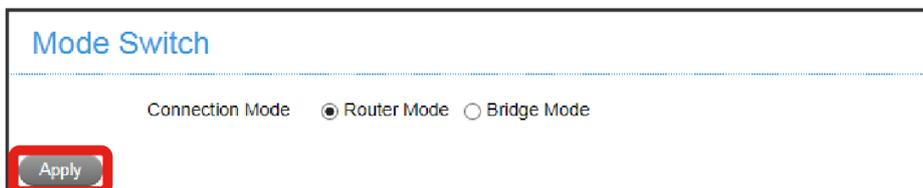
In Settings screen, **Advanced** → **Mode Switch**



Mode Switch screen appears.

2

Select **Router Mode** / **Bridge Mode** → **Apply**



Setting is applied.

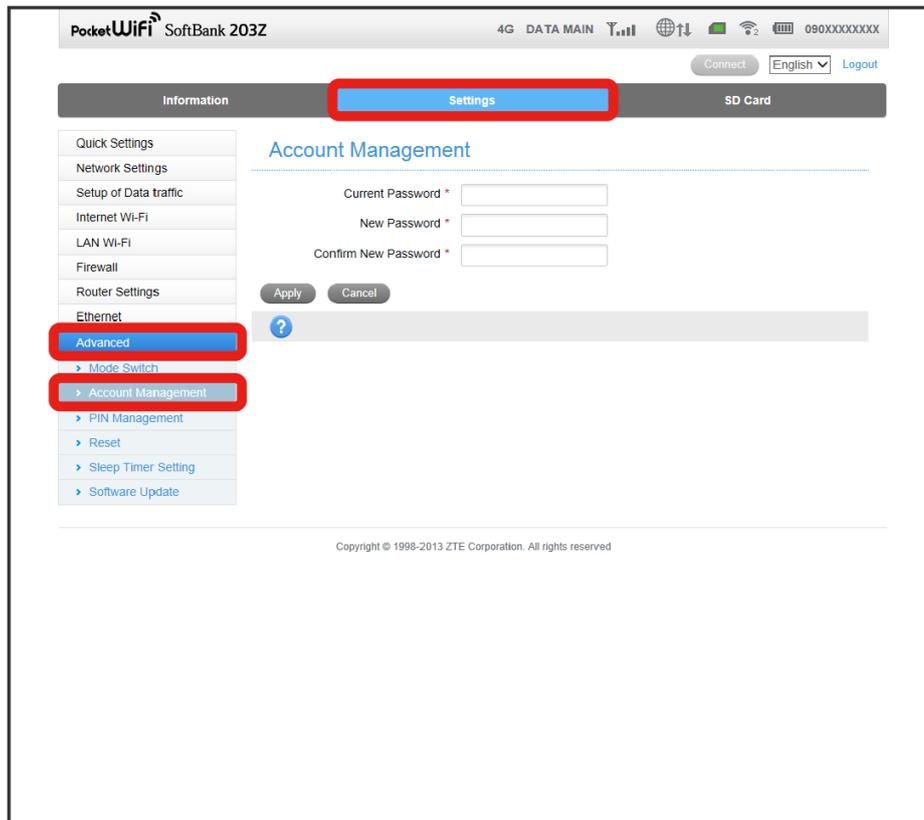
Account Management (Password)

Change password entry for logging in to WEB UI. By default, the setting is "admin."
Setting items are as follows.

Setting item	Description
Current Password	Enter current Password
New Password	Enter a new Password
Confirm New Password	Enter the new Password for confirmation

1

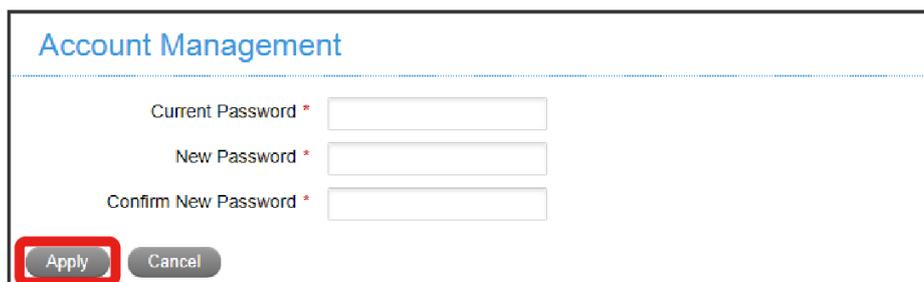
In Settings screen, **Advanced** → **Account Management**



Account Management screen appears.

2

Enter for each item → **Apply**



Setting is applied.

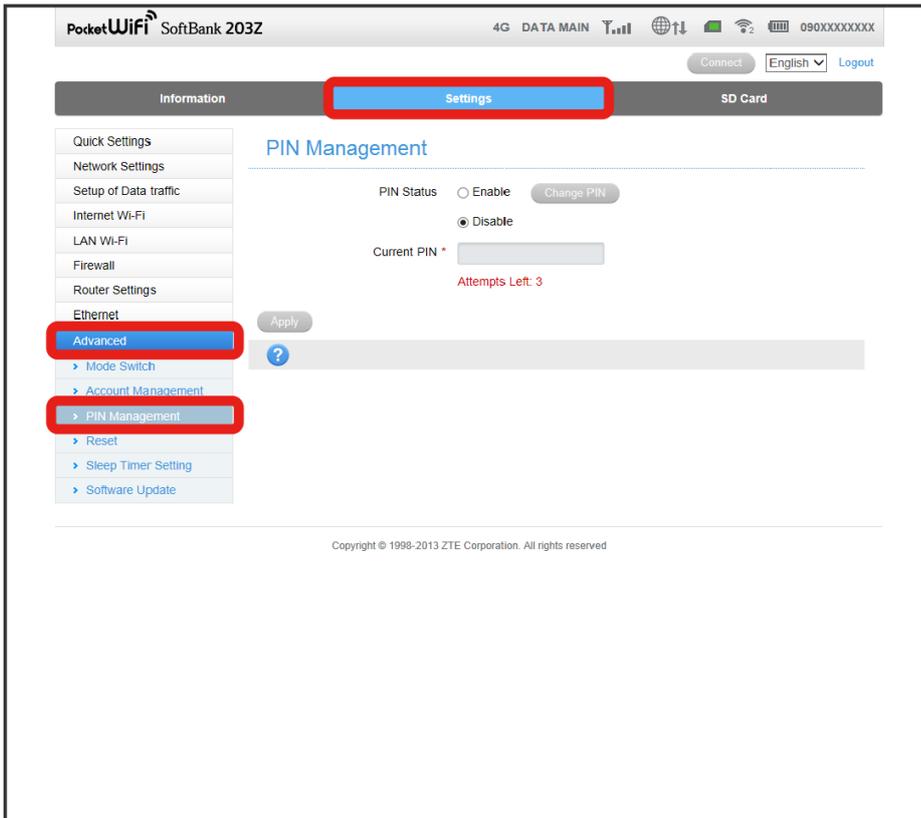
PIN Management

Personal Identification Number (PIN) is the USIM security code. Change PIN, or Enable/Disable PIN Authentication to control USIM access. By default, PIN code of USIM Card is set to "9999."

- Note that once PIN Authentication enabled, Wi-Fi router is not available unless PIN is entered to connect to PC.
- Incorrectly entering PIN three consecutive times activates PIN Lock. PUK Code is required to unlock it. For details about PUK, contact [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](#).

1

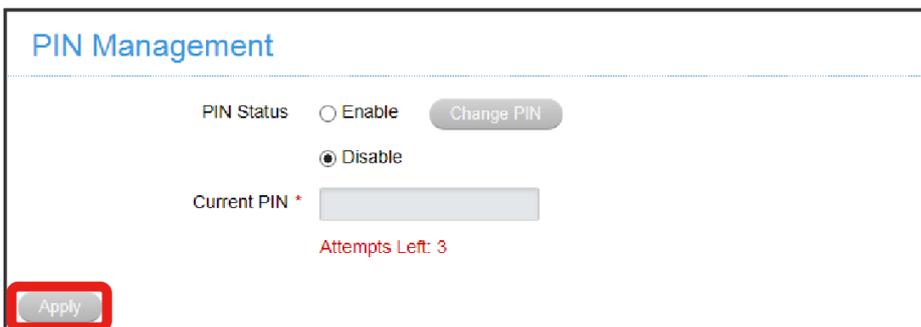
In Settings screen, [Advanced](#) → [PIN Management](#)



PIN Management screen appears.

2

Select PIN Status → Enter Current PIN as necessary → [Apply](#)



Setting is applied.

