



102Z User Guide

102Z 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

In this guide, SoftBank 102Z is referred to as "Wi-Fi router."
microSD™/microSDHC™ Card is referred to as "Memory Card."

Operating Environment

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

- For PC support, OS version upgrade information, etc., see corresponding manufacturer's product support documentation.
- The information for operating environment (compatible OS) listed here is the current information for Wi-Fi router sold as of August 2012. Check [ZTE Japan Customer Support Website \(Japanese\)](#) for the latest information in regards to operating environment.

Items	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 Enterprise (32-bit or 64-bit)	
Windows 7 Ultimate (32-bit or 64-bit)	
Mac OS X 10.5 to 10.7	
Compatible OS includes both English and Japanese versions.	
Available Hard Disk Capacity	50 MB required (100 MB+ recommended)
Recommended Resolution	1024 x 768 or higher
Compatible Browser	Microsoft Internet Explorer 7.0 or later (except Microsoft Internet Explorer 10)
	Mozilla Firefox 3.0 or later
	Safari 4.0 or later
	Opera 10.0 or later
	Google Chrome 10.0 or later

Package Contents

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

Keep accessories including Warranty in a safe place. Wi-Fi router has an unremovable Internal Battery.

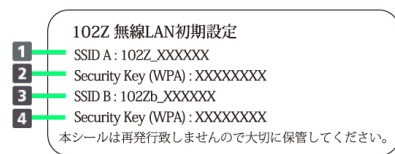
- 102Z
- AC Charger (ZECAP1)
- Micro USB Cable (ZEDAD1)
- クイックスタート (Japanese)
- Warranty (Wi-Fi router, AC Charger)
- WLAN Initialization Sticker
- お願いとご注意 (Japanese)

Factory Default Settings

When connecting Wi-Fi (WLAN) 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.



- 1 SSID A
- 2 SSID A Security Key (WPA)
- 3 SSID B
- 4 SSID B Security Key (WPA)

Usage Basics

- With the exception of specialized models, SoftBank 4G services are unavailable.
- 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 Wi-Fi (WLAN) overseas, change the settings according to the laws of those countries.

Trademarks

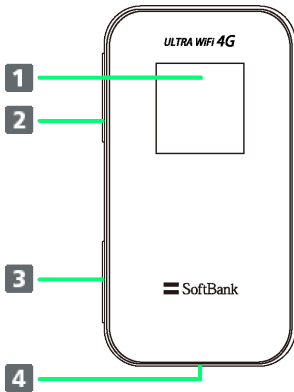
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Getting Started

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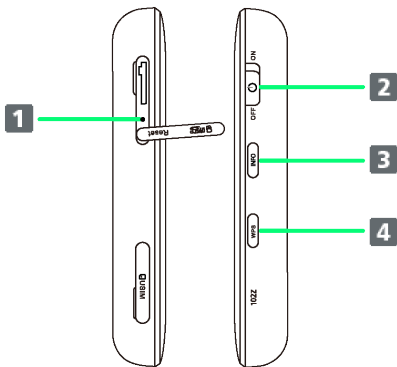
Parts & Functions




Wi-Fi Router



Parts	Description
1 Display	Wi-Fi router status appears
2 Memory Card Slot	Install Memory Card
3 USIM Card Slot	Install USIM Card
4 External Connection Port	Insert Micro USB Cable

Keys



Parts	Description
1 Reset Key	Press to reset settings to default
2 Power Key ()	Toggle power on/off
3 INFO Key ()	Press for URL of SoftBank 102Z Utility Long Press for version of software When disconnected from Internet, Press/ Long Press to re-establish a connection
4 WPS Key ()	Press to toggle connect/disconnect Long Press for WPS (Wi-Fi Protected Setup) function

Key Operation

WPS Key

Press to simply adjust Wi-Fi (WLAN) settings for WPS compatible Wi-Fi (WLAN) devices. See "[Connecting WPS Supported Wi-Fi Devices.](#)"

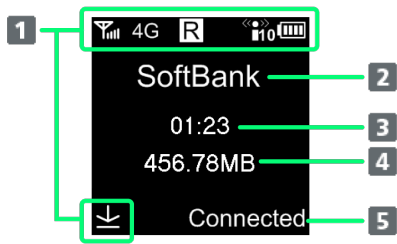
WPS functions are unavailable with the default settings. Change the authentication method to use the functions. See "[Configuring Settings for Connecting WPS Supported Wi-Fi Devices.](#)"

Length of Time for Pressing Keys

Response time for key operation is adjusted to prevent Wi-Fi router from malfunctioning in a bag, pocket, etc. Press keys firmly. For Long Press, hold keys longer than usual.

Display

Display



- 1 Notification Indicators
- 2 Status Notifications
- 3 Connection Time
- 4 Data Transfer Volume
- 5 Connection Status

Notification Indicators

Notification Indicators	Description
	Reception level
	No signal
	SoftBank 3G Area available
	SoftBank 4G Area available
	Internet Wi-Fi available/Wi-Fi signal level
	Appears when roaming
	Connected Wi-Fi (WLAN) devices
	Wi-Fi disabled
	Battery is full
	Battery is low
	No battery (charging is required)
	Software update is available (when Automatic Update/Install is set to OFF)

Status Notifications

Notifications	Description
SoftBank	Network operator name
WPS Processing	Configuring WPS connection
WPS Succeed	WPS connection is established
WPS Active	WPS connection is active
WPS Failed	WPS connection failed
Connecting	Attempting to establish Internet connection
No Service	Signal is detected, but service is unavailable (immediately after moving into the service area from outside the service area, etc.)
Out of Service	No Signal
Insert USIM	USIM Card is not installed
Invalid USIM	Invalid USIM Card is installed
Enter PIN	PIN entry is required
Enter PUK	PUK entry is required
USIM Busy	Reading from/writing to USIM Card
USIM Lock	USIM Card is locked
Low Battery	Battery is low; Charge now
No Battery	No battery; Charge now

Connection Status

Show status of connection to 3G/4G.

For Internet Wi-Fi, regardless of the connection status, "Disconnected" appears.

Notifications	Description
Connected	Connected to Internet
Disconnected	Disconnected from Internet

Sleep Mode

If Wi-Fi router is not used for a while, Display turns off automatically. Press any key to illuminate Display.

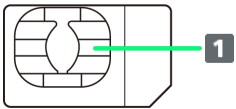
- If there have been no transmissions or operation of Wi-Fi router, or if Battery has not been charged, Wi-Fi router enters Sleep mode to save power.
- Sleep mode disables Internet connection. Press any key to cancel Sleep mode and re-establish a connection.
- Time for recovering network connection varies by environment, settings, etc.
- Set sleep activation timer. See "[Sleep Timer Setting \(Sleep Mode\)](#)."

USIM Card

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

USIM Card

- SoftBank Mobile 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 adhere labels on USIM Card. May cause damage.
- See USIM Card user guide (Japanese).
- USIM Card is the property of SoftBank Mobile.
- Reissue of USIM Card due to loss or damage incurs a charge.
- Return USIM Card when canceling contract.
- 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 is not liable for damages resulting from accidental loss of saved information.
- Be sure to request an urgent suspension of use if USIM Card or Wi-Fi router with USIM Card is stolen/lost. Contact "[SoftBank Customer Support](#)," General Information for details.
- Be sure to power off to install/remove USIM Card.



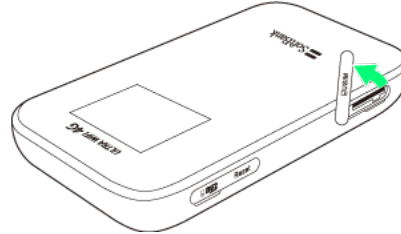
1 IC Chip

Installing USIM Card

Be sure to power off to perform the following steps.
Install specified USIM Card only.

1

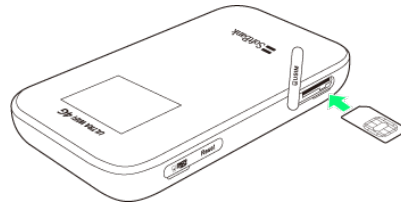
Open USIM Card Slot Cover



- Use notch at the bottom side of Slot to lift Cover.

2

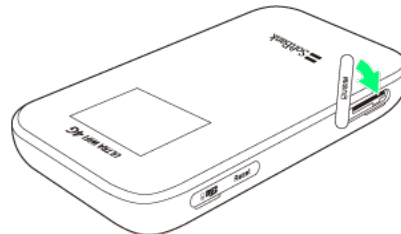
Install USIM Card



- With gold IC chip up, gently install USIM Card until it clicks.

3

Replace USIM Card Slot Cover



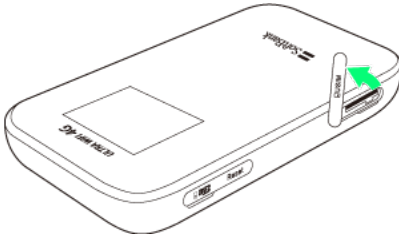
- Close Cover completely leaving no gaps.

Removing USIM Card

Be sure to power off to perform the following steps.

1

Open USIM Card Slot Cover



· Use notch at the bottom side of Slot to lift Cover.

2

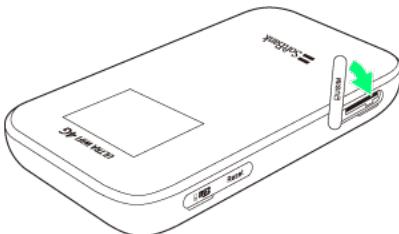
Remove USIM Card



· Push USIM Card until it clicks, then pull it out as shown.

3

Replace USIM Card Slot Cover



· Close Cover completely leaving no gaps.

Memory Card

With Memory Card, Wi-Fi router can be used as USB Flash Memory from PC connected with Micro USB Cable.

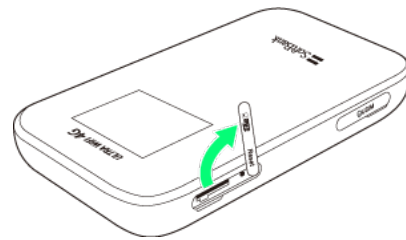
Wi-Fi router accepts Memory Cards up to 32 GB. SoftBank does not guarantee compatibility with all Memory Cards.

Installing Memory Card

Be sure to power off to perform the following steps.

1

Open Memory Card Slot Cover



· Use notch at the bottom side of Slot to lift Cover.

2

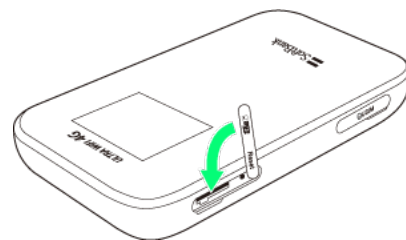
Install Memory Card



· With contacts up, gently install Memory Card until it clicks.

3

Replace Memory Card Slot Cover



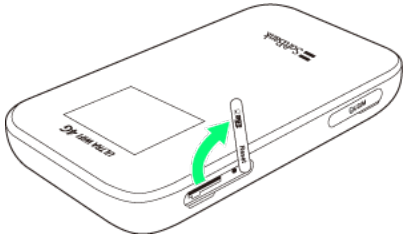
· Close Cover completely leaving no gaps.

Removing Memory Card

Be sure to power off to perform the following steps.

1

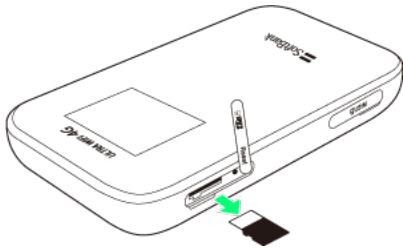
Open Memory Card Slot Cover



· Use notch at the bottom side of Slot to lift Cover.

2

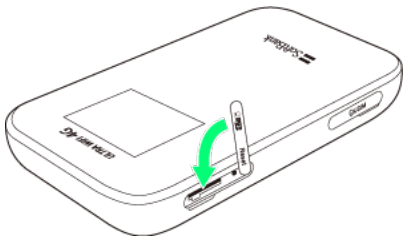
Remove Memory Card



· Push Memory Card until it clicks, then pull it out as shown.

3

Replace Memory Card Slot Cover



· Close Cover completely leaving no gaps.

! Memory Card Usage Precautions

Installing/Removing Memory Card

Do not use excessive force when installing/removing Memory Card; may hurt hands and fingers or damage Memory Card.

Do not install Memory Card with excessive force. Do not misplace a removed Memory Card.

Data Backup

Data saved to Memory Card may be lost or altered due to accidents or malfunctions. Keep a copy of important data. SoftBank Mobile is not liable for damages resulting from accidental loss or alteration of data.

Operations While Reading/Writing Data

Never power off while reading/writing data.

Battery Strength

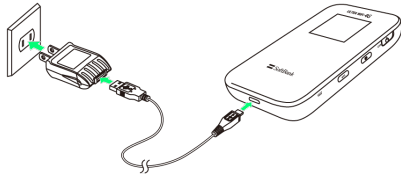
Data may not be read/written correctly if Battery is low.

Charging Battery

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

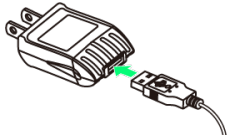
Using AC Charger

Use specified AC Charger and Micro USB Cable.



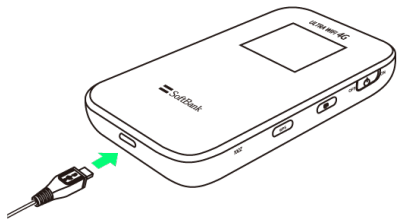
1

Insert USB plug of Micro USB Cable into AC Charger



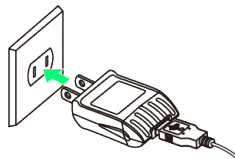
2

Insert Micro USB plug of Micro USB Cable into Wi-Fi router External Connection Port



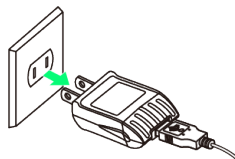
3

Plug AC Charger into AC outlet



4

When complete, unplug AC Charger

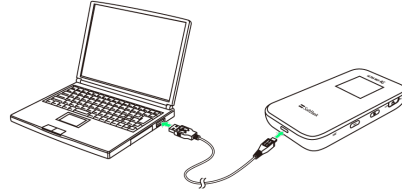


- Unplug AC Charger from AC outlet.

Using Micro USB Cable

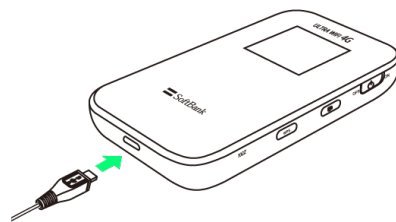
Use supplied Micro USB Cable.

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



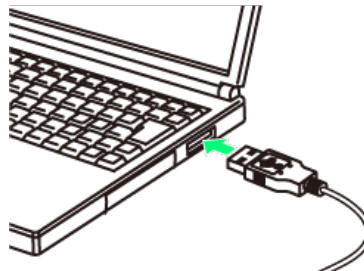
1

Insert Micro USB plug of Micro USB Cable into Wi-Fi router External Connection Port



2

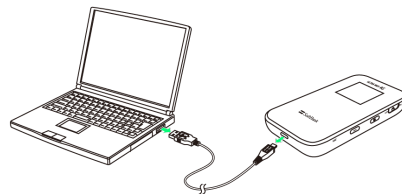
Insert USB plug into PC USB Port



- Upon connecting the first time, device drivers are installed automatically. See "[Setup for Windows PC.](#)"

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 5 °C - 35 °C. Do not charge in places where there is high humidity. USB charging may be unavailable depending on Wi-Fi router temperature.

Use Specified Accessories

Always use supplied AC Charger or Micro USB Cable.

Charging Time Using Micro USB Cable

Charging using Micro USB Cable takes longer than using AC Charger. Charging completion times vary depending on 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.


Extended Use

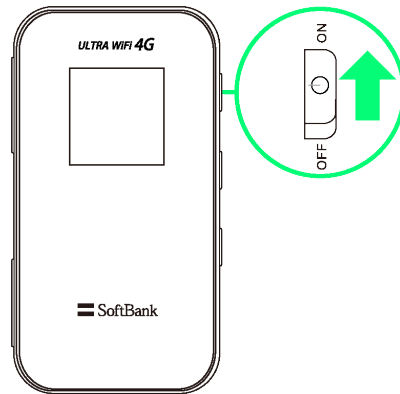
Wi-Fi router may become hot when used for a long time or while charging, especially in high ambient temperatures. Prolonged contact with skin may cause low temperature burn injuries.


Power On/Off

Power On

1

Slide  to ON




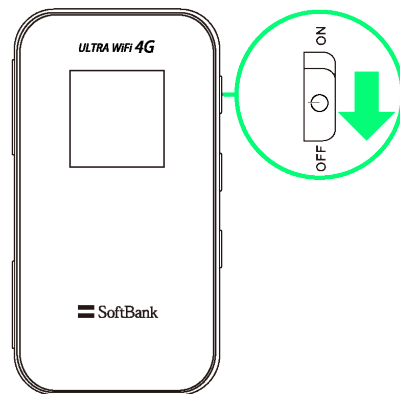
 Wi-Fi (WLAN) function activates and connects automatically to Internet.


- SoftBank Wi-Fi Spot setting window appears after powering on for the first time. See "[Connecting to SoftBank Wi-Fi Spot](#)" for settings.

Power Off

1


Slide  to OFF




 Wi-Fi router shuts down a few seconds after "Power Off ..." appears.

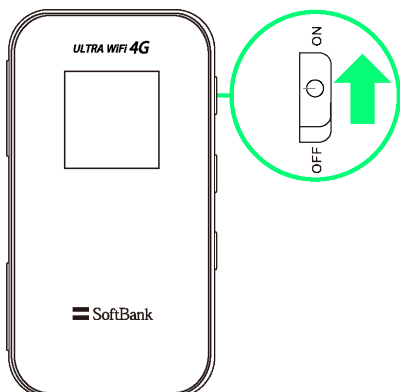
- Confirm that the power is off before powering on again.

Restart




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

1

Slide  to ON



2

Press and Hold  and  simultaneously 
Release your fingers after a short while

 Wi-Fi router restarts.




- Restarting does not reset settings.

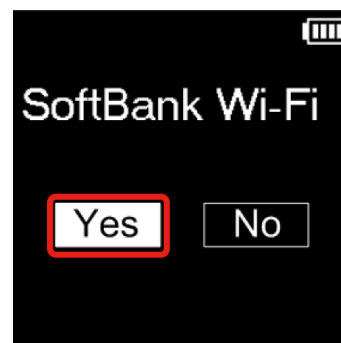
Connecting to SoftBank Wi-Fi Spot


Connecting to SoftBank Wi-Fi Spot





When powering on the first time, or when SoftBank Wi-Fi Spot connection is not set, SoftBank Wi-Fi Spot setting window appears. Set up SoftBank Wi-Fi Spot connection in this window. Once it is set up, Wi-Fi router automatically connects to SoftBank Wi-Fi Spot according to Network Priority setting.

1


Confirm that  is selected  





 Enter Login Password window appears.

- If skipping this setting, Press  to select 
 


2

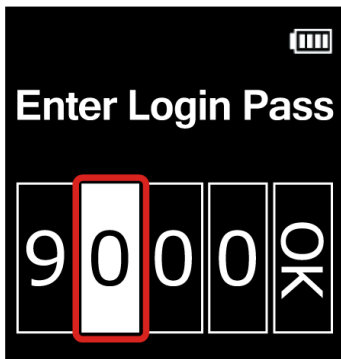
Press  to enter password



- Press  to toggle numbers.
- Press  firmly until number is changed.

3



Press  to move to next box




4

Repeat steps [2](#) to [3](#) to enter four-digit password

5

Confirm password   in the last box (OK)

 Login password for SoftBank Wi-Fi Spot is set and the normal screen appears.

· Press  to return to the first box.

SoftBank Wi-Fi Spot Setting

Initial Password

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

Configuring Setting Later

If configuring setting later, perform from SoftBank 102Z Utility. See "[Internet Wi-Fi](#)."

Default Setting

SoftBank Wi-Fi Spot function is active by default. See "[Internet Wi-Fi](#)" for changing settings.

SoftBank Wi-Fi Spot Usage Precaution

With SoftBank 102Z Utility, when Internet Wi-Fi functions (including SoftBank Wi-Fi Spots) are activated from being inactive, Wi-Fi (WLAN) connections for PCs, game devices, smartphones, etc. are momentarily disconnected, and then reconnected.

Using Wi-Fi (WLAN)

Wi-Fi (WLAN).....	16
Activating Wi-Fi (WLAN) Function.....	16
Connecting Windows PC.....	17
Connecting Mac.....	20
Connecting iPhone/iPad.....	21
Connecting Smartphone.....	24
Connecting Nintendo 3DS/DSi LL/DSi/DS.....	25
Connecting PS Vita/PSP®.....	31
Connecting PS3®.....	35
Connecting WPS Supported Wi-Fi Devices.....	37

Wi-Fi (WLAN)

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 easily configures WLAN connection settings on any WPS compliant WLAN device.

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

See supplied WLAN Initialization Sticker for SSID and WPA Keys.

This section describes how to set up initial WLAN connection to Nintendo 3DS, 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 a Wi-Fi (WLAN) device.

Wi-Fi (WLAN)

Advanced Settings

Change WLAN settings as required. See "[Overview of SoftBank 102Z Utility](#)."

Simultaneous Connection

Use Wi-Fi router to connect up to ten Wi-Fi (WLAN) devices simultaneously. When Internet Wi-Fi is active, connect up to nine Wi-Fi (WLAN) devices.

Wi-Fi (WLAN) Usage Cautions


For added security, change default SSID or Security Key (WPA).

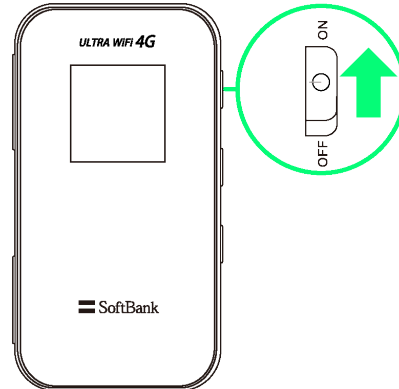
Activating Wi-Fi (WLAN) Function


Power on to connect to Internet automatically. Wi-Fi router connects to Internet Wi-Fi (including SoftBank Wi-Fi Spot), 4G, and 3G, in that order. Use SoftBank 102Z Utility to select network to connect to. See "[Overview of SoftBank 102Z Utility](#)."

Connecting to 3G/4G

1

Slide  to ON




 Wi-Fi (WLAN) function activates and connects to Internet.

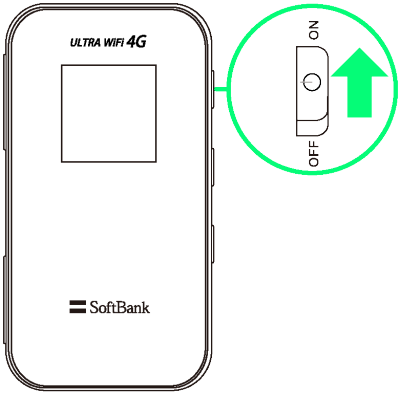
Connecting Windows PC


Operations are based on WLAN security set to WPA.

Windows 7

1

Slide  to ON



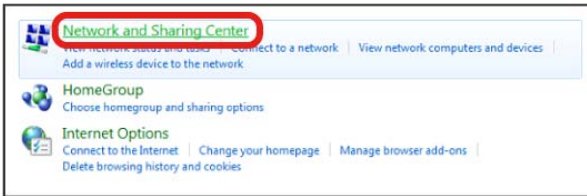
 Wi-Fi (WLAN) function activates and connects to Internet.

2

Activate PC Wi-Fi (WLAN) function

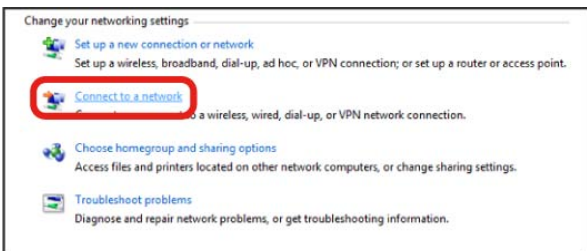
3

Start  Control Panel  Network and Internet 
Network and Sharing Center




4

Connect to a network




5

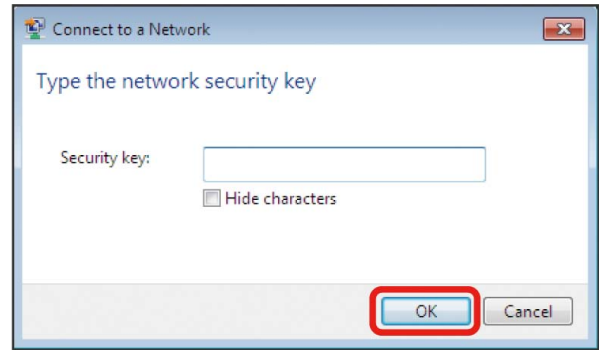
Click Wi-Fi router SSID  **Connect**






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

6

Enter Security Key correctly  **OK**


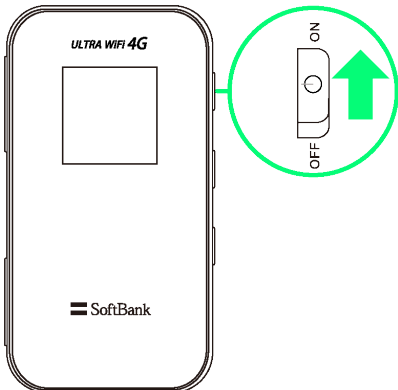



 Connected Wi-Fi (WLAN) device count on Wi-Fi router Display increases by one (e.g.  → ).

- See supplied Initialization Sticker for Security Key.

Windows Vista

1

Slide  to ON

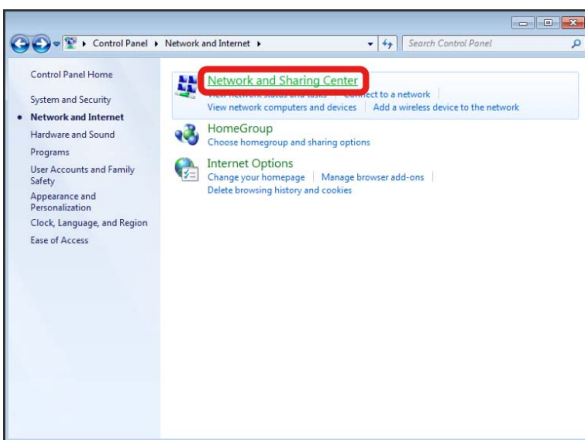
 Wi-Fi (WLAN) function activates and connects to Internet.

2

Activate PC Wi-Fi (WLAN) function

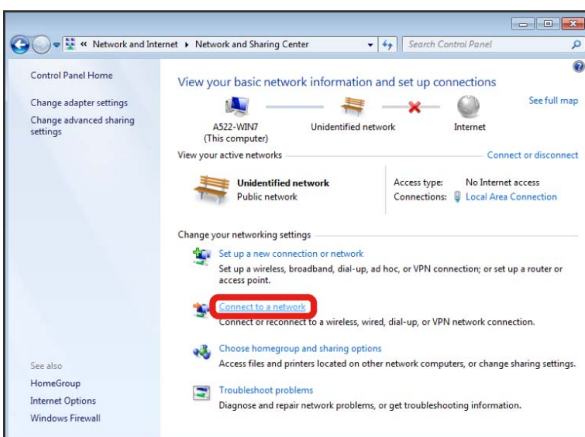
3

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



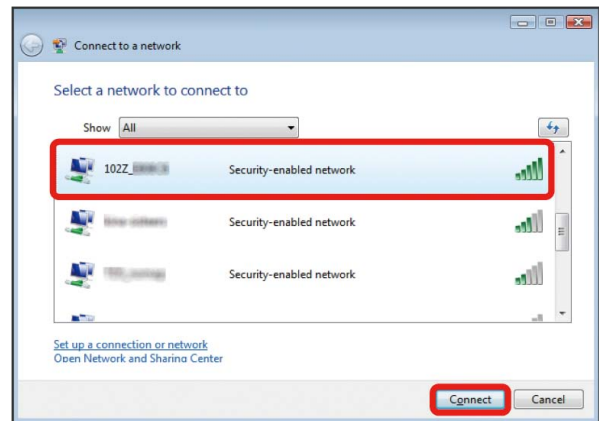
4

Connect to a network



5

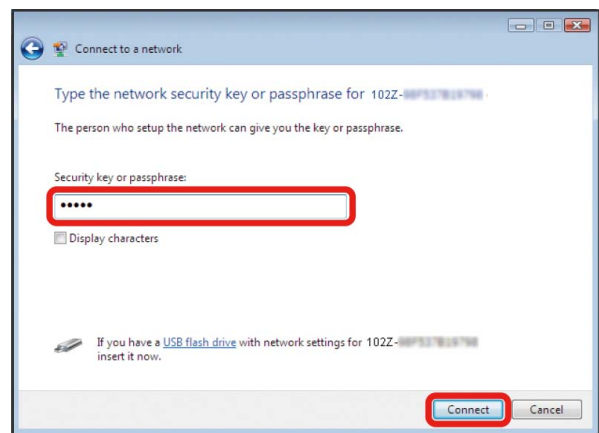
Click Wi-Fi router SSID → Connect



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

6




Enter Security Key correctly → Connect



- See supplied Initialization Sticker for Security Key.


7

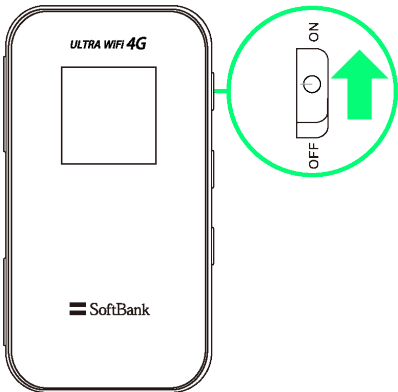
Close


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

Windows XP

1

Slide  to ON



 Wi-Fi (WLAN) function activates and connects to Internet.

