



202F User Guide



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## Introduction

Thank you for purchasing SoftBank 202F.

### Before You Begin

- SoftBank 202F is referred to as "handset" in this guide.
- Read "Safety Precautions" and this guide thoroughly beforehand for proper usage.
- Accessible services may be limited by contract conditions.
- Unauthorized copying of any part of this guide is prohibited.
- Guide content subject to change without prior notice.
- Contact SoftBank Customer Support, General Information if you find inaccuracies.

### Guide Usage Notes

- Most operation descriptions are based on default settings.
- Unless noted otherwise, descriptions are for Home Screen.
- Some operation descriptions may be omitted.
- In this guide and on handset, "abroad" means "outside Japan" with regard to handset/service usage.
- In this guide, microSD™/microSDHC™/microSDXC™ Card is referred to as "SD Card."
- Descriptions are for default screens (home theme: NX! Blue) of "Grace Blue" as body color.
- "Authenticate" means operations to enter password or security code depending on the features, or fingerprint authentication.

### Screenshots & Key Labels

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

### Accessing Guide on Handset

Access this Guide on handset via Guide icon in Home Screen or via Guide indicator on Status Bar. Guide indicator appears on Status Bar by default. To hide Guide indicator:

Drag down Status Bar → Tap here for Guide →  →   
 Indicator → off → Back

- Guide usage information and confirmation for automatic updates appear at initial startup. Follow onscreen instructions.



## Getting Started

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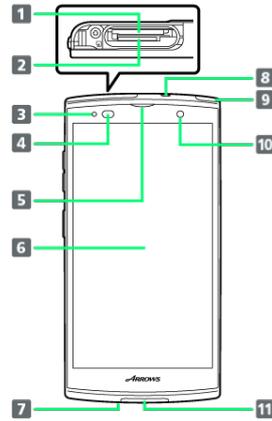
## Package Contents

### Package Contents

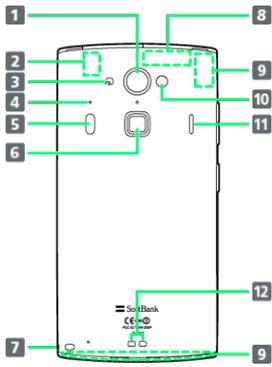
- Handset (SoftBank 202F)
- Desktop Holder (FMEAC1)
- AC Charger (FMCAB1)
- クイックスタート (Japanese)
- お願いとご注意 (Japanese)
- Handset Warranty (Japanese)
- AC Charger Warranty (Japanese)

## Parts & Functions

### Front/Top/Bottom

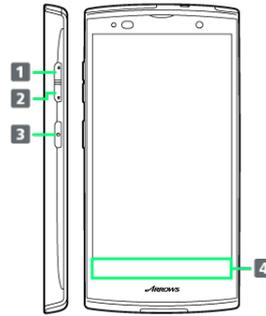


Part	Description
<b>1</b> USIM Card Slot	Insert USIM Card
<b>2</b> SD Card Slot	Insert SD Card
<b>3</b> Notification Lamp	Flashes for incoming transmissions Lights for charging
<b>4</b> Light/Proximity Sensor	Detects surrounding brightness to automatically adjust Display or backlight and prevents Touchscreen misoperation during call
<b>5</b> Earpiece	Hear the other party's voice here
<b>6</b> Touchscreen	Tap, Swipe/Flick, etc.
<b>7</b> Mic	Speak here for calls Works as a microphone when recording
<b>8</b> Earphone Port	Connect earphone
<b>9</b> TV/FM Transmission Antenna	Receive TV signal/for FM Transmitter
<b>10</b> Internal Camera	Photograph your own face, etc.
<b>11</b> External Device Port	Connect Micro USB Cable/MHL Cable



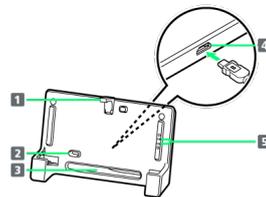
Part	Description
<b>1</b> External Camera	Capture images
<b>2</b> Wi-Fi/Bluetooth Antenna	Internal Antenna for Wi-Fi and Bluetooth® function
<b>3</b> FeliCa Logo	Hold to reader/writer to use NFC/Osaifu-Keitai®
<b>4</b> Temperature/Humidity Sensor	Detects surrounding temperature and humidity
<b>5</b> Infrared Port	For infrared transmission
<b>6</b> Fingerprint Sensor	For fingerprint authentication, etc.
<b>7</b> Strap Hole (Side)	Attach strap here
<b>8</b> GPS Antenna	Internal Antenna for GPS function
<b>9</b> Internal Antenna Area	For handset transmissions
<b>10</b> Mobile Light	Use as camera flash
<b>11</b> Speaker	Emits tones, music, sounds, the other party's voice for handsfree calls, etc.
<b>12</b> Charging Terminal	For charging by Desktop Holder

## Handset Keys



Part	Description
<b>1</b> Volume Up Key (▲)	Increase Volume
<b>2</b> Volume Down Key (▼)	Decrease Volume Long Press for activate/deactivate Manner mode
<b>3</b> Power Key (⏻)	Toggle Sleep mode on/off Long Press for power on/off
<b>4</b> Navigation Bar	Onscreen navigation buttons (⏪ / 🏠 / ☰) and Slide display button (⏴ / ⏵)

## Desktop Holder



- 1** Lock
- 2** Hole (Sound Hole)
- 3** Speaker Duct
- 4** External Device Port
- 5** Charging Terminal

## USIM Card Installation

USIM Card IC chip contains customer and authentication information, including handset number.

### Inserting USIM Card

Always power off first.

**1**

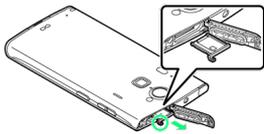
Open Slot Cover



- Face Display down.
- Use notch (○) to open Slot Cover as shown.

**2**

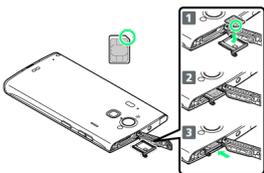
Slide Tray out



- Use tab (○) to draw Tray straight out.
- When inserting or removing Tray to or from USIM Card Slot, do not apply excessive force. Tray may be damaged.
- Do not lose Tray.

**3**

Insert USIM Card



- Confirm orientation of USIM Card (see the notch), then place it with IC chip facing up on Tray ( **1** ). Place Tray to USIM Card Slot ( **2** ), then push it slowly ( **3** ).

**4**

Close Slot Cover

- Press down Slot Cover firmly and check there are no gaps.

### Removing USIM Card

Always power off first.

**1**

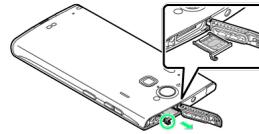
Open Slot Cover



- Face Display down.
- Use notch (○) to open Slot Cover as shown.

**2**

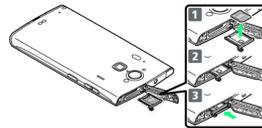
Slide Tray out



- Use tab (○) to draw Tray straight out.
- When inserting or removing Tray to or from USIM Card Slot, do not apply excessive force. Tray may be damaged.
- Do not lose Tray.

**3**

Remove USIM Card



- Remove USIM Card from Tray ( **1** ), place Tray to USIM Card Slot ( **2** ) with correct orientation, then push it slowly ( **3** ).

**4**

Close Slot Cover

- Press down Slot Cover firmly and check there are no gaps.

## Using Handset Memory & SD Card

Handset accepts an SD Card up to 64 GB. Some SD Cards may not operate properly.

Save captured photos and videos to SD Card and handset internal storage.

### Memory and SD Card

Use System memory and Internal storage in handset and SD Card as follows.

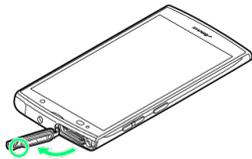
Type	Description
System Memory	System data and applications are installed
Internal Storage	Save images, music, mail attachments, application data <sup>1</sup> ; Connect a PC for data transmission
SD Card	Save captured photos/videos; Connect a PC for data transmission

1 Location for saving data varies by application settings.

### Inserting SD Card

1

Open Slot Cover



· Use notch (O) to open Slot Cover as shown.

2

Insert SD Card



- Slide in SD Card with metal contacts facing down.
- SD Card Slot is found on the upper side when handset is placed face up.
- Do not insert other objects.

3

Close Slot Cover

- Press down Slot Cover firmly and check there are no gaps.

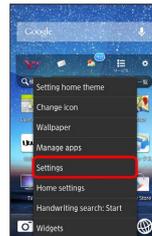
## Formatting SD Card

When using a new SD Card for the first time, format it on handset before trying to save files, etc.

- Format Card deletes all SD Card files, even those created on other devices.
- Format SD Card while charging Battery or after Battery is fully charged.

1

In Home Screen, Settings



2

Storage



3

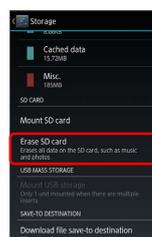
Unmount SD card OK



Menu item changes from **Unmount SD card** to **Mount SD card**.

4

Erase SD card



5

## Erase SD card



6

## Erase everything



Handset erases all SD Card files.

- Authenticate if `Security unlock preference` is set.

## Unmounting SD Card

1

In Home Screen,   `Settings`



2

## Storage



3

`Unmount SD card`  `OK`



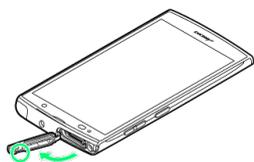
- Menu item changes from `Unmount SD card` to `Mount SD card` and SD Card is unmounted.

## Removing SD Card

Always unmount SD Card first.

1

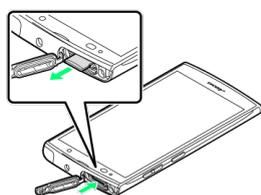
Open Slot Cover



- Use notch (O) to open Slot Cover as shown.

2

Remove SD Card



- Gently push in SD Card and release it; SD Card pops out. Carefully remove without bending.

3

Close Slot Cover

- Press down Slot Cover firmly and check there are no gaps.

## Important SD Card Usage Notes

### Back Up Your Files

SoftBank Mobile Corp. is not liable for any damages resulting from accidental loss/alteration of information. Keep a copy of contacts, etc. in a separate place.

### While Reading/Writing Data

Never power off while reading/writing data. Also do not remove SD Card.

### Low Battery Warning

SD Card may not read/write files correctly if Battery is low.

### Data Transfer to MicroSDXC Card

Handset supports microSDXC Cards. Use microSDXC Card only on SDXC-compatible devices. Data may be damaged.

### Exchanging Data with Non-SDXC-Compatible Devices

To exchange data between handset and non-SDXC-Compatible devices, use microSD Cards or microSDHC Cards supported by handset and those devices. Inserting a microSDXC Card used on handset in a non-SDXC-Compatible device may corrupt card data. In such cases, do not format the microSDXC Card on that device even if prompted to do so.

Formatting deletes all microSDXC Card data and changes the file system. The original memory capacity may be unavailable after formatting. To use a corrupted microSDXC Card, format it on an SDXC-compatible device.

### Handling SD Card

Keep SD Cards out of infants' reach. Infants may swallow them resulting in choking.

## Charging Battery

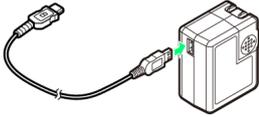
Battery is built into handset and not removable.

### Desktop Holder

Use Desktop Holder and AC Charger FMCAB1 (USB Cable and AC Charger).

**1**

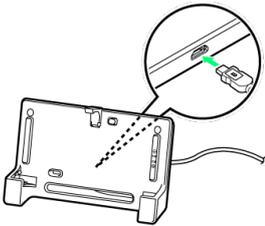
Insert USB plug of USB Cable into AC Charger USB port



- Confirm USB plug and USB port orientation.

**2**

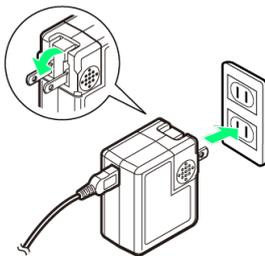
Insert Micro USB plug of USB Cable into Desktop Holder Micro USB port



- Insert Micro USB plug with print side facing up.

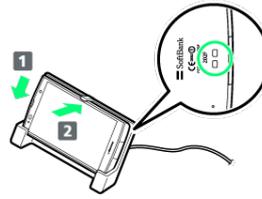
**3**

Extend blades and plug AC Charger into AC outlet



**4**

Place handset in Desktop Holder



 Notification Lamp illuminates while charging.

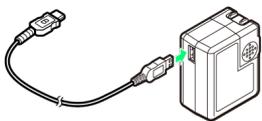
- Insert handset (**1**) and press it in the direction of Lock until it clicks (**2**), then confirm that handset is securely locked.
- Notification Lamp goes out when Battery is full. Remove handset from Desktop Holder. Unplug AC Charger and retract blades.
- When charging starts from Home Screen or Launcher page, Theater mode starts.

## AC Charger

Use AC Charger FMCAB1 (USB Cable and AC Charger).

1

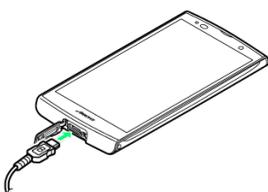
Insert USB plug of USB Cable into AC Charger USB port



- Confirm USB plug and USB port orientation.

2

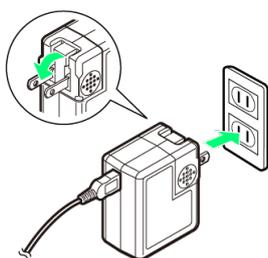
Open External Device Port Cover and connect Micro USB plug of USB Cable



- Insert Micro USB plug with print side facing up.

3

Extend blades and plug AC Charger into AC outlet



 Notification Lamp illuminates while charging. Notification Lamp goes out when Battery is full.

4

Unplug AC Charger and retract blades

5

Disconnect USB Cable from handset and close External Device Port Cover

- Press down External Device Port Cover firmly and check there are no gaps.