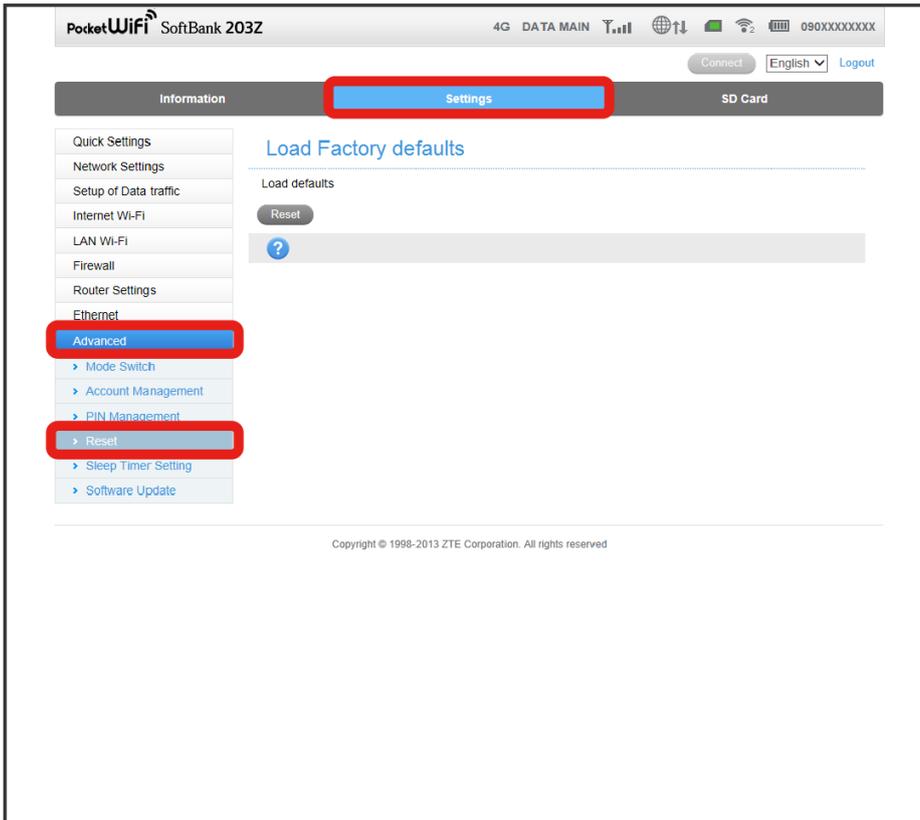
Resetting the Settings

Reset all Wi-Fi router settings to their factory defaults.

Following information are not restored; data in USIM Card, data in SD Card, software version if it is updated.

1

In Settings screen, **Advanced** → **Reset**



Reset screen appears.

2

Reset



Confirmation message appears.

3

Yes

Reset all Wi-Fi router settings to their factory defaults.

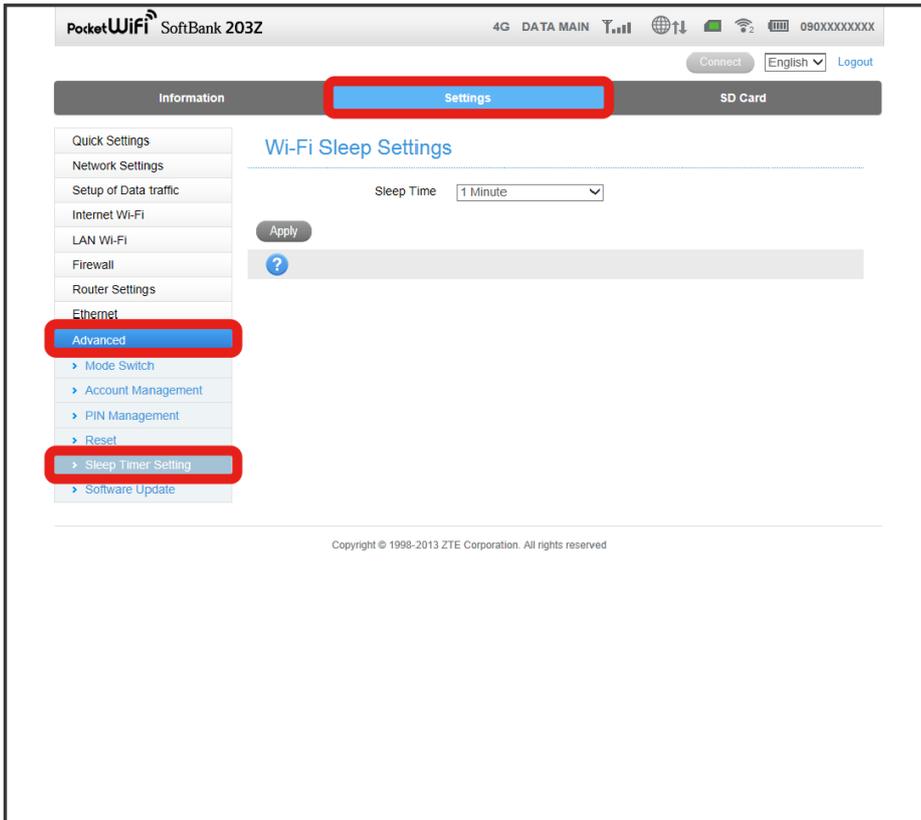
Click **No** to cancel it.

Sleep Timer Setting (Sleep Mode)

If not using or charging Wi-Fi router for a while with no connected WLAN devices, Wi-Fi router enters Sleep mode after Display has turned off to save power. By default, it is set to 1 minute.

1

In Settings screen, **Advanced** → **Sleep Timer Setting**



Wi-Fi Sleep Settings screen appears.

2

Select Sleep Time → **Apply**



Setting is applied.

Software Update

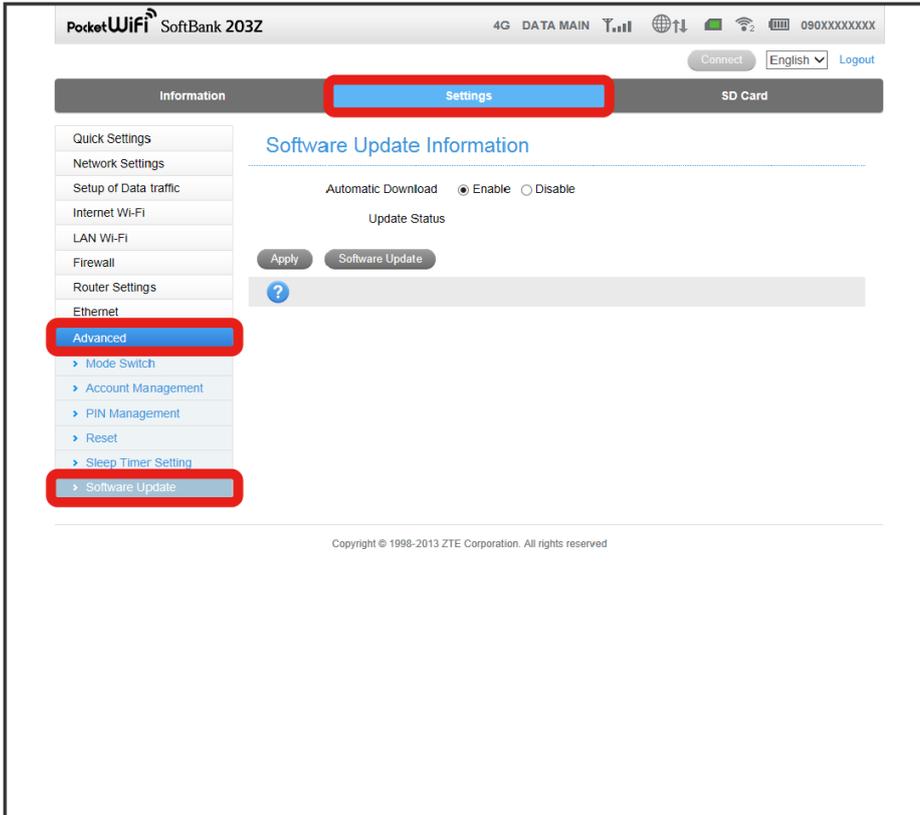
Execute Software Update.

If Automatic Download is set to **Enable**, Wi-Fi router periodically checks for updates, and when new updates are available, it automatically updates the software. If it is set to **Disable**, it checks for updates but does not update automatically.

- Packet fees are not incurred for software updating.
- Other functions are not available while software is being updated.

1

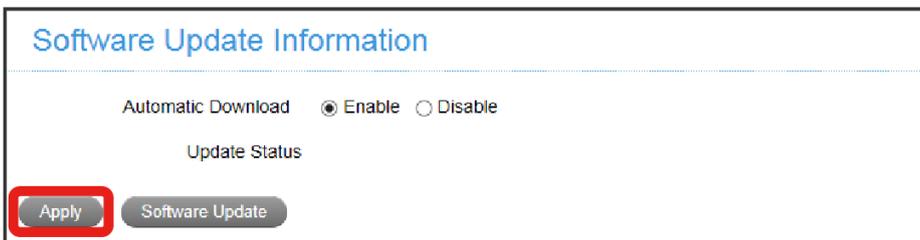
In Settings screen, **Advanced** → **Software Update**



Software Update Information screen appears.