2

Activate PC Wi-Fi (WLAN) function

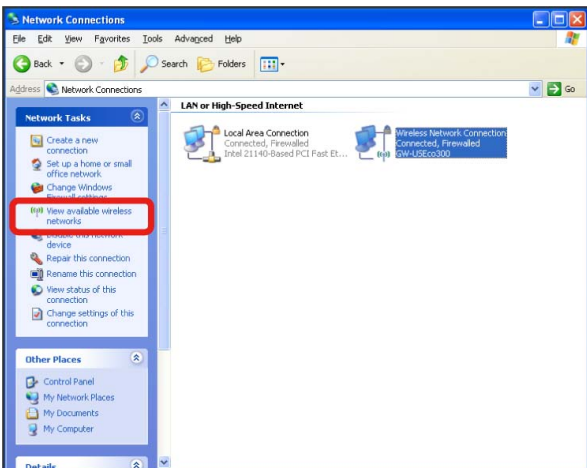
3

Click Start → Control Panel → Network and Internet → Network Connections



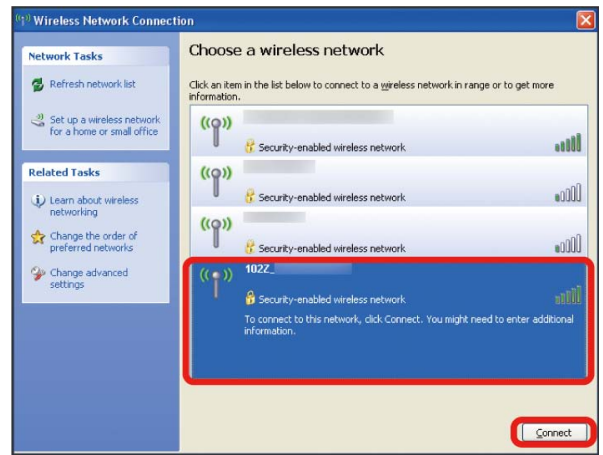
4

Wireless Network Connection → View available wireless networks from Network Tasks



5

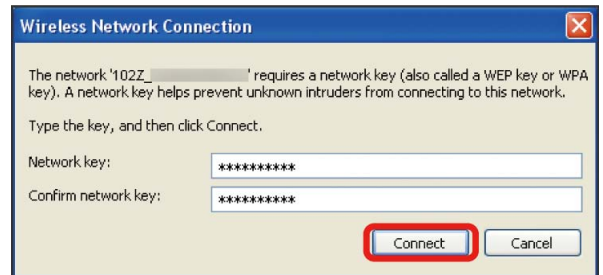
Click Wi-Fi router SSID → Connect






- See supplied Initialization Sticker for Wi-Fi router 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 Wi-Fi (WLAN) device count on Wi-Fi router Display increases by one (e.g.  → ).

- See supplied Initialization Sticker for Security Key.

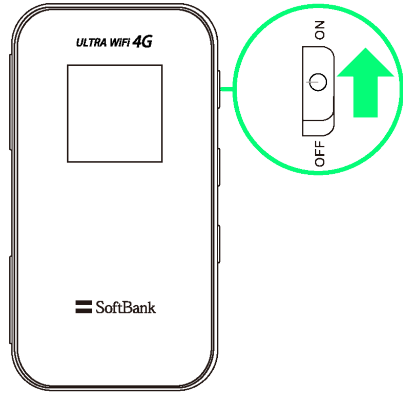
Connecting Mac

Screenshots/operations are based on Mac OS X 10.6, with WLAN security set to WPA.

Connecting Mac

1

Slide  to ON



Wi-Fi (WLAN) function activates and connects to Internet.

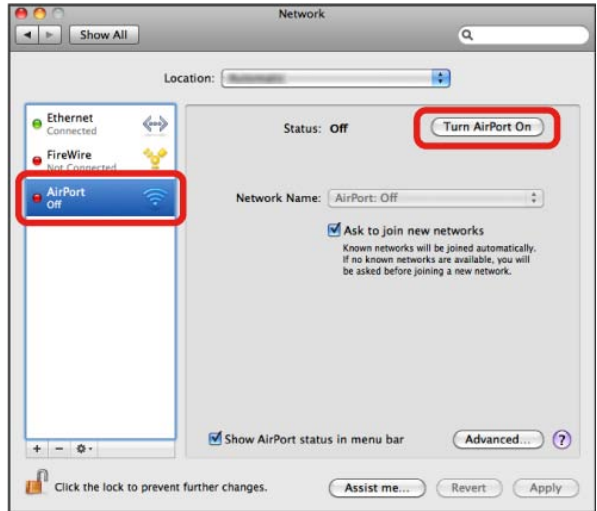
2

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



3

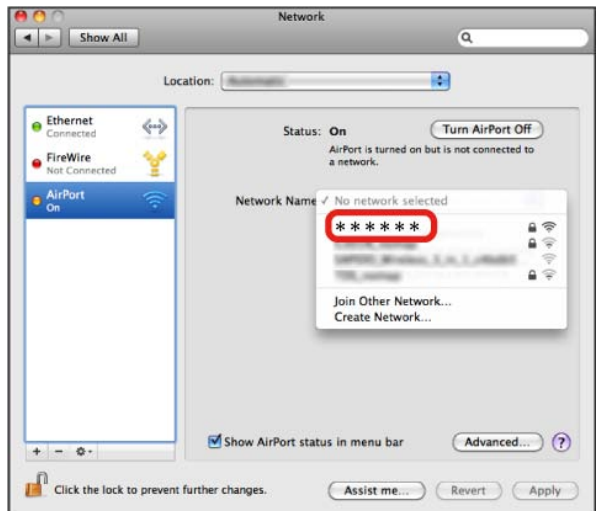
AirPort → **Turn AirPort On**



Wi-Fi (WLAN) function activates.

4

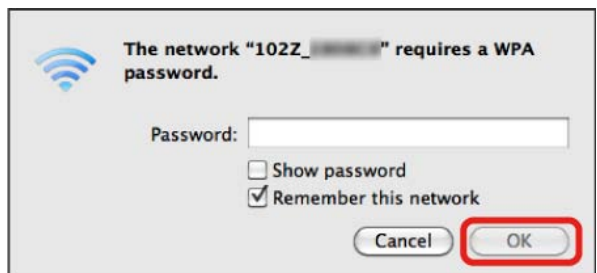
In Network Name pulldown list, select Wi-Fi router SSID



- See supplied Initialization Sticker for Wi-Fi router 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 Wi-Fi (WLAN) device count on Wi-Fi router Display increases by one (e.g.  → ).

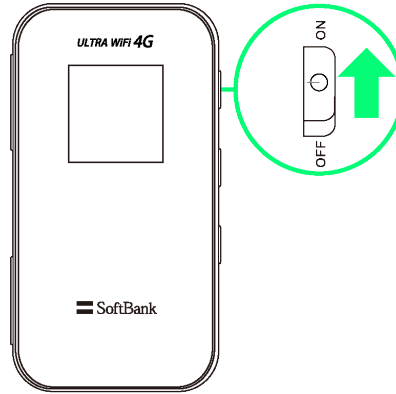
Connecting iPhone/iPad

Connecting iPhone

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

1

Slide  to ON



Wi-Fi (WLAN) function activates and connects to Internet.

2

Settings → Wi-Fi



3

OFF



Wi-Fi (WLAN) function activates.

4

In Network Name list, select Wi-Fi router SSID



5

Enter Security Key in Password correctly → Join



6


Confirm Network Name is set to Wi-Fi router SSID

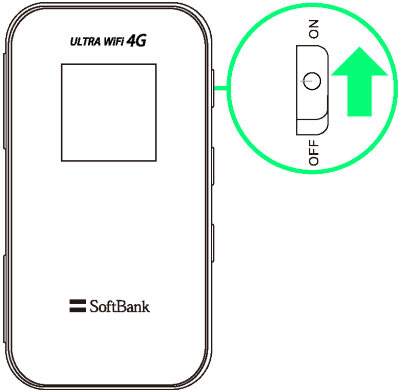
Connected Wi-Fi (WLAN) device count on Wi-Fi router
Display increases by one (e.g. 0 → 1).


Connecting iPad

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

1

Slide  to ON



 Wi-Fi (WLAN) function activates and connects to Internet.

2


Settings  Wi-Fi



3

OFF




 Wi-Fi (WLAN) function activates.

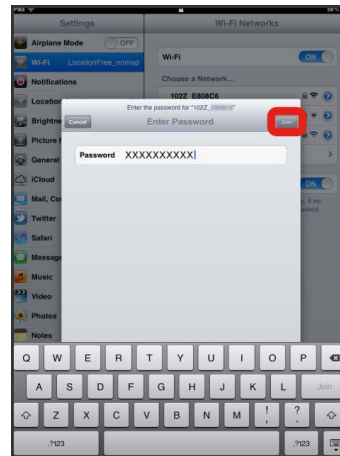
4

In Network Name list, select Wi-Fi router SSID






5

Enter Security Key in Password correctly  Join



6

Confirm Network Name is set to Wi-Fi router SSID

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

Connecting Smartphone


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

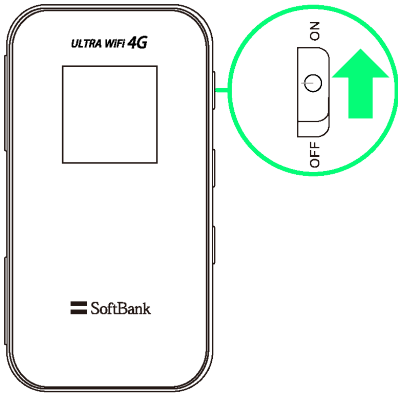
Operations vary depending on smartphone. See smartphone user guide.

Connecting Smartphone

Select a detected Wi-Fi network to connect to.

1

Slide  to ON




 Wi-Fi (WLAN) function activates and connects to Internet.

2

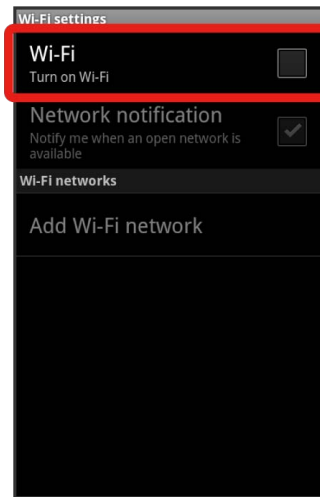
In Settings menu, **Wireless & network settings** → **Wi-Fi settings**



 Wi-Fi settings screen appears.

3

Wi-Fi ()






4

Select Wi-Fi network → Enter Security Key in **Password** → **Connect**



5

Confirm Network Name is set to Wi-Fi router SSID

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

Connecting Nintendo 3DS/DSi LL/DSi/DS


Operations are based on WLAN security set to WPA, using game software compatible with Nintendo Wi-Fi Connection for Nintendo DS series.

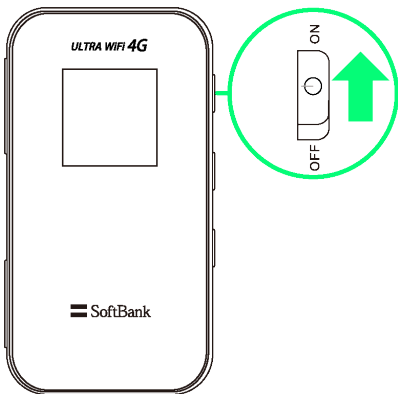
The described connection procedures are independently verified. Do not make inquiry to Nintendo Co., Ltd about descriptions given here.


Connecting Nintendo 3DS

Screenshots/operations are based on WLAN security set to WPA. Screenshots/operations may vary when security is not set to WPA. See Nintendo 3DS user guide.

1


Slide  to ON



 Wi-Fi (WLAN) function activates and connects to Internet.

2

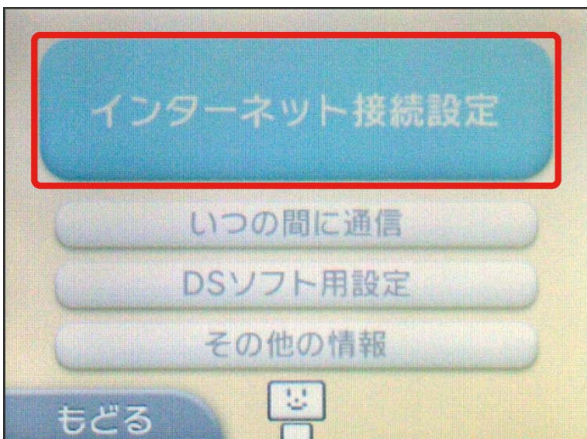
In Nintendo 3DS menu, **本体設定** → **インターネット設定**

 "Wi-Fiコネクション設定" screen appears.

· For operation, refer to each software user guide.

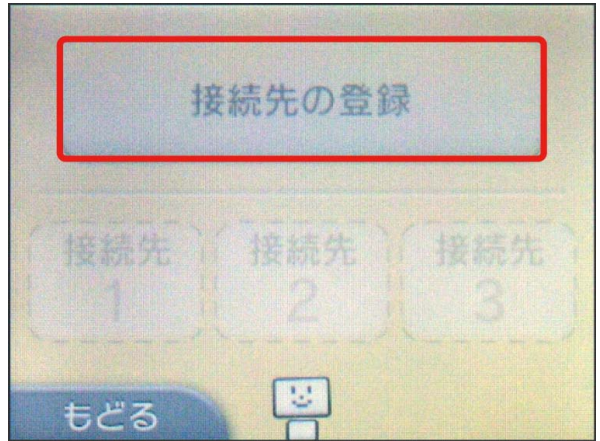
3

インターネット接続設定



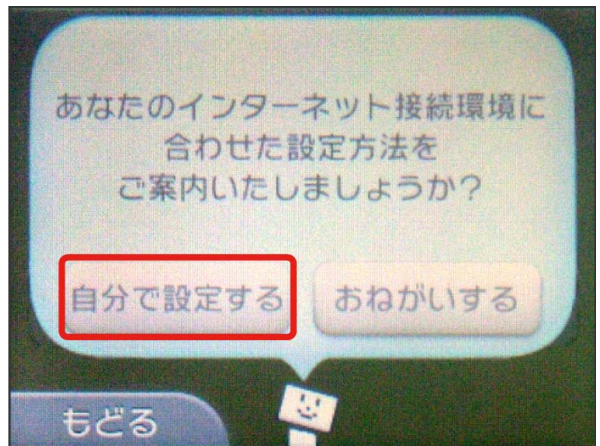
4

接続先の登録



5

自分で設定する



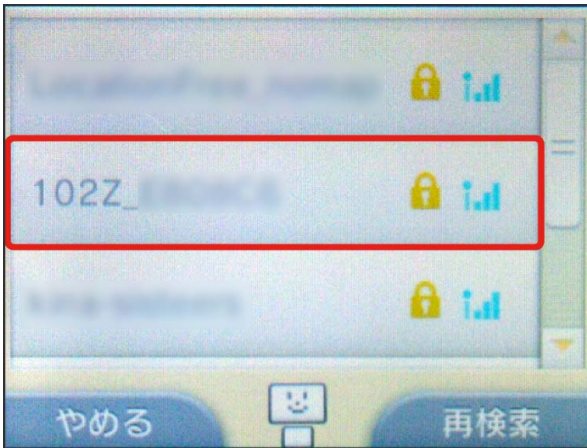
6

アクセスポイントを検索



7

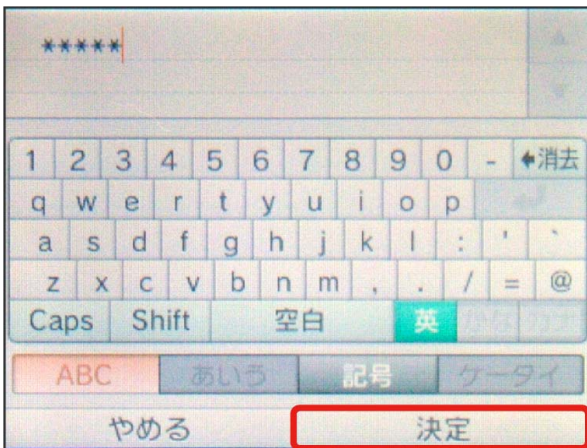
Touch Wi-Fi router SSID



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

8

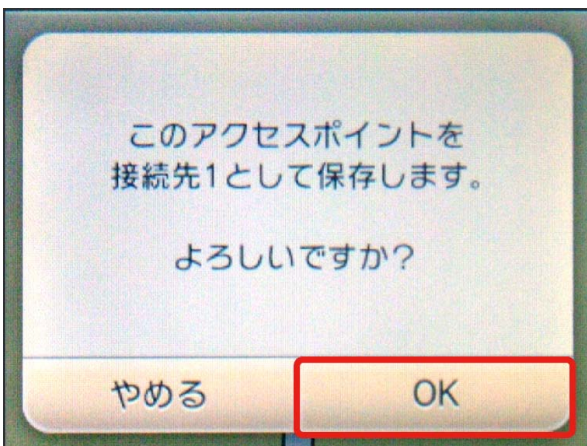
Enter WPA Key correctly → 決定



- See supplied Initialization Sticker for WPA Key.

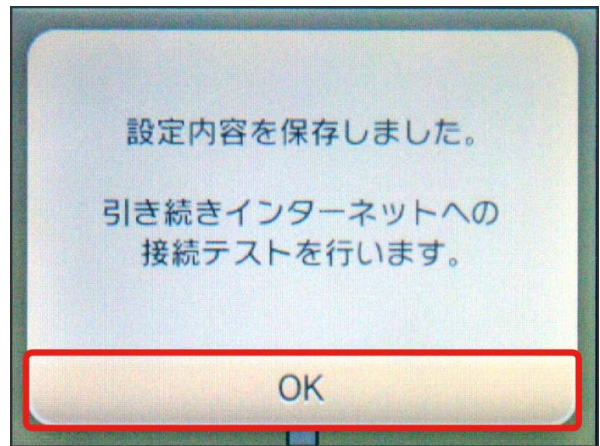
9



OK



10

OK




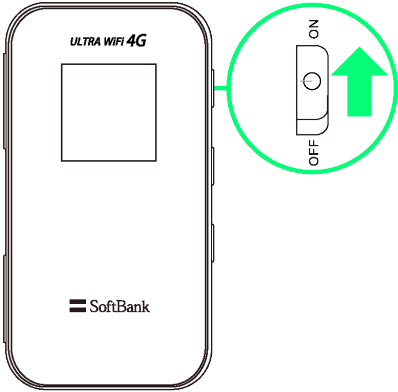
- Connection Test starts. When "接続テストに成功しました!" appears, click **OK** to complete. Connected Wi-Fi (WLAN) device count on Wi-Fi router Display increases by one (e.g.  → ).


Connecting Nintendo DSi LL/DSi

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

1

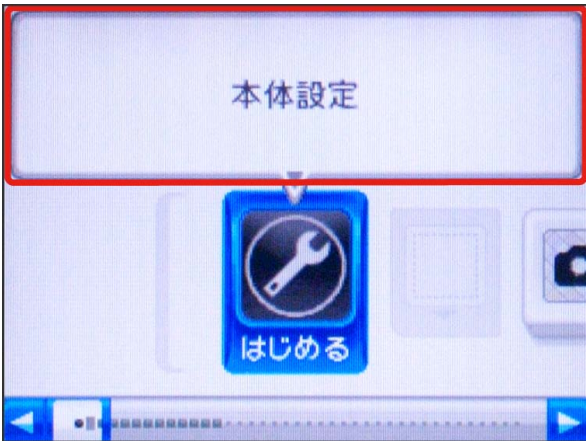
Slide  to ON



 Wi-Fi (WLAN) function activates and connects to Internet.


2

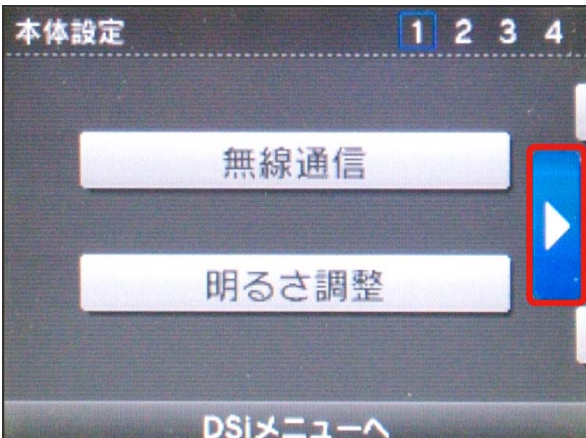
In Nintendo DSi menu, **本体設定**



· For operation, refer to each software user guide.

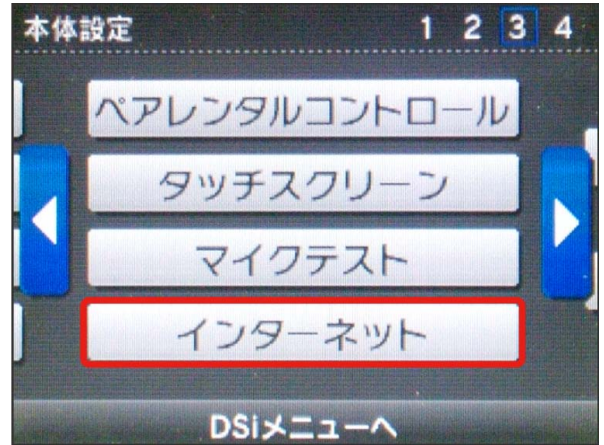
3

Touch  on the right side of the screen twice



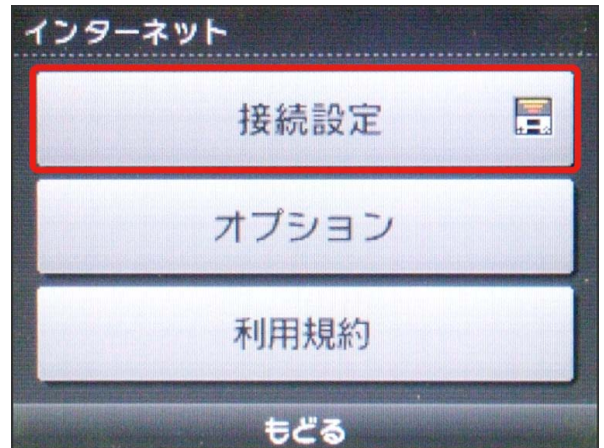
4

インターネット



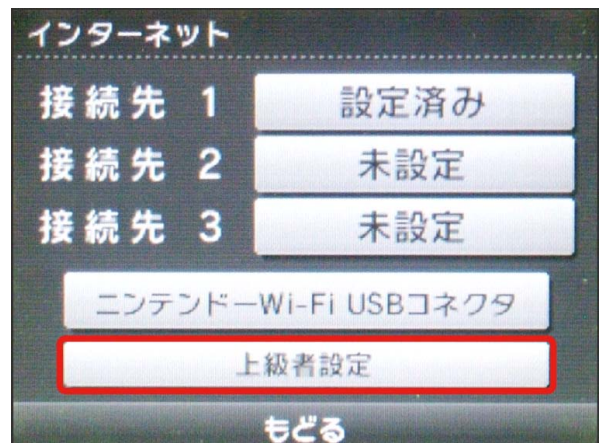
5

接続設定

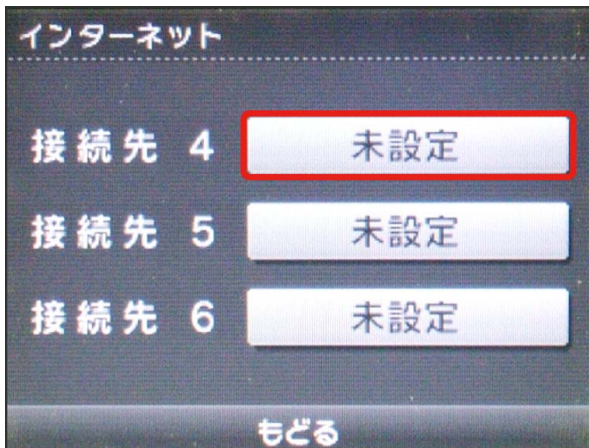


6

上級者設定

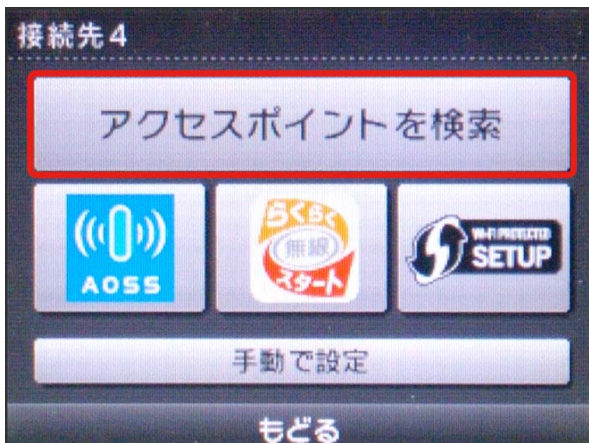


7

Touch any **未設定**

8

アクセスポイントを検索



9

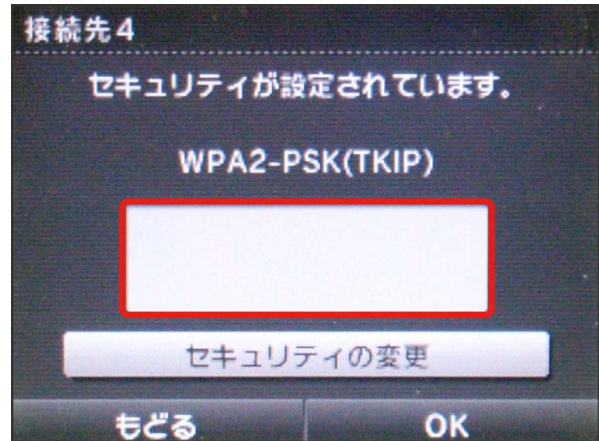
Touch Wi-Fi router SSID



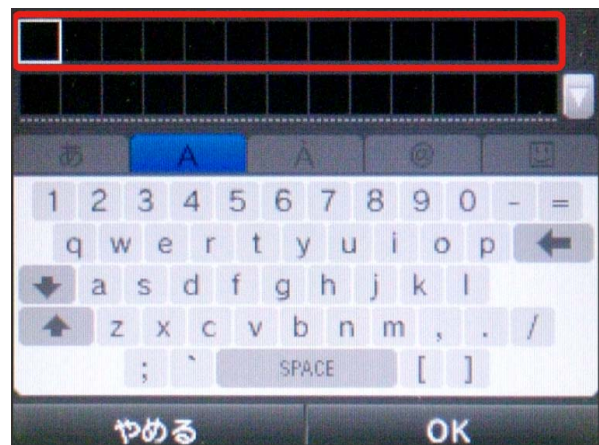
- ・ See supplied Initialization Sticker for Wi-Fi router SSID.
- ・ If default SSID has been changed: Select current network name.

10

Touch the entry field

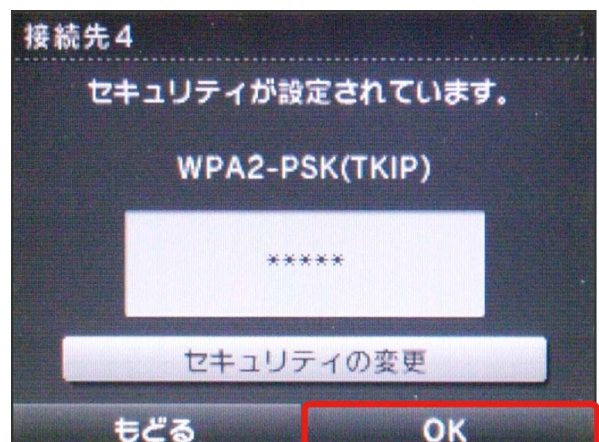


11

Enter WPA Key correctly → **OK**

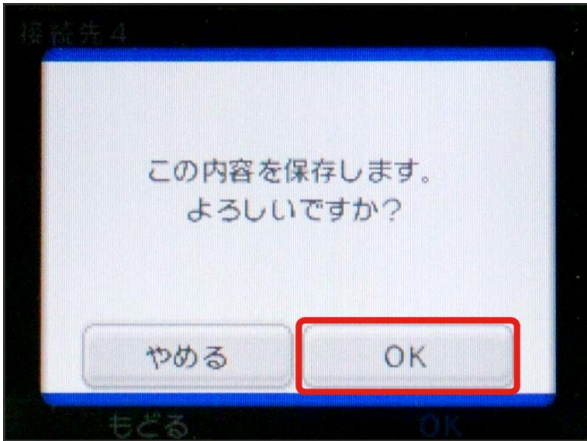
12

OK



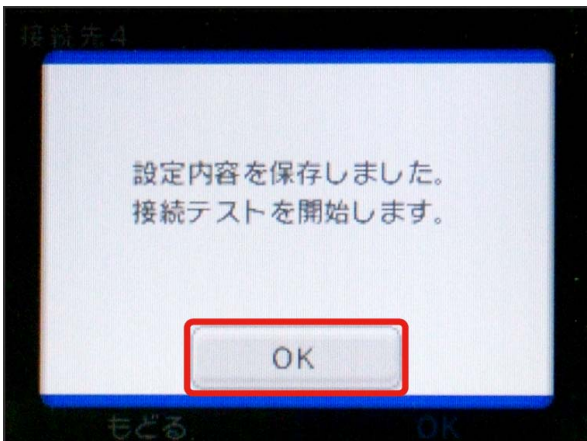
13

OK



14

OK




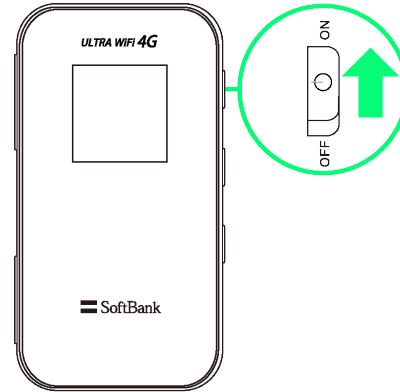
🚩 Connection test starts. When complete, "接続に成功しました" appears. Connected Wi-Fi (WLAN) device count on Wi-Fi router Display increases by one (e.g. 📶 → 📶).

Connecting Nintendo DS

If the security is set to WPA, Nintendo DS cannot be connected. WPA is set by default; use SoftBank 102Z Utility to change WLAN security to OPEN WEP. See "[Basic Settings for LAN Wi-Fi.](#)"

1

Slide  to ON



🚩 Wi-Fi (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 未設定

5

アクセスポイントを検索



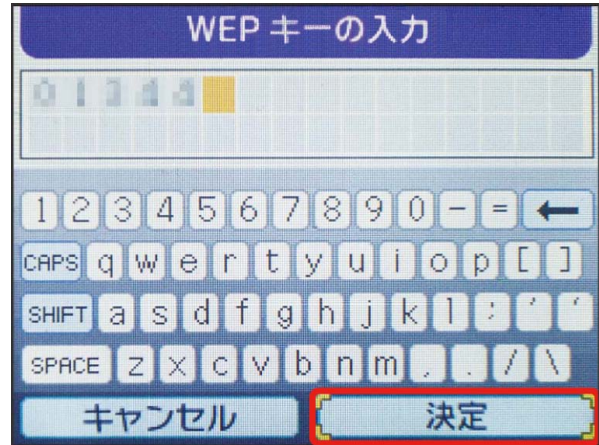
6

Select Wi-Fi router SSID



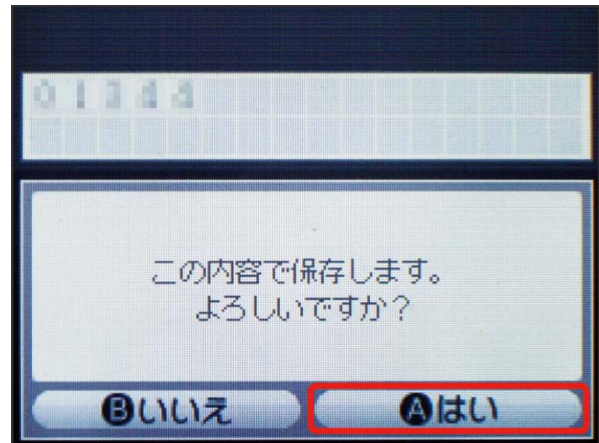
- See supplied Initialization Sticker for Wi-Fi router SSID.
- If default SSID has been changed: Select current network name.