## Handset Use while Charging

Charging time may be longer or charging may not be completed.

## Internal Battery

### Bulges

Depending on usage, bulges may appear near end of battery life; this does not affect safety.

### Replacing Battery

Internal Battery is a consumable item; may need to be replaced if operating time shortens noticeably. Internal Battery is not user replaceable; its replacement incurs fees and requires handset submission to a SoftBank Shop, etc. For details, contact a SoftBank Shop or [SoftBank Customer Support](#), General Information.

To check Battery performance, in Home Screen,  

## Handling Desktop Holder

Note the following when handling Desktop Holder.

- Do not get strap etc. caught between handset and Desktop Holder.
- When locking handset to Desktop Holder, do not apply excessive force.
- Do not cover Hole (Sound Hole) of Desktop Holder, or let dust adhere on it.
- Always use AC Charger FMCAB1 with Desktop Holder.

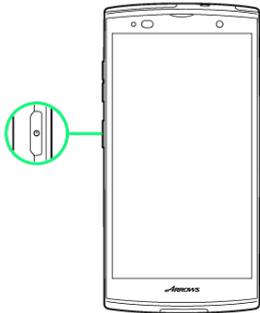
## Power On/Off

### Power On

Power on handset and open Home Screen.

1

 (Long Press)



 Lock Screen appears.

2

Flick up



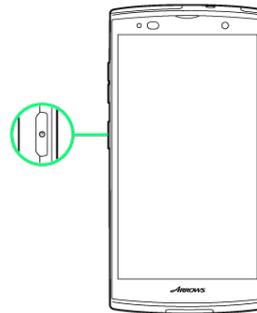
 Home Screen appears.

- Do no touch Fingerprint Sensor after Pressing  until Lock Screen appears. Fingerprint Sensor may not work. If alert appears, reboot handset.
- Sliding Fingerprint Sensor cancels Screen Lock by default.
- Initial setup menu opens before Home Screen appears after powering on for the first time.
- After set period of inactivity, handset goes into Sleep mode. To show Lock Screen, Press /Fingerprint Sensor.

### Power Off

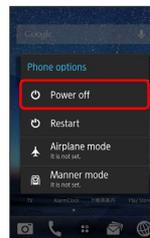
1

 (Long Press)



2

Power off



3

OK



 Handset shuts down.

### + Reboot/Safe Mode Operation

#### Reboot

In Phone options, **Restart**

#### Start/Stop Safe Mode

In Phone options, Touch & Hold **Restart**  **OK**

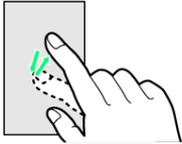
- When Safe mode starts, "Safe mode" appears on the lower left of Display.
- Reboot handset to exit from Safe mode.

# Touchscreen Operations

Touch Display to select menu items, open functions, scroll pages, etc.

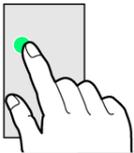
## Tap

Tap item or key to open or execute corresponding function/operation.



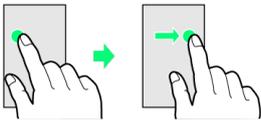
## Touch & Hold

Touch item for 1+ seconds to move icons, open menus, etc.



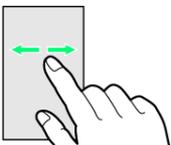
## Drag

Drag item to move it.



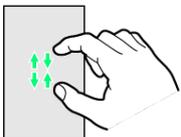
## Swipe/Flick

Swipe/Flick to toggle sheets, pages, etc.



## Pinch/Spread

Pinch/Spread to zoom in or out on images, etc.





## Basic Operations

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# Basic Operations

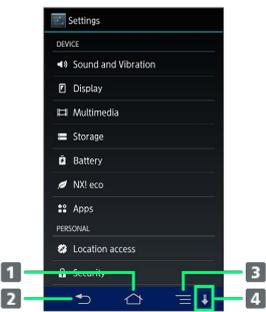
## Home Screen & Launcher

Home Screen top sheet appears at power on. Most handset operations start from Home Screen sheets or Launcher pages.



## Navigation Bar

Navigation buttons are located in Navigation Bar at bottom of Display.



Part	Description
1 Home button (  )	Show Home Screen; Touch & Hold to show recently-used applications; Touch & Hold then Slide it to  to use audio assistance or Google search
2 Back button (  )	Return to the previous screen; Hide onscreen keyboard (turns to )
3 Menu button (  )	Open Menu window
4 Slide display button <sup>1</sup> (  /  )	Tap  to slide screen down Tap  to return to full screen view

1 Available when Slide display in Display setting is ON. ON is set by default.

## Handset Navigation

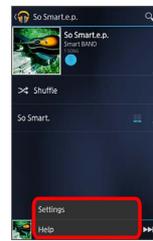
Tap menu items, icons, onscreen key, etc. to open assigned items.

- Press to go back or escape.

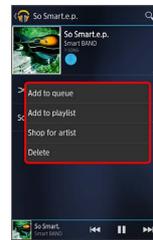


## Menu Operations

Tap for options.



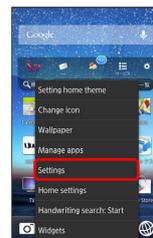
- In some windows, Touch & Hold window to show settings or items.



## Handset Settings

In Home Screen, Settings to customize settings.

- If confirmation appears, follow onscreen instructions.



## Handset & Display Orientation

In most cases, Display orientation changes with handset orientation.

- Some application contents may not change with handset orientation.
- Home Screen, Launcher, and Lock Screen are shown in horizontal view only when charging with Desktop Holder.



## Capturing Screens

Long Press  and  at the same time.

- Check captured screens in Gallery album etc.
- Capturing is not available on some application screens.

## Handset Phone Number

### My Phone Number

1

In Home Screen,   Settings  Profile



 Handset phone number appears.

- Alternatively, in Home Screen,    (NXI Contact).

## Mobile Manners

---

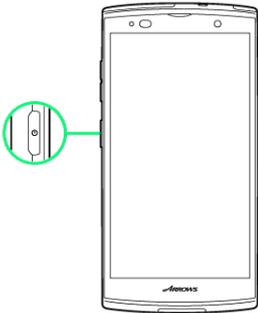
### Manner Mode

Cancel most handset sounds to avoid disturbing others around you.

- Camera shutter, video recording tones, etc. sound even in Manner mode.

1

 (Long Press)



2

Tap the Manner mode to set  

 Manner mode is set.

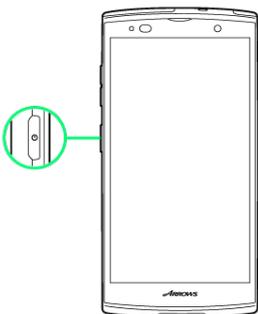
- Long Press  and Tap the set Manner mode again to cancel.

### Airplane Mode

Cancel all handset communication.

1

 (Long Press)



2

Airplane mode  

 Airplane mode is set.

- Long Press  and Tap  again to cancel.

### Wi-Fi/Bluetooth® in Airplane Mode

Enabling Airplane mode disables Wi-Fi and Bluetooth®. But they can be turned on in Airplane mode. For details, see "[Connecting to Wi-Fi Networks](#)" and "[Activating Bluetooth®](#)."

## Text Entry

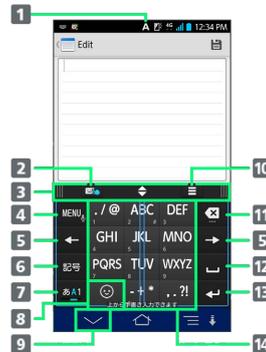
### Keyboards

Use onscreen keyboards for text entry. In Numeric keypad, multiple characters are assigned to each key. In QWERTY keypad, a single letter is assigned to each key. Handwritten input is also available.

- In any keyboard, Tap  →  /  for QWERTY keypad/Numeric keypad to switch keyboards.
- To use handwritten input, Tap  → .
- Tap  (Back) to hide keyboard.
- Most operation descriptions are based on NX!input.
- If "... " is shown on key, Touch & Hold key to show options, Slide quickly to the option and release to enter suggested characters or perform operation. Depending on the setting, options may not appear.

### Numeric Keypad Layout

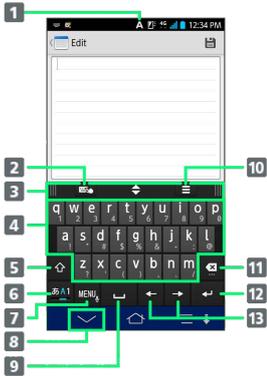
- Keypad layout may vary by application.
- Overwrite handwritten input is enabled (  ) by default, and blue frames are shown on keyboard. However, operation descriptions are based on Numeric keypad with Overwrite handwritten input disabled (  ).



- 1 Current entry mode
- 2 Enable (  )/disable (  ) Overwrite handwritten input. When enabled, blue frames are shown on keyboard
- 3 Adjuster Bar to adjust height and width of keyboard
- 4 Show menu for switching keyboards, handwritten input, fixed phrase, symbol, smiley, ATOK setting, Settings. Touch & Hold to start Voice input
- 5 Move cursor
- 6 Symbol list
- 7 Toggle entry modes
- 8 Smiley/Pictogram list
- 9 Hide keyboard. Return to previous window from menu. Delete character during text entry
- 10 Open menu to hide or fix Adjuster Bar, save/restore keyboard width and height, etc.
- 11 Delete character before cursor
- 12 Enter space
- 13 Line feed; Move to next entry area; Execute function or confirm text entry
- 14 Text entry

## QWERTY Keypad Layout

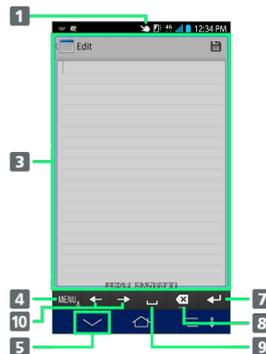
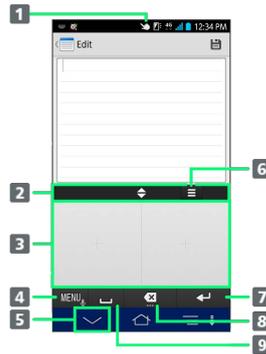
- Keypad layout may vary by application.
- When Show numeric keys is disabled in QWERTY keypad settings, Flick up/down keys to enter characters.



- 1 Current entry mode
- 2 Enable ( )/disable ( ) Overwrite handwritten input. When enabled, blue frames are shown on keyboard
- 3 Adjuster Bar to adjust height and width of keyboard
- 4 Text entry
- 5 Toggle uppercase/lowercase; In lowercase text entry mode, Tap (twice) to change uppercase (locked) mode (key lights up)
- 6 Toggle entry modes
- 7 Show menu for switching keyboards, handwritten input, fixed phrase, symbol, smiley, ATOK setting, Settings; Touch & Hold to start Voice input
- 8 Hide keyboard. Return to previous window from menu. Delete character during text entry
- 9 Enter space
- 10 Open menu to hide or fix Adjuster Bar, save/restore keyboard width and height, etc.
- 11 Delete character before cursor
- 12 Line feed; Move to next entry area; Execute function or confirm text entry
- 13 Move cursor

## Handwritten Input Layout

- Keypad layout may vary by application.



- 1 Current entry mode
- 2 Adjuster Bar to adjust height and width of keyboard
- 3 Handwriting area
- 4 Show menu for switching keyboards, handwritten input, fixed phrase, symbol, smiley, ATOK setting, Settings. Touch & Hold to start Voice input
- 5 Hide keyboard; Return to previous window from menu. Delete character during text entry
- 6 Open menu to hide or fix Adjuster Bar, save/restore keyboard width and height, etc.
- 7 Line feed; Move to next entry area; Execute function or confirm text entry
- 8 Delete character before cursor
- 9 Enter space
- 10 Move cursor

## Toggling Text Entry Modes

Toggle entry mode between hiragana, alphabetical and numeric.

-  shows entry mode in blue. Status Indicator also changes.

1

Tap 



 Entry mode changes.

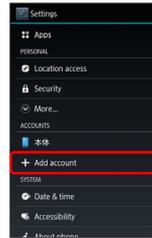
## Google Account

Create a Google Account to use Google services. A Google Account is required to fully use some services and applications/functions.

### Creating a Google Account

1

In Home Screen,   Settings  Add account



2

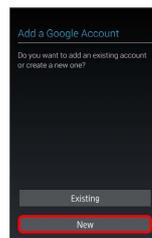
Google



 Add a Google Account appears.

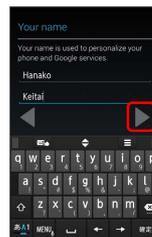
3

New



4

Enter first name   Enter last name  



5

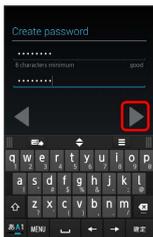
Enter mail address → ▶



- If confirmation appears, follow onscreen instructions.

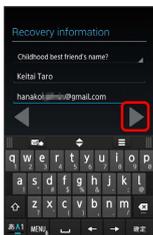
6

Enter password → 次へ → Re-type password → ▶



7

Tap Choose a security question and Tap a question → Tap Answer → Enter answer → 次へ → Enter Recovery email address → ▶



- If entry field is not shown, Flick/Swipe entry area up or down.

8

Join Google+ / Not now



- To join Google+, Tap **Join Google+** and Tap ▶. Follow onscreen instructions to complete.
- To skip joining to Google+, Tap **Not now**.

9

In Finish account window, select necessary item (  )/ deselect (  ) → ▶

10

Tap entry field → Enter shown characters → ▶



- Distorted characters are shown. If characters are illegible, enter any characters and Tap ▶ for alternative.

11

Not now → ▶



 A Google Account is added.

- To save credit card information for payment, Tap **Set up credit card** and enter information. Follow onscreen instructions to complete.
- For the second or later Google Account, sync setting is shown.
- Handset does not support Google Account backup. Checkmarking **Keep this phone backed up with my Google Account** (  ) is not applied.