2

Select **Enable** / **Disable** in Automatic Download → **Apply**



Setting is updated.

- Click **Software Update** to start software update immediately.

Mobile Utility

Access WEB UI via smartphone to show WEB UI for mobile.

Activating WEB UI via Mobile Devices

1

Make sure mobile devices are properly connected to Wi-Fi router via WLAN

· See "[WLAN\(Wi-Fi\)](#)" for WLAN connection.

2

On Wi-Fi router, Touch **ENTER** → Select **情報** and Touch **ENTER** → Select **WEB UI URL** and Touch **ENTER**

 URL of WEB UI is shown In Display.

3

Enter URL in browser's Address Bar

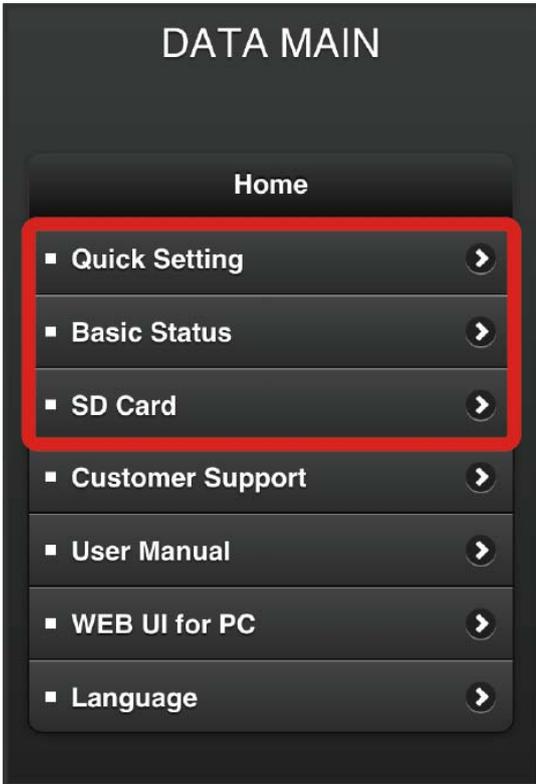


 WEB UI Home screen appears.

Logging in to WEB UI via Mobile Devices

1

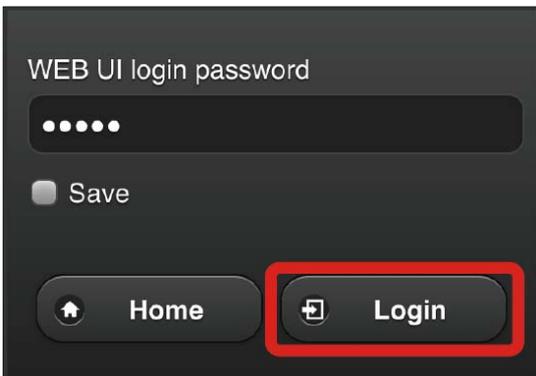
In Home screen, Tap **Quick Setting** , **Basic Status** or **SD Card**



 Login screen appears.

2

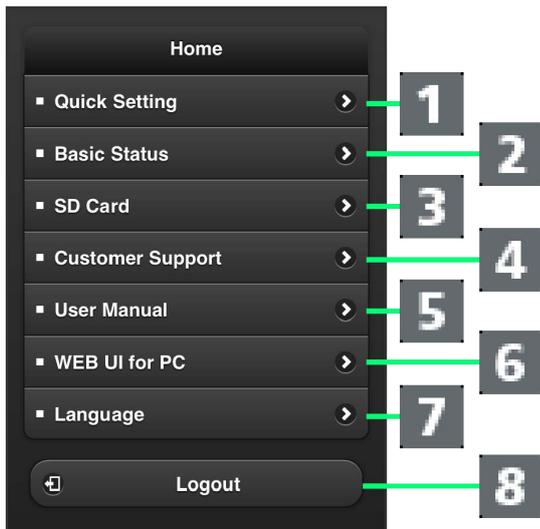
Enter administrator password  **Login**



 A screen for the menu Tapped in step **1** appears.

· Administrator password is set to "admin" by default. See "[Account Management \(Password\)](#)."

WEB UI Window for Mobile



Item	Description
1 Quick Setting	Show Quick Setting screen
2 Basic Status	Show Basic Status screen
3 SD Card	Show SD Card screen
4 Customer Support	Jump to Customer Support Page
5 User Manual	Jump to Manual download Page
6 WEB UI for PC	Show WEB UI screen for PC Some functions are unavailable depending on browser
7 Language	Select language
8 Logout	Log out WEB UI

Precaution for Changing Wi-Fi Settings

Using WEB UI to change Internet Wi-Fi or LAN Wi-Fi Settings while Wi-Fi router is wirelessly connected to the device may close the WLAN connection. Reconnect Wi-Fi router to re-establish WLAN connection.

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Troubleshooting

Troubleshooting

If problems remain unresolved even after the following troubleshooting, contact a SoftBank Shop or [Customer Service](#), General Information.

? Troubleshooting

- Q. Unable to connect WLAN
- A. Make sure Wi-Fi router is properly connected to PC.
 - A. If WPS connection fails, see WLAN device user guide. If still unable to connect, set Wi-Fi router manually. See "[WLAN \(Wi-Fi\)](#)."
 - A. To connect WPS PIN specified WLAN device, confirm PIN. See "[Configuring Settings for Connecting WPS Supported WLAN Devices](#)."
 - A. If OPEN WEP encryption method is set, check whether correct WEP key is entered. If WEP key is forgotten, see "[Basic Settings for WLAN](#)" to reset WEP key, and again connect.
 - A. Check whether correct WPA Key is entered. If WPA Key is forgotten, see "[Resetting to Factory Settings](#)" and reset Wi-Fi router, or see "WLAN Initialization Sticker" to reset WPA key, and again connect. In addition, the WPA/WPA2 encryption methods might not be compatible depending on the WLAN devices. See user guide for the WLAN device being used.

Q. PC does not recognize Wi-Fi router

A. Make sure Wi-Fi router is properly connected to PC.

A. Remove Wi-Fi router from PC, restart PC, then reconnect Wi-Fi router.

A. For Windows 8, follow these steps to confirm proper Wi-Fi router installation.

Desktop → Explorer → Right click Computer → Properties → System Properties → Hardware → Device Manager →

Confirm that "CWID USB SCSI CD-ROM USB Device" in "DVD/CD-ROM drives," "ZTE MMS Storage USB Device" in "Disk drives," "Remote NDIS based Internet Sharing Device" in "Network adapters," and "USB Mass Storage Device" in "Universal Serial Bus controllers" are shown.

A. For Windows 7, follow these steps to confirm proper Wi-Fi router installation.

Explorer → Right click Computer → Properties → System Properties → Hardware → Device Manager →

Confirm that "CWID USB SCSI CD-ROM USB Device" in "DVD/CD-ROM drives," "ZTE MMS Storage USB Device" in "Disk drives," "Remote NDIS based Internet Sharing Device" in "Network adapters," and "USB Mass Storage Device" in "Universal Serial Bus controllers" are shown.

A. For Windows Vista, follow these steps to confirm proper Wi-Fi router installation.

Right click Computer → Properties → System Properties → User Account Control → Hardware → Device Manager →

Confirm that "CWID USB SCSI CD-ROM USB Device" in "DVD/CD-ROM drives," "ZTE MMS Storage USB Device" in "Disk drives," "Remote NDIS based Internet Sharing Device" in "Network adapters," and "USB Mass Storage Device" in "Universal Serial Bus controllers" are shown.

A. For Windows XP, follow these steps to confirm proper Wi-Fi router installation.

Right click My Computer → Properties → Hardware → Device Manager → Confirm that "CWID USB SCSI CD-ROM USB Device" in "DVD/CD-ROM drives," "ZTE MMS Storage USB Device" in "Disk drives," "Remote NDIS based Device" in "Network adapters," and "USB Mass Storage Device" in "Universal Serial Bus controllers" are shown.

Q. Drivers are not automatically installed when Wi-Fi router is connected (Windows PCs only)

A. New hardware recognition takes a few seconds. If installer does not automatically activate, remove Wi-Fi router from PC, then reconnect.

A. Install the drivers manually. See "[Manual Installation](#)."

Q. Internet connection fails

A. Make sure you are within the service area.

A. If signal reception is poor, move to where signal is strong, then reconnect.

A. The access point might be busy depending on the time of day, wait a little while then reconnect.

A. Activate WEB UI and confirm that 3G/4G settings and network settings are correct.

Q. Transmission fails

A. Make sure Wi-Fi router is properly connected to PC via Wi-Fi or with Micro USB Cable. If connected via a Micro USB Cable, disconnect the Micro USB Cable from Wi-Fi router and PC, then reconnect it.