7

Enter WEP Key correctly → 決定

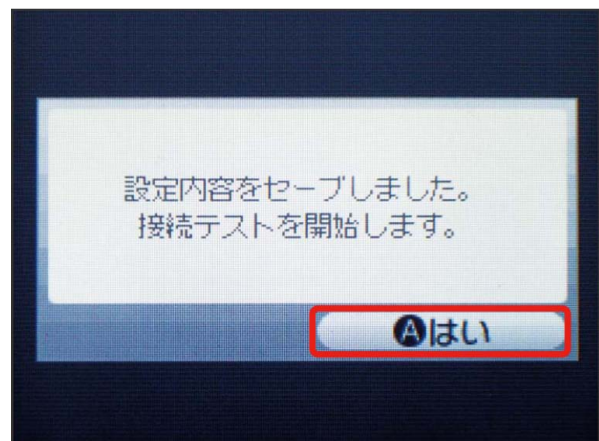
8




はい



9

はい



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

Network Connection

Changing Wi-Fi (WLAN) Security Settings

Note that changing Security 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.


Connecting PS Vita/PSP®

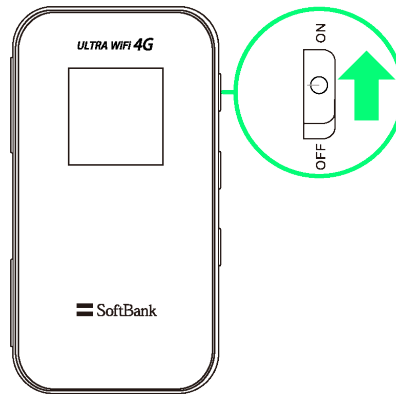
The described connection procedures are independently verified. Do not make inquiry to Sony Computer Entertainment Inc. about descriptions given here.


Connecting PS Vita

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

1

Slide  to ON



 Wi-Fi (WLAN) function activates and connects to Internet.

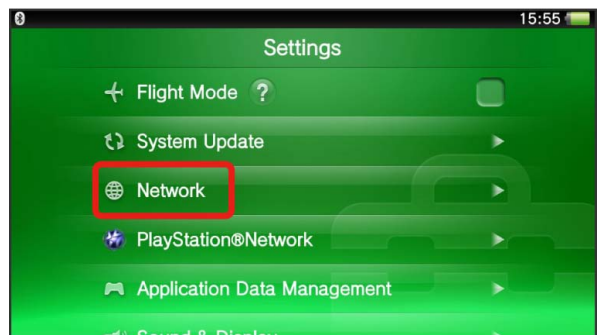
2

In PS Vita Home menu, **Settings** → **Start**



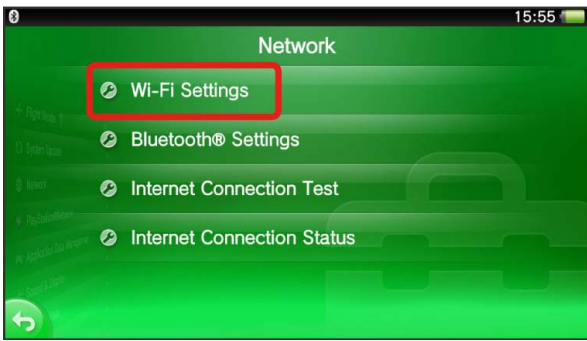
3

Network



4

Wi-Fi Settings



5

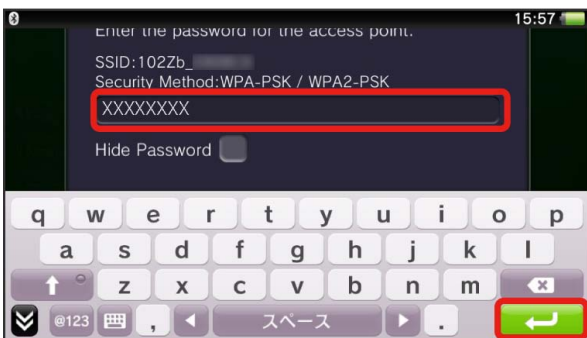
Tap Wi-Fi router SSID



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

6

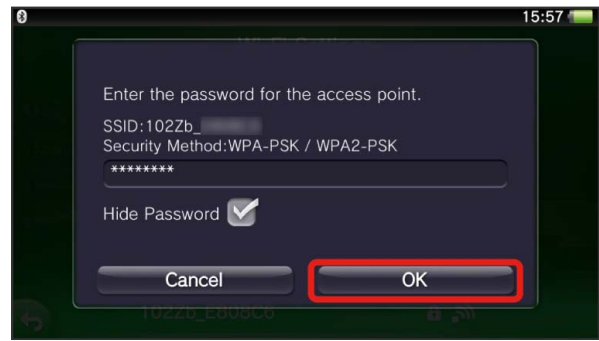
Enter WPA Key → ↩





- See supplied Initialization Sticker for WPA Key.

7

OK



When complete, Wi-Fi setting screen appears. Connected Wi-Fi (WLAN) device count on Wi-Fi router Display increases by one (e.g.  → ).

Connecting PSP®


Screenshots/operations are based on PSP-2000/PSP-3000, with WLAN security set to WPA.

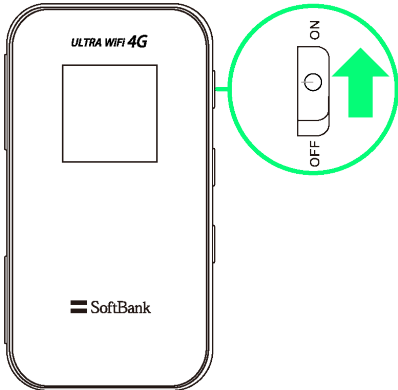
Screenshots/operations may vary for PSP-1000* or when security is not set to WPA.


See PSP® user guide.

*Some procedures may vary for PSP-1000 system software earlier than version 1.52.

1

Slide  to ON



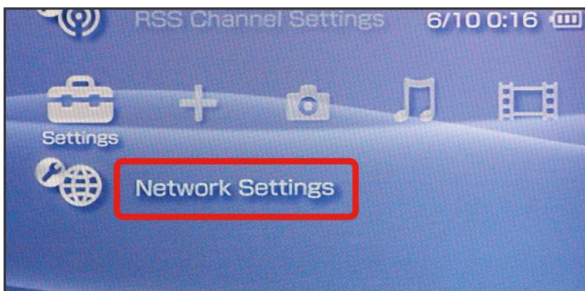
 Wi-Fi (WLAN) function activates and connects to Internet.

2

On PSP®, Slide WLAN Switch to On

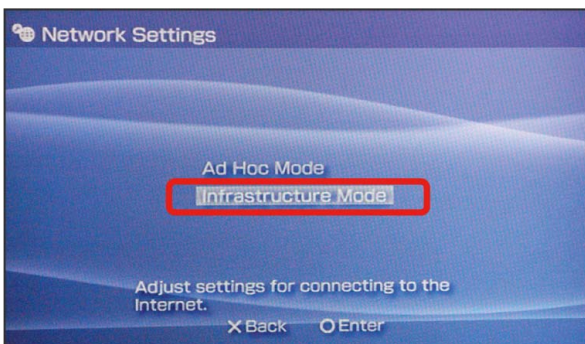
3

In PSP® Home menu, select **Settings** → **Network**
Settings → Press 



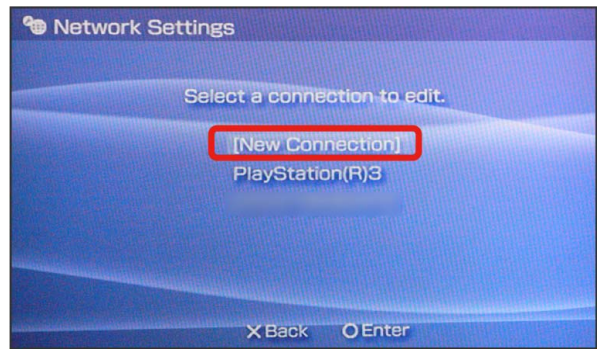
4


Infrastructure Mode → Press 



5

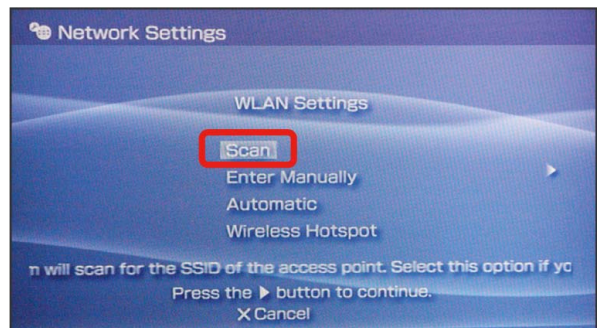
New Connection → Press 




· PSP-1000: Enter connection name → Press 

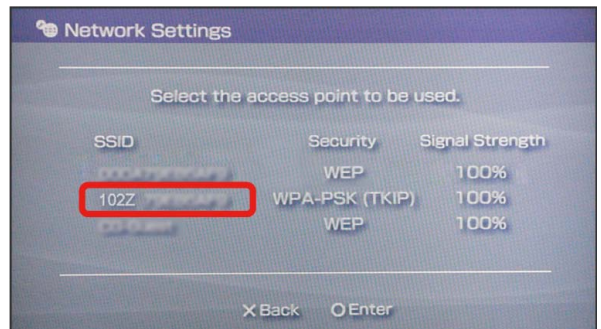
6


Scan → Press 



7

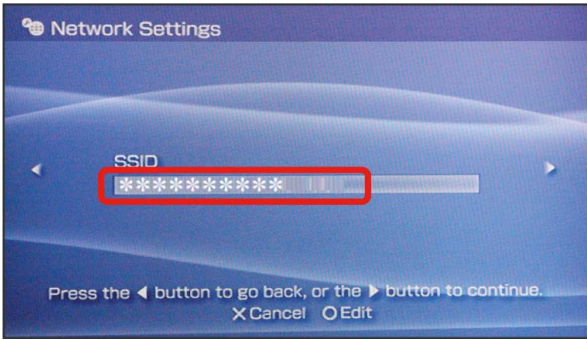
Select Wi-Fi router SSID → Press 



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

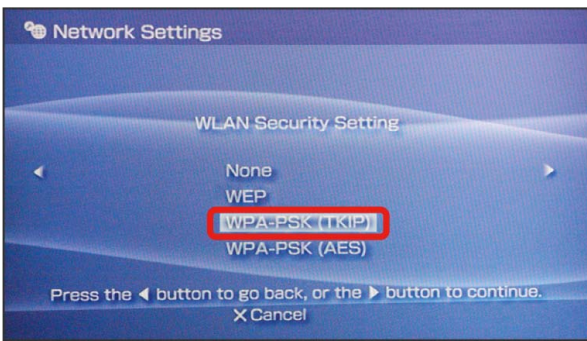
8

Confirm SSID → Press ▷



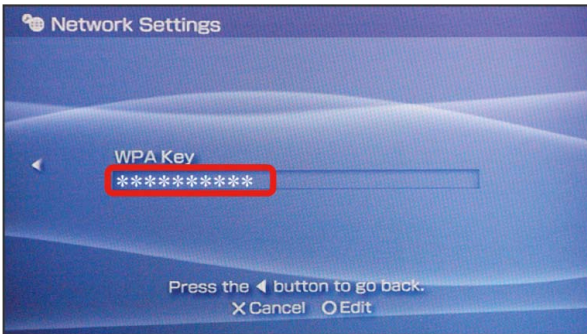
9

WPA-PSK (TKIP) → Press ▷



10

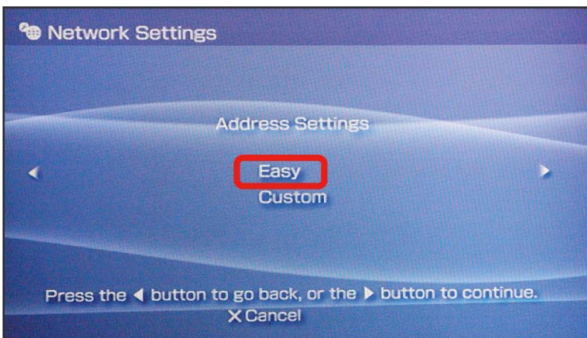
Press ● → Enter WPA Key → Press ▷



· See supplied Initialization Sticker for WPA Key.

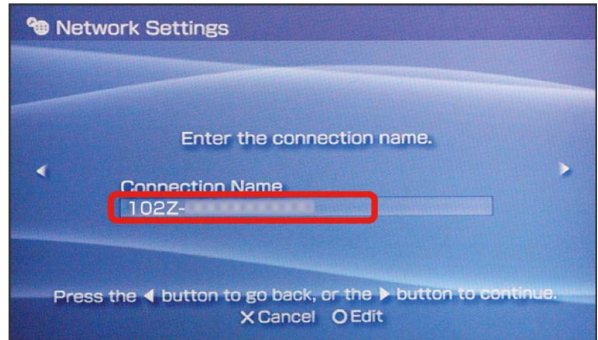
11

Easy → Press ▷



12

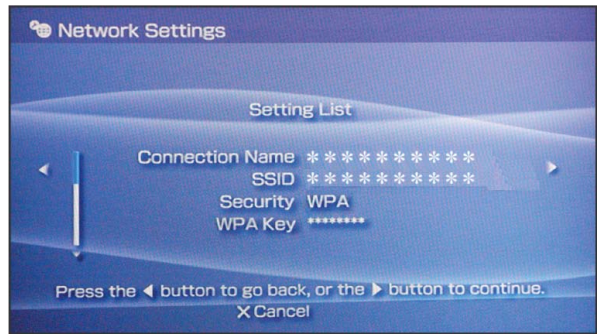
Confirm Connection Name → Press ▷



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

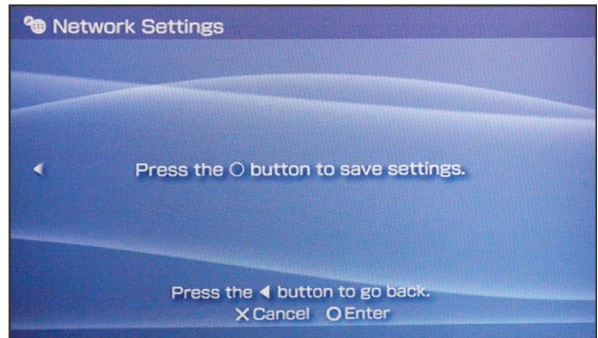
13

Confirm settings → Press ▷



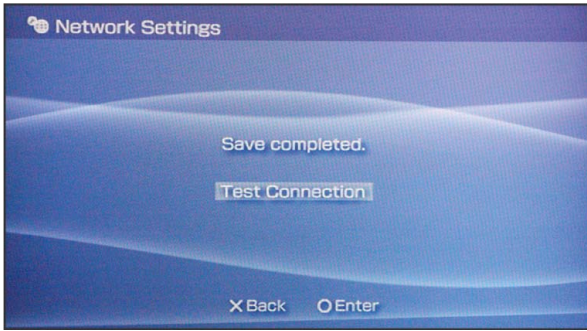
14




Press ●



15

Press 



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

Connecting PS3®


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

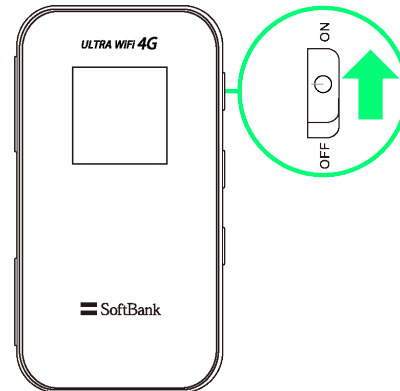
Connecting PS3®

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

Screenshots/operations may vary when security is not set to WPA. See PS3® user guide.

1

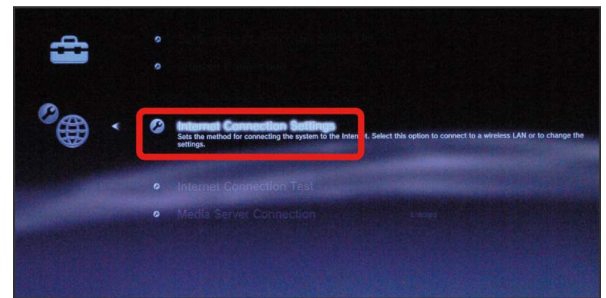
Slide  to ON



 Wi-Fi (WLAN) function activates and connects to Internet.

2

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

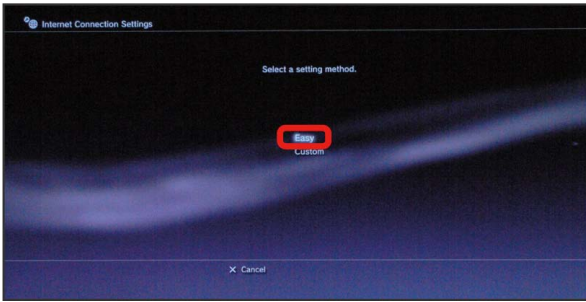


3

OK → Press 

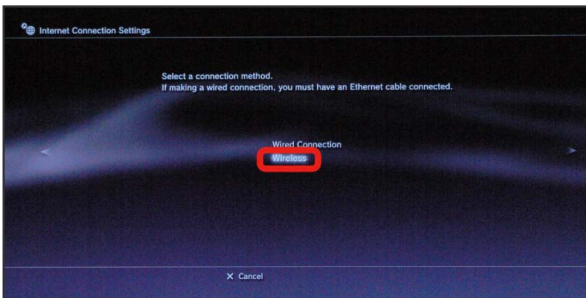
4

Easy → Press ▷



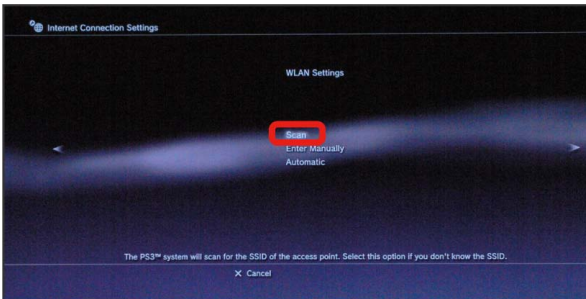
5

Wireless → Press ▷



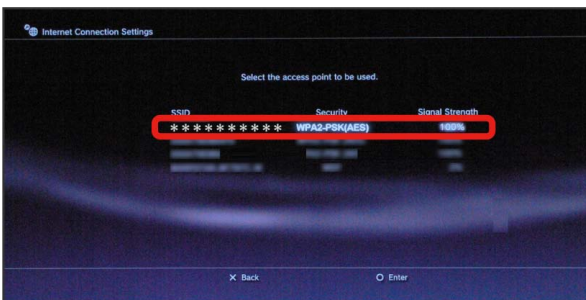
6

Scan → Press ▷



7

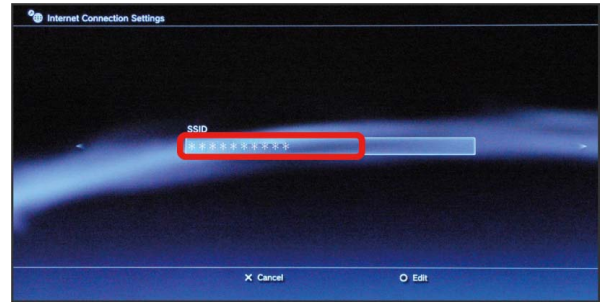
Select Wi-Fi router SSID → Press ○



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

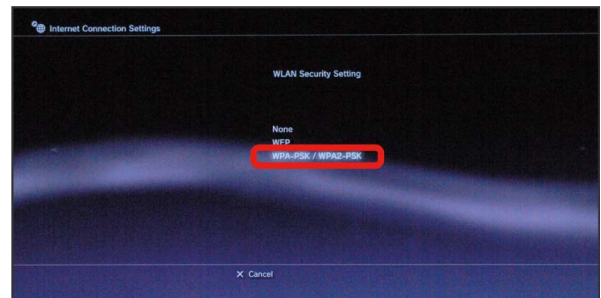
8

Confirm SSID → Press ▷



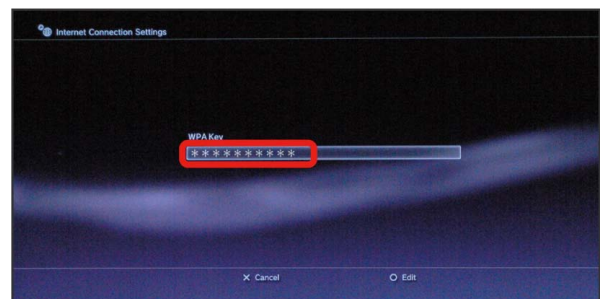
9

WPA-PSK/WPA2-PSK → Press ▷



10

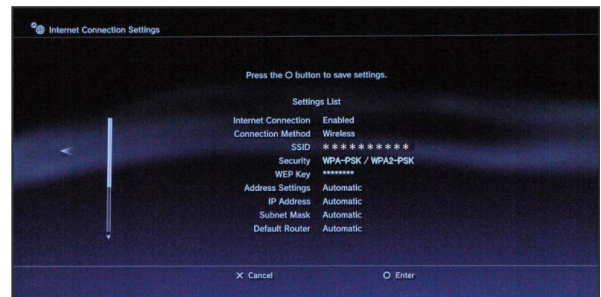
Press ○ → Enter WPA Key → Press ▷



- See supplied Initialization Sticker for WPA Key.

11

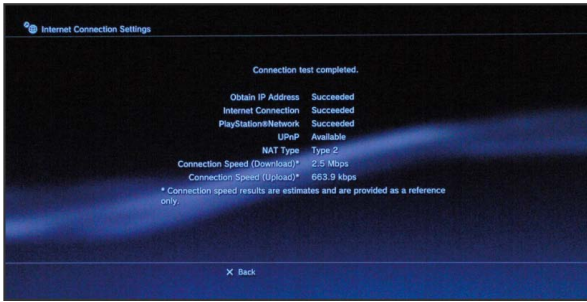
Confirm settings → Press ○






Settings are saved.

12

Press 




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

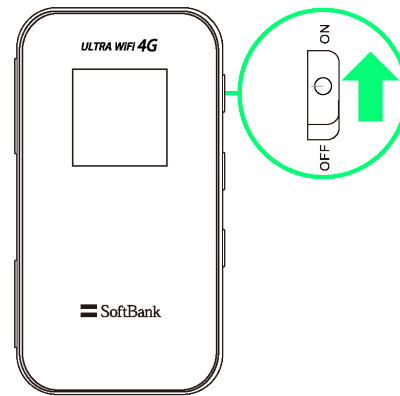
Connecting WPS Supported Wi-Fi Devices


Connecting WPS Supported Wi-Fi Devices

WPS functions cannot be used with the default settings. Change the authentication method to use them. For details see "[Configuring Settings for connecting WPS Supported Wi-Fi Devices.](#)"

1

Slide  to ON




 Wi-Fi (WLAN) function activates and connects to Internet.

2

Activate the device Wi-Fi (WLAN) functions and prepare for WPS settings as required


3

Long Press 

 "WPS Processing" appears on Display.

4




Connect Wi-Fi (WLAN) devices via WPS

 When complete, "WPS Succeed" appears.

• Operations vary depending on WLAN devices.

5

If other settings are required with Wi-Fi (WLAN) devices, follow the onscreen instructions

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

Using Micro USB Cable (Windows PC)

Connecting to/Removing from Windows PC.....	40
Setup for Windows PC.....	41

Connecting to/Removing from Windows PC

Connecting to Windows PC

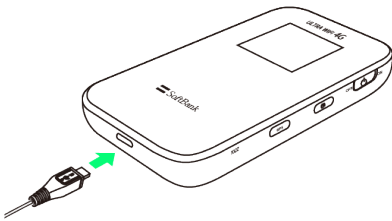
Upon connecting the first time, device drivers and SoftBank 102Z Utility activation tool are installed automatically.

1

Power on PC

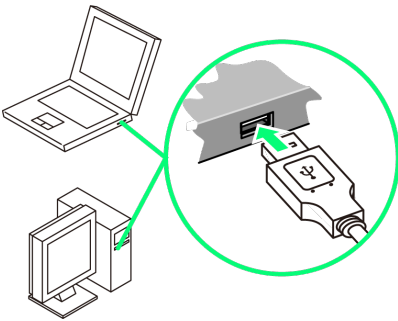
2

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



3

Insert USB plug of Micro USB Cable into PC USB Port



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


- SoftBank 102Z Utility shortcut icon appears and device driver is installed in the background. When complete, browser activates and SoftBank 102Z Utility Login window opens.
- If installation does not automatically start or browser fails to activate due to the PC environment, install the drivers manually. See "Setup for Windows PC."


Removing from Windows PC

- For Windows 7, exit SoftBank 102Z Utility 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

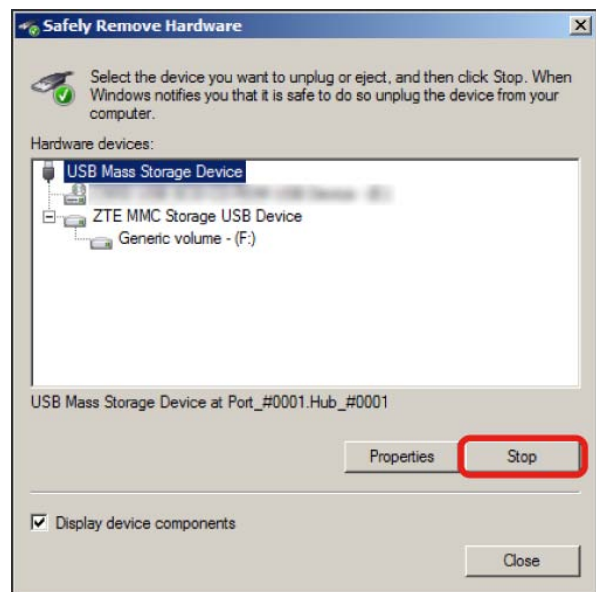
Double-click  on Task Tray


 Safely Remove Hardware window appears.

- Windows XP: Double-click  in Task Tray.

2

USB Mass Storage Device  Stop



 Stop a Hardware device window appears.

- Be sure to select the correct device when multiple USB devices are connected.

3

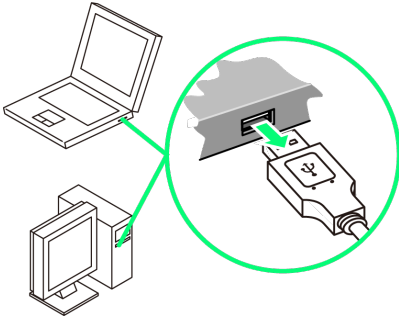
OK




- 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 Memory Card is Installed

When Memory Card is installed, follow these steps:

Click  on 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.

SoftBank 102Z Utility

Exit SoftBank 102Z Utility before removing Wi-Fi router. Do not remove Wi-Fi router during transmissions.

Setup for Windows PC

When connecting the first time, device drivers and SoftBank 102Z Utility activation tool are installed automatically. If installation does not automatically start or browser fails to activate due to the PC environment, follow these steps:

Installing Drivers Manually

Screenshots/operations are based on Windows 7.

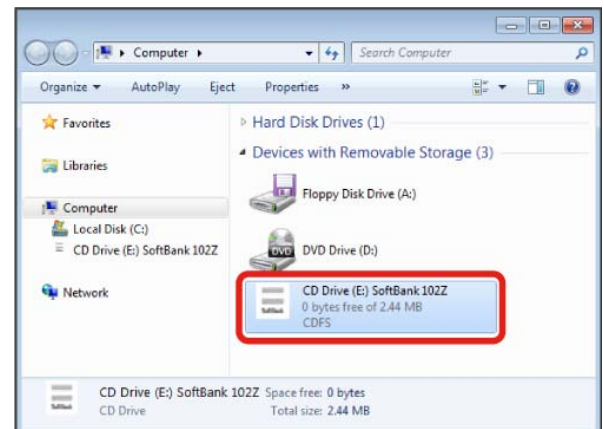
· Power on PC first, and then connect Wi-Fi router to PC via Micro USB Cable.


1

Start menu  **Computer**

2

Double-click "SoftBank 102Z"




 User Account Control dialog box appears.

· Windows XP: This dialog box does not appear. When complete, browser activates and SoftBank 102Z Utility Login window opens.

3

Yes


 SoftBank 102Z Utility shortcut icon appears and device driver is installed in the background. When complete, browser activates and SoftBank 102Z Utility Login window opens.

· Windows Vista: Click **Continue** .

Uninstalling Drivers

1


Start → All Programs → SoftBank 102Z → Uninstall

 User Account Control dialog box appears.

- Windows XP: Uninstallation is complete without the dialog box appearing.

2

Yes

 Uninstallation is complete.

- Windows Vista: Click **Continue**.

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.

Using Micro USB Cable (Mac)

Connecting to/Removing from Mac.....	44
Setup for Mac.....	45

Connecting to/Removing from Mac

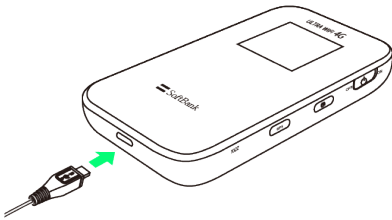
Connecting to Mac

1

Power on Mac

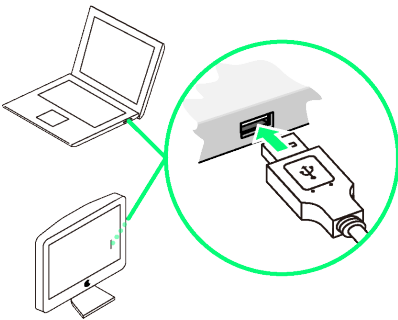
2

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




3

Insert USB plug of Micro USB Cable into Mac USB Port



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

- Once recognized,  appears on the desktop.
- When connecting the first time, "A new network interface has been detected." message appears. See "[Setup for Mac.](#)"

Removing from Mac


Follow these steps to remove Wi-Fi router from Mac. Wi-Fi router's internal files may be damaged if it is improperly removed.