## Signing in to a Google Account

If an application requires a Google Account, Google sign in appears. Sign in to use the application.

1

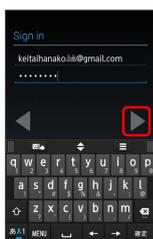
In Add a Google Account screen, **Existing**



Google Account sign in appears.

2

Enter mail address → Tap Password field → Enter password →



3

OK → Follow onscreen instructions

You are signed in to your Google Account.

### Google Account Cautions

Do not forget your Google Account ID and Password.

## Google Play™

Download songs, videos, books, Android applications and games in Google Play (Android Market™). Sign in to your Google Account beforehand.

### Installing Free Applications

1

In Home Screen, (Play Store)



Google Play opens.

• If confirmation appears, follow onscreen instructions.

2

Tap application → **INSTALL** → **ACCEPT**

Application downloads and installs.

### Purchasing Applications

1

In Home Screen, (Play Store)



Google Play opens.

• If confirmation appears, follow onscreen instructions.

2

Tap pay-for application → Tap price → Follow onscreen instructions

Application downloads and installs.

## Updating Installed Applications

1

In Home Screen,   (Play Store)



 Google Play opens.

· If confirmation appears, follow onscreen instructions.

2

 Application downloads and installs.

· If confirmation appears, follow onscreen instructions.

### Purchased Applications

#### Payment

Pay once. Re-downloads of uninstalled applications are free of charge.

#### Installations on Other Android Devices

Install same application on other Android devices under same Google Account at no added cost.

### Application Operations

#### Requesting Refunds

Refunds are possible within a limited time. Requesting a refund deletes the application and cancels the invoice. Request one refund per application.

In Google Play,     

#### Automatic Application Updates

In Google Play,     (  )

· Automatic update is not available for some applications.

### Google Play Caution

#### Installing Applications

Download and install applications on this handset via Google Play (developed by Google Inc.) at your own risk. SoftBank Mobile Corp. is not responsible for user installed application content (quality, reliability, legality, appropriateness, accuracy, etc.) or malfunctions installed applications may cause (due to viruses, etc.).

#### Purchasing Applications

Purchase applications via Google Play at your own risk. SoftBank Mobile Corp. is not responsible for transactions between users and third party publishers.

## Security Codes

### Code Types

Some functions/services require these codes for use.

- Do not reveal Security Codes. SoftBank Mobile Corp. is not liable for misuse or damages.
- If you forget Security Codes, contact us for recovery. For more information, see [SoftBank Mobile Website \(http://mb.softbank.jp/en/#pagetop\)](http://mb.softbank.jp/en/#pagetop).

Types	Details
Center Access Code (Call Barring Password)	4-digit code in service contract: Change services, use Optional Services via landlines, or set call restrictions
Handset Security Code	User settable: Use/change some handset functions/settings Alternatively, use Pattern, Password, Fingerprint or Face recognition to authenticate

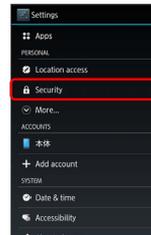
### Setting Security Code

Set Handset Security Code to cancel Screen Lock, etc.

- Pattern, Password (alphanumerics and symbols), Fingerprint and Face recognition are also available for authentication.

1

In Home Screen,   Settings  Security



2

Security unlock preference  Security code



- When Security unlock preference has been already set, authenticate.

3

Enter Security Code  Continue  Enter Security Code again  OK

 Security Code is set.

## USIM PIN

9999 by default; enable USIM Card lock to restrict handset use.

### Enabling USIM Card Lock

Enable USIM PIN and show USIM PIN entry window when handset with USIM Card inserted is powered on.

1

In Home Screen,   Settings  Security



2

Set up USIM/RUIM card lock  Lock USIM card  Enter USIM PIN  OK

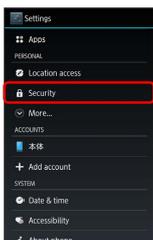
 PIN is enabled.

### Changing USIM PIN

USIM PIN can be changed only when USIM PIN is enabled.

1

In Home Screen,   Settings  Security



2

Set up USIM/RUIM card lock  Change USIM PIN  Enter PIN  OK  Enter New PIN  OK  Enter New PIN again  OK

 PIN is changed.

## ! PIN Cautions

Entering PIN incorrectly three times activates PIN Lock. Enter PUK (Personal Unblocking Key) to unlock. Entering PUK incorrectly ten times activates USIM Lock. To use handset again, reissue USIM Card at SoftBank Shop (fees apply). For more about PUK, contact [SoftBank Customer Support \(http://mb.softbank.jp/en/customer\\_support/contacts.html\)](http://mb.softbank.jp/en/customer_support/contacts.html).

## Screen Lock

When Screen Lock activates, canceling Screen Lock is required to use handset. It prevents erroneous operation and saves power.

### Locking Screen

Activate Screen Lock with simple key operation.

- After set period of inactivity, handset goes into Sleep mode and Screen Lock activates.

1

In Lock Screen, Press  or Fingerprint Sensor

 Handset goes into Sleep mode and Screen Lock activates.

- When Select lock in Security settings is set to Security on, Security Lock is enabled. If Power button instantly locks is unchecked, Security Lock does not activate immediately but only after certain time elapses according to Automatically lock setting.

### Canceling Screen Lock

1

In Sleep mode, Press 

 Lock Screen appears.

2

Flick up



 Screen Lock is canceled.

- When Select lock in Security settings is set to Security on, authenticate based on the set Security unlock preference. Tap **EMERGENCY CALL** in the authentication window to show onscreen dialpad and make an emergency call.

### Unlocking by Fingerprint Sensor

Cancel Sleep mode and Screen Lock. To operate Fingerprint Sensor, Press Fingerprint Sensor or Slide your finger.

1

In Sleep mode, Press Fingerprint Sensor

 Lock Screen appears.

2

Slide your finger over Fingerprint Sensor

 Screen Lock is canceled.

- Press Fingerprint Sensor, release your finger, and then slide it.
- When Select lock in Security settings is set to Security on, authenticate based on the set Security unlock preference.

### + Lock Screen Operation

#### Using Widgets

Flick right on the left side of Lock Screen  Flick right or left to show widget sheet

- Some widgets activate by Tapping.

#### Activating Camera

Flick left on the right side of Lock Screen

## Software Updates

Look for available updates. Update as required.

### Automatic Software Updates

Download update file automatically and update software on specified day and time.

Update via Wi-Fi is described here.

1

Receive Software update information

Downloading of update file starts automatically. When downloading is complete, Confirm a software update window appears.

- Alternatively, download update file via mobile network. When  appears on Status Bar, Drag down Status Bar, and Tap **New Software Available**, then follow onscreen instructions.
- If download fails due to Wi-Fi interruption etc., follow onscreen instructions.

2

Check Confirm a software update in Software Update window

 **Specify update date**



- To update immediately, Tap **Update now**. Follow onscreen instructions.
- If Confirm a software update window closes without any operation, software update starts at the time set in Time to start automatic update.

3

Set date  **Done**  Set time  **Done**

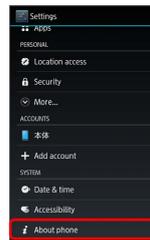


Date and time are set. Notification appears on specified date (settable in range from two minutes to one week). Follow onscreen instructions.

## Manual Software Updates

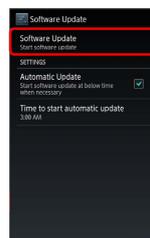
1

In Home Screen,   **Settings**  **About phone**



2

**Software Update**  **Software Update**



Check if software update is required. If required, confirmation screen to start data download appears. Follow onscreen instructions.

### Before Software Update

Handset data may be lost to damage, malfunction, etc. Always back up important files. Back up important information before Software Update. SoftBank Mobile Corp. is not liable for loss or associated damages.

### + Setting Automatic Update

Enabling Automatic Update starts Software update at specified time. Automatic Update is enabled by default.

In Home Screen,   **Settings**  **About phone**  **Software Update**  **Time to start automatic update**  **Set time**  **Done**

- To disable Automatic Update, Tap **Automatic Update** () . Tapping **Automatic Update** toggles enable () / disable () Automatic Update.

### ! Software Update Cautions

Handset cannot be used until Software Update completes; it may take some time to complete. Confirm signal strength and battery charge beforehand. Poor signal strength or low Battery may disrupt updates leading to lost data or handset malfunction.

## Handset Interface

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## Home Screen Basics

Home Screen top sheet appears at power on and when Screen Lock is canceled; most operations start here. Add shortcuts, folders and widgets to Home Screen.

### Layout



Item	Description
1 Status Bar	Drag down to open Notifications Window
2 Current Position	Current Home Screen sheet position
3 Dock	Tap an icon to launch application or function; User can customize with up to 4 shortcuts and folders
4 Navigation Bar	Show onscreen navigation buttons (← / 🏠 / ☰) and Slide display button (⏴)
5 Customize Area	Customize with application shortcuts, folders or widgets
6 Launcher	Open Launcher

### Toggleing Home Screen Sheets

Home Screen consists of several sheets. Add shortcuts, widgets or folders to sheets. Swipe or Flick left/right to toggle Home Screen sheets.

- In any Home Screen sheet, Press 🏠 to return to Home Screen top sheet.

## Status Bar

Status Bar appears at the top of Display. Notification Indicators for incoming calls etc. and Status Indicators for handset status appear.

### Status Bar



- 1 Notification Indicators
- 2 Status Indicators

## Notification Indicators

These Notification Indicators appear in Status Bar:

Icon	Description
	New Gmail
	New Email
	New NX! Mail
	Urgent News
	New Answer Phone Message
	New Voicemail
	Music Playing
	Wi-Fi Available
	File Received via Bluetooth®
	Wi-Fi Tethering On
	Wi-Fi Tethering and USB Tethering On
	USB Tethering On
	Call Arriving
	Missed Call
	Call on Hold
	Data Uploading
	Data Downloading
	Google Play Application Update Available/ Installation Complete
	Comfortable Alarm Set
	Syncing Trouble
	FM Transmitter On
	Earphone Connected (Input from Phone MIC)
	Earphone Connected (Input from Headset MIC)
	Viewing One Seg
	Viewing Full Seg
	Recording One Seg
	Recording One Seg Scheduled
	VPN Connected
	Battery Doctor Notification
	NX! eco
	Zoomed with Best-fit zoom
	Screen Orientation Locked with Shake to unrotate
	GPS Positioning
	Phone Memory Low
	Dolby Mobile setting On (Icon Varies by Set Genre)
	Software Update Notification
	New Notification from 音声アシスト (Onsei Assist Voice Assistant Application)

## Status Indicators

These Status Indicators appear in Status Bar:

Indicator	Description
	Battery Charged
	Charge Battery
	Battery Charging
	Signal Strength
	Roaming
	No Signal
	4G Data in Use
	3G Data in Use
	Wi-Fi Connected
	Bluetooth® On
	Bluetooth® Connected
	Airplane Mode
	NFC/Osaifu-Keitai® Locked <sup>1</sup>
	Osaifu-Keitai® Unlocked and NFC Locked
	Answer Phone Set
	Speakerphone On
	Mic Muted
	Ringtone Volume 0
	Vibration On
	Manner Mode Active
	Manner Mode (Silent) Active
	Screen Lit with Lit when held
	Kana Input Mode
	Alphabet Input Mode
	Number Input Mode
	Handwriting Input Mode
	Smiley/Pictogram/Symbol, Phrase Input
	Improved sound for IP calls On

<sup>1</sup> Also appears when Osaifu-Keitai® is locked and NFC is unlocked.

## Notifications Window

Drag down Status Bar for Notifications Window. Open notifications to check details.

### Opening Notifications Window

1

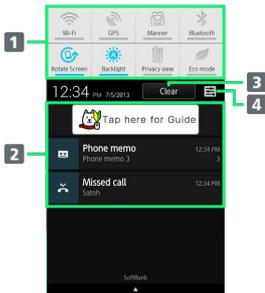
Drag Status Bar down



Notifications Window opens. Check notifications.

- Alternatively, Flick down Home Screen to open Notifications Window.

### Layout



Item	Description
1 Status Switches	On/Off of each function
2 Notifications/Running Items	Notification details or item setting
3 Clear Notifications	Delete notifications Some notifications are not deletable
4 Settings	Set each function

## + Notifications Window Operation

### Closing Notifications Window

Drag up

- Alternatively, Flick Notifications Window up or Tap .

### Deleting a Notification

Flick notification left/right to delete it

### Customizing Status Switch

Touch & Hold Status Switch to be changed Select function

### Calling Back to Missed Call

Tap for missed call notification

- Tap to create SMS.
- If Call back or Message is not shown, Flick missed call notification down.

## Phone

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## Calling

Learn calling basics, including handling incoming calls, and in-call operations.

### Placing Calls

1

In Home Screen,  (NX! Dial)



 Onscreen dialpad appears.

- Alternatively, in Home Screen,    (NX! Dial) to activate NX! Dial.
- If Log window appears, Tap  .

2

Use onscreen dialpad to enter number



- Enter area code for landlines.

3

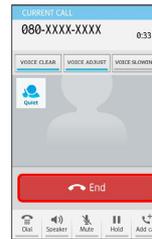
Outgoing call



 Ringback tone sounds. Wait for receiver to accept call.

4

To end the call, 

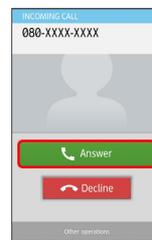


 Call ends.

### Answering Calls

1

When call connects, 

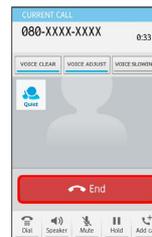


 Talk.

- Drag right  when a call arrives in Sleep mode or while Lock Screen is shown.

2

To end the call, 



 Call ends.

### Emergency Location Report

Using SoftBank 3G handset for emergency calls (110, 119 or 118) automatically reports handset location to corresponding agency (police, etc.).