A. Signal may be weak. Move to where signal is stronger.

A. Restart Wi-Fi router.

A. Check Wi-Fi router battery level. If battery level is low, charge using AC Charger, or by connecting to PC via a Micro USB Cable. See "[Charging Battery](#)."

Q. Transmissions are slow

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 Micro USB Cable.

Q. Forgot PIN/Unknown, PUK/USIM Card is locked

A. Contact [Customer Service](#), General Information.

Q. USIM Card is not recognized

A. Confirm that USIM Card is properly installed. See "[Installing USIM Card](#)."

A. Check USIM Card for damage.

A. Check USIM Card IC chip for scratches/corrosion.

A. Debris on USIM Card (particularly on IC chip) may prevent recognition. Clean it with a soft cloth.

A. Contact [Customer Service](#), General Information.

Q. Confirming Administrator logon

A. For Windows 8, follow these steps:

Move the pointer into the upper-right or lower-right corner →  charm → Control Panel → Change account type in User Accounts and Family Safety → Make sure the account is "Administrator."

A. For Windows 7, follow these steps:

Start menu → Control Panel → User Account and Family Safety → User Account → Confirm that the type of account currently logged into is "Administrator."

Q. "Out of Service" appears outside Japan

A. Power off and restart.

Q. Resetting factory defaults (Reset)

A. Select menu on Wi-Fi router to reset. See "[Resetting to Factory Settings](#)."

A. To reset the settings via WEB UI. See "[Resetting the Settings](#)."

Q. Old phone number appears in WEB UI.

A. Depending on contract/cancellation method, old phone number may appear in WEB UI.

Q. Performance is unstable

A. Avoid extreme temperatures/high humidity/direct sunlight/dusty areas. Check "[Safety Precautions](#)" to use in an appropriate environment.

A. Do not use invalid software. Operations using software not provided by SoftBank Mobile Corp. are not guaranteed.

Q. Connection failed without notice

A. Connection method may have been changed. Confirm connection method on Display.

A. Restart Wi-Fi router.

Q. Connection for voice chatting or video chatting fails.

A. Make sure you are within the service area.

A. Signal may be weak. Move to where signal is stronger.

A. Enable UPnP to follow these steps:

Settings → **Firewall** → **UPnP** → select "Enable" then click "Apply."

Q. IP address error is shown.

A. If IP address of Internet Wi-Fi and IP address of Wi-Fi router is duplicated, IP address error is shown on Display of Wi-Fi router.

When using the Internet Wi-Fi function, and connect to the Internet through the access point of the public WLAN service, duplicating the IP address of the LAN Wi-Fi Internet and Wi-Fi may occur, Internet connection is unavailable in this situation.

Activate WEB UI and change current IP address in "IP Address" field by selecting **Settings** → **Router Settings**. (By default, IP address of Wi-Fi router is set to "192.168.128.1." If an IP address error occurs in this setting, change the third portion of the "128" in the "192.168.128.1" from the left to another number). Accordingly, change IP address in **DHCP IP Pool** and click **Apply**. If Wi-Fi router's IP address is changed, be aware that even if functions are linked to the IP address, **Firewall** configuration might need to be changed.

Specifications

203Z

Item	Description
Model Name	203Z
Dimensions ¹	67.7 mm (h) × 110.2 mm (w) × 18.7 mm (d)
Weight ¹	168 g
Interface	USB 2.0 microSD Card or microSDHC Card
Power Consumption ¹	Standby: 0.02 W Connected: 1.24 W Power consumption varies by usage
Operating Environment	Operating Temperature: -10 °C to +45 °C Operating Humidity: 5 % to 95 %
Frequency	AXGP: 2.5 GHz W-CDMA: 1.5 GHz, 1.7 GHz, 2.1 GHz (overseas usage), 850 MHz (overseas usage) FDD-LTE: 1.7 GHz
Compatible Networks	WAN: 4G (AXGP/FDD-LTE), 3G (W-CDMA), 3G High Speed (HSUPA, HSDPA), ULTRA SPEED (HSPA+, DC-HSDPA) WLAN: IEEE802.11b/g/n
Charging Time ^{1, 2}	5.5 hours (AC charger charging) 12 hours (USB charging)
Continuous Standby Time ^{1, 3}	900 hours
Continuous Communication Time ^{1, 3}	14 hours
Power Supply Voltage	DC 5.2 V ± 5 %
Power Supply Current	1 A

1 Approximate values

2 Varies by ambient temperature, Battery usage, etc.

3 Varies by environment, signal conditions, etc.

AC Charger

Item	Description
Model Name	AC Charger (ZECAP1)
Weight	32 g
Rated Voltage	DC 5 V ± 5 %
Rated Current	1.5 A - 1.8 A
Input Voltage	100 V - 240 V, 50 Hz - 60 Hz

Micro USB Cable

Item	Description
Model Name	Micro USB Cable (ZEDAD1)
Cable Length	1200 mm
Plug Type	Standard-A, micro-B
Charging Temperature	0 °C - 55 °C

Materials

Parts	Materials/Finishing
Outer Case (Display side)	Translucent PC, IML
Outer Case (side and Battery Cover)	PC
Power Slide Key	PC
INFO Key	PC+TPU
SD Card Slot Cover	PC+TPU
USIM Card Slot Cover	PC+TPU
USB Slot Cover	PC+TPU

Settings on WEB UI

Followings are the settings on WEB UI. Options and default values for setting items in Settings screen and SD Card screen are shown. If accessing WEB UI through a mobile device, some items or names may be modified or omitted.

Information

Check Wi-Fi router information, devices connected to Wi-Fi router, messages, and URLs for support website and manuals.

Item	Information
Device Information	- Phone Number
	- Current APN
	- IMEI
	- SSID
	- Max. Access Number
	- LAN Domain
	- IP Address
	- WAN IP Address
	- Firmware Version
	- Hardware Version
	Statistics
- Download Speed	
Following items of each network operator (DATA MAIN and DATA SUB) and total of network operators	
- Duration of current connection	
- Data downloaded of current connection	
- Data uploaded of current connection	
- Total used data of current connection	
List of Connected Devices	- Duration of current month
	- Data downloaded of current month
Message	- Data uploaded of current month
	- Total used data of current month
Help	- Host name
	- MAC address
	- Message
	- Support Website URL
	- User Manual URL

Settings (Options and Default)

Set details.

- Quick Settings

Items	Setting Range/Default
SSID Setting	SSID - Options: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { } ~ and space) of up to 32 characters - Default: 1
	SSID Stealth - Options: Enable, Disable - Default: Disable
Authentication Method	Authentication Method - Options: OPEN, SHARED, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK - Default: WPA-PSK/WPA2-PSK
	WPA ENCRYPTION - Options: AES, TKIP, AUTO - Default: AUTO
	Encryption scheme (when "OPEN" is selected on "Authentication Method") - Options: NO ENCRYPTION, WEP - Default: NO ENCRYPTION
	Security Key - Options: Alphanumeric characters and symbols (except ,(comma) " : ; < > & [backslash] ¥) of up to 63 at least 8 characters, or 64 hexadecimal digits (0 to 9, A to F) - Default: 1
Default Key	Default Key - Options: 1 to 4 - Default: 1
	WEP Key 1 to 4 - Options: 64-bit key: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { } ~) of 5 characters or 10 hexadecimal digits (0 to 9, A to F), 128-bit key: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { } ~) of 13 characters or 26 hexadecimal digits (0 to 9, A to F) - Default: (none)

1 See supplied WLAN Initialization Sticker for Network Name (SSID) and Security Keys (WPA key).

· Network Settings > Network Operator

Items	Setting Range/Default
Network Operator	Network Operator - Options: Automatic (4G/LTE/3G), Manual - Default: Automatic (4G/LTE/3G)

· Network Settings > APN

Items	Setting Range/Default
Data Main APN Settings	Profile Name - Options: Alphanumeric characters and symbols (except ,(comma) " : ; < > & [backslash] ¥) of up to 63 characters
	APN - Options: Dynamic, Static/Alphanumeric characters and symbols (except ,(comma) " : ; < > & [backslash] ¥) of up to 63 characters
Data Sub APN Settings	Authentication - Options: NONE, CHAP, PAP
	User Name - Options: Alphanumeric characters and symbols (except ,(comma) " : ; < > & [backslash] ¥) of up to 63 characters
Data Sub APN Settings	Password - Options: Alphanumeric characters and symbols (except ,(comma) " : ; < > & [backslash] ¥) of up to 63 characters
	Profile Name - Options: Alphanumeric characters and symbols (except ,(comma) " : ; < > & [backslash] ¥) of up to 63 characters
Data Sub APN Settings	APN - Options: Dynamic, Static/Alphanumeric characters and symbols (except ,(comma) " : ; < > & [backslash] ¥) of up to 63 characters
	Authentication - Options: NONE, CHAP, PAP
Data Sub APN Settings	User Name - Options: Alphanumeric characters and symbols (except ,(comma) " : ; < > & [backslash] ¥) of up to 63 characters
	Password - Options: Alphanumeric characters and symbols (except ,(comma) " : ; < > & [backslash] ¥) of up to 63 characters