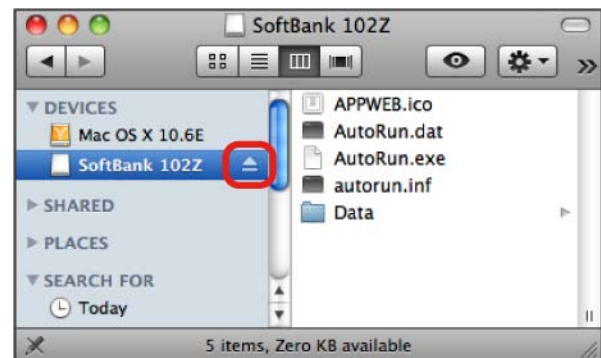
1



Click .

 Finder appears.

2

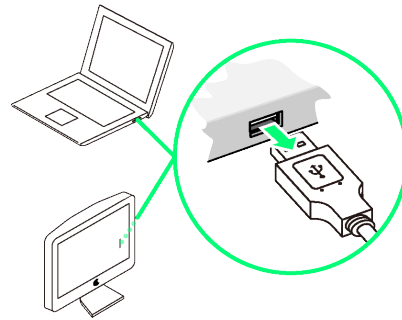
Click () removal icon for SoftBank 102Z



- If Memory Card is installed, first click () removal icon for Memory Card, then click () for "SoftBank 102Z."

3

Remove Wi-Fi router from Mac



- In Finder, if the above icon does not appear, check that SoftBank 102Z Utility is exited and remove Wi-Fi router.

! 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.

SoftBank 102Z Utility

Exit SoftBank 102Z Utility before removing Wi-Fi router. Do not remove Wi-Fi router during transmissions.

Setup for Mac

Screenshots/operations are based on Mac OS 10.6.
Screenshots/messages may vary depending on OS version.

Setting up Network


When connecting the first time, "A new network interface has been detected." message appears. 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." message appears.

3

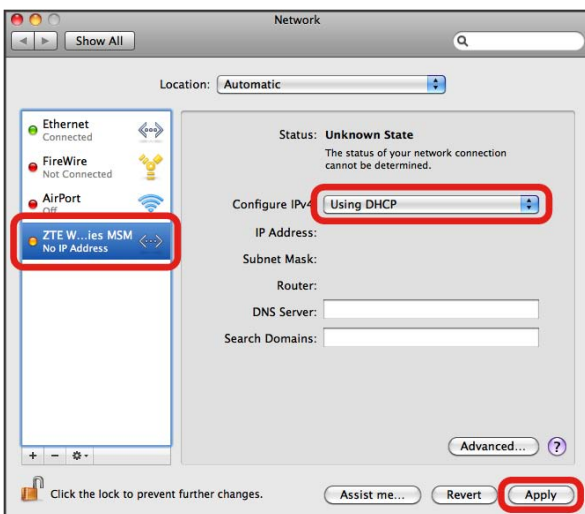
Network Preferences...




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

Overview of SoftBank 102Z Utility.....	48
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Accessing Memory Card.....	57
Quick Settings.....	62
Setting 3G/4G.....	64
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LAN Wi-Fi.....	86
Memory Card Sharing (SD Card).....	94
Advanced Settings.....	96
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Setting Ranges & Default Values.....	111

Overview of SoftBank 102Z Utility

Use WEB UI (SoftBank 102Z Utility) functions in browser to check and change Wi-Fi router's settings, by connecting Wi-Fi router to a PC or smartphone via a Micro USB Cable or Wi-Fi (WLAN).

WEB UI is referred to as "SoftBank 102Z Utility."

Activating SoftBank 102Z Utility


1

Make sure Wi-Fi router is properly connected to PC or smartphone via Wi-Fi (WLAN)

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

2


Press


 In Display, URL of SoftBank 102Z Utility appears.

3

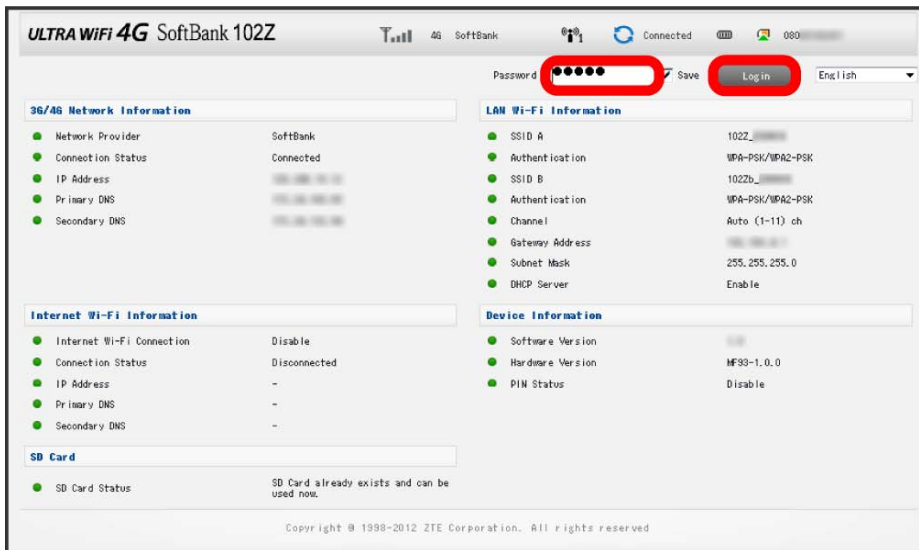
Enter the URL in browser's address bar



 SoftBank 102Z Utility Login window opens.

- When connected via Micro USB Cable, double-click  (SoftBank 102Z) on desktop, or select .

Enter administrator password →



 SoftBank 102Z Utility window opens.

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

Default Password

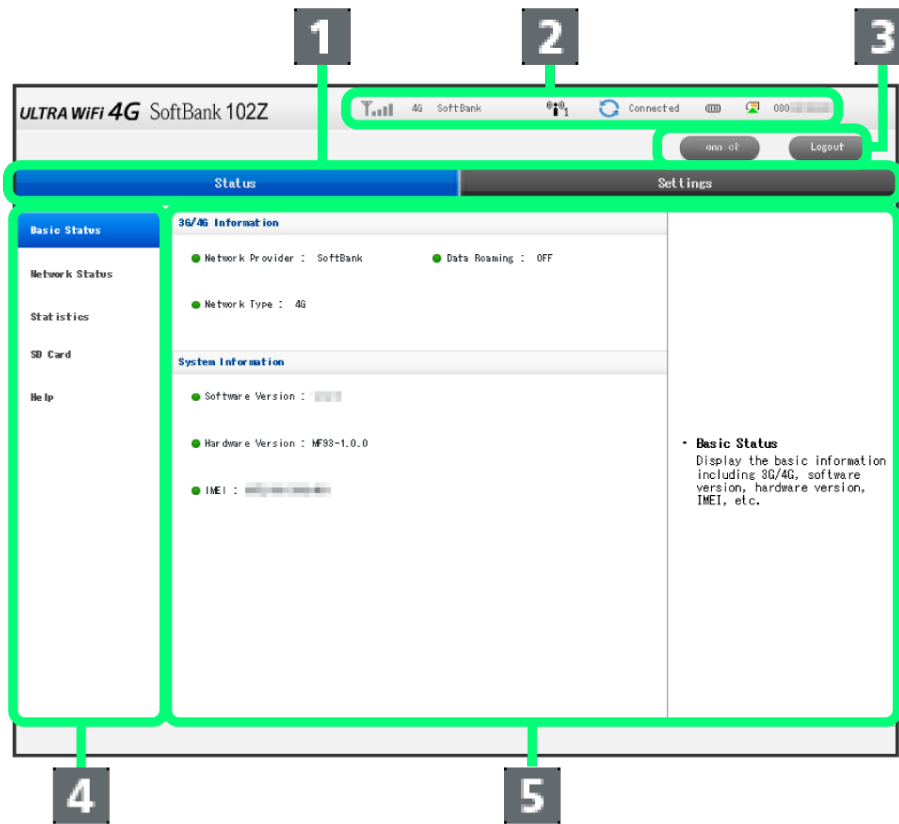
For the sake of protecting security, it is recommended that the default password be changed.

Cautions for Wi-Fi (WLAN) Connection

Using SoftBank 102Z Utility to change Internet Wi-Fi Settings while Wi-Fi router is wirelessly connected to the device may close the Wi-Fi (WLAN) connection. After completing settings, reconnect Wi-Fi devices.

SoftBank 102Z Utility Window

SoftBank 102Z Utility Window



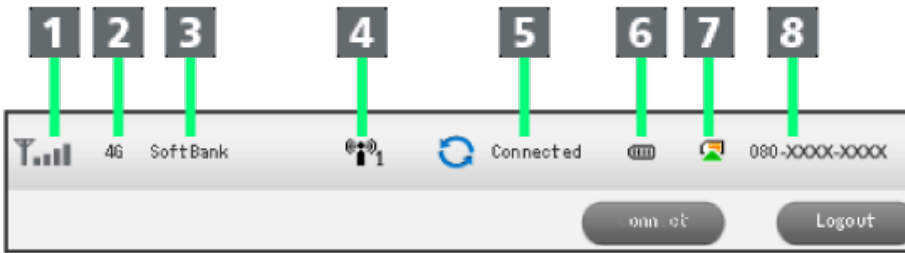
Items	Description
1 Tabs	Toggle Status/Settings screens
2 Status Indicators	Indicate Wi-Fi router status including connection status
3 Connect and Logout	Connect to network; Log in/out SoftBank 102Z Utility
4 Menus	Click to toggle information/setting screens
5 Information/Setting Screens	Show current information and settings for functions

1 Tabs, Menus, Information/Setting Area, and Descriptions



Items	Description
1 Status	Show menus for Status (Status screen)
2 Settings	Show menus for Settings (Settings screen)
3 Menus	Click to toggle information/setting pages
4 Information/Setting Area	Show current information and settings for functions
5 Descriptions	Show descriptions of items

Status Indicators



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

Connect and Logout



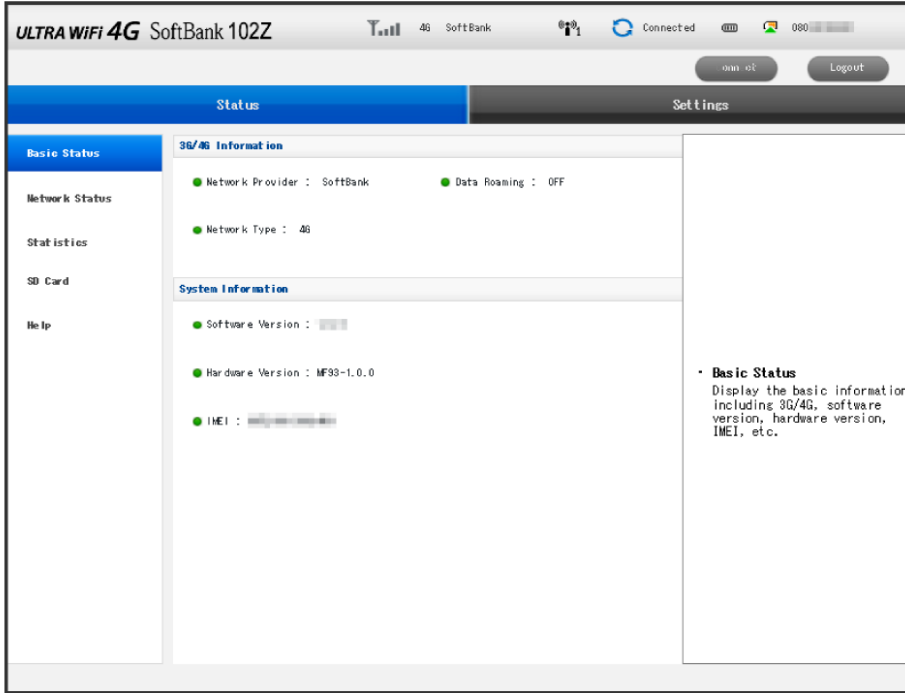
Items	Description
1 Connect	Connect to network according to settings
2 Logout	Log out SoftBank 102Z Utility

Checking Status

Check 3G/4G information, system information, current information on network conditions, amount of data uploaded/downloaded, and information on manuals and customer support. Data management for Memory Card is also available.

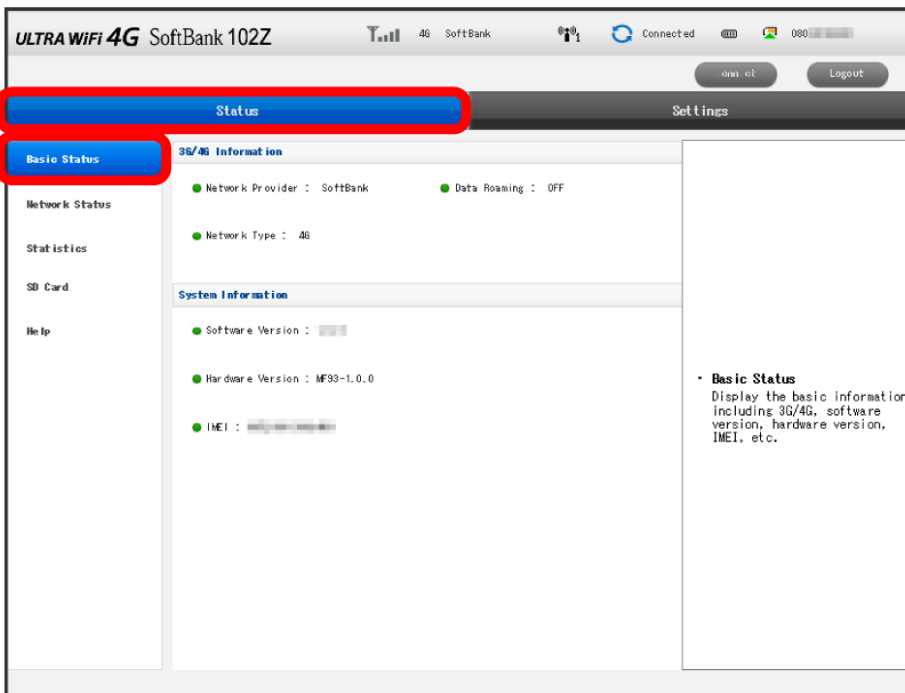
Basic Status

Check basic information such as 3G/4G information, software version, hardware version, and IMEI.



1

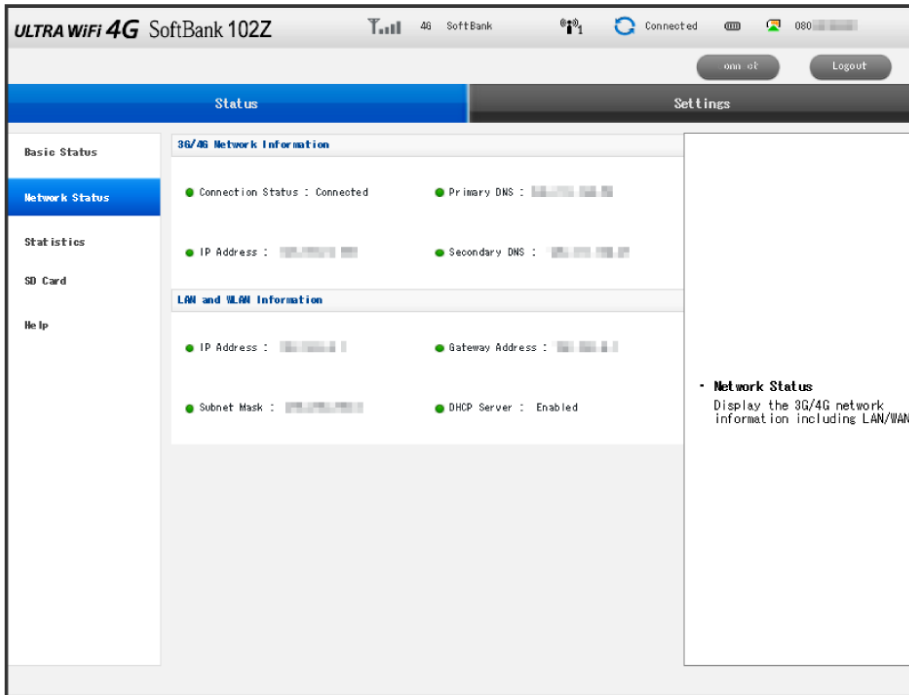
In Status screen, **Basic Status**



Basic Status screen appears.

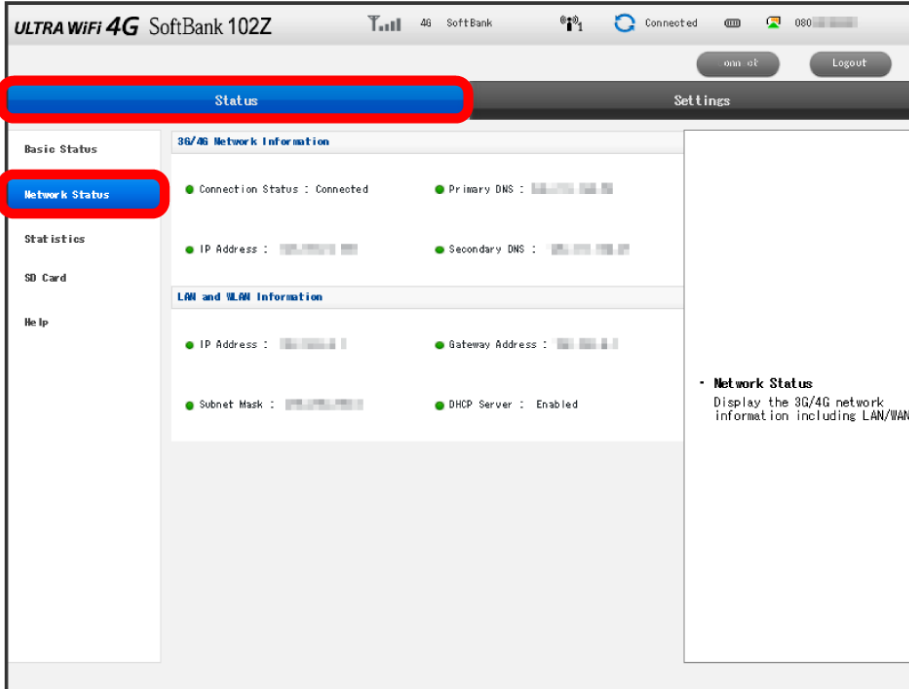
Network Status

Confirm 3G/4G network and LAN/WAN information.



1

In Status screen, **Network Status**



🚩 Network Status screen appears.

Statistics

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

- Values for data transfer volumes are approximates. Confirm accurate values for data transfer volumes for 3G/4G in "My SoftBank."

The screenshot shows the 'Status' screen of the ULTRA WIFI 4G SoftBank 102Z. The 'Statistics' section is highlighted in blue. It displays a table with columns for Rate, Up load, and Download. Below this is a table with columns for Connected Time, Downloaded, Up loaded, and Total Traffic. The 'Current' row shows 00:15:49 connected time, 264 Bytes downloaded, 10.82 KB uploaded, and 11.07 KB total traffic. The 'Total' row shows 03:20:25 connected time, 45.04 MB downloaded, 1.42 MB uploaded, and 46.46 MB total traffic. A 'Reset' button is located below the table. A 'Help' section on the right explains the statistics and provides instructions on how to reset the information.

Rate	Up load	Download
0 Bytes/s	0 Bytes/s	0 Bytes/s

	Connected Time	Downloaded	Up loaded	Total Traffic
Current	00:15:49	264 Bytes	10.82 KB	11.07 KB
Total	03:20:25	45.04 MB	1.42 MB	46.46 MB

Data usage is approximate numbers only. For actual usage, please refer to your network operator.

Statistics
Displaying the statistics of data transaction including speed, connected time, volume of transferred data.

Click 'Reset' button to reset the statistical information.

1

In Status screen, **Statistics**

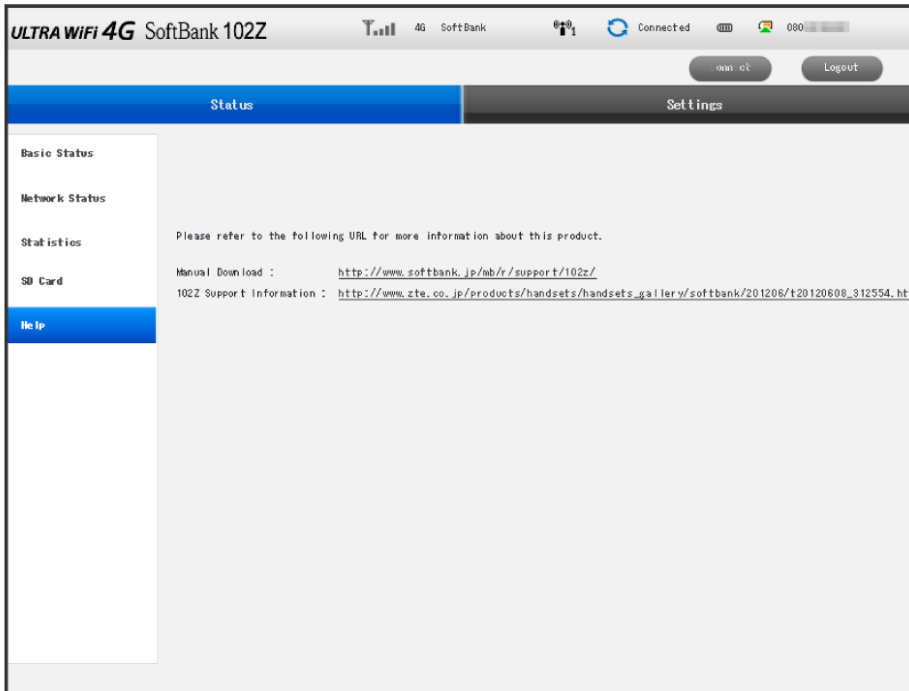
This screenshot is identical to the one above, but with red boxes highlighting the 'Status' tab at the top and the 'Statistics' section in the left sidebar. The 'Statistics' section is highlighted in blue, and the 'Reset' button is also highlighted in red.

Statistics screen appears.

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

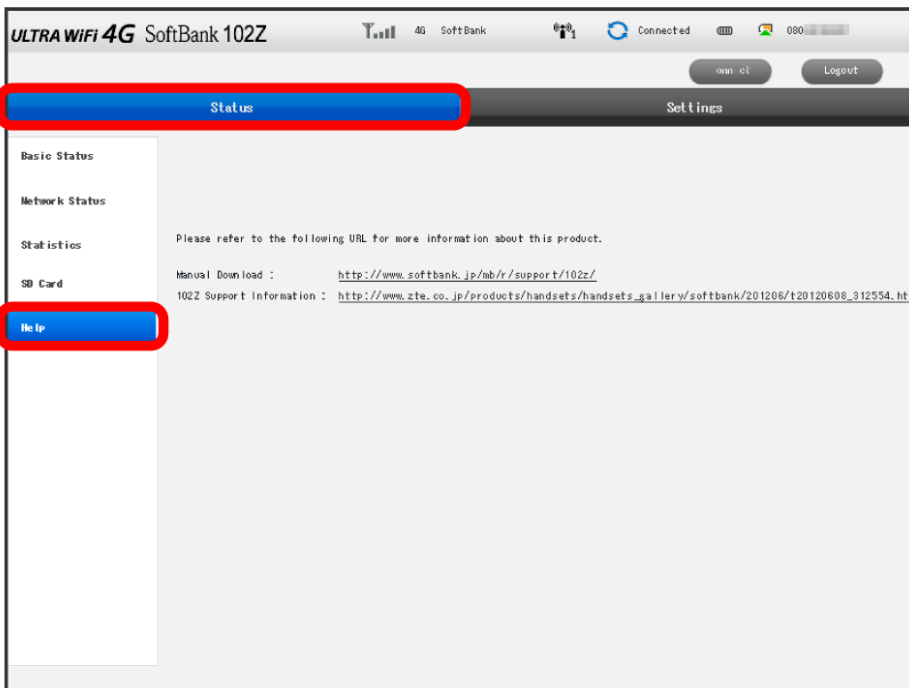
Support Information (Help)

Show URLs for Manual Download and ZTE Support Information.



1

In Status screen, **Help**



Help screen appears.

Accessing Memory Card

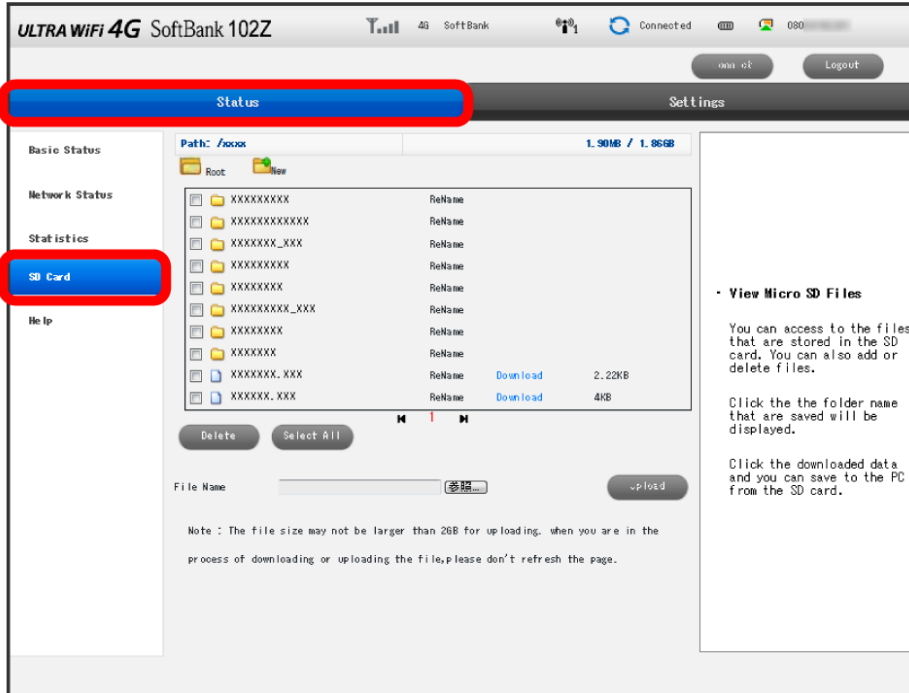
Access files stored in Memory Card through SoftBank 102Z Utility. Also add and delete files.

Viewing Data in Memory Card

SD Card menu is available only when the following setting is active;
In Settings screen, **SD Card** → **Share Setting** → **HTTP SHARE** .

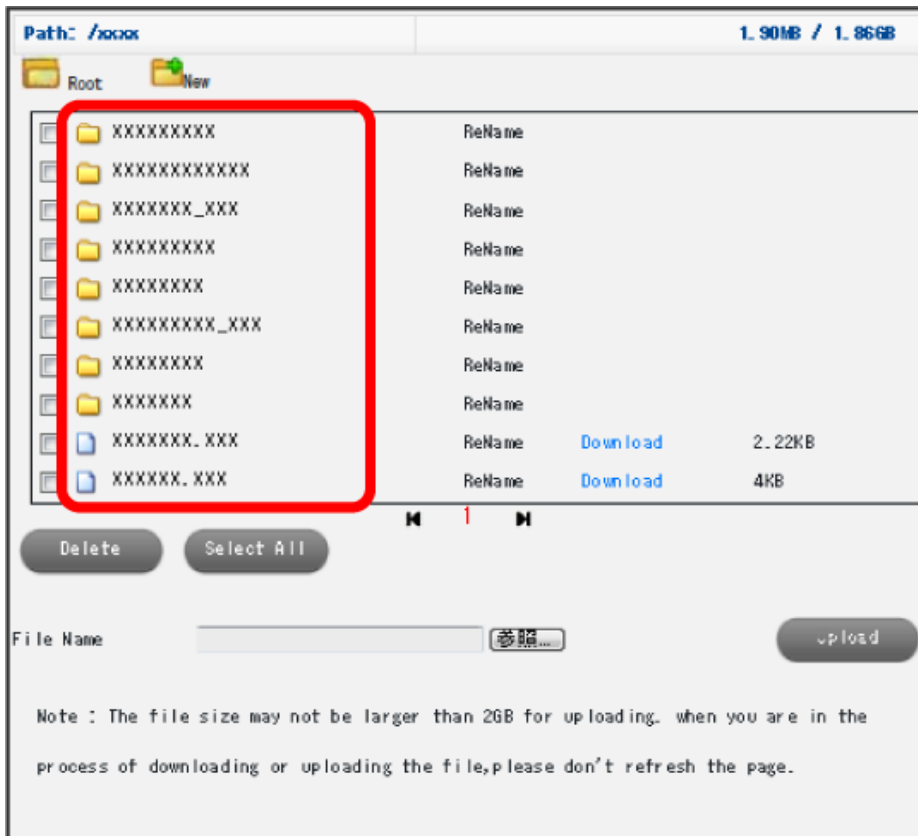
1

In Status screen, **SD Card**



SD Card screen appears.

Click folder name to view



Path: /xxxx 1.90MB / 1.86GB


Root New

<input type="checkbox"/>	XXXXXXXX	ReName		
<input type="checkbox"/>	XXXXXXXXXXXX	ReName		
<input type="checkbox"/>	XXXXXXX_XXX	ReName		
<input type="checkbox"/>	XXXXXXXX	ReName		
<input type="checkbox"/>	XXXXXXXX	ReName		
<input type="checkbox"/>	XXXXXXXXXXXX_XXX	ReName		
<input type="checkbox"/>	XXXXXXXX	ReName		
<input type="checkbox"/>	XXXXXXX	ReName		
<input type="checkbox"/>	XXXXXXX.XXX	ReName	Download	2.22KB
<input type="checkbox"/>	XXXXXX.XXX	ReName	Download	4KB

Delete Select All

File Name

Note : The file size may not be larger than 2GB for uploading. when you are in the process of downloading or uploading the file, please don't refresh the page.

 Folders and files stored in the selected folder appear.