- Location Report does not incur registration/transmission fees.
- Location/signal conditions affect positioning accuracy. Always provide location and call purpose.
- Hiding Caller ID (using 184, etc.) cancels Location Report. However, corresponding agency may obtain location information in life threatening situations.
- Location Report is not sent for calls made while outside Japan.

## + Call Operation

### Stopping Ringtone

Press  /  when a call arrives

### Declining a Call

**Decline** when a call arrives

- Drag right  when a call arrives in Sleep mode or while Lock Screen is shown.

### Using Answer Phone

When a call arrives, **Other operations** → **Answer phone**

- Drag up **Other operations** → Tap **Answer phone** when a call arrives in Sleep mode or while Lock Screen is shown.

### Playing Phone Memo

In Home Screen, Drag down Status Bar → **Phone memo**

→ Tap phone memo

- To stop playback, Tap .

### Putting a Call on Hold When a Call Arrives

When a call arrives, **Other operations** → **Hold**

- Drag up **Other operations** → Tap **Hold** when a call arrives in Sleep mode or while Lock Screen is shown.
- To answer a call, Tap **Answer**.

### Forwarding a Call

When a call arrives, **Other operations** → **Call Fwd**

- Set Call Forwarding beforehand.
- Drag up **Other operations** → Tap **Call Fwd** when a call arrives in Sleep mode or while Lock Screen is shown.

### Adjusting Call Volume

During a call, Press  / 

### Putting a Call on Hold during a Call

During a call, **Hold**

- To answer the call, Tap **Hold** again.

### Using Push Signal

Push signal is used for services such as checking voicemail on your home telephone, booking tickets, checking bank balance, etc.

Use onscreen dialpad to enter phone number → Touch & Hold **\*** ("," (pause) appears) → Enter push signal to send → **Outgoing call**

-  When call connects, push signal is sent automatically.
- To enter ";" (wait), Touch & Hold **#**. When call connects and confirmation appears, Tap **Yes** to send push signal.

## ? Troubleshooting

Q. Why can't a call connect?

- A. Area code is always required. Dial phone number starting with 0 for the area code, etc.
- A. Check signal strength. Move to a place with a good signal and make a call.

Q. It is difficult to talk

- A. In a noisy place, talking on a phone may be difficult.
- A. When using speaker phone, check volume level. Adjusting volume to too high may make it difficult to hear.

Q. Machine sound enters during a call

- A. It may sound when switching areas due to signal conditions. It is not a malfunction.

## ! Emergency Location Report Cautions

Emergency Location Report is not sent in Airplane mode.

## Optional Services

This handset is compatible with SoftBank Optional Services.

### Optional Services

Use these SoftBank Optional Services:

Service	Description
Call Forwarding	Divert all/unanswered calls to a preset number
Voicemail	Divert all/unanswered calls to Voicemail Center; access messages via handset/touchtone phones
Call Waiting <sup>1</sup>	Answer calls during a call
Group Calling <sup>1</sup>	Switch between open lines/connect multiple lines
Caller ID	Show or hide your number when placing calls
Call Barring	Restrict calls according to situation

1 Requires separate subscription.

## Call Forwarding

1

In Home Screen,  (NX! Dial)



2

  Call Settings

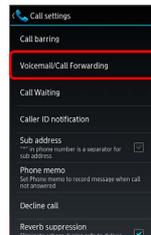


 Call settings appears.

- Alternatively, perform same operation in Log window to open Call settings.

3

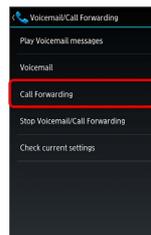
Voicemail/Call Forwarding



 Voicemail/Call Forwarding appears.

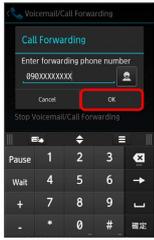
4

Call Forwarding



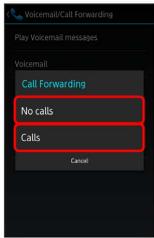
5

Tap Phone number field → Enter number → OK



6

No calls / Calls



· Set Call time when selecting **Calls** .

7

OK

Call Forwarding is set.

## Voicemail

1

In Home Screen, ☎ (NX! Dial)



2

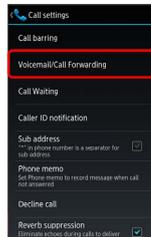
Call Settings



Call settings appears.

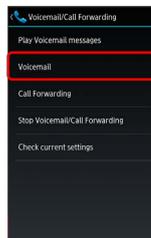
3

Voicemail/Call Forwarding



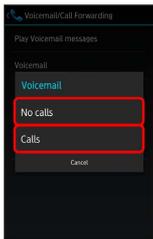
4

Voicemail



5

No calls / Calls



· Set Call time when selecting **Calls** .

6

OK

Voicemail is set.

· When a new message is recorded, **oo** appears in Status Bar.  
Drag down Status Bar and Tap **New voicemail** for voice guidance.

## Call Waiting

Requires separate subscription.

1

In Home Screen, (NX! Dial)



2

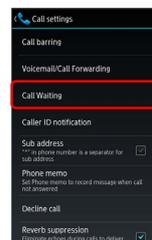
Call Settings



Call settings appears.

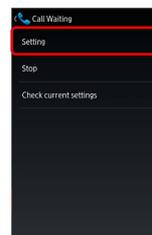
3

Call Waiting



4

Setting



5

OK OK

Call Waiting is set.

· Call Waiting tone sounds for new call. Tap **Answer** to accept the call.

## Group Calling

Requires separate subscription.

1

During a call, **Add call**



2

Enter another phone number → **Outgoing call**



3

When receiver accepts call, **Merge calls**



Group Calling begins.

## Caller ID

1

In Home Screen, (NX! Dial)



2

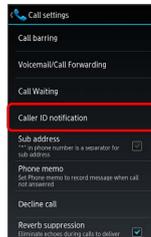
→ **Call Settings**



Call settings appears.

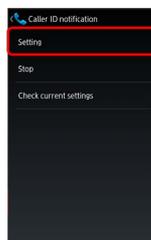
3

**Caller ID notification**



4

**Setting**



5

**OK** → **OK**

Caller ID is set.

## Call Barring

Restrict calls to/from specified numbers.

- Call Barring requires Call Barring Password.
- Entering incorrect Call Barring Password three times disables Call Barring. Call Barring Password must be changed. For details, contact [SoftBank Customer Support](#).
- If you have previously changed Call Barring Password on a SoftBank handset, use the new password.
- If a call is attempted while calling is restricted, a message appears. Message may take time to appear in some areas.

1

In Home Screen,  (NX! Dial)



2

  Call Settings



 Call settings appears.

3

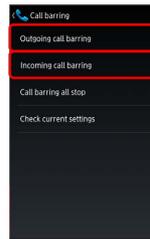
Call barring



 Call barring screen appears.

4

Outgoing call barring / Incoming call barring



5

Tap incoming/outgoing restrictions  

6

Enter Call Barring Password    

 Call Barring is set.

# Address Book

Save phone numbers, mail addresses, etc. to Address Book.

## Adding New Contacts

1

In Home Screen,    (NX! Contact)

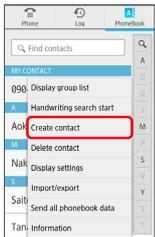


 New Contact window appears.

· Alternatively, in Home Screen,  (NX! Dial)  **PhoneBook** .

2

  **Create contact**



· If account selection appears, Tap an account.

3

Enter items  **Done**



 Contact is saved.

## Address Book Cautions

If handset is left uncharged, contacts may be altered/lost; handset damage may also affect information recovery. SoftBank Mobile Corp. is not liable for any resulting damages. Keep separate copies of contacts and other important information.



## Messaging & Browser

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## Messaging

### S! Mail

Exchange long text messages with S! Mail-compatible SoftBank handsets, other mobile providers' terminals, computers/other email-compatible devices. Attach media files for multimedia messaging.

- Exchange messages using NX! Mail.

### SMS

Exchange short text messages (up to 140 single-byte characters) using handset phone numbers as addresses.

- Exchange messages using NX! Mail.

### Gmail

Gmail is Google's webmail service. Handset automatically syncs with Gmail.

- Also exchange messages using Email or NX! Mail.

### Internet Mail

Use Internet Mail (POP3/IMAP4) on handset.

- Exchange messages using Email or NX! Mail.
- Set up Internet Mail accounts beforehand.
- Exchanging Internet Mail via handset syncs handset and mail server.

## Using NX! Mail

NX! Mail, which supports POP, IMAP, SMTP protocols, manages multiple mail accounts of S! Mail, SMS, Gmail, etc.

NX! Mail supports Privacy mode; set to show or hide contacts, to notify or not to notify new mail, etc.

### Setup for Wi-Fi Communication

Wi-Fi communication is also available for sending/receiving mail. For S! Mail, setup for Wi-Fi communication is required. When activating NX! Mail for the first time, set up Wi-Fi communication.

1

In Home Screen,  (NX! Mail)



- If confirmation appears, follow onscreen instructions.

2

OK



 Setup Wi-Fi communication starts.

- If **Setup later** is Tapped, from Folder list,   **Edit account**  Tap S! Mail account  **Setting up Wi-Fi communication**  **OK**  **OK** to set up Wi-Fi communication later.

3

OK

 Wi-Fi communication setup is complete.

## Adding Accounts

Add accounts such as Gmail account, Internet mail account for using NX! mail.

- S! Mail account is set by default. SMS is available as well.

**1**

In Home Screen,  (NX! Mail)

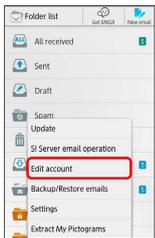


 Folder list appears.

- Alternatively, in Home Screen,    (NX! Mail) to activate NX! Mail.
- If Folder list does not appear, Tap  or  several times.

**2**

  **Edit account**

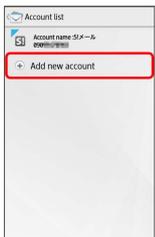


 Account list appears.

- Alternatively, Tap   **Settings**  **Account settings** to show Account list.

**3**

**Add new account**



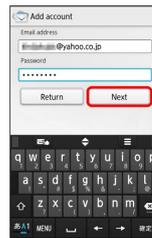
**4**

**Google account set on terminal** / **Another account**



**5**

Enter mail address and password  **Next**



- When **Google account set on terminal** is Tapped in Step **4**, enter password  **Next**  Go to Step **7**.

**6**

**IMAP** / **POP**



- If message indicating that mail server is not found, enter information in incoming/outgoing mail server settings, and then follow onscreen instructions.

**7**

Edit the account name display, Account icon, Name displayed in outgoing email as required  **Finished**

 An account is added.

- Tap the account icon to change its color and set photo saved in Gallery. Name and icon for S! Mail account are not changeable.

## Creating/Sending Mail/SMS

### Creating/Sending Mail

1

In Home Screen, Tap  (NX! Mail)



 Folder list appears.

· If Folder list does not appear, Tap  or  several times.

2

New email



 New email window appears.

· Alternatively, Tap **New email** in Mail list to open New email window.

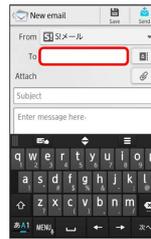
3

Tap From field  Select an account



4

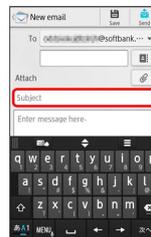
Tap To field  Enter mail address



- Enter name or mail address saved in Contacts to show candidates.
- Alternatively, Tap  **Phonebook** / **Outgoing history** / **Incoming history**  Select recipients.

5

Tap Subject field  Enter subject



6

Tap Enter message here. field  Enter text  **Send**



 Mail is sent.

7

OK

 Operation is complete.

## Creating/Sending SMS

1

In New email window, Tap From field → SMS



New SMS window appears.

2

Tap To field → Enter phone number



- Enter name or phone number saved in Contacts to show candidates.
- Alternatively, Tap **Phonebook** / **Outgoing history** / **Incoming history** → Select recipient.

3

Tap Enter message here. field → Enter message → Send



SMS is sent.

## + Creating/Sending Mail/SMS

### Choosing Mail Address or Phone Number of Recipient

When several mail addresses or phone numbers are saved for recipient, easily switch them.

In New email/SMS window, Tap To field → Tap mail address or phone number

### Deleting Address

In New email/SMS window, Tap To field → **Delete** address / **Delete phone number** → **OK**

### Discarding Message

In New email/SMS window, Tap **OK** .  
 · When keyboard is shown, Tap **OK** .

### Saving Message as a Draft

In New email/SMS window, Tap **Save**

- Message is saved in Draft folder.
- Unsendable message is also saved in Draft folder.

## Creating/Sending Gmail

To use Google Mail, create a Google Account and sign in beforehand.

### Creating/Sending Gmail

1

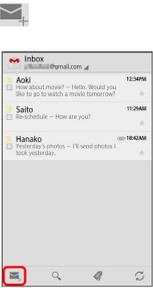
In Home Screen,    (Gmail)



 Inbox appears.

· If confirmation appears, follow onscreen instructions.

2



 Compose window appears.

3

Enter To, Subject, and message text  



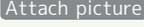
 Message is sent.

## + Creating Gmail

### Adding Cc/Bcc

In Compose window,     Add Cc/Bcc

### Attaching Photos or Video

In Compose window,    /   Select files

### Saving Message as a Draft

In Compose window,   

 Message is saved as a draft.

### Discarding Message

In Compose window,     OK

## ! Gmail Caution

Barring Internet Mail on handset blocks Gmail messages.

## Internet Mail Settings

### Adding Accounts

Check usernames (user IDs), passwords, server names, etc. of your Internet Mail accounts beforehand.

1

In Home Screen,    (Email)



 Account setup menu opens (if no account is set up).

2

Enter mail address and password  **Next**

 Account setup menu opens.

· Operation may differ depending on the mail service. Tap **Manual setup** to configure incoming/outgoing server settings directly.

3

Enter items for account setup menu  **Next**

 Internet mail account is set.

· Operation may differ depending on the mail service.

## Web Browsing

Use Browser to access the Internet.