· Network Settings > Overseas Roaming

Items	Setting Range/Default
Overseas Roaming	Overseas Roaming - Options: On, Off - Default: Off

· Setup of Data traffic

Items	Setting Range/Default
Setup of Data traffic	Maximum traffic - Options: 0 to 999, KB/MB/GB - Default: 2 GB
	Auto reset date - Options: 1 to 31 - Default: 31
· Internet Wi-Fi > Internet Wi-Fi	

Items	Setting Range/Default
Internet Wi-Fi	Internet Wi-Fi - Options: Enable, Disable - Default: Enable
	SoftBank Wi-Fi Spot Setting - Options: Enable, Disable - Default: Enable
SoftBank Wi-Fi Spot Setting	Password - Options: 0000 to 9999 - Default: (none) ¹
	Profile - Options: Alphanumeric characters and symbols (except ,(comma) " ; < > & [backslash] ¥) of up to 63 characters - Default: (none)
Wireless Network	Network Name (SSID) - Options: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { } ~ and space) of up to 32 characters - Default: (none)
	Authentication Method - Options: OPEN, SHARED, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK - Default: OPEN
Wireless Network	WPA ENCRYPTION - Options: TKIP, AES, AUTO - Default: AUTO
	Security Key - Options: Alphanumeric characters and symbols (except ,(comma) " ; < > & [backslash] ¥) of up to 63 at least 8 characters, or 64 hexadecimal digits (0 to 9, A to F) - Default: (none)
Wireless Network	Encryption scheme - Options: NO ENCRYPTION, WEP - Default: NO ENCRYPTION
	Default Key - Options: 1 to 4 - Default: 1
Wireless Network	WEP Key 1 to 4 - Options: 64-bit key: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { } ~) of 5 characters or 10 hexadecimal digits (0 to 9, A to F), 128-bit key: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { } ~) of 13 characters or 26 hexadecimal digits (0 to 9, A to F) - Default: (none)

¹ Initial password is the four-digit password set in your contract.

Items	Setting Range/Default
	WPS
	- Options: PBC, PIN
	- Default: (none)
WPS	
	PIN
	- Options: 8 decimal digits
	- Default: (none)
· LAN Wi-Fi > Basic Settings	

Items	Setting Range/Default
	Multi SSID
	- Options: Enable, Disable
	- Default: Disable
Basic Settings	
	Multi SSID Isolation
	- Options: Enable, Disable
	- Default: Disable
<hr/>	
	Network Name (SSID)
	- Options: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { } ~ and space) of up to 32 characters
	- Default: 1
	Privacy Separator
	- Options: Enable, Disable
	- Default: Disable
	SSID Stealth
	- Options: Enable, Disable
	- Default: Disable
	Authentication Method
	- Options: OPEN, SHARED, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK
	- Default: WPA-PSK/WPA2-PSK
	WPA ENCRYPTION
	- Options: TKIP, AES, AUTO
	- Default: AUTO
	Security Key
	- Options: Alphanumeric characters and symbols (except ,(comma) " ; < > & [backslash] ¥) of up to 63 at least 8 characters, or 64 hexadecimal digits (0 to 9, A to F)
SSID 1	- Default: 1
	Encryption scheme
	- Options: NO ENCRYPTION, WEP
	- Default: NO ENCRYPTION
	Default Key
	- Options: 1 to 4
	- Default: 1
	WEP Key 1 to 4
	- Options: 64-bit key: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { } ~) of 5 characters or 10 hexadecimal digits (0 to 9, A to F), 128-bit key: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { } ~) of 13 characters or 26 hexadecimal digits (0 to 9, A to F)
	- Default: (none)
	Max Station Number
	- Options: 1 to 14 ²
	- Default: 14 ³

- SSID
 - Options: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { | } ~ and space) of up to 32 characters
 - Default: ¹

- Privacy Separator
 - Options: Enable, Disable
 - Default: Disable

- SSID Stealth
 - Options: Enable, Disable
 - Default: Disable

- Authentication Method
 - Options: OPEN, SHARED, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK
 - Default: WPA-PSK/WPA2-PSK

- WPA ENCRYPTION
 - Options: TKIP, AES, AUTO
 - Default: AUTO

- Security Key
 - Options: Alphanumeric characters and symbols (except ,(comma) " ; < > & [backslash] ¥) of up to 63 at least 8 characters, or 64 hexadecimal digits (0 to 9, A to F)
 - Default: ¹

- Encryption Scheme
 - Options: NO ENCRYPTION, WEP
 - Default: NO ENCRYPTION

- Default Key
 - Options: 1 to 4
 - Default: 1

- WEP Key 1 to 4
 - Options: 64-bit key: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { | } ~) of 5 characters or 10 hexadecimal digits (0 to 9, A to F), 128-bit key: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { | } ~) of 13 characters or 26 hexadecimal digits (0 to 9, A to F)
 - Default: (none)

- Max Station Number
 - Options: 1 to 13
 - Default: 7

1 See supplied WLAN Initialization Sticker for Network Name (SSID) and Security Keys (WPA key).
 2 1 to 13 (when Multi SSID is Enable)
 3 7 (when Multi SSID is Enable)

· LAN Wi-Fi > Advanced Settings

Items	Setting Range/Default
	Network Mode - Options: Auto (11b/11g/11n), 11b, 11g, 11n - Default: Auto (11b/11g/11n)
	Frequency Bandwidth - Options: 20 MHz, 20 MHz/40 MHz - Default: 20 MHz/40 MHz
	Country/Region Code - Options: (List) - Default: JAPAN
Advanced Settings	Channel - Options: Auto (1-11), Auto (1-13) - Default: Auto (1-11)
	Out of Service Notification - Options: On, Off - Default: On
	Wi-Fi Automatic Disconnection - Options: On, Off - Default: On
	Show SSID and password on LCD - Options: On, Off - Default: On

· LAN Wi-Fi > WPS

Items	Setting Range/Default
	SSID Setting - Options: - - Default: ¹
WPS	WPS - Options: PIN, PBC - Default: (none)
	WPS PIN - Options: 8 decimal digits - Default: (none)

1 See supplied WLAN Initialization Sticker for Network Name (SSID) and Security Keys (WPA key).

· LAN Wi-Fi > MAC Address Filtering

Items	Setting Range/Default
Settings for MAC address filtering	Blacklist Switch - Options: Enable, Disable - Default: Disable
Blacklist	MAC Address - Options: Number of six sets of 00 to FF - Default: (none)

· Firewall > IP/Port Filtering

Items	Setting Range/Default
Basic Settings	IP/Port Filtering - Options: Enable, Disable - Default: Disable
	Default Policy - Options: Accepted, Forbidden - Default: Accepted
IP/Port Filtering Settings	Source IP Address - Options: Number of four sets of 0 to 255 - Default: (none)
	Dest. IP Address - Options: Number of four sets of 0 to 255 - Default: (none)
	Protocol - Options: TCP+UDP, TCP, UDP, ICMP - Default: TCP+UDP
	Source Port Range - Options: 1 - 65535 Join by "-" if specifying range - Default: 1 - 65535
	Dest. Port Range - Options: 1 - 65535 Join by "-" if specifying range - Default: 1 - 65535
	Comment - Default: (none)

· Firewall > Port Mapping

Items	Setting Range/Default
Port Mapping	Basic Settings - Options: Enable, Disable - Default: Disable
	Src. Port - Options: 1 to 65000 - Default: (none)
	Dest. IP Address - Options: Number of four sets of 0 to 255 - Default: (none)
	Dest. Port - Options: 1 to 65000 - Default: (none)
	Protocol - Options: TCP+UDP, TCP, UDP - Default: TCP+UDP
	Comment - Default: (none)

· Firewall > UPnP

Items	Setting Range/Default
UPnP Settings	UPnP Settings - Options: Enable, Disable - Default: Disable

· Router Settings

Items	Setting Range/Default
LAN Interface Setup	IP Address - Options: Number of four sets of 0 to 255 - Default: 192.168.128.1
	Subnet Mask - Options: Number of four sets of 0 to 255 - Default: 255.255.255.0
	DHCP Server - Options: Enable, Disable - Default: Enable
	DHCP IP Pool (start IP address) - Options: Number of four sets of 0 to 255 - Default: 192.168.128.20
	DHCP IP Pool (end IP address) - Options: Number of four sets of 0 to 255 - Default: 192.168.128.253
	DHCP Lease Time (hour) - Options: 1 to 24 - Default: 24

· Ethernet

Items	Setting Range/Default
Ethernet Mode	Ethernet Mode - Options: Normal Mode, Wi-Fi Priority Mode - Default: Normal Mode
	IP Address Acquisition Mode - Options: Automatic, Manual - Default: Automatic
	IP Address - Options: Number of four sets of 0 to 255 - Default: (none)
	Subnet Mask - Options: Number of four sets of 0 to 255 - Default: (none)
Ethernet Settings	Default Gateway - Options: Number of four sets of 0 to 255 - Default: (none)
	Primary DNS Server Address - Options: Number of four sets of 0 to 255 - Default: (none)
	Secondary DNS Server Address - Options: Number of four sets of 0 to 255 - Default: (none)

· Advanced > Mode Switch

Items	Setting Range/Default
Mode Switch	Connection Mode - Options: Router Mode, Bridge Mode - Default: Router Mode

· Advanced > Account Management

Items	Setting Range/Default
Account Management	Current Password - Options: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { } ~) of up to 15 characters - Default: (none) ¹
	New Password - Options: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { } ~) of up to 15 characters - Default: (none)
	Confirm New Password - Options: Alphanumeric characters and symbols (! # () + - . / % = ? @ ^ _ { } ~) of up to 15 characters - Default: (none)

¹ Administrator password is "admin" by default.