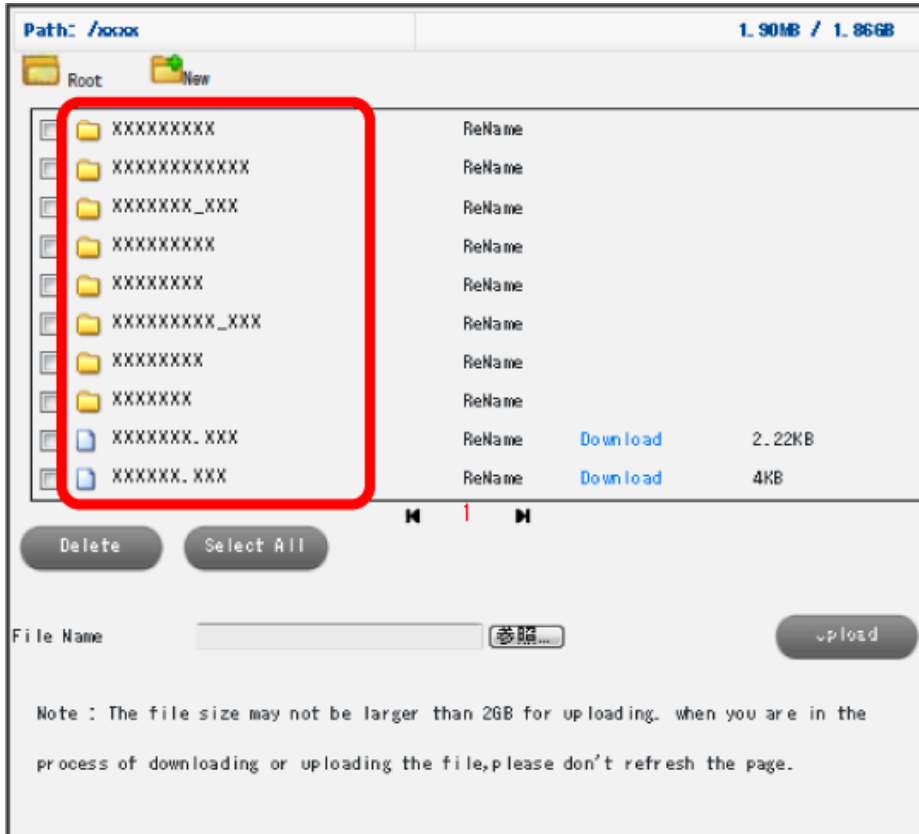
Saving Memory Card Data

Save Memory Card data to PC.

- This is available only when **SD Card Sharing** in **SD Card** is **Enabled**.

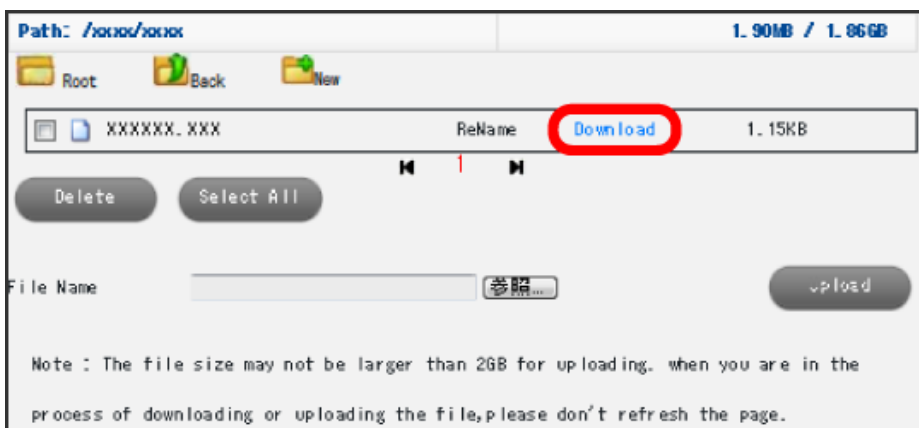
1

Select files to save



2

Download



3

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.

Saving Data to Memory Card

Save PC data to Memory Card.

· This is available only when **SD Card Sharing** in **SD Card** is **Enabled**.

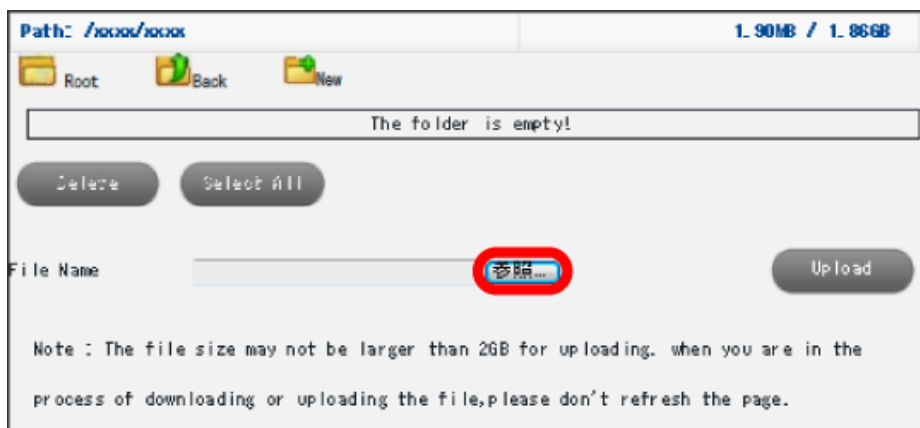
1

Open a destination folder



2

参照



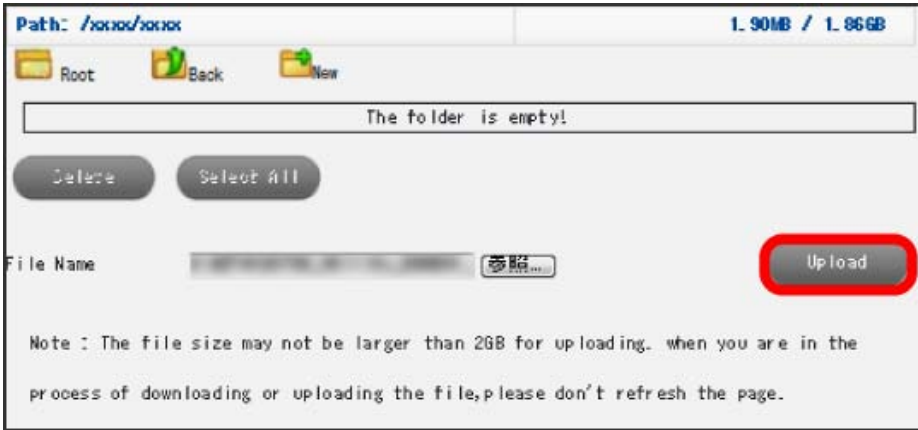
Dialog box for specifying files to save appears.

3

Select files to save

4

Upload



🚩 A saving completion message appears; the file names are added to the list.

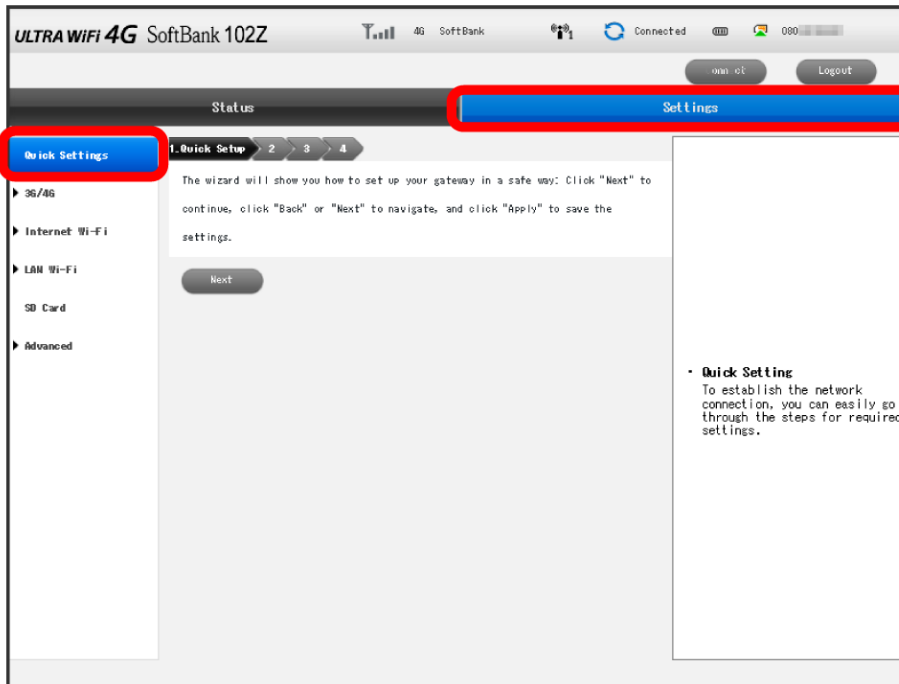
Quick Settings


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

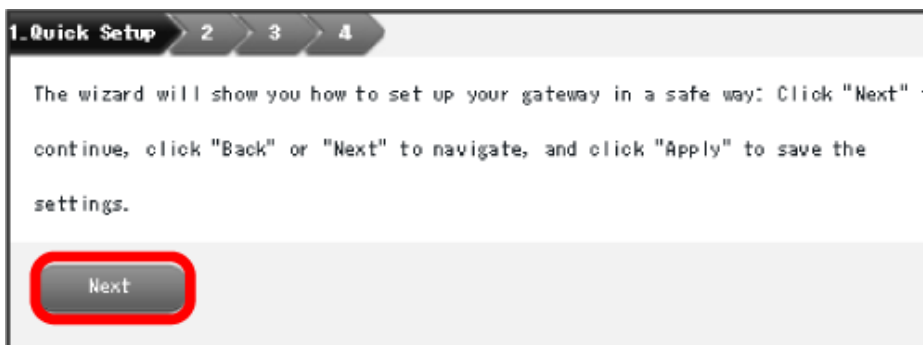
In Settings screen, [Quick Settings](#)




 Quick Settings screen appears.

2

Confirm information [Next](#)



 SSID Configuration screen appears.

3

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

The screenshot shows a configuration page with a progress indicator at the top showing steps 1, 2, 3, and 4. Step 2, 'SSID Configuration', is active. Under the 'SSID' section, the 'SSID Name' field contains '1022_'. Under the 'SSID Stealth' section, the dropdown menu is set to 'Disabled'. At the bottom, there are 'Back' and 'Next' buttons, with the 'Next' button circled in red.

Security Setting screen appears.

4

Select Authentication Method → [Next](#)

The screenshot shows a configuration page with a progress indicator at the top showing steps 1, 2, 3, and 4. Step 3, 'Security Setting', is active. Under the 'Security Setting' section, the 'Authentication Method' dropdown is set to 'WPA-PSK/WPA2-PSK', the 'WPA Algorithm' dropdown is set to 'Auto', and the 'Security Key' field is masked with 10 dots. At the bottom, there are 'Back' and 'Next' buttons, with the 'Next' button circled in red.

Setting Table of Contents screen appears.

5

Confirm the settings → [Apply](#)

The screenshot shows a summary page with a progress indicator at the top showing steps 1, 2, 3, and 4. Step 4, 'Configuration as Follows', is active. It lists the applied settings: 'SSID Name: 1022_...', 'SSID Stealth: Disabled', and 'Encryption Mode: WPA-PSK/WPA2-PSK'. Below the settings is a notice: 'Notice: You need to reconnect the wireless network after committing this page.' At the bottom, there are 'Back' and 'Apply' buttons, with the 'Apply' button circled in red.

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

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

Setting 3G/4G

Configure 3G/4G network connection.

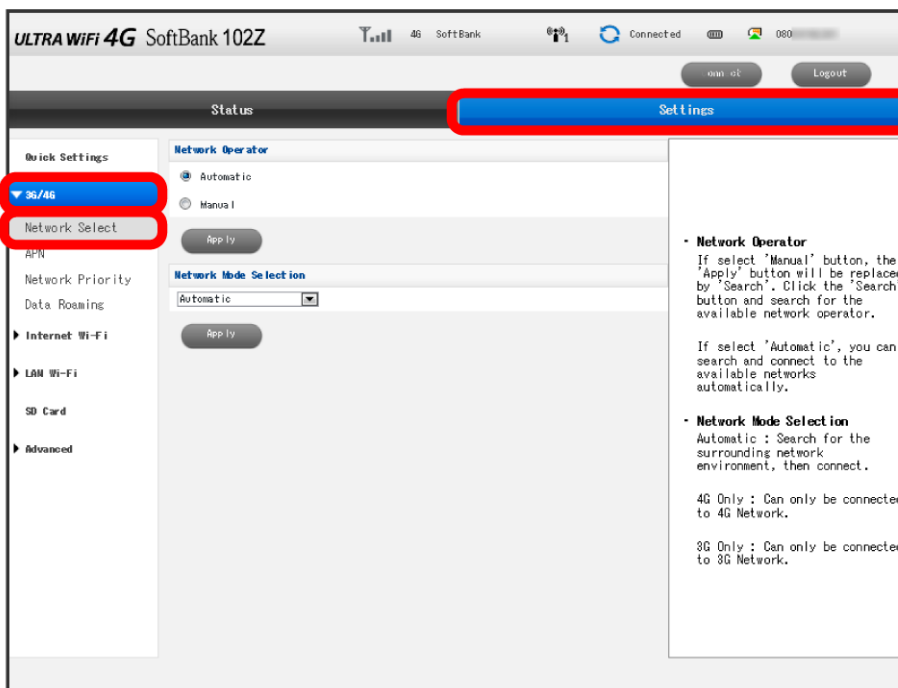
Network Select


Items to be set in Network Select are as follows.

Setting item	Description
Network Operator	Set how to select (automatic/manual) the network operator
Network Mode	Set connectable network modes (automatic, 3G only, 4G only)

1

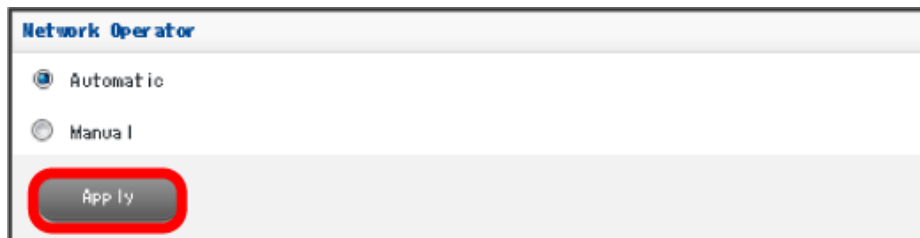
In Settings screen, **3G/4G** → **Network Select**



 Network Select screen appears.


2

Select Network Operator → **Apply**



· When **Manual** is selected, **Apply** changes to **Search**. **Search** → Select available network operator → **Apply** to set a network operator.

3


Select Network Mode 



Network Mode Selection

Automatic

Apply

 Network Mode is applied.

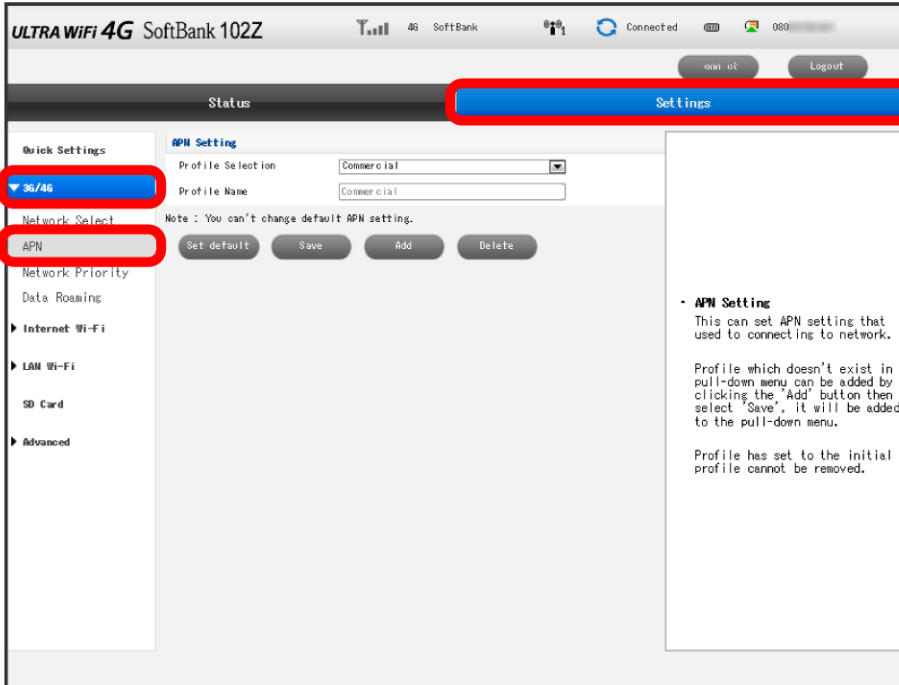
· If Network Operator is set to Manual, Network Mode is unavailable.

APN

Set APN. Creating, editing, and deleting profiles (connection settings) are also available.

1

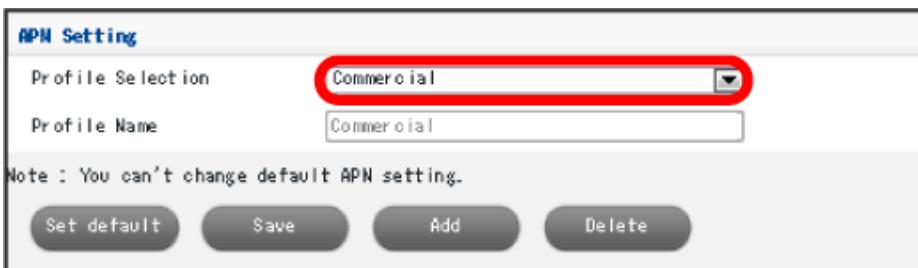
In Settings screen, **3G/4G** → **APN**



APN screen appears.

2

Select a profile



3

Set default



Selected profile is set to initial profile.

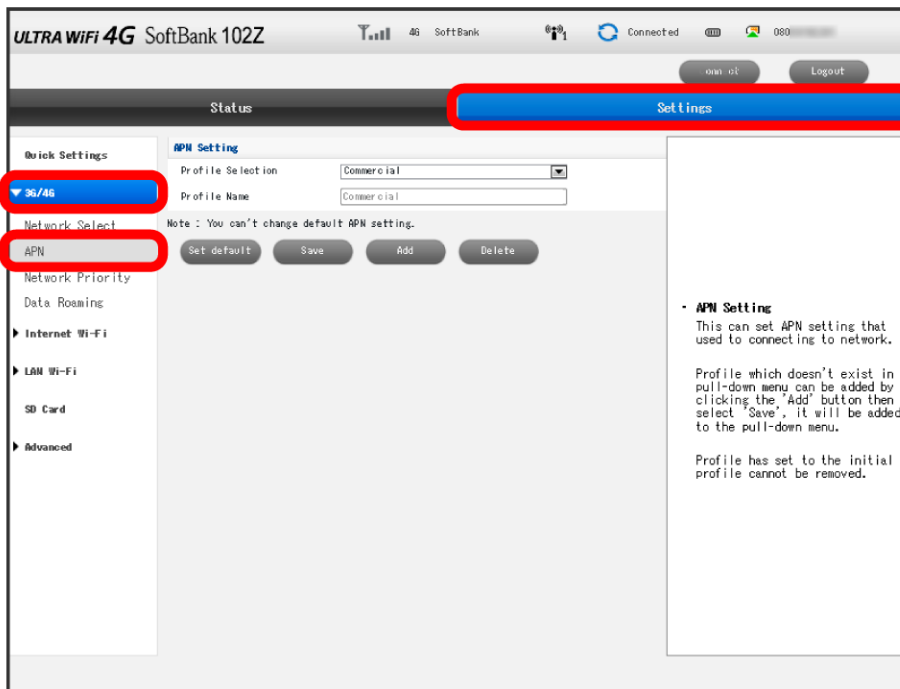
Saving New Profiles

Items to be set are as follows.

Setting item	Description
Profile Selection	Add New shows. Already saved profiles appear in pull-down list
Profile Name	Enter profile names
APN	Enter APN
DNS	Select automatic/manual DNS setting
Primary DNS	Enter primary DNS IP address Appears only when Manual DNS is selected
Secondary DNS	Enter secondary DNS IP address Appears only when Manual DNS is selected
Authentication	Select authentication method
User Name	Enter user name
Password	Enter password

1

In Settings screen, **3G/4G** → **APN**



APN screen appears.

2

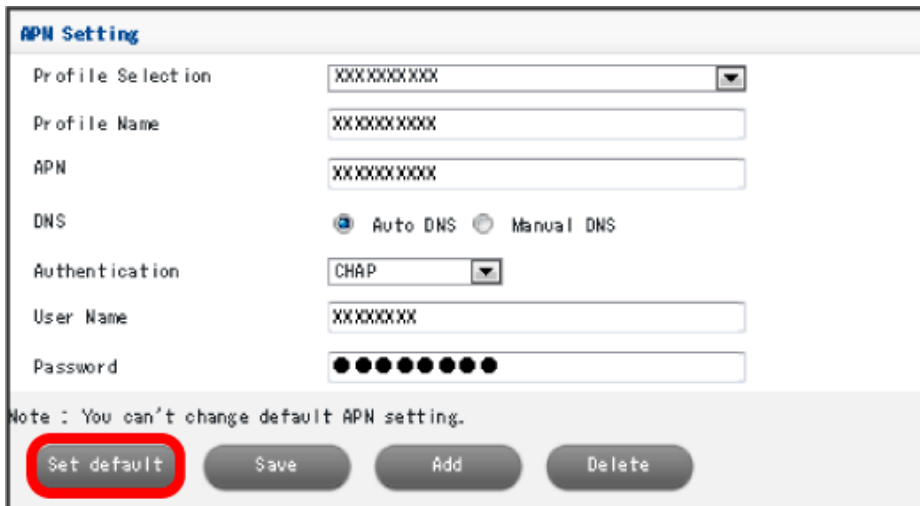
Add



APN Setting screen appears.

3

Set each item → Set default



APN Setting

Profile Selection: XXXXXXXXXXXX

Profile Name: XXXXXXXXXXXX

APN: XXXXXXXXXXXX

DNS: Auto DNS Manual DNS

Authentication: CHAP

User Name: XXXXXXXXXXXX

Password: ●●●●●●●●

Note : You can't change default APN setting.

Buttons: Set default (highlighted), Save, Add, Delete

Set APN is applied.

- Make sure that **Profile Selection** is set to **Add New** . If a saved profile is selected, the settings are overwritten.
- To only save without applying the APN, click **Save** .

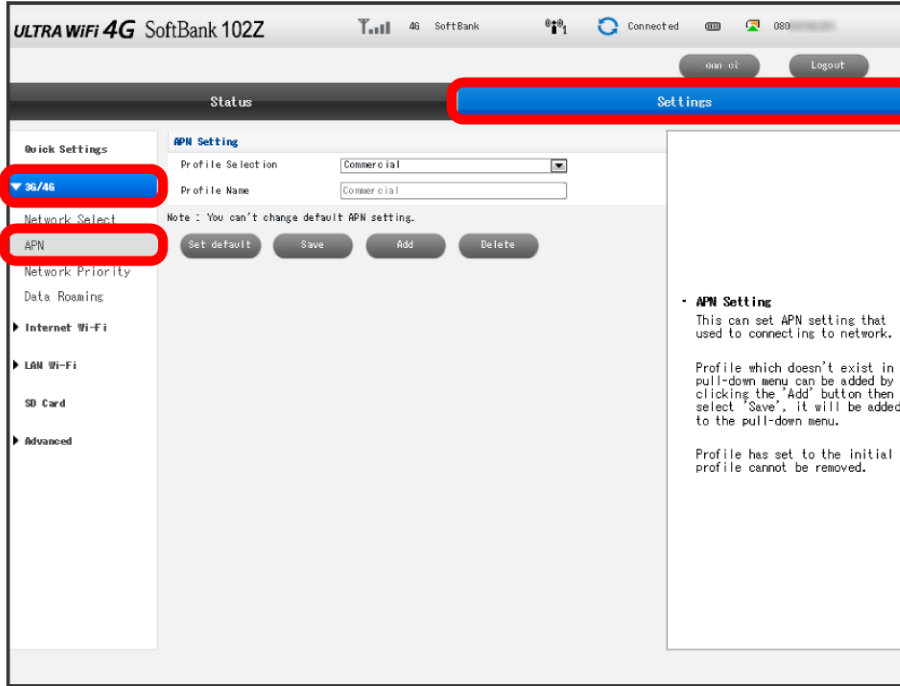
Editing Saved Profiles

Edit already saved profiles.

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

1

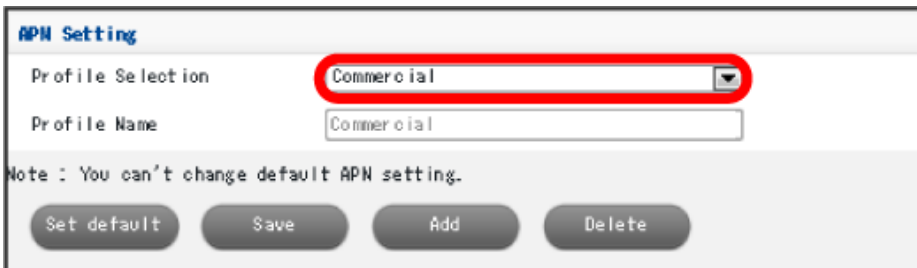
In Settings screen, **3G/4G** → **APN**



APN screen appears.

2

Select the profile to be edited



3

Edit each item [→](#) [Set default](#)

APN Setting

Profile Selection	<input type="text" value="XXXXXXXXXX"/>
Profile Name	<input type="text" value="XXXXXXXXXX"/>
APN	<input type="text" value="XXXXXXXXXX"/>
DNS	<input checked="" type="radio"/> Auto DNS <input type="radio"/> Manual DNS
Authentication	<input type="text" value="CHAP"/>
User Name	<input type="text" value="XXXXXXXXXX"/>
Password	<input type="password" value="●●●●●●●●"/>

Note : You can't change default APN setting.

[Set default](#) [Save](#) [Add](#) [Delete](#)

 Edited APN is applied.

· To only save without applying the APN, click [Save](#) .

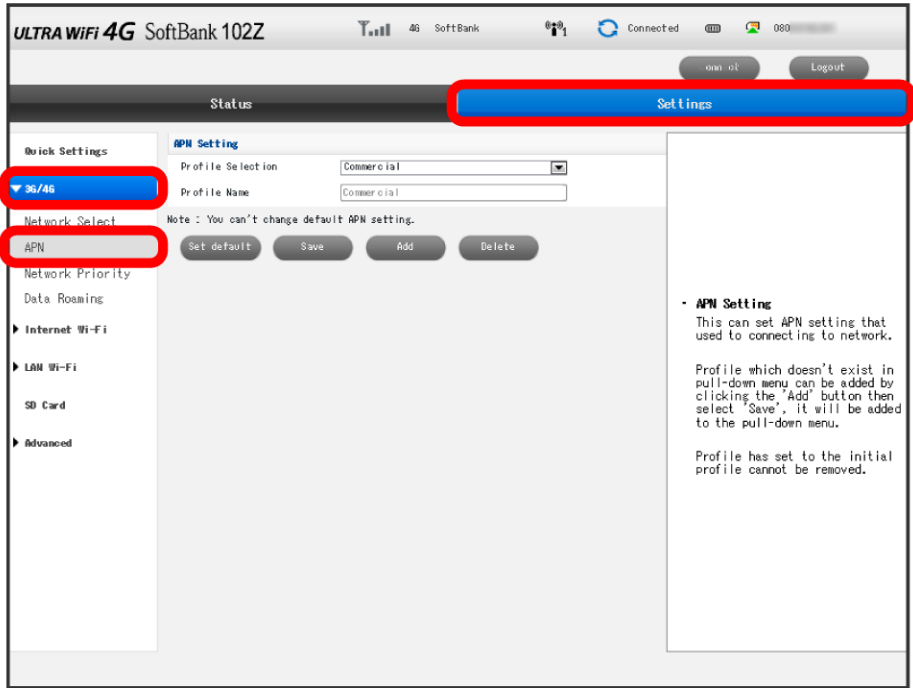
Deleting Saved Profiles

Delete already saved profiles.

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

1

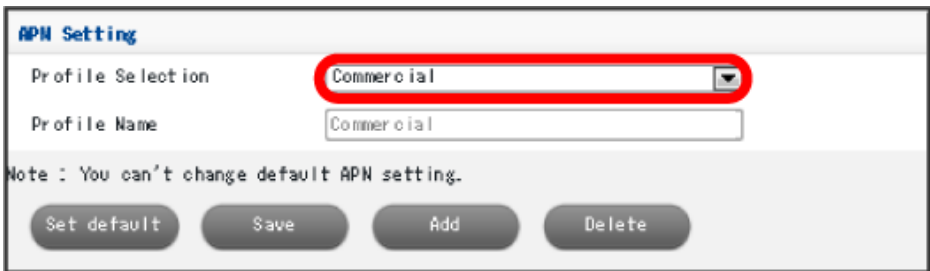
In Settings screen, 3G/4G → APN



APN screen appears.

2

Select the profile to be deleted



3

Delete

APN Setting

Profile Selection

Profile Name

APN

DNS Auto DNS Manual DNS

Authentication


User Name

Password

Note : You can't change default APN setting.

4

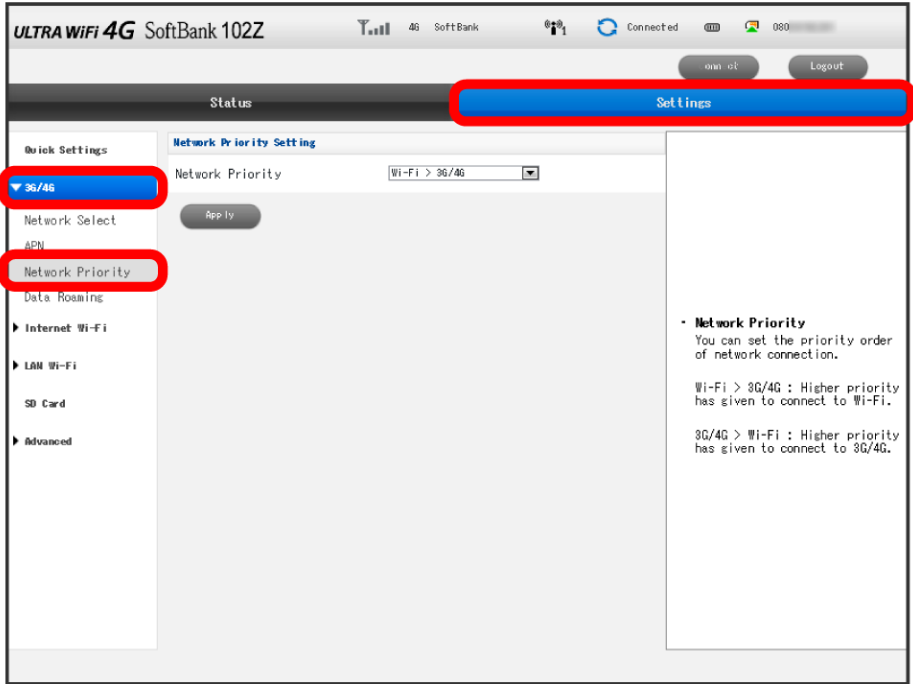
OK → OK

 The selected profile is deleted.

Network Priority

1

In Settings screen, 3G/4G → Network Priority



Network Priority screen appears.