### Using Browser

1

In Home Screen,  (Browser)



 Browser opens.

· Alternatively, in Home Screen,    (Browser) to open Browser.

## Adding Bookmarks

1

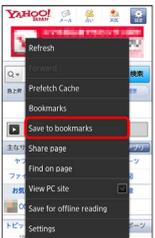
In Home Screen,  (Browser)



 Browser opens.

2

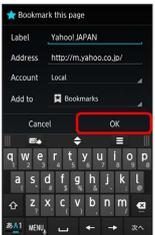
Open target page    Save to bookmarks



 Add bookmark window opens.

3

Check/edit label, URL, etc.  OK



 Current webpage is added to Bookmarks.

## Opening New Tabs

Open up to 16 pages in different tabs to switch between pages easily.

1

In Home Screen,  (Browser)



 Browser opens.

2



 Tab index appears.

· Dragging screen down shows address bar.

3



 New tab appears.

· Tap tab in tab list to change it.

## Using SSL/TLS

Secure Sockets Layer (SSL) and Transport Layer Security (TLS) are encryption protocols that secure Internet transmissions of important/sensitive information such as credit card numbers and corporate secrets, providing protection against online threats (eavesdropping, falsification, impersonation, etc.). Handset is preloaded with digital certificates issued by certificate authorities.

### SSL/TLS Caution

When a security notice appears upon opening a webpage, subscribers must decide for themselves whether or not to open the page. Opening secure pages constitutes agreement to the terms of SSL/TLS usage. SoftBank Mobile Corp., VeriSign Japan and Cybertrust cannot be held liable for any damages associated with the use of SSL/TLS.



## Camera

Imaging.....56

## Imaging

Camera optimizes settings according to the subjects or scenes. Capture photos and videos with simple operations.

### Capturing Photos

- Captured photos are saved to SD Card by default.

1

In Home Screen,  (Camera)



 Camera Viewfinder appears.

- Alternatively, in Home Screen,   (Camera) to open Viewfinder.
- Alternatively, Flick left on Lock Screen to open Viewfinder.
- If Viewfinder does not open, Tap   .
- If confirmation appears, follow onscreen instructions.

2

Frame subject in Viewfinder



 Auto focus activates. Focus frame turns to green when the subject is focused on.

- Handset recognizes face and automatically focuses on it.
- If Auto focus fails, focus frame turns to red.

3

 (Shutter)/ 

 Shutter clicks and photo is saved.

- When Touch shutter is enabled, Tap subject to focus on and capture.
- When number of savable photos is 99 or less, savable number appears.

### Recording Videos

- Recorded videos are saved to SD Card by default.

1

In Home Screen,  (Camera)



 Camera Viewfinder appears.

2

 Video Viewfinder appears.

- Alternatively, in Viewfinder, Tap    to activate.
- If confirmation appears, follow onscreen instructions.

3

Frame subject in Viewfinder   (Record)/ 

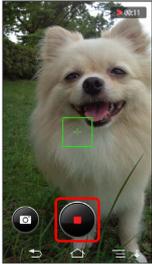


 Auto focus activates, recording start sound sounds and then recording starts.

- When subject is already focused on, handset starts recording.

## 4

Tap  (End recording)/  to end recording



 Recording end sound sounds and video is saved.

- While recording, Tap  to capture a photo. Shutter does not sound at this time. Captured photos are saved.
- Tap subject while recording to change focus point. Focus lock does not sound at this time.
- If confirmation appears, follow onscreen instructions.

### Imaging Notes

#### Photo File Format

Photos are saved as JPEG files.

#### Video File Format

Videos are saved as MP4 (H.264) files.

### Capturing/Recording Operation

#### Zooming

Pinch in/out Viewfinder

 Subject is zoomed out/in.

- Zoom in/out while recording.
- While zooming in/out, Zoom slider appears. Drag Zoom slider to zoom in/out.

#### Checking Captured Photos and Videos in Gallery

Flick left in Viewfinder

 Gallery opens and shows photos/videos.

- To show Viewfinder from Gallery, Tap  or Flick the last photo/video right.

### Camera Cautions

#### Keep Lens Clean

Fingerprints/smudges may hinder handset imaging. Clean Lens with a soft cloth beforehand.

#### Avoid Direct Sunlight Exposure

Do not expose Lens to direct sunlight for extended periods; may color filter, altering images.

#### If Battery Is Low When Using Camera

Camera uses battery power quickly. If Battery is low when using Camera, Viewfinder may be dark, captured photo may be distorted, or Camera may end automatically. Flash may be dark.

#### Using Camera When Handset Is Hot

If Camera is used when handset is hot, alert may appear and Camera may end.

#### Launching from Other Application

When Camera is launched from NX! Mail etc. with Max 13MP 4128x3096/Max pix wide 4128x2336 set as picture size, setting may be automatically changed to Fit screen 1920x1080.

### Warning on Flash

Do not position Flash close to eyes. Do not look at Flash directly while in use. Do not point Flash at eyes of others. It may harm eyesight.



## Music & Images

Music Files.....	60
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## Music Files

### Playing Music Files

Supported file formats (extension): aac, mp4, m4a, mp3, 3gp, 3g2, amr, awb, mkv (Video with sound only), wav, ogg, flac, wma, mid, xmf, mxmf, rtttl, rtx, ota, imy.

- Some files in these file formats may not be playable.

1

In Home Screen,    (Play Music)



 Music Library appears.

2

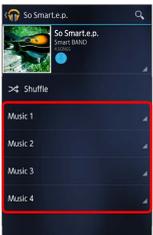
Flick Display left/right to select category (ALBUMS, etc.)



 List of songs appears.

3

Tap item  Tap a song



 Song plays.

### Playing Music on Lock Screen

After set period of inactivity during music playback, Screen Lock activates. Press  or Fingerprint Sensor for Operation panel to enable playback operation.

## Image Files

### Viewing Images

View photos and videos saved on handset or SD Card. See below for supported file formats.

- Some files in these file formats may not be playable.

Type	File Format
Photos	JPEG, BMP, GIF <sup>1</sup> , PNG, WebP
Videos	H.263, H.264, MPEG-4, WMV9, VP8

- GIF Animation is not available.

1

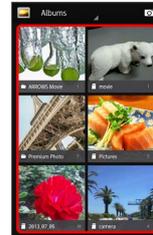
In Home Screen,    (Gallery)



 Album index appears.

2

Tap an album



 Photo/video list appears.

3

Tap image to view it

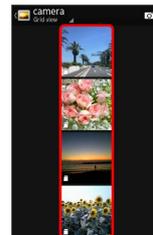


 Image appears.

## Saving Location for Photos/Videos

In album/photo/video list, files/folders shown with  are saved on SD Card. Files/folders shown with  /  are saved in Internal storage. For files/folders synced with an online album, the icon of the online album may be shown.

## Operation in Gallery

### Brightening Image to View

In Albums,   Setting  Brightness up

· Tap  to enable ()/disable () .

### Activating Camera

In album/photo/video list, 

### Slideshow

In photo list,   Slideshow

### Moving/Copying Data

In album/photo/video list, Touch & Hold data to move/copy    Move/Copy  Select where to save  Yes

· Alternatively, in photo/videos list, Tap data to move/copy    Move/Copy  Select where to save  Yes .

### Sharing Photos/Videos with Applications

In photo/video window,   Tap application   
Follow onscreen instructions

· Next to  , recently-used application icon appears.



## TV

Full Seg and One Seg..... 64

## Full Seg and One Seg

Both Full Seg and One Seg are available (only in Japan).

### Settings

1

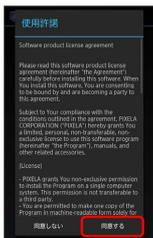
In Home Screen,   (TV)



 "使用許諾" window appears.

2

同意する



 "チャンネルリスト作成" window appears.

3

地域を選択してスキャン



· Tap **受信チャンネルをスキャン** to scan available stations and set channels.

4

Tap region  Tap prefecture  Tap area

 Channel scan (searching) starts. Channel list appears when channels are set.

5

保存

 TV activates.

· If confirmation appears, follow onscreen instructions.

## Watching Television

1

In Home Screen,   (TV)



 TV window appears.

· If confirmation appears, follow onscreen instructions.

2

 (Channel) in Control Bar



 Channel list appears in information area.

3

Tap a channel



 Selected channel window appears.

· Alternatively, Swipe/Flick service area left/right to switch channel.

## ? Troubleshooting

Q. Cannot activate TV

A. Battery may be low. Charge Battery.

Q. Cannot watch TV

A. Fully extend TV Antenna, check reception. If reception is poor, move to a place with good reception. If inside of a building, moving near windows may improve reception.

## ! Important Notes on TV

### About Full Seg

Use Full Seg while charging Battery or with Battery fully charged.

Full Seg may not be received while moving, out of service area, etc. When "自動切替" is set by View controller, it is switched to One Seg automatically in such cases.

### Background Play

If Home Screen appears or handset goes into Sleep mode while watching TV, TV is played in background and sound is heard. To stop background play, open TV window and Double-tap  or end TV from   **テレビ終了**.

Background play ends after two hours elapses.

### Do Not Use TV under Following Conditions

Do not use TV while riding a bicycle or motorcycle, or driving a car. Pay attention to the surrounding traffic when walking.

### Using Abroad

TV is not available due to different broadcast frequencies and formats abroad.

### Channel Setting

Channel setting using area selection may not be available when the broadcasting frequency is changed or in some areas. In this case, set channels again.

### Watching TV for a Long Time

Watching TV at a loud volume may affect hearing. Handset may also become warm and cause low-temperature burns by skin contact.

### Auto Ending TV

TV ends automatically when battery level is less than 2%.

### Using TV When Handset Is Hot

If TV is watched when handset is hot, alert may appear and TV may end.

### Playable Recorded Data

If recording time is extremely short, data may not be playable.

### Recording Programs

Depending on broadcasting stations, different programs may be broadcasted in Full Seg and One Seg. Even if Full Seg program is watched, One Seg program might be recorded.



## Connectivity

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## Wi-Fi

Use household Wi-Fi networks, etc. to connect to the Internet.

### Connecting to Wi-Fi Networks

Select from available networks to establish a connection.

1

In Home Screen,   **Settings**  **Wi-Fi**



 Wi-Fi settings appears.

2

OFF



 Wi-Fi is enabled (  ).

· Tap **ON** to disable Wi-Fi.

3

Tap access point  Enter password  **Connect**



 Handset connects to Wi-Fi network.

- A Wireless LAN router in your home may have a sticker with a password for WEP, WPA, and KEY. For details contact your router manufacturer. Also, please check your provider's contract for the password for Public Wireless LAN.
- Unsecured networks do not require password entry.

### Automatic Updates for Optimizing Wi-Fi Connection

While using Wi-Fi, updates for optimizing connection may be received or applied automatically.

### Wi-Fi Operations

#### Checking Connected Access Point

In Wi-Fi settings, Tap access point

 Connecting Status, Signal strength, Link speed, Security and IP address are shown.

## Using Tethering Option

### Tethering Option

Use handset like a Wi-Fi router to access the Internet from a PC or game devices.

- Requires separate subscription.
- Use after confirming that handset is updated to the latest software.

### Activating Tethering Option

1

In Home Screen,    (Tethering)



 Tethering Option window appears.

- When Terms of Agreement appears, read and Tap **Agree** .

### Tethering Option Help

1

In Home Screen,    (Tethering)

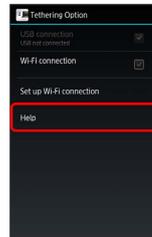


 Tethering Option window appears.

- When Terms of Agreement appears, read and Tap **Agree** .

2

Help



 Help window (Japanese) appears.

3

Follow onscreen instructions

 Description of each item appears.

#### USB Connection

To use tethering function via USB connection, install the USB driver beforehand. Download the driver from the Fujitsu website.

## Bluetooth®

Connect handset to other Bluetooth® devices for wireless connectivity.

### Activating Bluetooth®

- Handset may not pair with all Bluetooth® devices.
- Some paired devices may not operate correctly.
- Noise may occur when using wireless/handsfree devices.

1

In Home Screen,   Settings  Bluetooth



2

OFF



 Bluetooth® is enabled (  ).

- Tap **ON** to disable Bluetooth®.
- If confirmation appears, follow onscreen instructions.

### ? Trouble Shooting

Q. Why can't I use Bluetooth®?

A. Airplane mode may be active. Bluetooth® is not available in Airplane mode.

- Bluetooth® can be enabled again while in Airplane mode.

## Global Services

Calling Outside Japan..... 72

## Calling Outside Japan

### International Calling

1

In Home Screen,  (NX! Dial)



 Onscreen dialpad appears.

· If Log window appears, Tap **Phone** .

2

Touch & Hold **0** +



 + appears.

3

Omit first 0 from phone numbers when placing international calls



· Do not omit first 0 from phone numbers when dialing Italy (39).

4

**Outgoing call**

 Ringback tone sounds. Wait for receiver to accept call to talk.

### Global Roaming

Place calls the same way you would within Japan.

· Do not enter country code or omit first 0 from phone numbers.

1

In Home Screen,  (NX! Dial)



 Onscreen dialpad appears.

· If Log window appears, Tap **Phone** .

2

Use onscreen dialpad to enter phone number



3

**Outgoing call**

 Ringback tone sounds. Wait for receiver to accept call to talk.

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## About Settings

### About Settings

In Home Screen,   **Settings** to customize settings.

· Tap **More...** to show/hide some settings.