· Advanced > PIN Management

Items	Setting Range/Default
PIN Management	PIN Status - Options: Enable, Disable - Default: Disable
	Current PIN - Options: Four to eight-digit number - Default: (none) ¹
	New PIN - Options: Four to eight-digit number - Default: (none)
	Confirm New PIN - Options: Four to eight-digit number - Default: (none)
	PUK - Options: Eight-digit number - Default: (none)

¹ PIN is "9999" by default.

· Advanced > Sleep Timer Setting

Items	Setting Range/Default
Wi-Fi Sleep Settings	Sleep Time - Options: 1 Minute, 3 Minutes, 5 Minutes, 10 Minutes, 15 Minutes, 30 Minutes, 60 Minutes - Default: 1 Minute

· Advanced > Software Update

Items	Setting Range/Default
Software Update Information	Automatic Download - Options: Enable, Disable - Default: Enable

SD Card

Configure sharing mode of SD Card.

If "USB" is selected, Wi-Fi router is available as a removable disk when connected to PC with USB Cable.

If "HTTP" is selected, files in SD Card are checked on WEB UI. Moreover, saving data in SD Card to PC, saving data in PC to SD Card, changing file names, making new folders, deleting files and folders in SD Card are possible on WEB UI.

Glossary

Glossary

Term	Description
DC-HSDPA (Dual Cell High Speed Downlink Packet Access)	An extended standard for data receiving which has sped up the W-CDMA that is used in mobile phones.
DHCP (Dynamic Host Configuration Protocol)	This function automatically assigns an IP address to devices to be connected to the IP network, to provide the information needed for the connection. Setting for the connection is simplified, but since the IP address changes with each connection, identifying the terminal with an IP address is not possible.
DMZ (DeMilitarized Zone)	A region isolated from the internal network via a firewall, referred to as a demilitarized zone. Since all of the ports are opened to the outside via terminals that are set in the DMZ host, server applications and online games do not need to be specially set to enable their use.
HSDPA (High Speed Downlink Packet Access)	An extended standard for data receiving which has sped up the W-CDMA that is used in mobile phones.
HSPA+ (High Speed Packet Access +)	An extended standard for data receiving which has sped up the W-CDMA that is used in mobile phones.
HSUPA (High Speed Uplink Packet Access)	An extended standard for data receiving which has speeded up the W-CDMA that is used in mobile phones.
LTE (Long Term Evolution)	Next generation of high-speed communications standard for transmitting and receiving data. Third generation (3G) communications standard used in mobile phones has been sped up.
MAC Address (Media Access Control Address)	6-byte ID number uniquely assigned to all network devices. Typically, a MAC address is a hexadecimal and is expressed as "XX:XX:XX:XX:XX:XX."
PIN (Personal Identification Number)	Personal identification number required to use USIM Card on Wi-Fi router. Even if Wi-Fi router is lost or stolen, use by others is prevented.
PUK (Personal Unblocking Key)	Key to unlock the PIN lock.

SSID (Service Set Identifier)	The name used to identify a WLAN access point. If there is more than one wireless LAN access point in the communication range, specify the access point to be connected to.
USIM Card	Install in Wi-Fi router to use. Information such as the contracted customer's phone number is stored in USIM Card.
W-CDMA (Wideband-Code Division Multiple Access)	A third-generation wireless communications system for performing broadband communications.
WEP (Wired Equivalent Privacy)	An encryption standard initially used in wireless communication. Encryption method that uses a shared key of either 5 or 13 characters is adopted.
WPA (Wi-Fi Protected Access)	This is an encryption standard that improves on WEP. It is a pre-shared key that is set in advance. After authentication, encryption keys that are automatically generated will be used. Also, two encryption methods are used, AES (Advanced Encryption Standard) which supports long encryption keys and TKIP (Temporal Key Integrity Protocol) which dynamically changes the encryption keys, for conducting more secure communications.
WPS (Wi-Fi Protected Setup)	A function which easily enables WLAN connections and security settings. Several connection methods are available such as push-button and PIN code methods.
WPS PIN	A number of several digits which is issued by a WLAN device that is WPS-compatible. When setting via WPS PIN code method, enables secure WLAN setting via the input of this number into Wi-Fi router.
Firewall	A system for monitoring access from an external network such as the Internet to an internal network (LAN), to prevent unauthorized intrusions.
Port Number	A number for specifying applications and services to receive data via Internet communications. Numbers 0 to 65535 can be specified, and it is partitioned into three categories; a well-known port number that can be determined by general applications (0 to 1023), a registered port number that uses specific applications (1024 to 49151), etc., and a dynamic/private port number that can be freely used (49152 to 65535).
Roaming	Service which enables mobile phones to be used within the area networks of other providers based upon agreements between mobile phone providers.

Warranty & Service

Warranty

Wi-Fi router purchase includes Warranty.

- Confirm shop name and purchase date.
- Read contents of Warranty and keep it in a safe place.
- Check warranty period in the Warranty.

! Precautions

Damages

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

Accidents/Repairs

Files and settings may be lost or altered due to accidents or repairs. Keep a copy of important files, etc. SoftBank Mobile 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

Note that SoftBank Mobile Corp. does not accept disassembled or modified products for repairs.

Services

Before submitting Wi-Fi router for repairs, contact [Customer Service](#), General Information or a SoftBank Shop; be prepared to describe problem in detail.

- During the warranty period, repairs will be made under the terms and conditions described in the Warranty.
- After the warranty period, repairs will be upon request; if said repairs can be made, you will be charged for them.

💡 Further Inquiry

For more information, contact a SoftBank Shop or [Customer Service](#), General Information.

Customer Service

For SoftBank Wi-Fi router or service information, call General Information. For repairs, call Customer Assistance.

SoftBank Customer Support

💡 General Information

From a SoftBank handset, dial toll free at 157
From a landline/IP phone, dial toll free at 0800-919-0157

💡 Customer Assistance (loss or malfunction)

From a SoftBank handset, dial toll free at 113
From a landline/IP phone, dial toll free at 0800-919-0113
If you cannot reach a toll free number, use the number (charges apply) below for your service area:
Hokkaido Area, Tohoku Area, Hokuriku Area, Kanto & Koshinetsu Area: 022-380-4380
Tokai Area: 052-388-2002
Kansai Area: 06-7669-0180
Chugoku & Shikoku Area, Kyushu & Okinawa Area: 092-687-0010

SoftBank Technical Support Center (Setup, Operations & Technical Issues)

Setup, Operations & Technical Issues:

Service hours

Weekdays 9:00 am – 7:00 pm

Saturdays, Sundays, and holidays 9:00 am – 5:00 pm

From a SoftBank handset, dial toll free at ✕ 5525

From a landline/IP phone, dial toll free at 0088-21-5525

*Not available from outside Japan.

SoftBank Mobile Global Call Center

From outside Japan, dial +81-3-5351-3491 (toll free from SoftBank handsets)

If handset is lost/stolen, call this number immediately (international charges apply)

ZTE Japan Customer Support Website (Japanese)

http://www.zte.co.jp/products/handsets/handsets_gallery/

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.
SoftBank Mobile Corp. is not liable for any damages resulting from use of this product.

Labels & Symbols

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

Mark	Descriptions
 DANGER	Great risk of death or serious injury from improper use
 WARNING	Risk of death or serious injury from improper use
 CAUTION	Risk of minor injury or damage to property from improper use

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 power cord

Wi-Fi Router, USIM Card, AC Charger, Micro USB Cable

DANGER



Compulsory

Use SoftBank specified devices (AC Charger or Micro USB Cable) only.

Use of non-specified devices may cause Internal Battery to leak, overheat, rupture or ignite; or may cause AC Charger to overheat, ignite or malfunction.