2

Set network priority → Apply



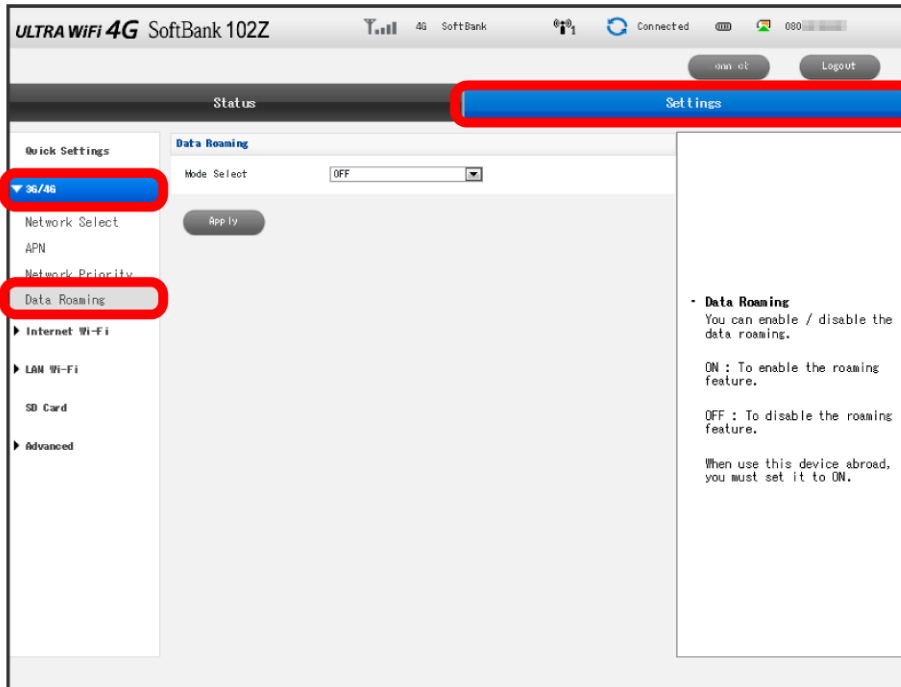
The priority is applied.

Data Roaming

Overseas, roaming service for 3G network is available.

1

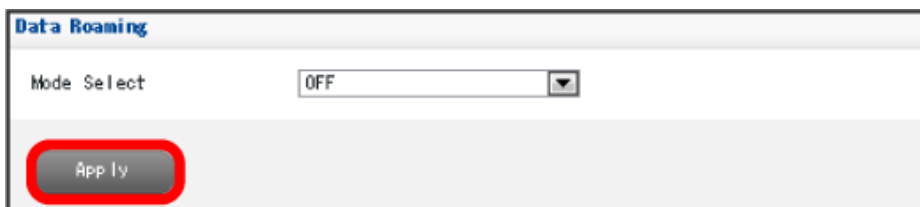
In Settings screen, **3G/4G** → **Data Roaming**



Data Roaming screen appears.

2

Select Mode → **Apply**



The selected mode is applied.

! Cautions for Use Overseas

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

Internet Wi-Fi

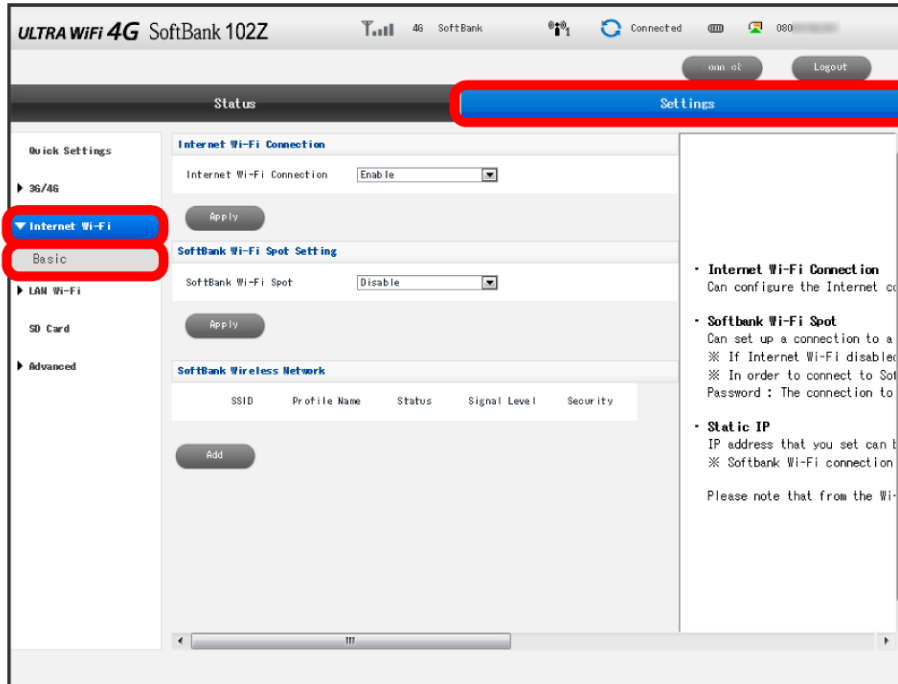
Use Wi-Fi router to connect to Wi-Fi (WLAN) routers at home and work, and to SoftBank Wi-Fi spots to connect to the Internet. This Internet connection is described here as "Internet Wi-Fi."

Basic Settings for Internet Wi-Fi

Configure basic settings for Internet Wi-Fi connection.

1

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



Basic screen of Internet Wi-Fi appears.

2

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



The setting is applied.

- SSID B is unavailable while Internet Wi-Fi is active.
- SoftBank Wi-Fi Spot cannot be accessed if Internet Wi-Fi connection is disabled.

3

Select Enable/Disable for SoftBank Wi-Fi Spot Setting → **Apply**

SoftBank Wi-Fi Spot Setting

SoftBank Wi-Fi Spot Disable ▼

Apply

🚩 The setting is applied.

- Enter password for Wi-Fi router to connect. Password is the four-digit password set in your contract.

4

Add

SoftBank Wireless Network

SSID	Profile Name	Status	Signal Level	Security
Add				

🚩 SSID Setting screen appears.

5

Enter SSID setup information → **Apply**

SSID Setting

Profile Name XXXXXXXX

SSID XXXXXXXX **Scan**

Security Mode OPEN ▼

Encrypt Type WEP ▼

Default Key Key 1 ▼

key ●●●●●●●● |

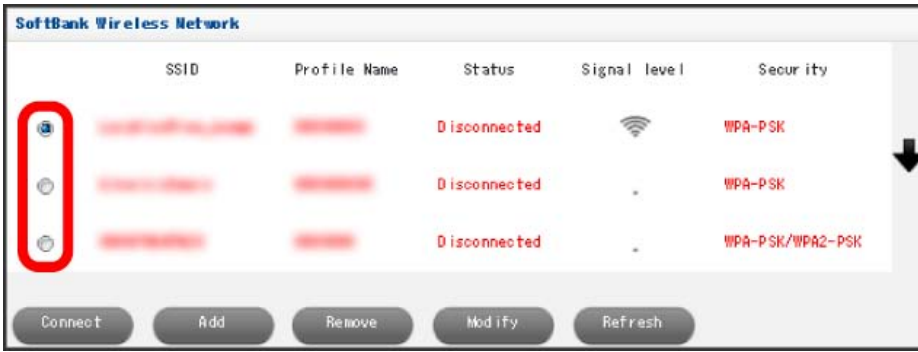
Apply Back

🚩 Display returns to Basic screen; set SSID appears in SoftBank Wireless Network list.

- Click **Scan** to search nearby access points → The search results appear in SoftBank Wireless Network list.

6

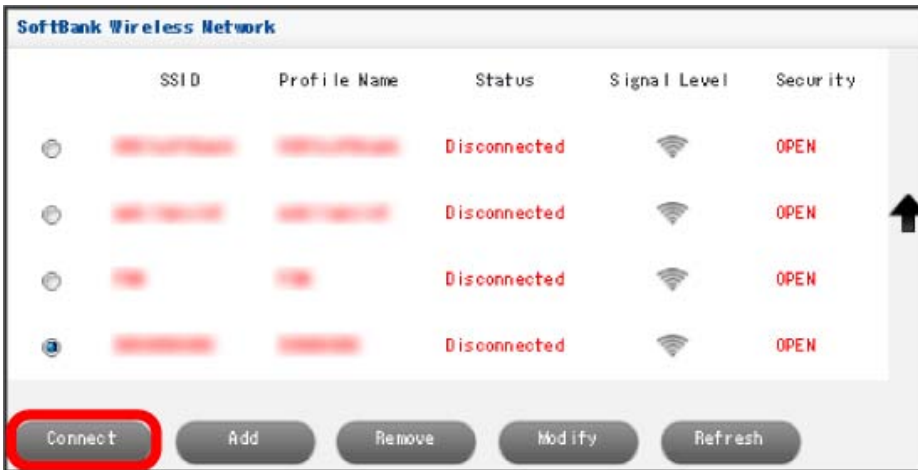
Select network to connect



- Static IP address field appears above SoftBank Wireless Network list. To connect to an access point with a specific IP address, select ON for Static IP → Configure the settings.
- Accessing SoftBank Wi-Fi Spot with a static IP address is not possible.

7

Connect

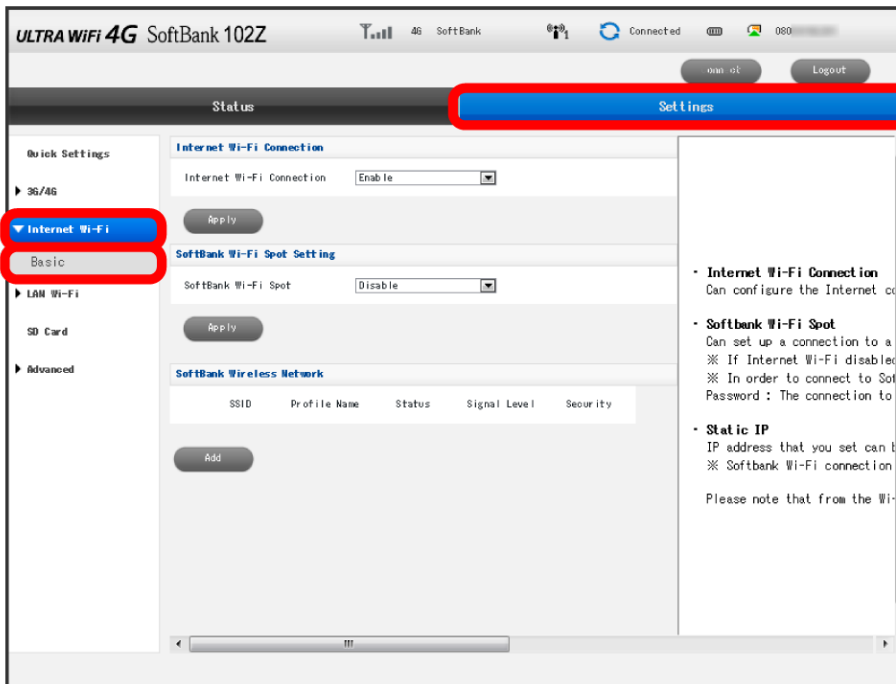


Connect to the selected network.

Setting SoftBank Wi-Fi Spots

1

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



Basic screen of Internet Wi-Fi appears.

2

To connect to Internet Wi-Fi, **Enable** → **Apply**

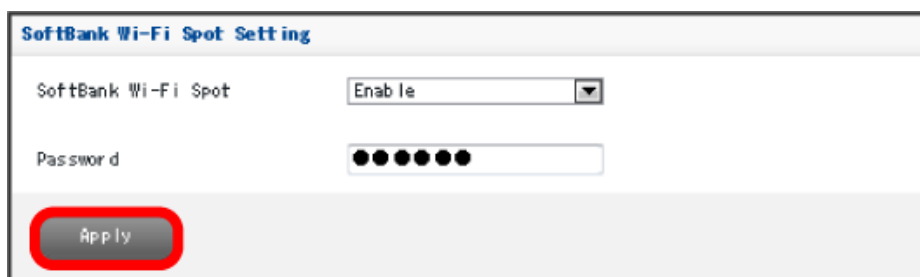


Internet Wi-Fi is activated.

· While Internet Wi-Fi is active, SSID B is unavailable.

3

Enable **SoftBank Wi-Fi Spot** → **Enter** **Password** → **Apply**



When Wi-Fi is prioritized with Network Priority settings, and if Wi-Fi router is within a SoftBank Wi-Fi Spot area, it automatically connects to the SoftBank Wi-Fi Spot.

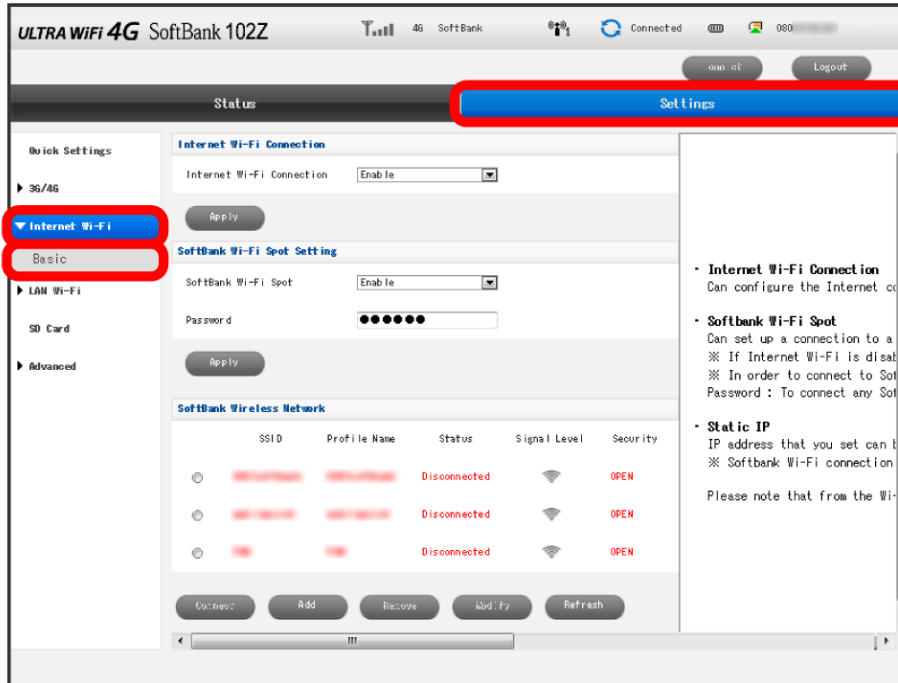
· The password is the 4-digit password set in your contract.

Connect/Disconnect Profiles

To connect profiles, **Internet Wi-Fi Connection** , needs to be **Enable** .

1

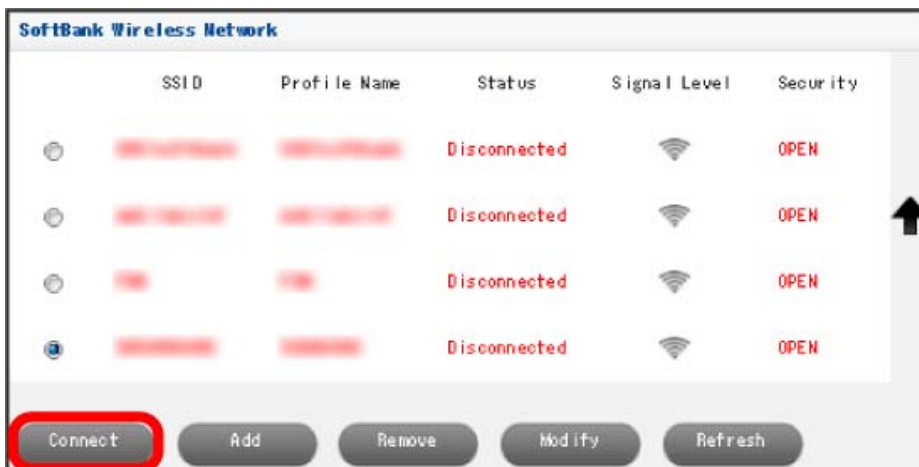
In Settings screen, **Internet Wi-Fi** → **Basic**



Basic screen of Internet Wi-Fi appears.

2

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



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

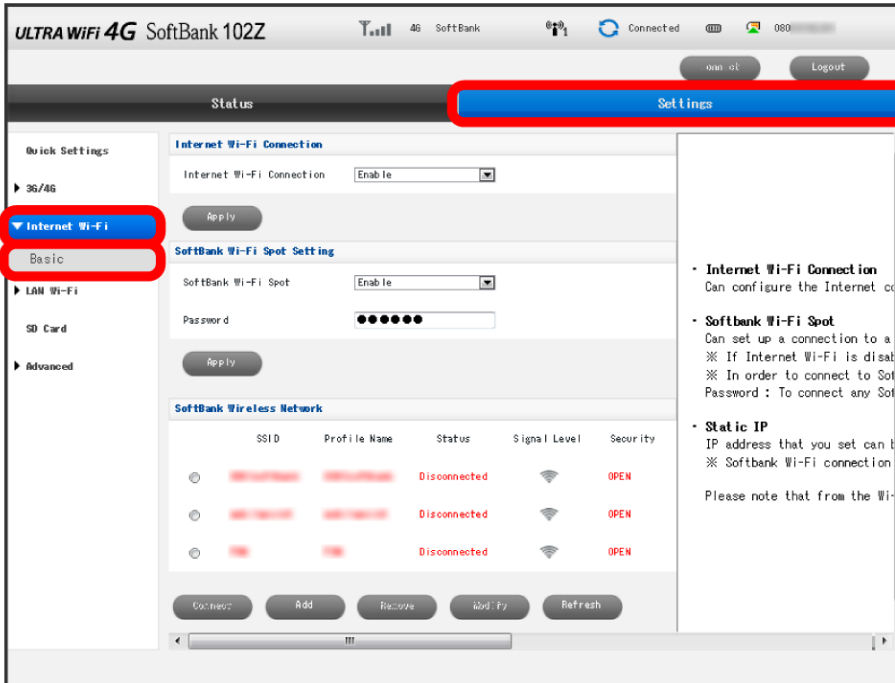
To disconnect, select profile to be disconnected → Click **Disconnect** .

Updating the Profile List

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

1

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



Basic screen of Internet Wi-Fi appears.

2

Refresh in SoftBank Wireless Network



The profile list is updated.

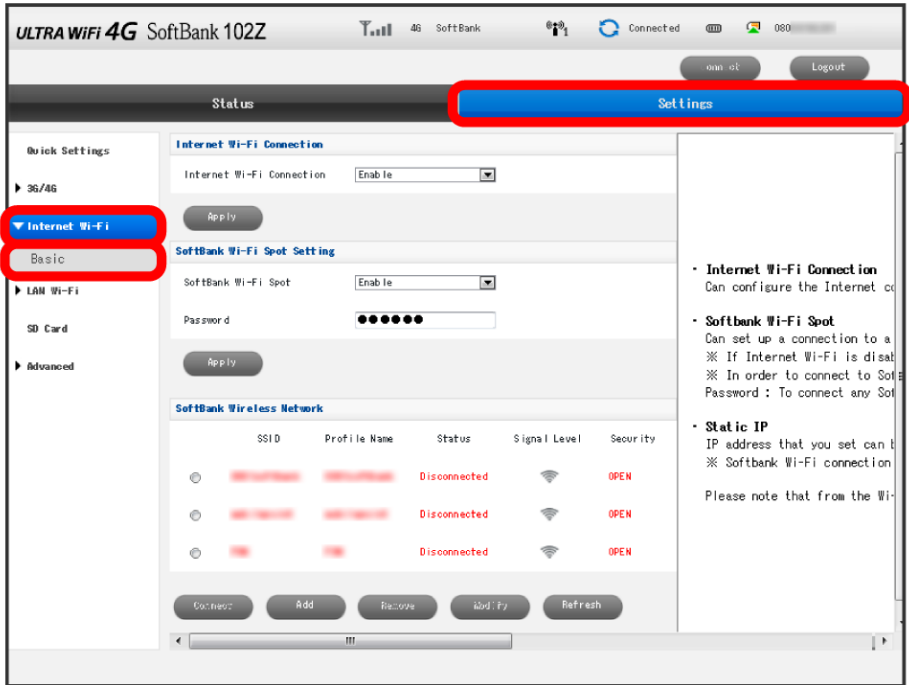
Changing Profile Connection Priority

Change connection priorities in profile lists.

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

1

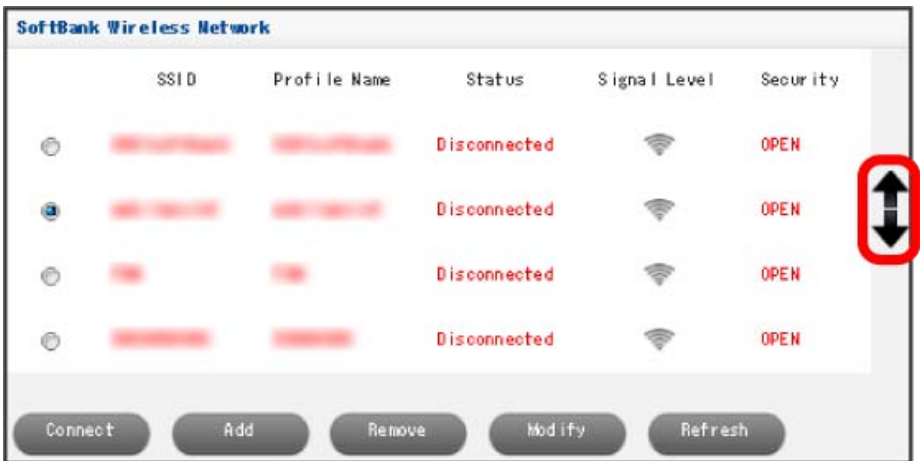
In Settings screen, **Internet Wi-Fi** → **Basic**



Basic screen of Internet Wi-Fi appears.

2

Select profile whose priority is to be modified → Click arrows to modify priority



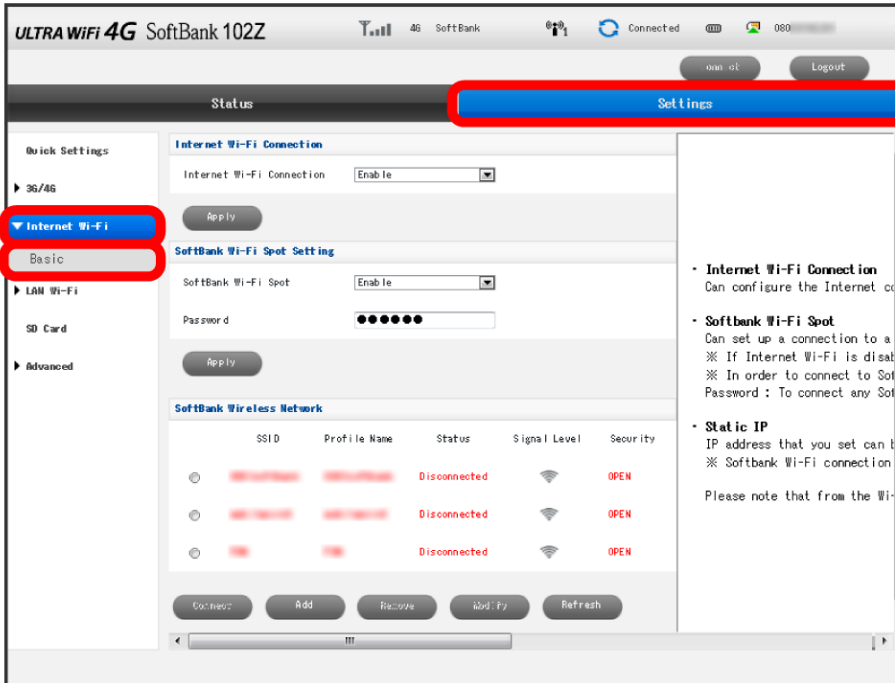
The priority changes according to the arrow clicked.

Editing Profiles

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

1

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



Basic screen of Internet Wi-Fi appears.

2

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



The SSID Setting field appears under SoftBank Wireless Network list, showing set values for the selected profile.

3

Edit as necessary →

			Disconnected		OPEN
			Disconnected		OPEN

SSID Setting

Profile Name

SSID

Security Mode

Encrypt Type

Default Key

Key

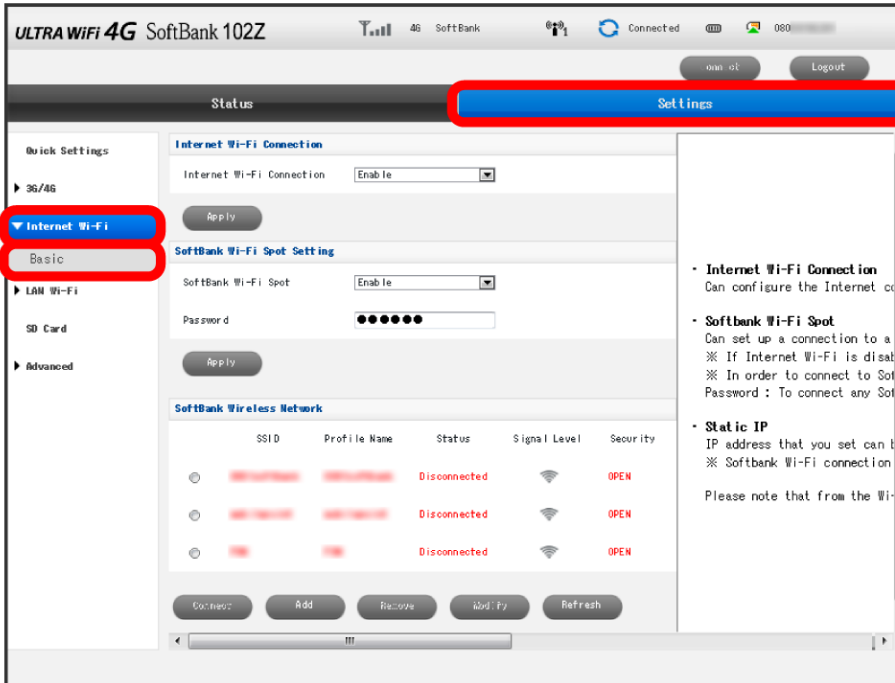
Changes are applied.

Deleting Profiles

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

1

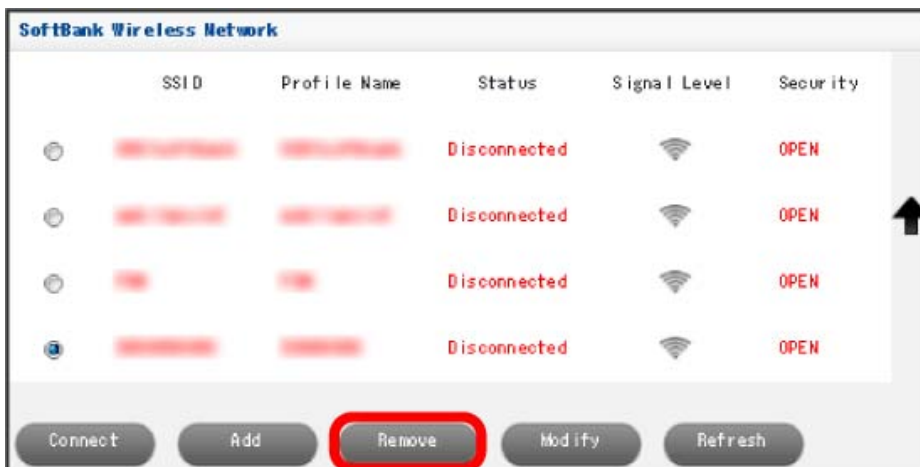
In Settings screen, **Internet Wi-Fi** → **Basic**



Basic screen of Internet Wi-Fi appears.

2

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



The selected profile is deleted.

! Internet Wi-Fi Usage Precautions

Precaution for Changing Wi-Fi Settings

Using SoftBank 102Z Utility to change Internet Wi-Fi Settings while Wi-Fi router is wirelessly connected to the device may close the Wi-Fi (WLAN) connection. Reconnect Wi-Fi router to re-establish Wi-Fi (WLAN) connection.

Internet Wi-Fi connections

With SoftBank 102Z Utility, when Internet Wi-Fi functions (including SoftBank Wi-Fi Spots) are activated from being inactive, Wi-Fi (WLAN) connections for PCs, game devices, smartphones, etc. are momentarily disconnected, and then reconnected.

LAN Wi-Fi

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

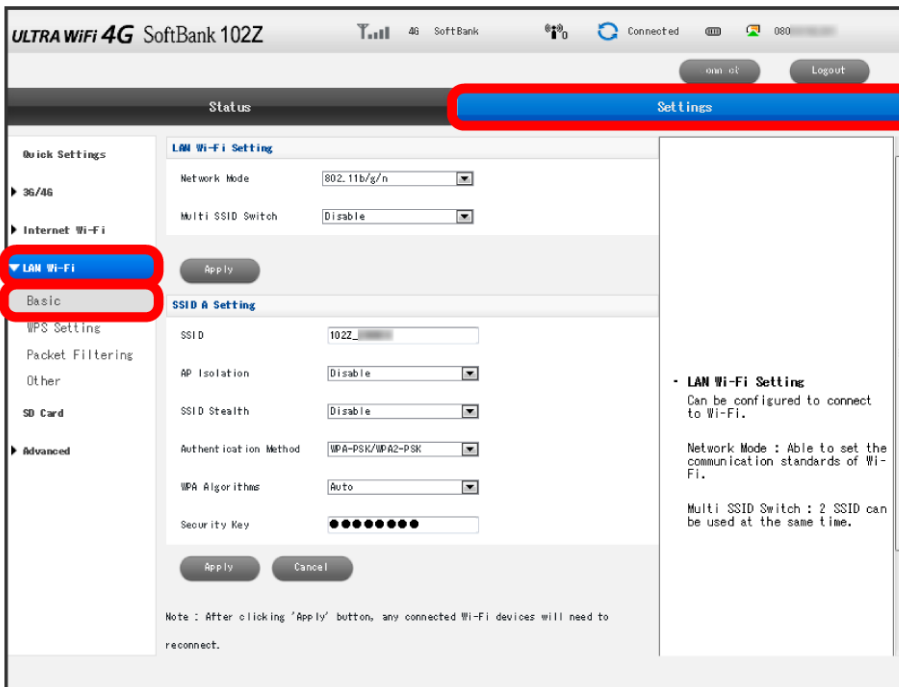
Wi-Fi (WLAN) devices connected to Wi-Fi router use Wi-Fi router's Internet Wi-Fi functions to access the Internet.

Basic Settings for Wi-Fi (WLAN)

Set a network mode and SSID.

1

In Settings screen, LAN Wi-Fi → Basic



Basic screen of LAN Wi-Fi appears.

2

Select a network mode and Enable/Disable for Multi SSID Switch → Apply



The settings are applied.

3

Set SSID settings → Apply

SSID A Setting

SSID: 1022_

AP Isolation: Disable

SSID Stealth: Disable

Authentication Method: WPA-PSK/WPA2-PSK

WPA Algorithms: Auto

Security Key: ●●●●●●●●●●

Apply Cancel

☑ The settings are applied.