Item	Description
Profile	Check handset phone number.
Initial settings	Make necessary settings for handset use.
Wi-Fi	Enable Wi-Fi connection.
Easy Wi-Fi registration	Easily connect to an AOSS-, WPS-compatible Wireless LAN access point.
SoftBank Wi-Fi Spot settings	Set SoftBank Wi-Fi Spot.
Miracast	Show handset screen on your TV or monitor via Wi-Fi Direct.
Bluetooth	Enable Bluetooth® connection.
FM transmitter	Send played music or audio via FM and listen with a car FM radio, etc.
Data usage	Check mobile data usage and set limit.
Airplane mode	Disable handset transmissions without powering off.
VPN settings	Add a VPN.
NFC/Osaifu-Keitai Settings	Lock NFC/Osaifu-Keitai® function, change password, etc.
Mobile networks	Set networks and a network operator.
Bluetooth Low Energy Settings	Set actions when a BLE (Bluetooth® Low Energy) device is connected.
Sound and Vibration	Set ringtone, confirmation tones, etc.
Display	Set Wallpaper, Display brightness, etc.
Multimedia	Set image quality, sound quality for photos or videos.
Storage	Check handset and SD Card memory space. Also perform SD Card mount and erase SD Card data.
Battery	Check Battery usage.
NX! eco	Turn off Display backlight, running functions to reduce battery consumption when Battery reaches a specified level or at a specified time.
Apps	Check/manage installed and running applications.
Location access	Enable/disable location access.
Security	Make security settings such as setting Screen Lock, USIM Card Lock, managing authentication information.

My physical profile

Enter user information before using health-conscious apps and widgets. Also set Voice adjust, Step/Activity counter app, etc.

Slide-in function

Set Slide-in function for launching apps, capturing screens, etc. by sliding from edge of screen (Slide Spot).

Language & input

Set functions for language and text entry.

Data reset

Delete all handset system memory files.

Add account

Create/add accounts and synchronize accounts.

Date & time

Set functions for date and time.

Accessibility

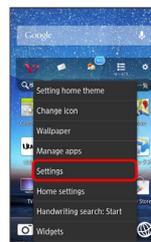
Set functions for text-to-speech, etc.

About phone

Check handset status.

1

In Home Screen,   **Settings**



 Settings window appears.

2

Set each item

 Item is set.

# Wi-Fi Settings

## Wi-Fi Settings

1

In Home Screen, Settings



2

Wi-Fi



Wi-Fi settings appears.

3

OFF

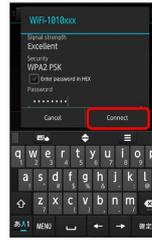


Wi-Fi is enabled ( ).

· Tap to disable Wi-Fi.

4

Tap access point Enter password



Handset connects to Wi-Fi network.

- A Wireless LAN router in your home may have a sticker with a password for WEP, WPA, and KEY. For details contact your router manufacturer. Also, please check your provider's contract for the password for Public Wireless LAN.
- Unsecured networks do not require password entry.

## + Operation When Wi-Fi Is Connected

### Connecting with Wi-Fi Direct Device to Exchange Data

In Wi-Fi setting window,   **Wi-Fi Direct**  Tap a device  Invitation is accepted on the device

- Setting is available when Wi-Fi is ON.

### Enable/Disable Network Notification

In Wi-Fi setting window,   **Advanced**  **Network notification**

- Setting is available when Wi-Fi is ON.
- Tap **Network notification** to enable ()/disable () setting.

### Setting Wi-Fi Sleep Policy

In Wi-Fi setting window,   **Advanced**  **Wi-Fi sleep policy**  Tap an item

### Enable/Disable Wi-Fi Non-Connection for Unstable Connection

In Wi-Fi setting window,   **Advanced**  **Avoid poor connections**

- Tap **Avoid poor connections** to enable ()/disable () setting.

### Specifying Frequency Band

In Wi-Fi setting window,   **Advanced**  **Wi-Fi frequency band**  Tap an item

### Saving Battery When Wi-Fi Is ON

In Wi-Fi setting window,   **Advanced**  **Wi-Fi optimization**

- Tap **Wi-Fi optimization** to enable ()/disable () setting.

### Checking MAC Address

In Wi-Fi setting window,   **Advanced**

- MAC address is shown below MAC address.

### Checking IP Address

In Wi-Fi setting window,   **Advanced**

- IP address is shown below IP address.

### Enabling/Disabling Auto-IP Setting

In Wi-Fi setting window,   **Advanced**  **auto-IP setting**

- Tap **auto-IP setting** to enable ()/disable () setting.
- Setting is available when Wi-Fi is OFF.
- When auto-IP setting is enabled and if correct IP address is not assigned, fixed IP address is given. In this case, Internet connection is not available and message that connection is limited is shown.

## Sound and Vibration Settings

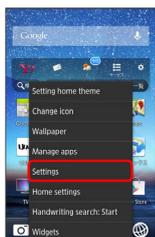
### Sound and Vibration Settings

Set Manner mode, Volume, phone ringtone, etc.

Item	Description
Volumes	Adjust volume levels.
Alert sensitivity	Automatically adjust volume levels according to the ambient noise.
Manner mode	Set Manner mode.
Turn off sound when flipped	Set to stop ringtone and vibration by flipping handset over.
MIC input	Set Mic when stereo earphones are connected.
Phone ringtone	Set phone ringtone.
Notification LED	Set notification LED.
Vibrate when ringing	Enable/disable vibration for ringtone.
Notification sound	Set notification sound.
Dial pad touch tones	Enable/disable dialpad tones.
Touch sounds	Enable confirmation tones when Tapping a menu.
Screen lock sound	Enable tone when locking/unlocking screen.
Charge vibrate	Enable vibration when charging starts/ends.
Vibrate when touch	Vibrate when unlocking screen.
Distinct touch	Vibrate when Tapping icon, etc.
Vibration level	Set vibration level for Distinct touch.
Increase vibration level when walking	Set vibration level for Distinct touch when walking.

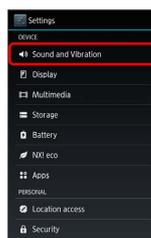
1

In Home Screen,   Settings



2

Sound and Vibration



3

Set each item

 Item is set.

## Applications Settings

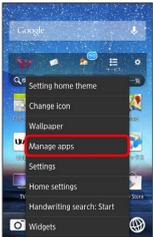
### Applications Settings

Check installed applications and running applications. Also uninstall applications.

Item	Description
DOWNLOADED	Check downloaded applications.
RUNNING	Check running applications.
ALL	Check all applications.

1

In Home Screen,   **Manage apps**



 Apps window appears.

· Alternatively, in Home Screen,   **Settings**  **Apps** .

2

Flick left/right to switch tabs  Tap an application

 Check application information.

· Uninstalling, force-stopping, disabling, etc. can be done for some applications.

## Accounts & Sync Settings

### Accounts & Sync Settings

Add accounts and set Sync.

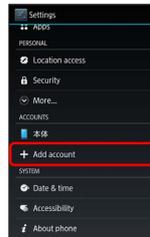
1

In Home Screen,   **Settings**



2

**Add account**



 Add an account window opens.

3

Select an account type  Follow onscreen instructions

 An account is set.

### + Setting Applications to Be Synced by Account

In setting window, Tap type of account  Tap account  Tap items

· Tap an item to enable (  )/disable (  ) setting.

## Appendix

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## Specifications

### Handset

Item	Description
Weight <sup>1</sup>	158 g
Continuous Talk Time <sup>1</sup>	3G: 1010 minutes GSM: 680 minutes
Continuous Standby Time <sup>1</sup>	4G: 510 hours 3G: 690 hours GSM: 720 hours
Charging Time <sup>1</sup>	190 minutes
Dimensions (W x H x D) <sup>1</sup>	69 x 139 x 9.8 mm
Maximum Output	4G: 0.2 W 3G: 0.25 W GSM: 2 W

<sup>1</sup> Approximate value

### Battery

Item	Description
Voltage	3.8 V
Type	Lithium-ion
Capacity	3020 mAh (12 Wh)

## Customer Service

For SoftBank handset or service information, call General Information.

For repairs, call Customer Assistance.

### SoftBank Customer Support

#### General Information

From a SoftBank handset, dial toll free at 157

From a landline/IP phone, dial toll free at

 0800-919-0157

#### Customer Assistance (Repairs/Lost Handsets)

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 Area, Shikoku Area, Kyushu & Okinawa Area: 092-687-0010

### Smartphone Technical Support Center

From a SoftBank handset, dial toll free at 151

From a landline/IP phone, dial toll free at  0800-1700-151

### 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)

## Safety Precautions

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## Safety Precautions

Read safety precautions before using handset.

Observe precautions to avoid injury to self or others, or damage to property.

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

### Safety Precautions

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

Mark	Descriptions
 <b>DANGER</b>	Great risk of death or serious injury <sup>1</sup> from improper use
 <b>WARNING</b>	Risk of death or serious injury <sup>1</sup> from improper use
 <b>CAUTION</b>	Risk of minor injury <sup>2</sup> or damage to property <sup>3</sup> 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 long term treatment.

2 Minor 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.

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

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

## Handset, USIM Card, AC Charger, Desktop Holder

### DANGER



Compulsory

Use specified AC Charger and Desktop Holder only.

Non-specified accessory use may cause Battery to leak, overheat, burst or ignite, or cause AC Charger to overheat, ignite, malfunction, etc.



Do Not Disassemble

Do not disassemble, modify or solder.

May cause fire, injury, electric shock or malfunction.

Battery may leak, overheat, burst or ignite.

Modifying handsets is prohibited by the Radio Law and subject to penalty.



Avoid Liquids Or Moisture

Keep away from water.

Do not let liquid-exposed handset/related hardware remain wet. Doing so may cause overheating, electric shock, fire, injury or malfunction. Use handset/related hardware properly/appropriately.



Prohibited

Do not charge Battery in or use or expose handset/related hardware to extreme heat (e.g. near fire or source of heat, in direct sunlight, inside vehicles, etc.). Do not charge, use or leave handset/related hardware in a place where heat collects, such as under a kotatsu (blanketed warming table) or next to a kairo (worn warming patch), etc.

May cause warping/malfunction; Battery may leak, overheat, ignite or burst. Handset or related hardware may become too hot to touch, leading to burn injuries, etc.



Prohibited

Do not force AC Charger into handset.

Battery may leak, overheat, burst, ignite, etc.

**⚠ WARNING**

Prohibited

Do not put handset, AC Charger or Desktop Holder in cooking appliances such as a microwave or pressure cooker or on IH cooking heaters.

May cause Battery to leak, overheat, burst or ignite or cause handset or AC Charger to overheat, emit smoke, ignite or cause malfunction.



Compulsory

Keep handset off and do not charge Battery near gas station or places with fire/explosion risk.

Handset use near petrochemicals or other flammables may cause fire/explosion. Be sure to power off handset before using NFC/Osaifu-Keitai® in filling stations. (When NFC/Osaifu-Keitai® Lock is set, power off handset after unlocking setting.)



Prohibited

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

Battery may leak, overheat, burst, or ignite, and may result in fire, cause electric shock, malfunction, etc.



Compulsory

Take these actions in case of odd sound, odor, smoke or abnormalities:

1. Grasp AC Charger and unplug it.
2. Power off.

Continued use may cause fire, electric shock, etc.



Prohibited

Keep liquids (water, pet urine, etc.) and conductive material (pencil lead, metal parts, necklaces, hairpins, etc.) away from charging terminal of Desktop Holder, External Device Port and Earphone Port.

May cause short circuit, resulting in fire, malfunction, etc.

**⚠ CAUTION**

Prohibited

Do not place handset on unstable/uneven surfaces.

Handset or related hardware may fall, resulting in injury, malfunction, etc.; take added care when Vibration is set or while charging.



Compulsory

Keep handset and related hardware out of infants' reach or pets.

Infants or pets may swallow handset or related hardware resulting in injuries.



Compulsory

A guardian should supervise use by children and insure handset is used as instructed.

Failure to do so may result in injuries.

**Handset**

Internal Battery type is as follows.

Symbol on Label	Battery Type
Li-ion00	Lithium-ion

**⚠ DANGER**

Prohibited

Do not dispose of handset in fire.

Battery may leak, burst, ignite, etc.



Prohibited

Do not damage (nail, hammer, stomp, etc.) handset or subject it to strong impact.

Battery may leak, overheat, burst, ignite, etc.



Compulsory

If battery fluid gets into eyes, do not rub; rinse with water and consult a doctor immediately.

May cause blindness.

**⚠ WARNING**

Prohibited

Do not use handset while driving a vehicle, motorbike or riding a bicycle.

May cause an accident. Drivers/riders using handsets while driving/riding are subject to prosecution. Stop your vehicle and park in a safe place before using handset.



Compulsory

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

May cause electronic malfunctions, etc.

\*Take added care near these devices: Hearing aids, implanted cardiac pacemakers, implanted cardioverter defibrillators, other electronic medical equipment, fire detectors, automatic doors, and other automatically controlled devices or equipment.



Compulsory

Power off before boarding aircraft to avoid possible radio wave interference with aircraft operations.

If mobile phone use is allowed on board, follow airline or cabin crew instructions regarding handset use.



Compulsory

Users with a heart condition should adjust ringtone Vibration and Volume as needed.

May cause heart damage.



Compulsory

During thunderstorms, power off immediately and seek shelter.

Lightning strikes or electric shock may occur.



Prohibited

Do not send via infrared aiming someone's eye.

May affect eyes.



Prohibited

Do not position Flash close to the faces of others. Do not look at Flash directly while in use. Do not point Flash at the eyes of others.

It may harm eyesight. Do not photograph infants up close. Flash may impair vision, causing accidents.



Compulsory

If battery fluid contacts skin or clothes, discontinue handset use and rinse with clean water immediately.

May cause skin damage.



Compulsory

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

Battery may leak, overheat, burst, ignite, etc.

## CAUTION



Prohibited

Do not use handset when it may affect a vehicle's electronic equipment.

Handset use may affect devices and lead to unsafe driving.



Compulsory

If you experience any skin irritation associated with handset use, discontinue handset use and consult a doctor.

Metal and other materials may cause skin irritation, rashes, or itchiness depending on your physical condition.



Prohibited

Keep handset away from magnetic cards, etc.

Data on bank cards, credit cards, telephone cards, floppy disks, etc. may be lost.



Prohibited

Do not swing handset by Strap, etc.