Do Not Disassemble

Do not disassemble/modify/solder Wi-Fi router.

May cause fire, injury, electric shock or malfunction. Modifying Wi-Fi router is a violation of the Radio Law and subject to penalty.



Avoid Liquids Or Moisture

Keep liquids away from Wi-Fi router.

If Wi-Fi router is not dried after exposure to fluids (water, pet urine etc.), or connected to PC while wet, overheating, electric shock, fire, injury, malfunction, etc. may occur. Be careful of where used or handled.



Prohibited

Do not charge, use or leave Wi-Fi router in places subject to high temperatures (near an open flame or heating equipment, in direct sunlight or inside a car on a hot day.) Also, do not charge, use or leave Wi-Fi router in warm places (inside of hermetically-closed bag or pocket, inside of kotatsus, electric blankets, or inside pockets together with pocket heater, etc.) where heat easily builds up since the same risks might be incurred.

May cause deformation or malfunctions, Also, the outer housing may become hot resulting in burns.



Prohibited

Do not use excessive force to connect AC Charger or Micro USB Cable. Connect after checking the orientation of the terminals.

Internal Battery may leak, overheat, rupture or ignite.

⚠ WARNING

Prohibited

Do not place Wi-Fi router, AC Charger, or Micro USB Cable in a microwave oven or pressure cooker, or on an induction cooktop.

May cause Internal Battery to leak, overheat, rupture or ignite; or may cause Wi-Fi router, AC Charger, Micro USB Cable to overheat, emit smoke, ignite or malfunction.



Compulsory

Turn off Wi-Fi router when entering gas stations or other places where flammable gases (propane gas, gasoline, etc.) or fine particulates are generated. Be sure to turn off Wi-Fi router beforehand. Do not charge Internal Battery in such places.

Gases may ignite.

Using Wi-Fi router near petrochemicals or other flammables may cause fire or explosion.



Prohibited

Do not drop/throw Wi-Fi router or expose it to excessive shock.

May cause malfunction.



Compulsory

If you notice an unusual sound, odor, smoke, etc. while using or storing Wi-Fi router, immediately turn PC power off.

Continued use may cause fire or electric shock.



Prohibited

Keep liquids (water, pet urine, etc.) and conductive materials (e.g. pencil lead, metal fragments, metal necklaces, hairpins, etc.) away from External Device Port.

May cause short circuit, resulting in fire or malfunction.

⚠ CAUTION

Prohibited

Do not place Wi-Fi router on an uneven or unstable surface.

Wi-Fi router may fall, leading to injuries or Wi-Fi router malfunctions.



Compulsory

Keep Wi-Fi router out of reach of infants.

Failing to do so may result in small parts being accidentally swallowed or may cause injury.



Compulsory

When a child uses Wi-Fi router, parental supervision is advised.

Provide child with proper instructions. Failing to do so may cause injury, etc.

Wi-Fi Router**⚠ DANGER**

Prohibited

Do not dispose of Wi-Fi router in fire.

May cause Internal Battery to leak, rupture or ignite.



Prohibited

Do not damage (nail, hammer, stomp, etc.) Wi-Fi router or subject it to strong impacts/shocks.

May cause Internal Battery to leak, overheat, rupture or ignite.



Compulsory

If Internal Battery fluid gets into eyes, immediately rinse with clean water and consult a doctor. Do not rub eyes.

Failing to do so may result in loss of eyesight.

⚠ WARNING

Prohibited

Do not sit down with Wi-Fi router in your trousers pocket.

Excess weight may damage Display, Internal Battery or other parts resulting in overheating, fire or injury.



Compulsory

Keep Wi-Fi router power off near high precision electronic devices or devices using weak signals.

Wi-Fi router may cause these devices to malfunction.

Devices that may be affected:

Hearing aids, implanted cardiac pacemakers, implanted defibrillators and other electronic medical equipment; fire alarms, automatic doors and other automatic control devices.



Compulsory

Keep Wi-Fi router power off aboard aircraft.

When in-flight use is permitted, observe airline instructions.



Compulsory

If thunder is heard while outside, immediately seek shelter.

Failing to do so may attract lightning and cause electric shock.



Compulsory

If Internal Battery fluid gets on your skin or clothing, immediately stop Wi-Fi router use and rinse with clean water.

Internal Battery fluid may harm your skin.



Compulsory

If Internal Battery is not fully charged even after specified charging time, stop charging.

Internal Battery may leak, overheat, rupture or ignite.



Compulsory

Keep Wi-Fi router away from pets.

Bites may cause Internal Battery to leak, overheat, rupture or ignite, or cause device malfunction or fire.

⚠ CAUTION

Compulsory

Do not dispose of Internal Battery as municipal waste.

Bring used Internal Battery to a SoftBank Shop.



Prohibited

Do not use Wi-Fi router in a vehicle if it affects in-vehicle electronic devices.

Use of Wi-Fi router in some types of vehicles may, in some rare cases, affect in-vehicle electronic devices and interfere with safe driving.



Compulsory

If skin abnormality occurs with use of Wi-Fi router, immediately discontinue use and consult a doctor.

Wi-Fi router contains metals, etc. Depending on your physical condition, you may experience itchiness, rash, etc. For more information, see [Materials](#).



Prohibited

Keep magnetic cards, etc. away from Wi-Fi router.

Failing to do so may cause magnetic data on a cash card, credit card, telephone card or floppy disk to be lost.



Compulsory

Wi-Fi router may become hot during prolonged use, especially in warm surroundings.

Skin contact for extended period may cause low-temperature burns.

USIM Card & SD Card

CAUTION



Do not insert objects other than SD Card into SD Card Slot.

Doing so may cause overheating, electric shock or malfunction.



Do not subject SD Card to vibration or shock or remove it from Slot while data is being written onto or read from SD Card.

Doing so may cause data loss or malfunction.



Use only SD Card supported by Wi-Fi router.

Failing to do so may cause data loss or malfunction. Wi-Fi router supports SD Card with a storage capacity of up to 32 GB.



Do not use excessive force when installing or removing USIM Card.

Doing so may cause a malfunction. Be careful not to injure a hand or finger when removing USIM Card.



Install specified USIM Card only.

Using other USIM cards may cause malfunction/data loss.



Contact with IC chip on USIM Card is a potential cause of data loss or failure. Please avoid unnecessary contact.



Although USIM Card may become warm while using Wi-Fi router, this is not a malfunction. Please use as it is.

AC Charger & Micro USB Cable

WARNING



Do not cover or wrap with clothing or bedding during charging.

Heat may build up resulting in fire or malfunction.



Use the specified power supply and voltage.

Failing to do so may cause fire or malfunction.

AC Charger: 100 to 240 V AC (for household AC outlets only)

Also, do not use commercially available voltage converters, as when traveling.

May cause fire, electric shock or malfunction.



Hold plug and unplug AC Charger from outlet before extended periods of Wi-Fi router disuse.

Failing to do so may cause electric shock, fire or malfunction.



If liquid (water, pet urine, etc.) gets into AC Charger, immediately hold plug and unplug AC Charger from outlet.

Failing to do so may cause electric shock, smoke emission or fire.



If dust accumulates on AC Charger plug, hold plug and unplug AC Charger from outlet and wipe with a dry cloth.

Failing to do so may cause fire.



When plugging AC Charger into outlet, keep conductive materials (pencil lead, metal parts, necklaces, hair pins, etc.) away from AC Charger plug/Micro USB Cable terminals and plug AC Charger firmly into outlet.

Failing to do so may cause electric shock, short circuit, fire, etc.



Do Not Use
Wet Hands

Do not plug/unplug AC Charger with wet hands.

May cause electric shock or malfunction.



Prohibited

If thunder is audible, do not touch AC Charger.

May cause electric shock.



Compulsory

Supplied Micro USB Cable is only for charging Wi-Fi router. Do not use the charging equipment of third-party products.

If any damage such as short-circuiting, fire or failure has occurred by using supplied Micro USB Cable for charging the third-party products, SoftBank Mobile is not liable for any damages resulting from the use of this cable. Use a cable that a mobile phone or smartphone specifies when charging them from Wi-Fi router.

CAUTION



Disconnect
Power Source

Firmly hold plug and unplug AC Charger from outlet before cleaning.

Failing to do so may cause electric shock.



Compulsory

Do not unplug AC Charger by pulling the cord. Firmly hold plug and unplug AC Charger.

Pulling the cord may damage the cord resulting in electric shock or fire.



Compulsory

Use AC Charger in an environment of $-10\text{ }^{\circ}\text{C}$ to $+45\text{ }^{\circ}\text{C}$ ambient temperature and 5 % to 95 % humidity.



Prohibited

Do not connect at the same time Micro USB Cable to External Device Port and Power Supply Port of Wi-Fi router.

May cause malfunction.