- If Multi SSID Switch is set to **Enable** , SSID B can be set.
- If Multi SSID Switch is set to **Enable** , connecting to WPS supported devices in WPS mode is not possible.

Configuring Settings for Connecting WPS Supported Wi-Fi Devices

WPS functions are unavailable with the default settings. Change the authentication method to use the functions.
To connect WPS supported Wi-Fi devices, see "Connecting WPS Supported Wi-Fi Devices."

1

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



Basic screen of LAN Wi-Fi appears.

2

In SSID A setting, if **NO ENCRYPTION** is selected for **Authentication Method**, or if something other than **NO ENCRYPTION** is selected, select **AES** for **WPA Algorithms** → **Apply**



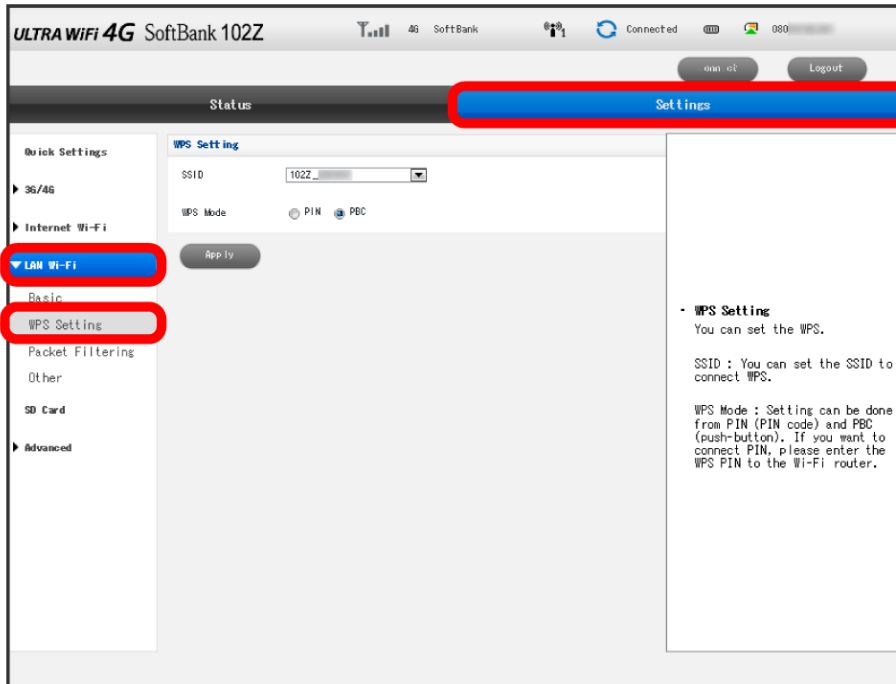
The settings are applied, and setting is completed to use WPS functions.

If the authentication method is set to **SHARED** or **OPEN WEP**, WPS functions are unavailable.

WPS Setting

1

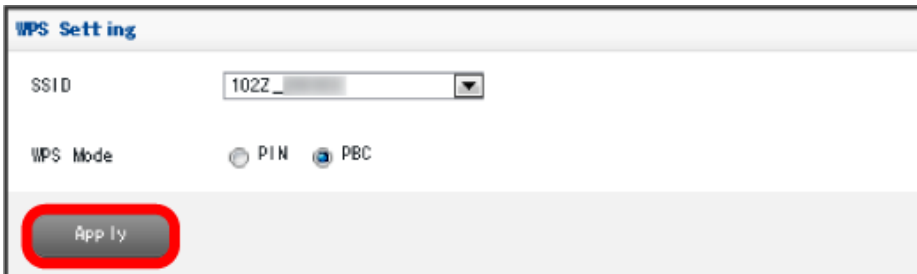
In Settings screen, LAN Wi-Fi → WPS Setting



WPS Setting screen appears.

2

Select SSID and WPS Mode (connection method) → Apply



The settings become effective.

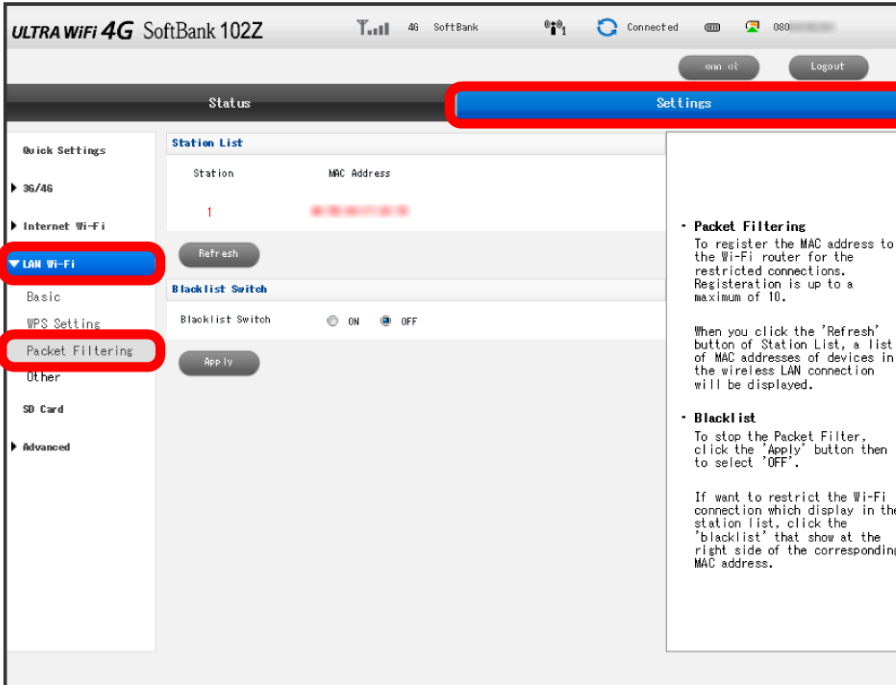
- If PIN is selected, WPS PIN field appears. Enter the PIN code specified for WPS supported devices.
- If Multi SSID Switch is set to **Enable**, connecting to WPS supported devices in WPS mode is not possible.

Packet Filtering

Register Wi-Fi (WLAN) device MAC addresses to be restricted from connecting to Wi-Fi router. Register up to ten devices.

1

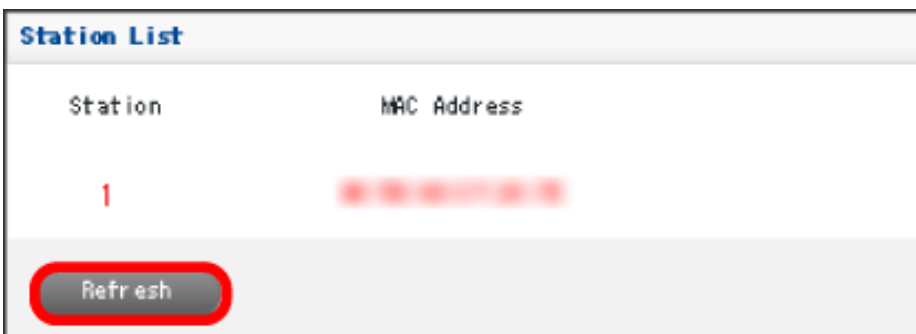
In Settings screen, LAN Wi-Fi → Packet Filtering



Packet Filtering screen appears.

2

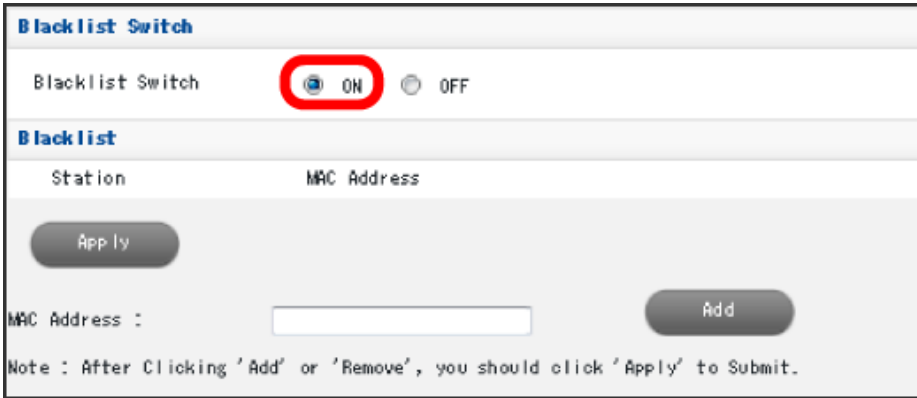
Refresh



A list appears of Wi-Fi (WLAN) device MAC addresses connected to Wi-Fi router.

3

Select ON for Blacklist Switch

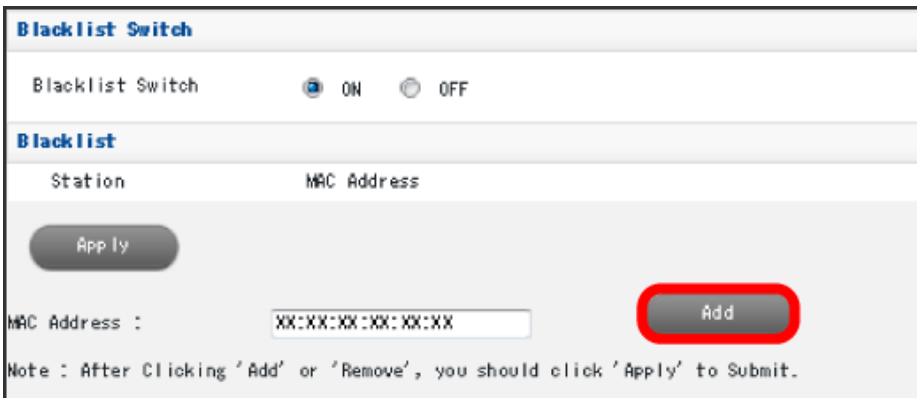


Blacklist appears.

To stop packet filtering, select OFF .

4

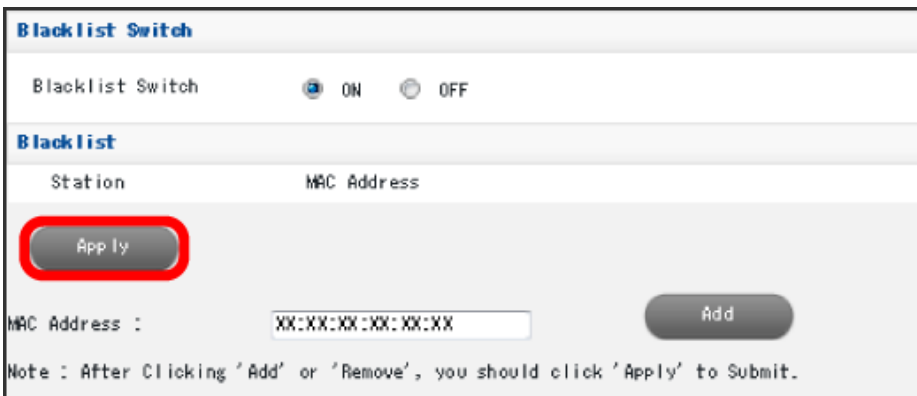
Enter MAC address to restrict



The MAC address is added to Blacklist.

If Wi-Fi (WLAN) devices to restrict connection are listed in Station List, click to the right of the MAC address to add them to Blacklist.

5

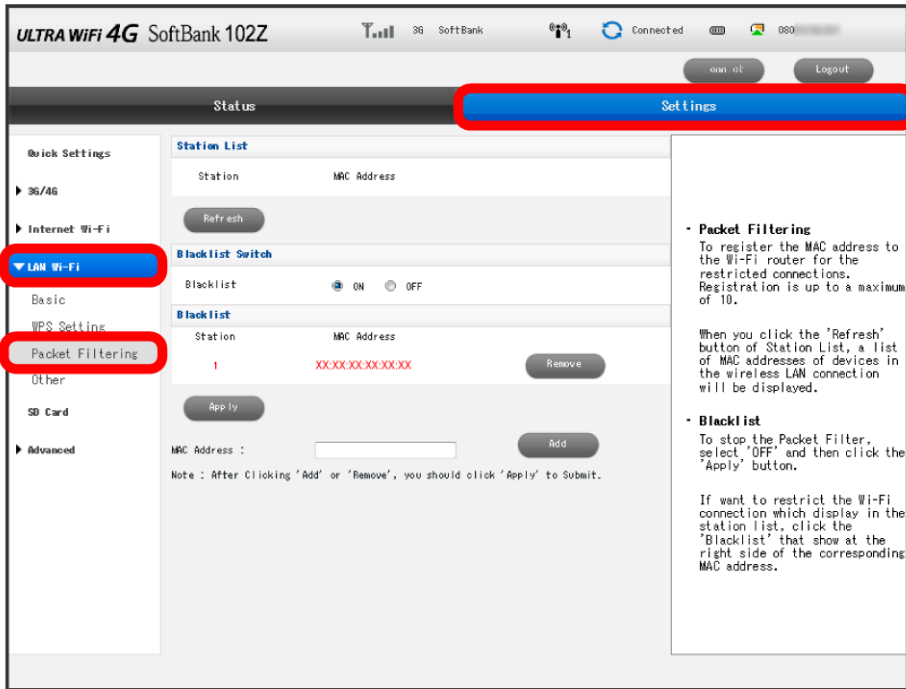


Filtering is applied for Wi-Fi (WLAN) devices registered on Blacklist.

Deleting MAC Addresses Set for Packet Filtering

1

In Settings screen, LAN Wi-Fi → Packet Filtering



Packet Filtering screen appears.

2

Click **Remove** to the right of the MAC addresses to be deleted from the Blacklist → **Apply**



The MAC address is deleted from the Blacklist, and is no longer subject to filtering.

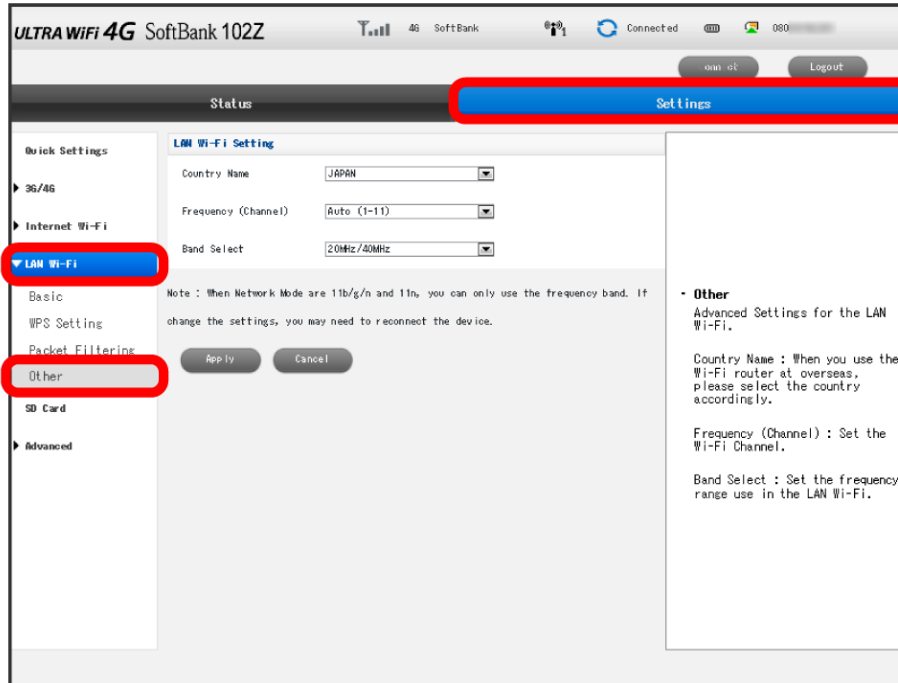
Other

Set a country name, channel, and frequency band for Internet Wi-Fi.

- If Internet Wi-Fi connection functions are active, these cannot be set.

1

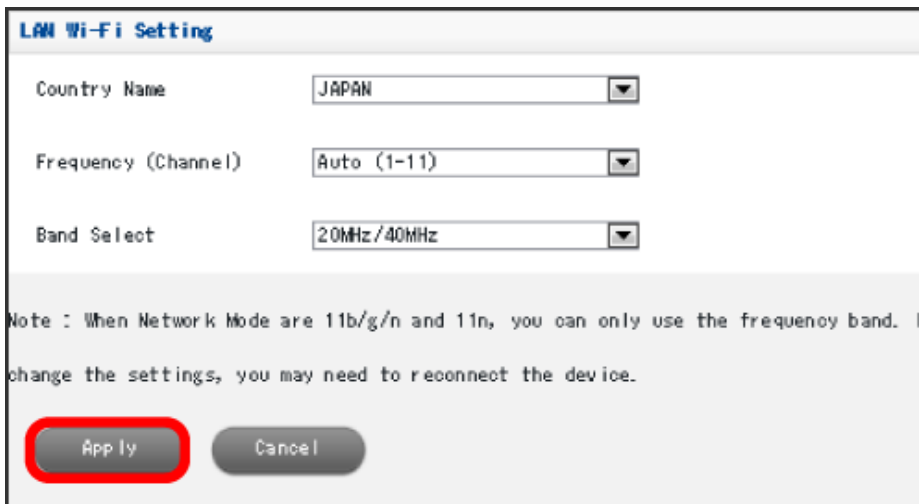
In Settings screen, LAN Wi-Fi → Other



Other screen appears.

2

Select Country Name, Channel, and Band Select → Apply



The settings are applied.

- If Network Mode is set to 802.11n or 802.11b/g/n, Band Select can be set. When changing settings, reconnect Wi-Fi (WLAN) devices.

Memory Card Sharing (SD Card)

Memory Card Sharing

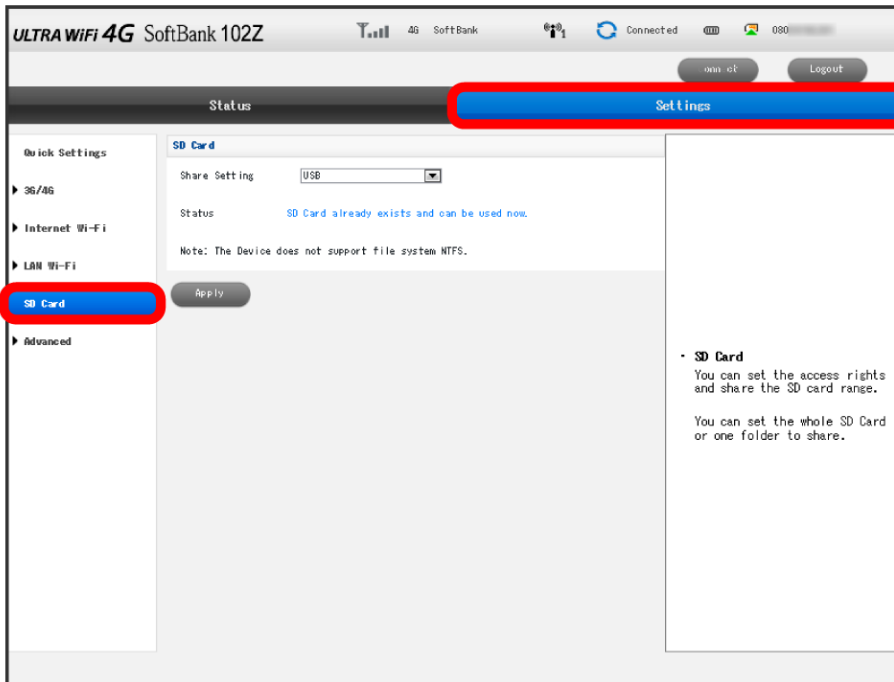
There are two methods of Memory Card sharing; USB and HTTP SHARE.

If set to USB, Wi-Fi router can be used as USB flash memory by connecting to a PC with a Micro USB Cable.

If set to HTTP SHARE, data can be passed between Wi-Fi router and PC via SoftBank 102Z Utility. With HTTP SHARE, the scope of memory card sharing and access privileges can be set.

1

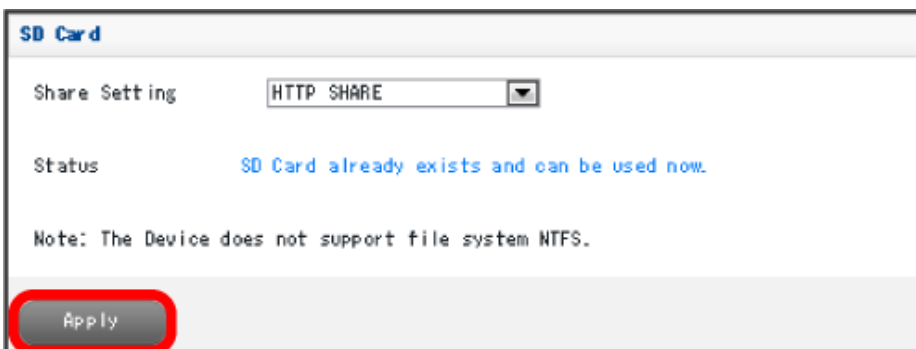
In Settings screen, **SD Card**



SD Card sharing method settings screen appears.

2

Select a sharing method → **Apply**



When **HTTP SHARE** selected, SD Card Sharing field appears.

3

Set a sharing range, access type, etc. → Apply

SD Card

SD Card Sharing	Enabled
File to Share	Custom Setting
Access Type	Read Only
Path to Share	[Blurred]

Apply

🚩 The settings are applied.

- When SD Card Sharing is disabled, other items are hidden.

Advanced Settings

Configure various settings including a router, sleep timer, and administrator password.

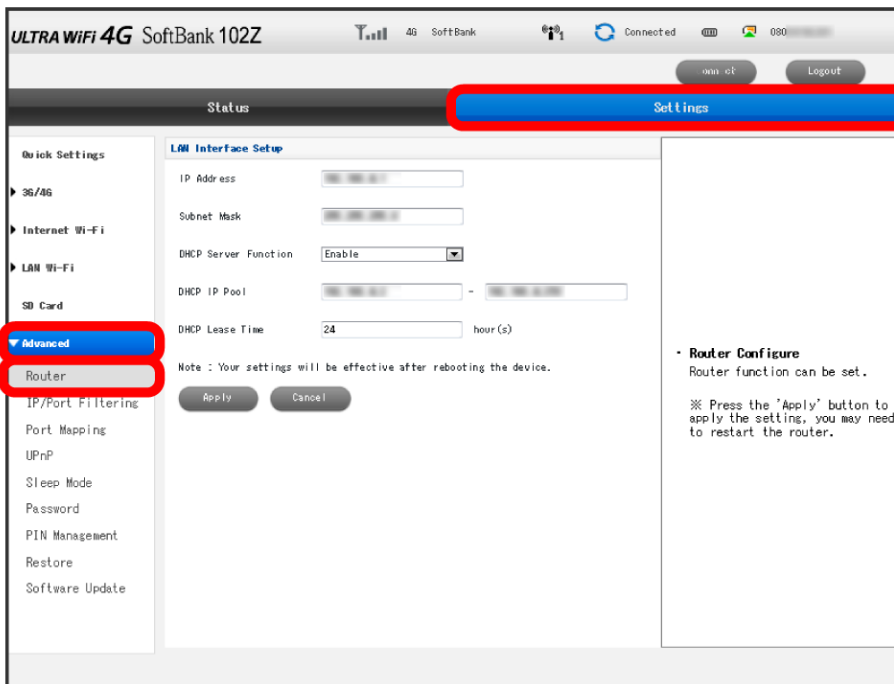
LAN Interface Setup (Router)


Configure router settings. The settings cannot be changed during Internet use.
Items are as follows.

Items	Description
IP Address	Set private IP address
Subnet Mask	Set subnet mask
DHCP Server Function	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, **Advanced** → **Router**



 Router screen appears.

2

Configure the settings →

LAN Interface Setup

IP Address

Subnet Mask

DHCP Server Function

DHCP IP Pool -

DHCP Lease Time hour(s)

Note : Your settings will be effective after rebooting the device.

🚩 Settings are saved.

- Restart Wi-Fi router to activate saved settings.

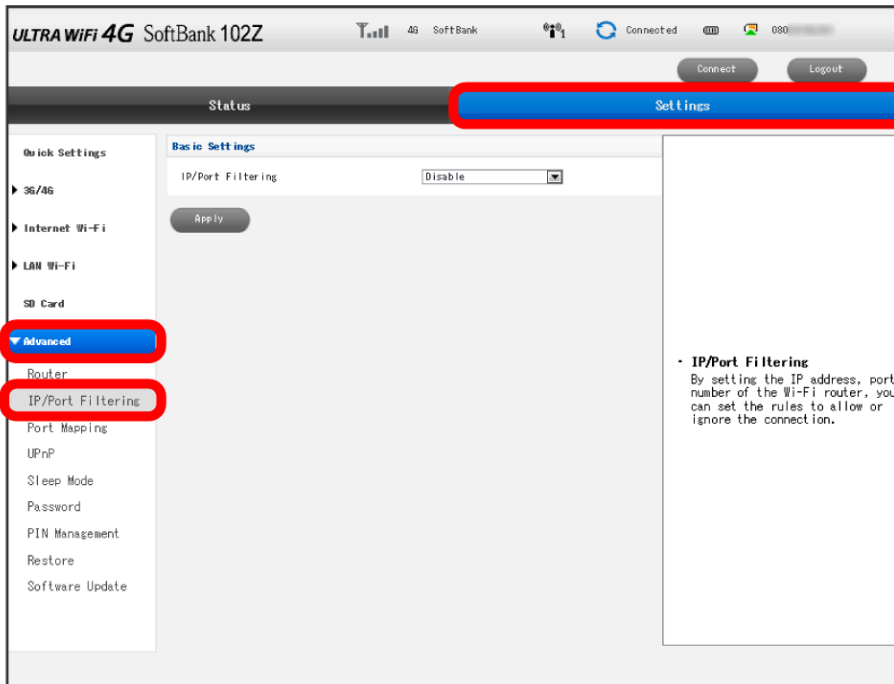
IP/Port Filtering Setting


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

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

1

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



 IP/Port Filtering screen appears.

2

Set Basic Settings →

Basic Settings

IP/Port Filtering

Default Policy -- The packet that doesn't match with any rules would be:

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

- If IP/Port Filtering is set to , IP/Port Filtering Setting field appears.
- Select for IP/Port Filtering to show Default Policy.

3

Configure IP/Port Filtering Setting →

IP/Port Filtering Setting

Dest. IP Address

Source IP Address (eg: 192. 168. 4. 101)

Protocol

Dest. Port Range - (1~65535)

Source Port Range - (1~65535)

Action

Comment

The maximum rule count is 10.

Applied rules appear on Current IP/Port Filtering Rules in System.

- Set up to ten rules.

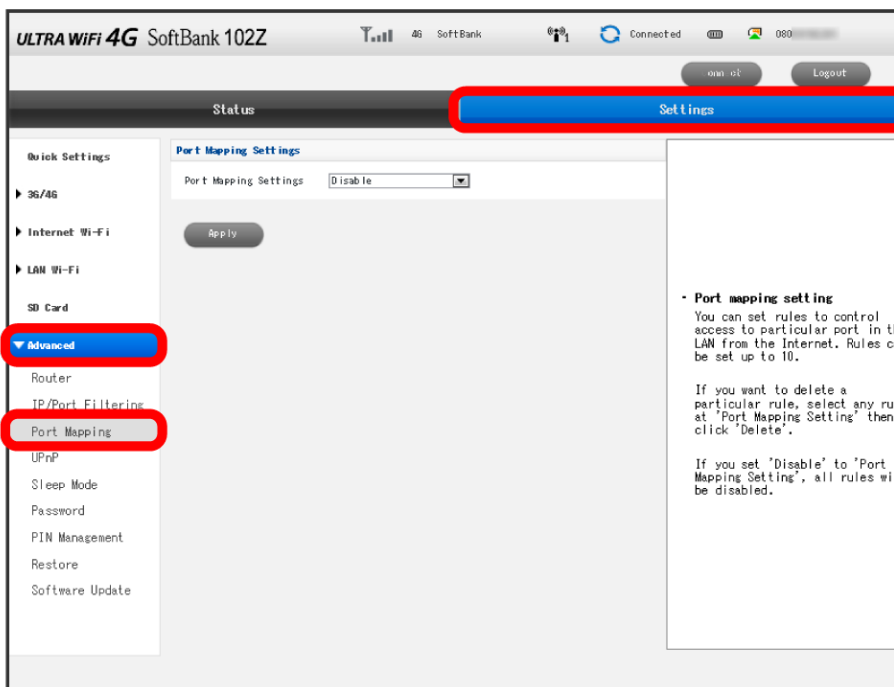
Port Mapping Settings


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.

Item	Description
Port Mapping 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, **Advanced** → **Port Mapping**



 Port Mapping screen appears.

2

Configure the settings → **Apply**

Port Mapping Settings

Port Mapping Settings: Enable ▼

Src. Port: (1~65535)

Dest. IP Address: (eg: 192.168.4.101)

Dest. Port: (1~65535)

Protocol: TCP+UDP ▼

Comment:

The maximum rule count is 10.

Apply

Current Port Mapping Rules in System:

No.	Src. Port	Dest. IP Address	Dest. Port	Protocol	Comment
<div style="display: flex; gap: 10px;"> <div style="border: 1px solid gray; border-radius: 10px; padding: 2px 10px;">Delete</div> <div style="border: 1px solid gray; border-radius: 10px; padding: 2px 10px;">Reset</div> </div>					

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

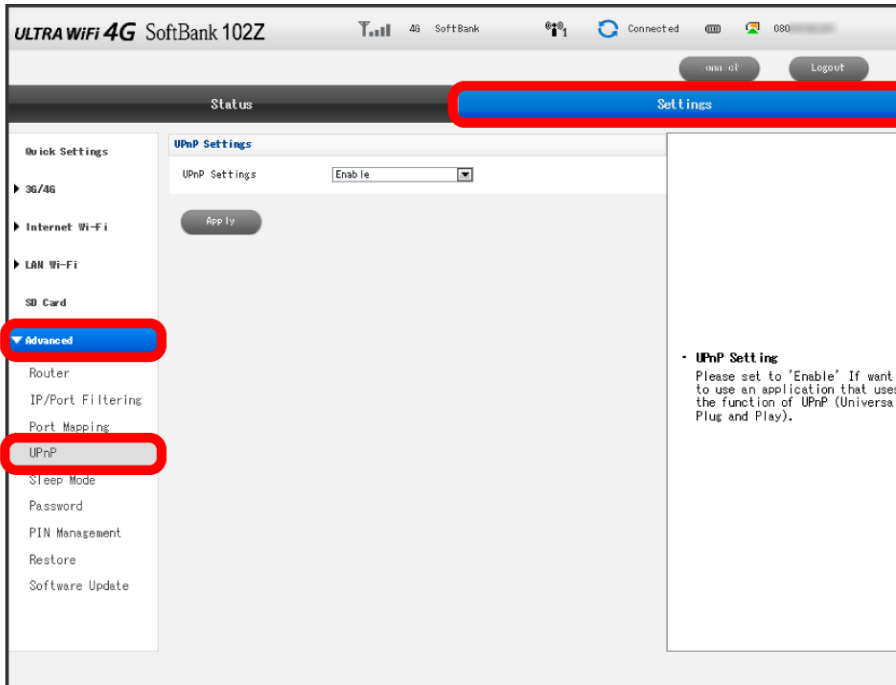
- To delete specific rules, check the checkbox corresponding to the rules to delete → **Delete**.
- Set **Port Mapping Settings** to **Disable** to disable all rules.