Handset may harm yourself or others or Strap may break resulting in injury or handset malfunction/ breakage.



Compulsory

Handset may become hot while in use, especially in high temperatures.

Prolonged contact with skin may cause low-temperature burn injuries.



Prohibited

Always maintain some distance from Speaker while ringtones, music or other handset sounds play.

Excessive volume may damage ears or hearing.



Compulsory

Watch TV from a distance in good light.

May impair vision.



Compulsory

Moderate handset Volume when using Headsets.

Prolonged use and excessive volume may damage ears or hearing.



Compulsory

Use FM Transmitter only in Japan. FM Transmitter uses weak signals requiring no license as a radio station under Japanese laws and regulations. Using this function abroad may be subject to prosecution.



Prohibited

Do not dispose of handset with ordinary refuse.

Take handset to a SoftBank Shop, or follow the local disposal regulations.

## Desktop Holder, AC Charger

### WARNING



Do not cover/wrap with clothing or bedding while charging.

Heat may build up resulting in fire, malfunction, etc.



Use specified power supply and voltage.

May cause fire, malfunction, etc.

AC Charger: 100 V to 240 V AC (household AC outlet only)

Do not use commercially available voltage converter, as when travelling. Doing so may cause fire, electric shock or malfunction.



Unplug AC Charger if you are not going to use it for long periods.

May cause electric shock, fire or malfunction.



If liquids (water, pet urine, etc.) seep inside AC Charger, unplug it immediately.

May cause electric shock, smoke or fire.



If plug is dusty, grasp AC Charger and unplug it, then clean with a dry cloth.

May cause fire.



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

May cause electric shock, short circuit, fire, etc.



Do not plug in/unplug AC Charger with wet hands.

May cause electric shock or malfunction.



Do not touch AC Charger if thunder is audible.

May cause electric shock, etc.

### CAUTION



Grasp AC Charger and unplug it before cleaning.

May cause electric shock, etc.



Always grasp AC Charger (not USB Cable) to disconnect it.

Pulling USB Cable may damage cord, causing electric shock, fire, etc.



Do not subject AC Charger to strong shock or impact while it is plugged into the outlet.

May cause injury or malfunction.



Do not touch Charging Terminal of Desktop Holder for a long time while charging.

May result in low-temperature burns.



Do not touch Charging Terminal with your hands, fingers, etc.

May cause electric shock, injury or malfunction.

## Handset Use & Electronic Medical Equipment

This section is based on "Guidelines on the Use of Radio Communications Equipment such as Cellular Telephones and Safeguards for Electronic Medical Equipment" (Electromagnetic Compatibility Conference, April 1997) and "Guidelines for Prevention of Effects of Radio Waves from Various Equipment Using Radio Waves on Implantable Medical Equipment" (Ministry of Internal Affairs and Communications, January 2013).

**⚠ WARNING**

Compulsory

Persons with an implanted pacemaker or defibrillator should keep handset at least 15 cm away from the device.

Radio waves may interfere with implanted pacemakers or defibrillators.



Compulsory

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

Handset radio waves may affect electronic medical equipment.



Compulsory

Handset radio waves may affect electronic medical equipment. Observe these guidelines in medical institutions:

- Do not take handset into operating rooms, or intensive or coronary care units.
- Keep handset turned off in hospital wards.
- Even in lobbies or other places where handset use is permitted, keep handset off near electronic medical equipment.
- Follow medical facility rules on handset use.



Compulsory

There may be someone who is wearing an implanted pacemaker or defibrillator. Disable handset transmissions (e.g. airplane mode) or power off handset when it is difficult to keep distance from others for at least 15 cm such as in a crowd.

When auto powering on function (e.g. alarm) is set, disable the function before powering off.

People with implanted pacemakers or defibrillators may be near. Radio waves may interfere with implanted pacemakers or defibrillators causing such devices to malfunction.

**Important Product Information****Handset, USIM Card, AC Charger**

- Use handset with External Device Port Cover and Slot Cover firmly closed to ensure water and dust resistance.
- Do not apply excessive force on handset.
  - Do not sit down with handset in a back pocket.
  - Do not place heavy objects in a bag with handset inside.
- Display is made of hardened glass, however, it may be broken if it is subject to excessive force or strong impact. If Display should be broken, stop using and do not touch fragments.
- Use AC Charger, Micro USB Charging Adapter (sold separately) within temperatures of 5°C to 35°C and humidity 35% to 80%. Avoid extreme temperatures, humidity.
- Use handset, USIM Card (inserted in handset) within temperatures of 5°C to 35°C and humidity 35% to 90%. Avoid extreme temperatures, humidity, direct sunlight (temporary use at 36°C to 40°C).
- Do not use handset, USIM Card, or AC Charger in a dusty place or where there is much vibration.
- Clean Charging Terminal with a dry cotton swab etc. Dust in port may cause contact failure. Do not apply excessive force.
- Clean handset, USIM Card, or AC Charger with a dry, soft cloth. Using benzene, thinner, alcohol, detergent, etc. may fade color/print.
- Handset use near TVs, speakers, etc. may cause interference.
- Handset may become warm while calling, using applications, charging, etc., but is not a malfunction.
- Do not scratch or subject Fingerprint Sensor to strong impact. It may cause malfunction or fault.
- Do not poke Fingerprint Sensor with sharp objects such as a pen. It may cause malfunction.
- Do not use Fingerprint Sensor with a wet or dirty finger. It may cause malfunction. Wipe off water or dust. A finger wrinkled from being wet also may cause malfunction.
- Connect AC Charger in the correct direction. Failure to do so may cause damage or malfunction.
- A guardian should supervise use by children and insure handset is used as instructed. Failure to do so may result in injuries.

## Handset

- Handset is certified as conforming to technical standards for specified wireless equipment based on the Radio Law. To show "Technical Compliance Mark" in Home Screen, **Settings** → **About phone** → **Auth**.
- Mail and downloaded data (paid and free) saved on handset cannot be transferred when handset is replaced in case of model change or repair.
- Display is manufactured with high precision technology, however, some pixels may appear darker/brighter.
- Do not apply strong force to Display.
- Do not press fingernails, sharp objects, or hard objects against Keys or Display. To prevent malfunction of Display, do not:
  - Touch with gloved hand
  - Operate with fingernails
  - Operate with a foreign object on Display
  - Attach protective sheet
  - Operate wet Display
  - Operate with wet fingers
  - Operate under water
- Use handset without disturbing others.
- Prolonged use of Camera or other applications may make handset warm. Do not touch warm handset for a long time. May cause low-temperature burns.
- Handset may become warm during use or charging. Charging may stop or Display may become dark, but is not a malfunction. If handset is used under such conditions, alert may appear and handset may power off.
- Do not use Camera while handset is warm. Camera may automatically stop.
- If handset becomes extremely hot during use, stop using immediately.
- If the same screen remains for a long while, afterimages may remain. This is not a malfunction.
- Clean handset with a dry, soft cloth. Using alcohol, thinner, etc. may damage it.
- Do not cover Light Sensor with your finger or a sticker.
- Do not cover Proximity Sensor with a sticker or your hair during call. Doing so may cause misoperation or interruption of call.
- Covering Temperature/Humidity Sensor may affect measuring accuracy.
- Covering Antenna with your fingers or metal objects may affect receiving sensitivity.
- External Device Port Cover and Slot Cover are designed not to easily be removed. If they should be removed, reattach them.
- Extreme temperature changes, cold air from air conditioning, etc. may cause condensation. It may result in corrosion.
- Place your ear on center of Speaker for the best reception.
- Handset is designed not to easily be disassembled. Modifying handset is prohibited by the Radio Law.
- Keep away from magnetism-generating devices such as a TV. It may cause malfunction.
- If handset is used while charging, charging time may take longer or charging may not be completed.

## Touchscreen

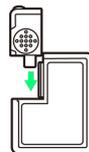
- Lock screen when putting handset in a pocket or bag to avoid erroneous operation.
- Do not touch Display with sharp objects such as ball point pens and pencils.
- Do not attach protective sheet or sticker.
- Do not touch with fingernails.

## Internal Battery

- Under extreme temperatures such as in a closed car in summer, battery capacity lowers and battery time becomes shorter.
- Internal Battery may bulge near the end of its lifetime depending on usage. This is not a malfunction.
- Internal Battery is a consumable item; may need to be replaced if operating time shortens noticeably. Internal Battery is not user replaceable; its replacement incurs fees and requires handset submission to a SoftBank Shop, etc. For details, contact a SoftBank Shop or [SoftBank Customer Support](#), General Information. To check Battery performance, in Home Screen, **Settings** → **About phone** → **Status** → **Battery performance**.
- Charge handset before use when handset is used for the first time or when it is not used for a long time.
- If handset is not fully charged after a long time, charging fails and Notification Lamp turns off. Remove handset from AC Charger and charge again.
- When Battery is low, alert may appear and handset may power off. Handset cannot activate with empty Battery even while charging. Charge a while with power off and try to power on.

## AC Charger (FMCAB1)

- Use accessory USB Cable with AC Charger.
- Unplug AC Charger if you are not going to use it.
- Grasp USB plug to unplug it. Do not forcefully pull it out.
- Do not loop AC Charger cable around AC Charger or Desktop Holder. It may cause electric shock, overheating, or fire.
- Do not bend blades of AC Charger plug or connector and cable.
- If power plug of AC Charger is removed, attach it as shown below.



- Data communication using AC Charger USB Cable is not guaranteed.
- AC Charger is for indoor use only.

## Camera

- Mind etiquette when using Camera.
- Do not expose Camera Lens to direct sunlight. Concentrated sunlight through Lens may cause handset to malfunction.
- SoftBank Mobile Corp. is not liable for damages from accidental loss/alteration/repair of handset/SD Card information (image files, etc.).
- Test Camera before capturing/recording special moments.
- Be considerate of privacy of others when taking/recording pictures/videos or sending images.
- Do not capture/record sold books or text prohibited from capturing/recording.

## Copyrights

- Copyrights  
The rights of copyright holders to literary works, music, still images, video, computer programs, databases, etc. are protected by copyright laws. You may copy these materials for private use only. Copying for purposes other than the above (including data format conversion), modifying, transferring copies, distributing on networks may be subject of compensation for losses or of prosecution for "copyright infringement" or "copyright holder rights infringement." If copying using this product, observe copyright laws. Handset is equipped with Cameras. Observe copyright laws when shooting with Cameras.
- Software contained in handset is copyrighted work including copyright holder rights and protected by copyright laws. Do not reproduce, modify, alter, disassemble, decompile or reverse engineer all or part of the software; do not separate it from hardware.
- Except where exempted by copyright laws, forwarding copyrighted images is prohibited.
- Except where exempted by copyright laws such as personal use, using and forwarding copyrighted images without copyright holder's authorization are prohibited. When disclosing recorded photographs of others to general public through Internet websites etc., take care with the copyrights or portrait rights. Note that taking photos or recording at demonstrations, performances or exhibitions may be prohibited even when only for personal use.
- Portrait Rights  
Portrait rights protect individuals' right to refuse to be photographed or to refuse unauthorized publication/use of their photographs. Portrait rights consist of the right to privacy, which protects the interests of celebrities. Therefore, photographing others including celebrities and publicizing/distributing their photographs without permission is illegal; use Camera responsibly.

## Note on Applications

- Installation of various applications is possible from Google Play™ provided by Google. SoftBank Mobile Corp. is not liable for application content (quality, reliability, legality, accuracy, etc.) or any problems (viruses, etc.) resulting from installation.
- Google Accounts  
Create a Google Account to use Google services. A Google Account is required to fully use some services and applications/functions. Do not forget your Google Account ID and password.

## Urgent News (Japanese)

- Urgent News Incoming Setting is enabled by default.
- Urgent News messages appear in Japanese.
- Upon reception, alert tone sounds even in Manner mode.
- Urgent News messages cannot be received during calls or other transmissions, or in poor signal conditions. Message reception is available during 4G data communication.
- Urgent News accuracy may vary with signal conditions/handset location.
- Enabling Urgent News may reduce Continuous Standby Time.
- SoftBank Mobile Corp. is not responsible for any losses associated with Urgent News reception, etc.

## Fingerprint Authentication

- Fingerprint Sensor is used for identifying the user. It may not function for fingerprints without strong characteristics.
- To save a fingerprint, scan the same finger three times or more. Always use the same finger.
- Accuracy may differ depending on various conditions. A wet, sweaty, or dry finger may affect accuracy or ability to save or identify a fingerprint. In such a case, washing/wiping hands, or changing fingers may improve accuracy.
- Place your first joint on center of sensor and slide it down until it passes through sensing area keeping it parallel to sensor. To avoid error, put your finger in the same direction as handset.
- Sliding too fast or too slow may prevent reading.
- Slide finger down centered on sensor.
- Error appears when fingerprint is not read correctly.
- Do not place your finger before starting saving or reading. Remove finger when activating.
- When connecting handset to a device requiring grounding such as a desktop PC with a USB cable, make sure it is grounded. If not, fingerprint authentication may be unavailable. Disconnect handset from it to authenticate.
- Fingerprint authentication technology does not guarantee complete identity authentication or verification. SoftBank Mobile Corp. is not responsible for any damages caused by use of handset or its unavailability.

## Fingerprint Sensor

- Do not remove or poke protective film on Fingerprint Sensor with a pointed object such as a pen. It may reduce waterproof performance.
- Water or dirt on Fingerprint Sensor or your finger may cause malfunction.
- Do not hit or subject to strong impact. Doing so may cause damage or malfunction. Do not scratch or poke with pointed item.
- Scratching with mud, or muddying surface may cause damage or malfunction.
- Do not place sticker on surface or let surface get ink on it.
- Dust, oil, sweat, or condensation may affect accuracy. Keep Fingerprint Sensor clean.
- If errors reoccur, clean Fingerprint Sensor.
- Use a dry, soft and static-free cloth to clean surface. Do not use sharp-pointed items.
- Static electricity may cause malfunction. Before placing finger on sensor, eliminate static electricity by touching a metal object etc. Take particular care in dry seasons such as winter.