Prohibited

When AC Charger is connected to an outlet, do not pull on cord or otherwise subject AC Charger to strong shock.

May cause injury or malfunction.



Prohibited

Do not touch Wi-Fi router with sweaty hands or place it into sweaty clothing pockets.

Sweat and humidity may erode the internal components of Wi-Fi router and cause overheating or malfunction.



Prohibited

Do not pull, bend with excessive force or twist Micro USB Cable.

Do not damage or modify Micro USB Cable. Do not place objects on Micro USB Cable. Do not apply heat and keep Micro USB Cable away from heaters.

Damage to Micro USB Cable may cause electric shock, overheating or fire.



Prohibited

Do not use AC outlet damaged or its plug is loose.

Wi-Fi Router Use & Electronic Medical Equipment

This section is based on "Guidelines on Safeguarding Medical Equipment from Electromagnetic Waves from Mobile Phones and Other Devices" (Electromagnetic Compatibility Conference Japan), and "Research Report on the Influence of Electromagnetic Waves on Medical Equipment" (Association of Radio Industries and Businesses, March 2001).

WARNING



Compulsory

Keep Wi-Fi router a minimum of 15 centimeters away from implanted cardiac pacemakers or implanted defibrillators.

Radio waves may interfere with the operation of implanted cardiac pacemakers or implanted defibrillators.



Compulsory

When using electronic medical equipment (other than implanted cardiac pacemakers/defibrillators) outside of medical institutions, consult device manufacturer about the influence of radio waves.

Radio waves may interfere with the operation of electronic medical equipment.



Compulsory

Wi-Fi router radio waves may affect electronic medical equipment. Observe these guidelines in medical institutions:

- Do not bring Wi-Fi router into an operating room, ICU (Intensive Care Unit) or CCU (Coronary Care Unit).
- Turn off Wi-Fi router in hospital wards.
- Turn off Wi-Fi router even in lobbies or areas where use is permitted if there is electronic medical equipment nearby.
- Observe the instructions of individual medical institutions and do not use or bring Wi-Fi router into prohibited areas.



Compulsory

There may be wearers of medical equipment such as implanted pacemakers or defibrillators around you. When you are in a crowd etc. and you have difficulties to keep a distance of 15 cm or more from others, power off Wi-Fi router.

Radio waves may interfere with the operation of implanted cardiac pacemakers or implanted defibrillators.

General Notes

General Use

- With the exception of specialized models, SoftBank 4G services are unavailable.
 - Wi-Fi router accommodates software updates. Use the latest software.
 - Wi-Fi router employs radio waves. Signals may be disrupted even within service areas if you are indoors, underground, inside a tunnel or inside a vehicle. If you move to a location with poor signal strength, a call may be suddenly cut off.
 - When using Wi-Fi router in public places, take care not to annoy other people around you. Use of Wi-Fi router is prohibited in some public places such as in theaters or on buses and trains.
 - Wi-Fi router is a wireless station under Japanese Radio Law. You may be requested to submit your Wi-Fi router for inspection based on this law.
 - Data stored on Wi-Fi router may be corrupted or lost on the following occasions:
 - Wi-Fi router is used improperly.
 - Wi-Fi router is exposed to static electricity or electrical noise.
 - Wi-Fi router is turned off during operation.
 - Wi-Fi router malfunctions or is sent for repairs.
- SoftBank accepts no liability whatsoever for the corruption or loss of stored data. Be sure to keep a separate memo of important data to limit damage caused by data corruption or loss to a minimum.
- If using a WLAN device abroad, configuration changes based on the law of the country are required. Confirm user manual for the settings.
 - Connection speed may drop or connections may not be established depending on line traffic or connection environments.
 - Do not use Wi-Fi router in or near places where explosives are handled. Wi-Fi router use may lead to an explosion, or affect explosion devices.
 - Wi-Fi router USIM Card cannot be used with some mobile devices (including previously sold SoftBank models).
 - Since Wi-Fi router and AC Charger might get hot while charging or while being used for prolonged periods, contact with the skin for a long time may result in low-temperature burns. Be careful in handling.

Handling

- Avoid exposing Wi-Fi router to rain, snow or high humidity. Wi-Fi router is not waterproof.
- Do not use Wi-Fi router in extreme temperatures, direct sunlight or humid or dusty places.
- Do not drop Wi-Fi router or subject it to excessive shock.
- To clean Wi-Fi router, wipe it with a dry soft cloth. Do not use alcohols, thinners, benzene or other solvents. Doing so may cause discoloration and remove the print.

Wi-Fi (Wireless LAN)

- Precautions
 - Do not use Wi-Fi (WLAN) near devices emitting electromagnetic waves such as electrical appliances or AV/OA equipment.
 - Electromagnetic noise (e.g. from microwave ovens) may impair or disable communications.
 - Using Wi-Fi (WLAN) near a TV or radio, etc. may cause interference/impair signal reception.
 - If multiple Wi-Fi (WLAN) access points in close vicinity are using the same channel, search may fail.
- Wireless Frequencies & Modulations
 - Wi-Fi frequency that Wi-Fi router uses is as follows.



Items	Descriptions
2.4	2400 MHz range
DS/OF	DSSS or OFDM modulation
4	Maximum interference range of 40 m
	Utilizes 2400 - 2483.5 MHz band with mobile device bandwidth differentiation

- 1 Available channels vary depending on the country.
- 2 For use aboard aircraft, contact the airline beforehand.
- 3 If using WLAN abroad, confirm usable frequency, laws and regulations in that country.

· 2.4 GHz Device Cautions

Wi-Fi (WLAN) device operating frequency band is used by industrial, scientific, consumer and medical equipment including microwave ovens, premises radio stations for identifying mobile units used in manufacturing lines (radio stations requiring a license), specified low power radio stations (radio stations requiring no license) and amateur radio stations (radio stations requiring a license).

1. Before using the device, confirm that premises radio stations for identifying mobile units, specified low power radio stations and amateur radio stations are not being operated nearby.
2. If the device causes harmful radio interference to premises radio stations for identifying mobile units, immediately change the frequency band or stop use, and move to another location to avoid crosstalk (e.g. wall partitions, etc.).

· WLAN Usage Security Precautions

Using Wi-Fi router without setting security increases risk of data interception. Wi-Fi router security is set by default. SoftBank recommends changing default security settings to enhance data safety. For more information on security settings, see this guide or Wi-Fi device guide.

- Beware that due to Wi-Fi (WLAN) specifications, security settings can still be compromised by special means.
- For assistance with security settings, contact [Customer Service](#).
- SoftBank cannot be held liable for WLAN security issues.

RF Exposure Information/Specific Absorption Rate (SAR) Information

Specific Absorption Rate (SAR) Information for this Product

- This product "203Z" meets international guidelines on radio wave protection.

This product is designed to abide by permitted levels for radio wave protection as recommended by international guidelines. These international guidelines are set forth by the World Health Organization in cooperation with the ICNIRP**, and the permitted levels provide a sufficient safety margin regardless of age and health of the user. International guidelines define the permitted levels of exposure for radio wave protection by an averaged Specific Absorption Rate, or SAR.

The SAR limit for this communication terminal is 2.0 watts/kilogram (W/kg). The highest SAR value for this product is 0.584 W/kg when used in the following prescribed manner. While there may be differences between the SAR levels of individual products, all products meet the permitted levels.

- Use close to the body

To use this product close to the body, maintain a separation of 1.0 cm from the body. This will ensure this product meets international guidelines on 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."

*A method of measuring SAR when a mobile phone is used at positions other than at the ear was established in March 2010 through an international standard (IEC62209-2).

International Commission on Non-Ionizing Radiation Protection.

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/index02.html> (Japanese)

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. at the ear and 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 worn on the body in a holder or carry case, is 0.51 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 Q78-MF98PUSH.

Additional information on Specific Absorption Rates (SAR) can be found on FCC Radio Frequency Safety website at <http://transition.fcc.gov/oet/rfsafety/>.

Electromagnetic Safety

For body worn operation, this mobile phone has been tested and meets RF exposure guidelines when used with an accessory containing no metal and positioning the handset a minimum 10 mm from the body. Use of other accessories may not ensure compliance with RF exposure guidelines.

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 as described in this User Guide. In this case, the highest tested SAR value is 1.46 W/kg**. As SAR is measured utilizing the devices highest transmitting power the actual SAR of this device while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to reach the network.

The World Health Organization has stated that present scientific information does not indicate the need for any special precautions for the use of mobile devices. 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.

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

**A method of measuring SAR when a mobile phone is used at positions other than at the ear was established in March 2010 through an international standard (IEC62209-2). MIC technical regulation was reported in October 2011 by the Information and Communications Council.

- World Health Organization

<http://www.who.int/emf>

- List of Specific Absorption Rates (SAR) for radio waves

<http://mb.softbank.jp/mb/support/sar/>

(Japanese)

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