UPnP Settings

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

1

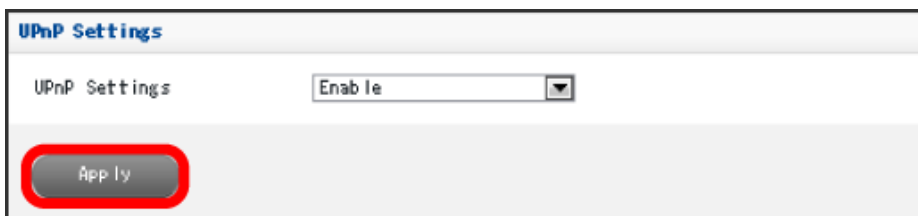
In Settings screen, **Advanced** → **UPnP**



🚩 UPnP screen appears.

2

Select **Enable** / **Disable** → **Apply**



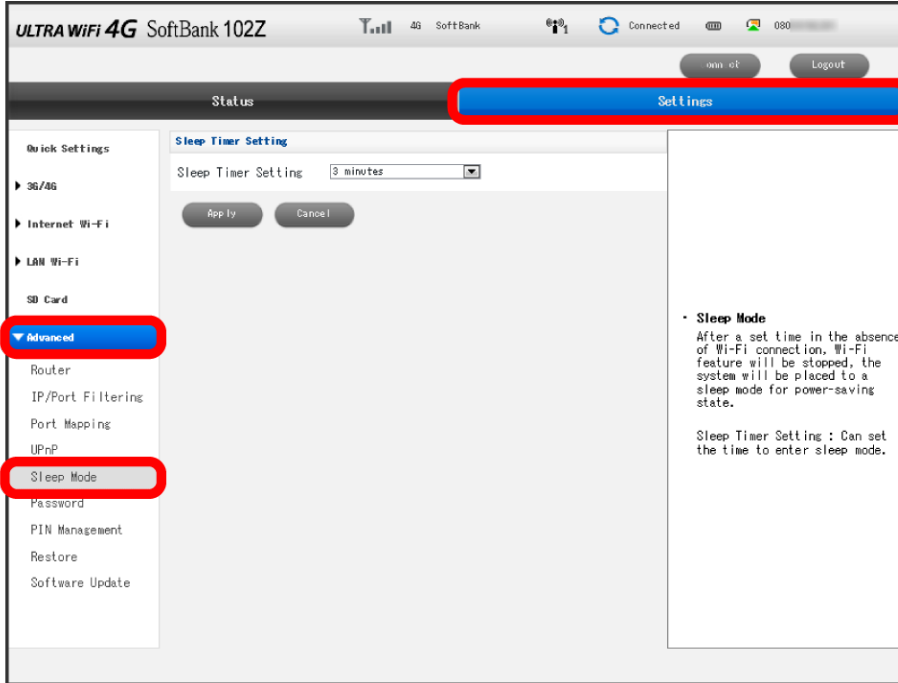
🚩 The setting is applied.

Sleep Timer Setting (Sleep Mode)

If there have been no transmissions or operation of Wi-Fi router, or if Battery has not been charged, Wi-Fi router enters Sleep mode to save power. Set Sleep mode activation timer.

1

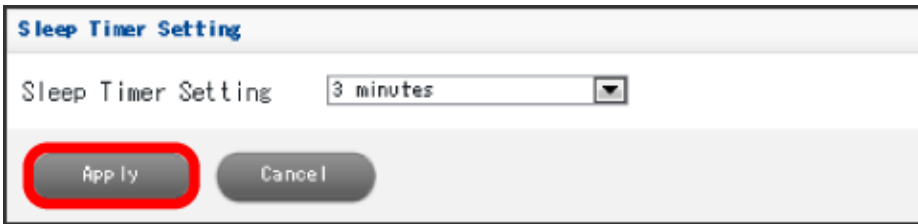
In Settings screen, **Advanced** → **Sleep Mode**



☑ Sleep Mode screen appears.

2

Set Sleep Timer Setting → **Apply**



☑ The setting is applied.

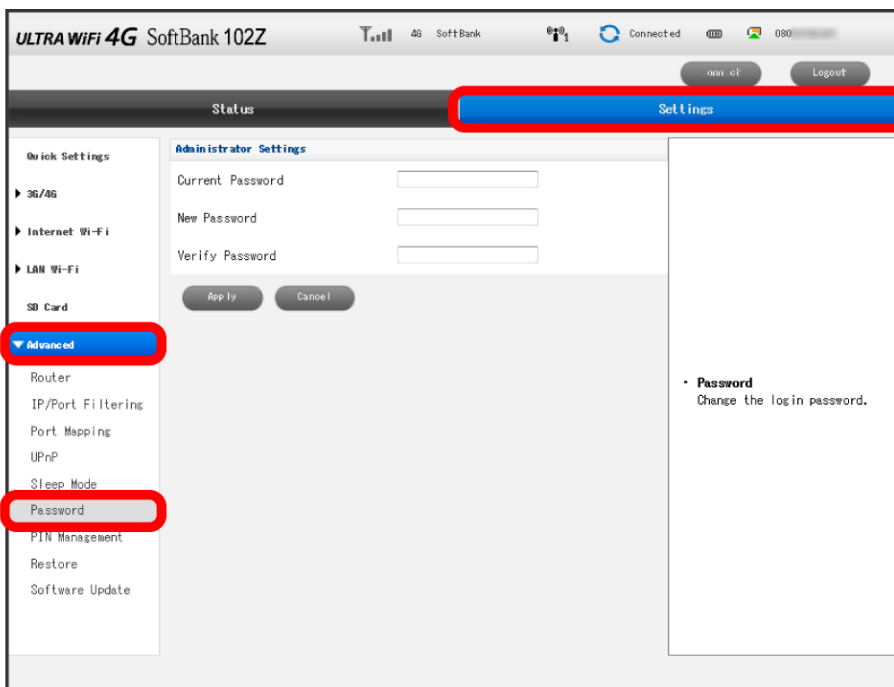
Administrator Settings (Password)

Change SoftBank 102Z Utility default Administrator Password ("admin").
Items are as follows.

Items	Description
Current Password	Enter current Password
New Password	Enter a new Password
Verify Password	Enter the new Password for confirmation

1

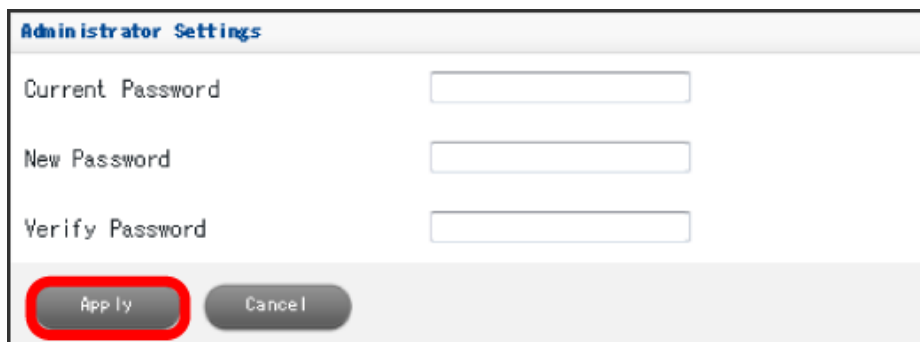
In Settings screen, **Advanced** → **Password**



🚩 Password screen appears.

2

Enter each item → **Apply**



🚩 The settings are applied.

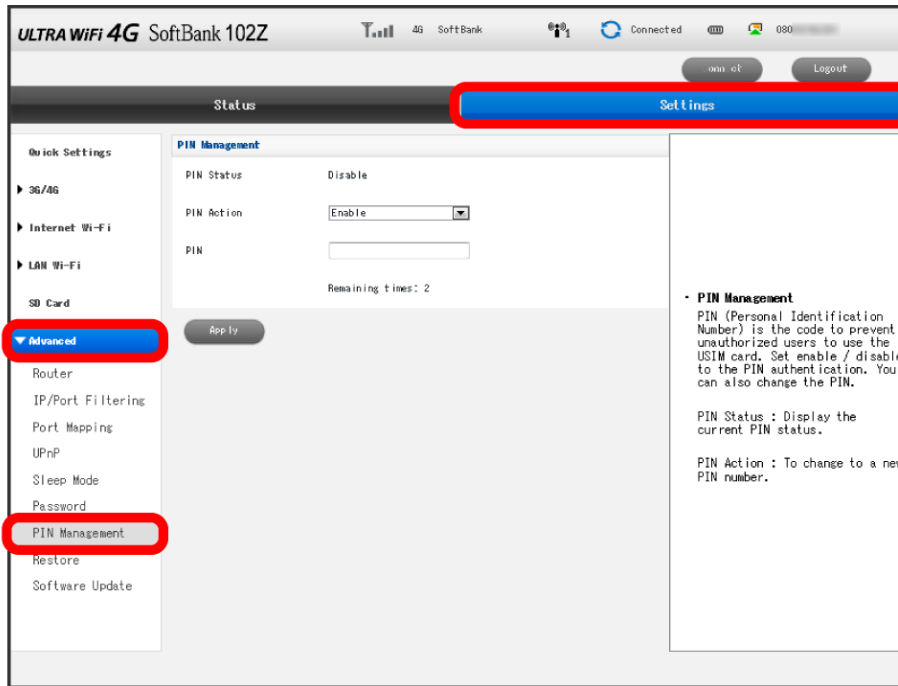
PIN Management Setting

Personal Identification Number (PIN) is the USIM security code. Change PIN, or Enable/Disable PIN Authentication to control USIM access.

- Note that once PIN Authentication enabled, Wi-Fi router cannot be used 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 [SoftBank Customer Support](#). 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 [SoftBank Customer Support](#).

1

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



PIN Management screen appears.

2

Select PIN Action → Enter PIN, as necessary → **Apply**



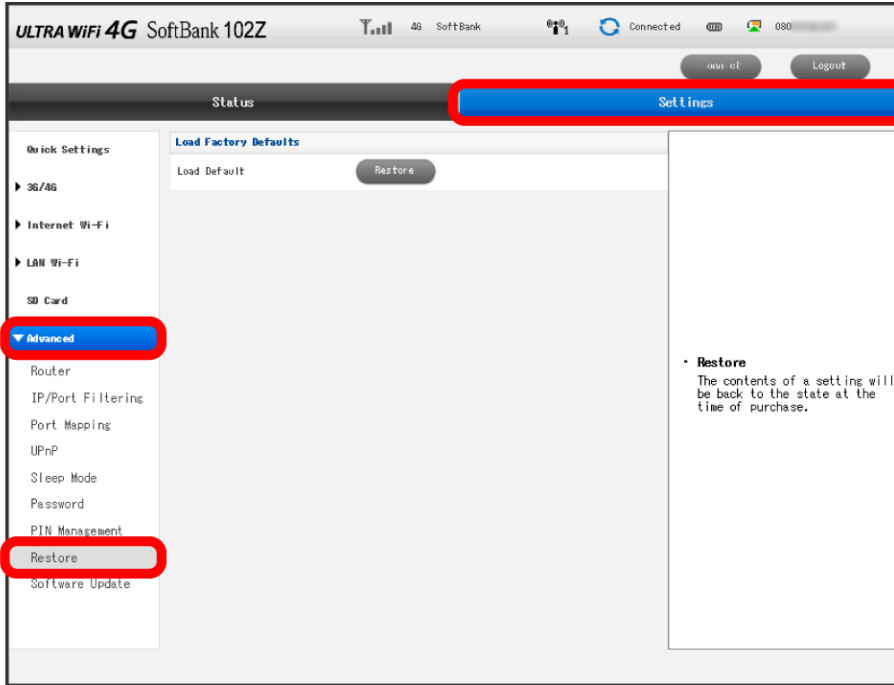
The setting is applied.

Restoring Factory Defaults

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

1

In Settings screen, **Advanced** → **Restore**



Restore screen appears.

2

Restore



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

Software Update Information

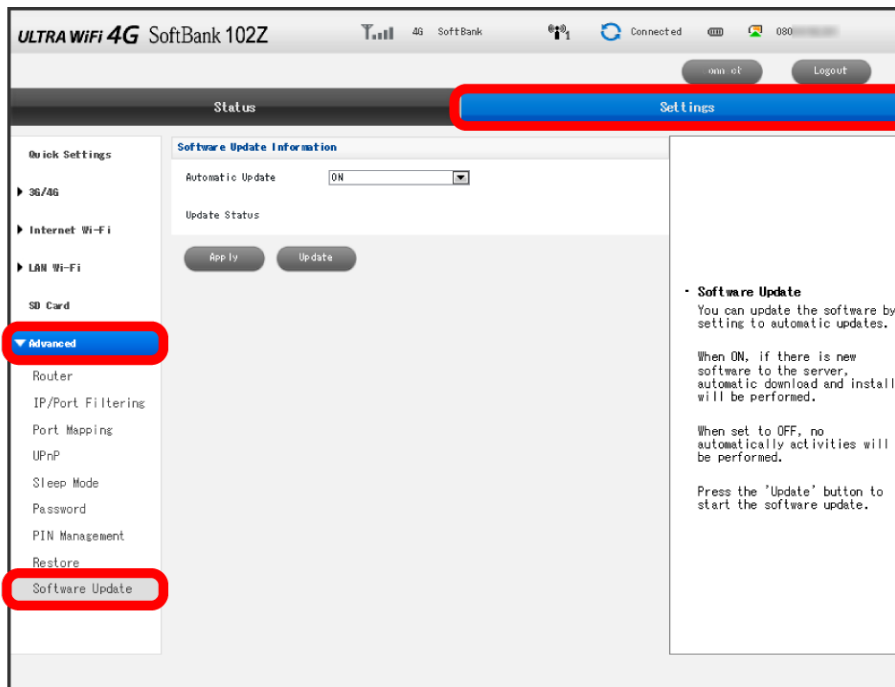
Set Software Update.

If automated software update is set to **ON**, Wi-Fi router periodically checks for updates, and when new updates are available, it automatically updates the software. If it is set to **OFF**, it does not check for updates.

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

1

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



Software Update screen appears.

2

Select **ON** / **OFF** for Automatic Update → **Apply**



Settings are updated.

- Click **Update** to start Software Update.

Mobile Utility

Access SoftBank 102Z Utility via smartphone to show SoftBank 102Z Utility for mobile.

Activating SoftBank 102Z Utility via Mobile Devices


1

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

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

2


Press 

 In Display, URL of SoftBank 102Z Utility appears.

3

Enter the URL in Browser's Address Bar

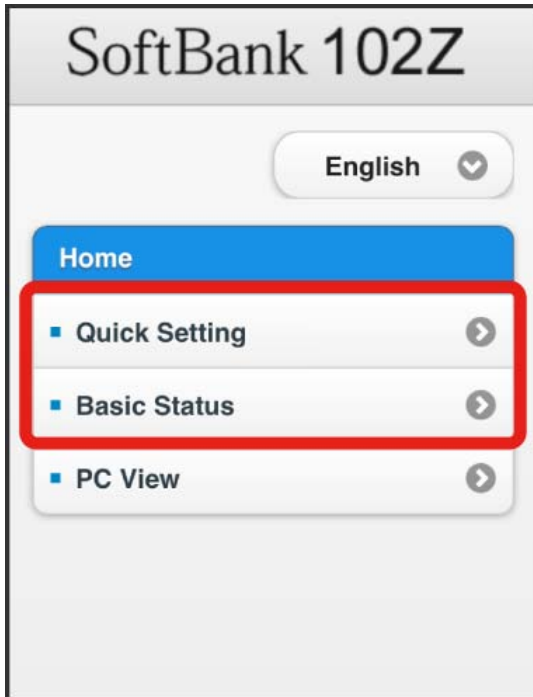



 SoftBank 102Z Utility Home screen opens.

Logging in to SoftBank 102Z Utility via Mobile Devices


1

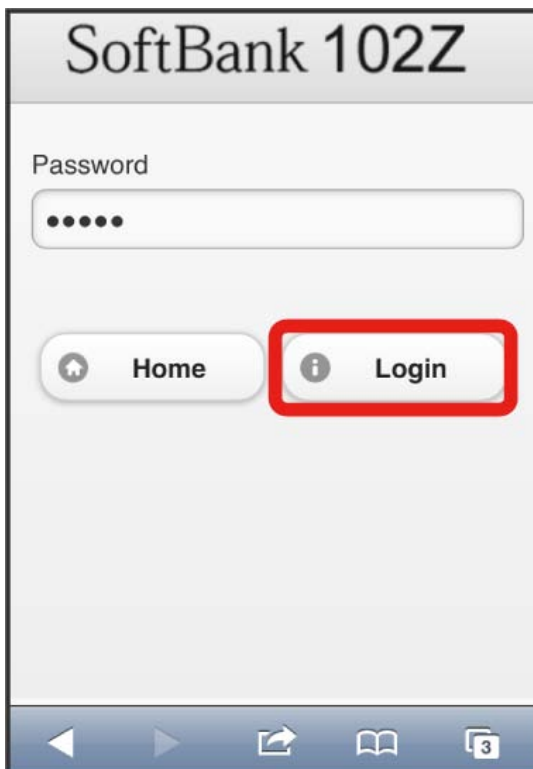
In Home screen, tap **Quick Setting** or **Basic Status**




 Login screen appears.

2

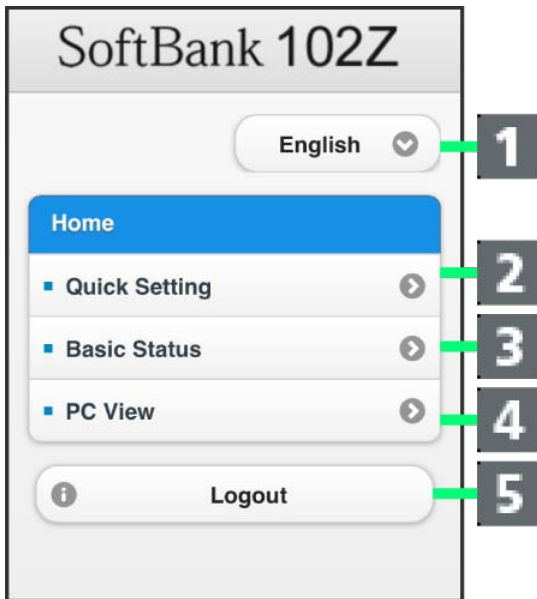
Enter administrator password  **Login**



 A screen for the menu tapped in step 1 appears.

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

SoftBank 102Z Utility Window for Mobile



Items	Description
1 Language	Select Language for Display
2 Quick Setting	Show Quick Setting screen
3 Basic Status	Show Basic Status
4 PC View	SoftBank 102Z Utility for PC opens Some functions are unavailable depending on browser
5 Logout	Log out SoftBank 102Z Utility

Setting Ranges & Default Values

The setting ranges and default values for each item in SoftBank 102Z Utility's **Advanced Settings** are listed.

Router

LAN Interface Setup

IP Address

Subnet Mask

DHCP Server Function

DHCP IP Pool -

DHCP Lease Time hour(s)

Note : Your settings will be effective after rebooting the device.

Items	Setting Range/Default
IP Address	Options : Four sets of numbers (0 to 255) Default : 192.168.4.1
Subnet Mask	Options : Four sets of numbers (0 to 255) Default : 255.255.255.0
DHCP Server Function	Options : Enable/Disable Default : Enable
DHCP IP Pool	Options : Four sets of numbers (0 to 255) •Starting IP address value must be smaller than ending IP address •Do not include LAN IP address in pool •Starting IP address and ending IP address must be in LAN subnet pool Default : 192.168.4.2–192.168.4.253
DHCP Lease Time	Options : 1 to 65535 Default : 24

IP/Port Filtering

Basic Settings

IP/Port Filtering

Default Policy -- The packet that doesn't match with any rules would be:

IP/Port Filtering Setting

Dest. IP Address

Source IP Address (eg: 192.168.4.101)

Protocol

Dest. Port Range - (1~65535)

Source Port Range - (1~65535)

Action

Comment

Items	Setting Range/Default
IP/Port Filtering	Options : Disable, Enable Default : Disable
Default Policy	Options : Dropped, Accepted Default : Accepted
Dest. IP Address	Options : Four sets of numbers (0 to 255) Default : -
Source IP Address	Options : Four sets of numbers (0 to 255) Default : -
Protocol	Options : TCP, UDP, ICMP Default : TCP
Dest. Port Range	Options : 1 to 65535 Default : 1-65535
Source Port Range	Options : 1 to 65535 Default : 1-65535
Action	Options : Drop, Accept Default : Drop
Comment	Options : Alphanumerics Default : -

Port Mapping

Port Mapping Settings

Port Mapping Settings

Src. Port (1~65535)

Dest. IP Address (eg:192.168.4.101)

Dest. Port (1~65535)

Protocol

Comment

Items	Setting Range/Default
Port Mapping Settings	Options : Disable, Enable Default : Disable
Src. Port	Options : 1 to 65535 Default : -
Dest. IP Address	Options : Four sets of numbers (0 to 255) Default : -
Dest. Port	Options : 1 to 65535 Default : -
Protocol	Options : TCP+UDP, TCP, UDP Default : TCP+UDP
Comment	Options : Alphanumerics Default : -

UPnP

UPnP Settings

UPnP Settings

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

Sleep Mode

Sleep Timer Setting

Sleep Timer Setting

Items	Setting Range/Default
Sleep Timer Setting	Options : 1 minute, 3 minutes, 5 minutes, 10 minutes, 15 minutes, 30 minutes, 60 minutes Default : 3 minutes

Password

Administrator Settings	
Current Password	<input type="text"/>
New Password	<input type="text"/>
Verify Password	<input type="text"/>

Items	Setting Range/Default
Current Password	Options : alphanumeric/symbols (except " ' < > & * ¥ , ; : [] \$) Default : admin
New Password	Options : alphanumeric/symbols (except " ' < > & * ¥ , ; : [] \$) Default : -
Verify Password	Options : alphanumeric/symbols (except " ' < > & * ¥ , ; : [] \$) Default : -

PIN Management

PIN Management	
PIN Status	Disable
PIN Action	<input type="text" value="Enable"/>
PIN	<input type="text"/>
Remaining times: 2	

Items	Setting Range/Default
PIN Action	Options : Enable, Disable, Modify PIN Default : Enable
PIN	Options : Four to eight-digit number Default : 9999

Software Update

Software Update Information	
Automatic Update	<input type="text" value="ON"/>
Update Status	

Items	Setting Range/Default
Automatic Update	Options : ON, OFF Default : ON

Appendix

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Warranty & Service.....	119
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Troubleshooting

Troubleshooting

If problems remain unresolved even after the following troubleshooting, contact a SoftBank Shop or [SoftBank Customer Support](#), 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 Wi-Fi (WLAN) device user guide. If still unable to connect, set Wi-Fi router manually. See "[Wi-Fi \(WLAN\)](#)."
- A. To connect WPS PIN specified WLAN device, confirm PIN. See "[WPS Setting](#)."
- A. If OPEN WEP authentication method is set, check whether correct WEP Key is entered. If WEP Key is forgotten, see "[Basic Settings for LAN Wi-Fi](#)" to reset WEP Key, and again connect.
- A. Check whether correct WPA Key is entered. If WPA Key is forgotten, see "[Restoring Factory Defaults](#)" and reset Wi-Fi router, or see "WLAN Initialization Sticker" to reset WPA Key, and again connect. In addition, the WPA/WPA2 authentication methods might not be compatible depending on the Wi-Fi (WLAN) devices. See user guide for the Wi-Fi (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 7 or Windows Vista, follow these steps to confirm proper Wi-Fi router installation.

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

Confirm that "CWID USB SCSI CD-ROM USB Device," "ZTE MMS Storage USB Device," "Remote NDIS based Device," and "USB Mass Storage Device" 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 "[Installing Drivers Manually](#)."

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 SoftBank 102Z Utility 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.

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

- A. Contact [SoftBank Customer Support](#), 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 [SoftBank Customer Support](#), General Information.

Q. Confirming Administrator logon

- A. For Windows 7, follow these steps:
 Start menu → Control Panel → User Accounts
 and Family Safety → User Accounts → 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. Press Reset Key.
- A. To reset the settings via SoftBank 102Z Utility, follow these steps:
 In Settings screen, [Advanced Settings](#) → [Restore](#)
 → [Reset](#)

Q. Old phone number appears in SoftBank 102Z Utility

- A. Depending on contract/cancellation method, old phone number may appear in SoftBank 102Z Utility.

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 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.

Specifications

102Z

Item	Description
Model Name	102Z
Dimensions ¹	106 mm (H) × 57 mm (W) × 15.85 mm (D)
Weight ¹	120 g
Interface	USB 2.0 microSD Card or microSDHC Card
Power Consumption ¹	Standby: 0.05 W Connected (3G): 1.23 W Connected (4G): 1.66 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, 2.1 GHz (overseas usage)
Compatible Networks	WAN: 4G (AXGP), 3G (W-CDMA)/3G High Speed (HSUPA/HSDPA, HSPA+, DC-HSDPA) WLAN: IEEE802.11b/g/n
Charging Time ^{1, 2}	4.5 hours (AC charger charging) 7 hours (USB charging)
Continuous Standby Time ^{1, 3}	200 hours
Continuous Communication Time ^{1, 3}	7 hours

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
Frame	PC+ABS/Evaporation Coating
Front Cover	PC/IML
Back Cover	PC+ABS/UV Coating
Power Key	PC+ABS/UV Coating
INFO Key	PC+ABS/UV Coating
WPS Key	PC+ABS/UV Coating
Memory Card Slot	PC+ABS/UV Coating
Reset Key	PC+ABS/UV Coating
USIM Card Slot	PC+ABS/UV Coating

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.
- The warranty period can be found in the Warranty.

! Precautions

Damages

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

Services

Before submitting Wi-Fi router for repairs, contact [SoftBank Customer Support](#), 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 [SoftBank Customer Support](#), General Information.

Customer Service

For any issues or inquiries, please call the following numbers.

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)

Business hours:

Weekdays 9:00 am to 7:00 pm

Sat., Sun., Holidays 9:00 am to 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




For proper Wi-Fi router use, carefully read Safety Precautions beforehand. Keep this guide for future reference.

Observe these safety precautions to prevent injury or damage to property.

SoftBank accepts no liability for any loss or damages incurred by you or a third party as a result of missed calls, etc., due to malfunctions, erroneous operations or failure of this product.







Labels

Risks of injury or damage from improper use are categorized by levels. Understand these labels before reading this guide.

Labels	Description
 DANGER	Great risk of death or serious injury ¹ from improper use
 WARNING	Risk of death or serious injury ¹ from improper use
 CAUTION	Risk of injury ² or damage to property ³ from improper use

- 1 Serious injury includes: Loss of eyesight, physical injury, high temperature burns, low temperature burns, electric shock, fractures, poisoning and other conditions having side effects or requiring hospitalization or longterm treatment.
- 2 Injury includes: Physical burns (high-temperature and low-temperature), electric shock, and other conditions not requiring hospitalization or long-term treatment.
- 3 Damage to property includes: Incidental damage to structures and household property and/or to pets and livestock.

Symbols

Symbol	Description
	Action prohibited
	Disassembly prohibited
	Exposure to liquids prohibited
	Handling with wet hands prohibited
	Action compulsory
	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 kotatus, 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



Do not place Wi-Fi router, AC Charger 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.



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.



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

May cause malfunction.



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.



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



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.



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.



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



Do not dispose of internal battery in fire.

May cause internal battery to leak, rupture or ignite.



Do not damage (nail, hammer, stomp, etc.) internal battery or subject it to strong impacts/shocks.

May cause internal battery to leak, overheat, rupture or ignite.



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 internal battery 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 & Memory Card

CAUTION



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

Doing so may cause overheating, electric shock or malfunction.



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

Doing so may cause data loss or malfunction.



Use only Memory Card supported by Wi-Fi router.

Failing to do so may cause data loss or malfunction. Wi-Fi router supports Memory 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.

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 plug/unplug AC Charger with wet hands.
May cause electric shock or malfunction.



If thunder is audible, do not touch AC Charger.
May cause electric shock.

CAUTION



Firmly hold plug and unplug AC Charger from outlet before cleaning.
Failing to do so may cause electric shock.



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.



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.



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.



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.

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



Keep Wi-Fi router a minimum of 22 centimeters away from implanted cardiac pacemakers or implanted defibrillators.

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



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.



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.



Keep Wi-Fi router power off in crowded places such as rush hour trains; persons with implanted cardiac pacemakers or implanted defibrillators may be nearby.

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

General Notes

Usage Basics

- 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.
- Connection speed may drop or connections may not be established depending on line traffic or connection environments.
- 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 electric 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.
- The Ordinance of the Ministry Specifying Goods and Technologies Pursuant to Provisions of the Appended Table 1 of the Export Trade Control Order and the Appended Table of the Foreign Exchange Order documents might be needed depending on what kinds of devices are taken overseas, but if Wi-Fi router is taken abroad on trips or short business trips for personal usage, they essentially are not needed when bringing it back in. However, if Wi-Fi router is used by other individuals or handed over to them, an export license may be required. In addition, if Wi-Fi router is taken to countries (Cuba, North Korea, Iran, Sudan and Syria) which are subject to U.S. government stipulated export restraints, then U.S. government export licenses might be required. For details on the particulars of regulations for export laws and ordinances and procedures visit the Ministry of Economy, Trade and Industry's Security Export Control Division's website.
- 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 of times, if they contact the skin for a long time low temperature burns may result. Be careful in handling.

Aboard Aircraft

- Keep Wi-Fi router power off aboard aircraft. When in-flight use is permitted, observe airline instructions.

Precautions

- 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 and 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 (WLAN)

· 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.

2.4DS4/OF4

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.
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 [SoftBank Customer Support](#).
- SoftBank cannot be held liable for WLAN security issues.

Specific Absorption Rate (SAR) Information for this Product

This product "102Z" 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 0.954 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)

Electromagnetic Safety

For body worn operation, this mobile device 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 and the highest SAR value for this device when tested on the body is 0.954 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.

* Please see [Electromagnetic Safety](#) for important notes regarding body worn operation.

- 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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SOFTBANK MOBILE Corp.

Visit [SoftBank Shop](#) for assistance

Model : SoftBank 102Z
Manufacturer : ZTE Corporation