## Bluetooth® Function

- Connection with all Bluetooth® devices is not guaranteed.
- Handset complies with Bluetooth® security standards, however, communication may be intercepted depending on the environment/settings. Take care when using Bluetooth®.
- SoftBank Mobile Corp. is not responsible for data leaked via Bluetooth® communication.
- Bluetooth® and Wi-Fi transmit on the same frequency band. Using Bluetooth® devices near handset may affect Wi-Fi transmission speed, availability and clarity. Should interference occur, disable either Bluetooth® or Wi-Fi.
- Bluetooth® devices operate on the same frequency band used by industrial or scientific machinery, consumer electronics (like microwave ovens), medical equipment, (licensed) premises radio stations used to identify mobile units used in manufacturing lines, (unlicensed) specified low power radios and (licensed) amateur radios.
  1. Before using handset Bluetooth® functions, confirm that premises radio stations, specified low power radios, and amateur radios are not in use nearby.
  2. If handset Bluetooth® function use interferes with premises radio stations, immediately change frequency band, or halt usage and take steps (set up a partition, etc.) to prevent crosstalk.
  3. If handset Bluetooth® function use interferes with specified low power radios or amateur radios, contact [SoftBank Customer Support](#), General Information.
- Bluetooth® function uses frequencies in the 2.4 GHz band ranging from 2,400 MHz to 2,483.5 MHz.



- 2.4FH/XX1  
Frequency Band: 2.4 GHz  
Modulations: FH-SS or other modulations  
Estimated Range of Radio Frequency Interference: up to 10 m  
 : Utilizes 2,400 MHz to 2,483.5 MHz band without mobile device bandwidth differentiation
- When using Bluetooth® function in other countries, check local regulations beforehand.
- For use in an airplane, contact your airline.
- Communication speed and connectable range vary by conditions.

## Wi-Fi (Wireless LAN)

- Connection with all Wi-Fi devices is not guaranteed.
- Handset complies with Wi-Fi security standards, however, communication may be intercepted depending on the environment/settings. Take care when using Wi-Fi.
- SoftBank Mobile Corp. is not responsible for data leaked via Wi-Fi communication.
- Wi-Fi devices operate on the same frequency band used by industrial or scientific machinery, consumer electronics (like microwave ovens), medical equipment, (licensed) premises radio stations used to identify mobile units used in manufacturing lines, (unlicensed) specified low power radios and (licensed) amateur radios.
  1. Before using Wi-Fi, confirm that premises radio stations, specified low power radios, and amateur radios are not in use nearby.
  2. If Wi-Fi use interferes with premises radio stations, immediately change frequency band, or halt usage and take steps (set up a partition, etc.) to prevent crosstalk.
  3. If Wi-Fi use interferes with specified low power radios or amateur radios, contact [SoftBank Customer Support](#), General Information.
- Wi-Fi uses frequencies in the 2.4 GHz band ranging from 2,400 MHz to 2,483.5 MHz.



- 2.4DS/OF4  
Frequency Band: 2.4 GHz  
Modulations: DS-SS, OFDM  
Estimated Range of Radio Frequency Interference: up to 40 m  
 : Utilizes 2,400 MHz to 2,483.5 MHz band with mobile device bandwidth differentiation
- Available channels may vary by country.
- For use in an airplane, contact your airline.
- When using Wi-Fi in other countries, check regulations beforehand.
- Do not use Wi-Fi near magnetic devices such as electrical appliances or AV/OA devices.
- Magnetic/radio waves may hinder or disable communication. Avoid microwave ovens.
- Use near a TV or radio, etc. may cause interference; may affect TV reception.
- If there are multiple Wi-Fi access points using the same channel, search may fail.
- The three channels of W52, W53 and W56 can be used on 5 GHz frequency band. W52 and W53 are prohibited from outdoor use under the Radio Law.

## What if Handset Freezes

- If handset deactivates, freezes, or does not accept any input, reboot handset as follows (Rebooting erases data being edited.):
  - 1  (Long Press 10 seconds or more)
  - 2 When handset is powered off,  (Long Press)

## Waterproofing/Dustproofing

### Water and Dust Resistance

Handset complies with IPX5\*1, IPX8\*2 waterproof standards and IP5X\*3 dustproof standard with External Device Port Cover and Slot Cover firmly closed.

\*1 Protection against water jet (at 12.5 L/min. from every direction from a distance of approximately 3 m for over 3 minutes through 6.3 mm nozzle)

\*2 Protection against seepage when slowly submerged in still tap water at room temperature to depth of 1.5 m for 30 minutes

\*3 Protection against dust (in a device containing dust particles with a diameter of 75 µm or less, agitated for 8 hours)

- Note: Complete protection is not guaranteed under all conditions. Malfunctions due to improper handling by the user are not covered by Warranty.

## Precautions

- Do not place handset directly on beach.
  - Sand may enter Mic, Earpiece, Speaker, or Earphone Port which may distort sound or cause overheating, malfunction.
- Make sure to securely close External Device Port Cover and Slot Cover.
- A fine particle (a hair, grain of sand, tiny fiber, etc.) between External Device Port Cover, Slot Cover and handset may allow water to enter.
- Do not use handset with Earphone Port wet or sand or dust inside.
- Do not use handset under water.
- Do not leave handset in a humid place such as a bathroom, kitchen etc. for a long time.
- Handset complies with water resistance specifications only for tap water at room temperature. Do not splash or soak in:
  - Water containing soap, detergent, bath salts
  - Seawater
  - Pool water
  - Hot spring water
  - Boiled water
  - Chemicals
  - Perspiration
- Hold handset approximately 10 cm below faucet or shower head and wash with low-pressure tap water ((6 L/min. or lower) at room temperature (5°C to 35°C)).
- When washing handset, make sure to securely close External Device Port Cover and Slot Cover. Do not use a brush or sponge.
- Do not wash Earphone Port Area.
- Do not wash handset in a washing machine.
- To avoid seepage, do not:
  - Remove rubber seals.
  - Pinch rubber seals when closing External Device Port Cover or Slot Cover.
  - Open/close External Device Port Cover or Slot Cover with gloves on.
  - Leave fine particles (a hair, grain of sand, tiny fiber, etc.) between External Device Port Cover, Slot Cover and handset.
  - Insert sharp-edged objects into gaps around External Device Port Cover or Slot Cover to remove those fine particles.
- Replacing parts every two years regardless of handset performance is recommended (at cost). Contact SoftBank Shop or [SoftBank Customer Support](#), General Information.
- Rinse seawater, detergent, sand, mud, etc. off with tap water.
- If handset gets wet, drain water and wipe off water from handset with a clean dry cloth.
- Do not leave handset wet.
  - Doing so may cause short circuit with External Device Port.
  - Do not leave Earphone Port wet.
  - In cold climates, freezing may cause malfunction.
- Water may leak into Earphone Port or Keypad. Shake handset to flick water away and wipe off from Keypad with a clean dry cloth.
- Wipe off water or snow with a dry clean cloth not to wet your clothes or bag.
- Before using Earphone, make sure that Earphone Port is dry.
- Desktop Holder and AC Charger are not water and dust resistant. Do not charge wet handset. When charging, drain and wipe off water before inserting into Desktop Holder or opening External Device Port Cover.
- If charging handset with External Device Port Cover opened, make sure to firmly close External Device Port Cover after charging. To avoid seepage, using Desktop Holder is recommended.
- Do not charge wet handset. Doing so may cause electric shock, fire or malfunction due to short circuit.
- Do not touch Desktop Holder or AC Charger with wet hands. Doing so may cause electric shock.
- Keep Desktop Holder and AC Charger away from water. Failure to do so may cause fire or electric shock.
- Do not use Desktop Holder and AC Charger in a humid place such as a bathroom, kitchen, etc. Doing so may cause fire or electric shock.
- Do not soak handset in hot spring water, water with soap, detergent, bath salts, etc. Also do not leave handset under water for a long time. Doing so may cause malfunction.
- Do not open/close External Device Port Cover, or Slot Cover with wet hands or when handset gets wet.
- Handset is not heat resistant. Do not immerse handset in hot water, use it in a sauna or dry it with hot air (e.g. a dryer).
- Handset is not shock resistant. Do not drop handset or subject it to excessive shock. Do not poke Mic, Earpiece, or Speaker with cotton swab or sharp-edged object. May affect waterproofing/dustproofing.
- Do not apply excessive amount of water to handset.
- Handset does not float.
- Handset is waterproof and dustproof only in the temperatures of 5°C to 40°C (only temporary use is available at 36°C to 40°C) and humidity of 35% to 90%.
- If External Device Port or Slot Cover is damaged, replace it with a new one. May result in electric shock or corrosion of Battery due to seepage.
- If handset gets wet with External Device Port Cover, or Slot Cover open, seepage may occur. In such case, power off handset, and bring it to a SoftBank Shop or contact [SoftBank Customer Support](#), General Information.
- Do not leave water in Mic, Earpiece, Speaker or Earphone Port. May cause malfunction.
- Do not leave water in Temperature/Humidity Sensor. Temperature/humidity may not be detected correctly.

## General Notes

### General Use

- If USIM Card/handset with USIM Card installed is lost or stolen, contact [SoftBank Customer Support](#) or Global Call Center.
- SoftBank Mobile Corp. is not liable for damages from accidental loss/alteration/repair of handset/SD Card information (Contacts, image/sound files, etc.). Back up important information.
- Handset transmissions may be disrupted inside buildings, tunnels or underground, or when moving into/out of such places.
- Use handset without disturbing others.
- Handsets are radios as stipulated by the Radio Law. Under the Radio Law, handsets must be submitted for inspection upon request.
- Handset use near landlines, TVs or radios may cause interference.
- Read SD Card manual beforehand for proper use.
- Beware of eavesdropping.  
Digital signals reduce interception, however transmissions may be overheard. Deliberate/accidental interception of communications constitutes eavesdropping.  
"Eavesdropping" means radio communication is received by another receiver deliberately or accidentally.

### Electromagnetic Safety

For body-worn operation, this phone has been tested and meets RF exposure guidelines when used with accessories containing no metal, that position handset a minimum of 15 mm from the body. Use of other accessories may not ensure compliance with RF exposure guidelines.

### FCC Notice

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
  - (1) This device may not cause harmful interference, and
  - (2) this device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.
- The device complies with 15.205 of the FCC Rules.  
Note:  
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.  
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help and for additional suggestions.

## FCC RF Exposure Information

Your handset is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The guidelines are based on standards that were developed by independent scientific organization through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless handsets employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. The tests are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC for each model.

The highest SAR value for this model handset as reported to the FCC when tested for use at the ear is 0.57 W/kg, and when worn on the body in a holder or carry case, is 0.57 W/kg. Body-worn Operation; This device was tested for typical body-worn operations with the back of the handset kept 1.0 cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.0 cm separation distance between the user's body and the back of the handset. The use of beltclips, holsters and similar accessories should not contain metallic components in its assembly.

The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided. The FCC has granted an Equipment Authorization for this model handset with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model handset is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/ea/> after searching on FCC ID YUW-202F.

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

## 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 2.0W/kg and the highest SAR value for this device when tested at the ear was 0.71 W/kg\*. As mobile devices offer a range of functions, they can be used in other positions, such as on the body as described in this User Guide\*\*. In this case, the highest tested SAR value is 0.546 W/kg\*\*\*. As SAR is measured utilizing the devices highest transmitting power the actual SAR of this device while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to reach the network.

The World Health Organization has stated that present scientific information does not indicate the need for any special precautions for the use of mobile devices. They note that if you want to reduce your exposure then you can do so by limiting the length of calls or using a hands-free device to keep the mobile phone away from the head and body.

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

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

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

World Health Organization

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

List of Specific Absorption Rates (SAR) for radio waves by smartphone model

<http://mb.softbank.jp/mb/support/sar/> (Japanese)

Warning

This device have been tested to comply with the Sound Pressure Level requirement laid down in the applicable EN 50332-1 and/or EN 50332-2 standards. Permanent hearing loss may occur if earphones or headphones are used at high volume for prolonged periods of time.

Prevention of Hearing Loss

Warning statement requirement under EN 60950-1:A12.



Warning: To prevent possible hearing damage, do not listen to high volume levels for long periods.

## RF Exposure Information/Specific Absorption Rate (SAR) Information

### RF Exposure Information/Specific Absorption Rate\* (SAR) Information

This mobile phone 202F meets the MIC's\*\*\*\* technical regulation for exposure to radio waves.

The technical regulation\* established permitted levels of radio frequency energy, based on standards developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.

The regulation employs a unit of measurement known as the Specific Absorption Rate, or SAR.

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

The limit includes a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The value of the limit is equal to the international guidelines recommended by ICNIRP\*\*\*\*.

The highest SAR value for this mobile phone is 0.690 W/kg when tested for use at the ear.

While there may be differences between the SAR levels of various phones and at various positions, all phones meet MIC's technical regulation.

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

Use at positions other than at the ear

This mobile phone may be used at positions other than at the ear. By using an accessory such as a belt clip holster that maintains a 1.0 cm separation with no metal (parts) between the body and the mobile phone, this mobile phone will comply with international guidelines for radio wave protection (\*\*\*).

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

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)

\* The technical regulation is provided in Article 14-2 of the Ministry Ordinance Regulating Radio Equipment.

\*\* Provided for in "Radio-radiation protection guidelines," reported in 1997 by the Telecommunications Technology Council, Ministry of Posts and Telecommunications.

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

\*\*\*\* Ministry of Internal Affairs and Communications

\*\*\*\*\* International Commission on Non-Ionizing Radiation Protection

Standards of the Federal Communications Commission (FCC) of the U.S. Government and information from the E.U. are given as information relating to RF exposure. For details, see "FCC RF Exposure Information" and "European RF Exposure Information."



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## SoftBank 202F User Guide

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Visit [SoftBank Shop](#) for assistance

Model : SoftBank 202F  
Manufacturer : Fujitsu Mobile Communications Limited