AQUOS CRYSTAL X
User Guide

AQUOS CRYSTAL X User Guide Contents

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About the User Guide

Thank-you for purchasing this product.

Before You Begin

Read "Safety Precautions" thoroughly beforehand for proper usage.
Accessible services may be limited by contract conditions.

Guide Usage Notes

In the User Guide, most operation descriptions are based on handset at time of purchase.
Unless noted otherwise, descriptions are for app sheet in Feel UX Home.
"Confirmation" refers to a window that appears after operation, such as authentication prompt window, selection window or caution window.
Some operation descriptions may be omitted.

Screenshots & Key Labels

Screenshots in the User Guide may differ in appearance with actual Display. Key labels in the User Guide are simplified for description purposes and differ with actual Display.

Other Notations

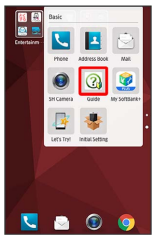
In the User Guide, the product is referred to as "handset."
microSD/microSDHC/microSDXC Card is referred to as "SD Card."
"402SH" here refers to this mobile phone "AQUOS CRYSTAL X."

Accessing Instructions on Handset

Launching Guide

1

In app sheet, (Basic) (Guide)



Guide top screen opens.

・Guide usage information and confirmation for automatic updates appear at initial startup. Follow onscreen prompts.

Enable/Disable Automatic Checking for Updates

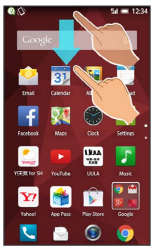
In Guide top screen, Auto Update on / off Back

Launching Guide from Notifications Window

Launch the Guide from Status Bar when indicator is shown. This is convenient such as when wanting to check how a function works.

1

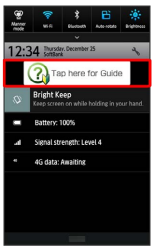
Drag Status Bar down for Notifications Window



Notifications Window opens.

2

Tap here for Guide



Guide top screen opens.

Checking Operation Descriptions for Functions from Notifications Window

Guide can be launched from Notifications Window while some apps/functions are active to access an operation description.

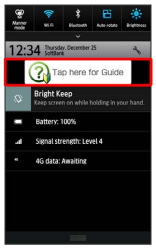
・Guide top screen sometimes appears instead of operation description.

Hiding Status Bar Indicator

Hide indicator appearing in Status Bar.

1

Drag Status Bar down for Notifications Window ➔ Tap here for Guide



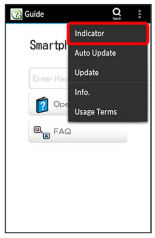
Guide top screen opens.

・If confirmation appears, follow onscreen prompts.

・Alternatively, in app sheet, (Settings) ➔ Guide .

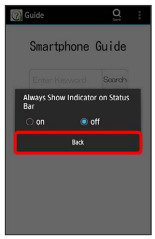
2

☰ ➔ Indicator



3

off ➔ Back



Indicator is hidden.

Using Guide

Item	Description
1 Enter information to search for	Search for items in Guide.
2 Open Guide	Check how to operate handset by category, and use voice searching for operations to check.
3 FAQ	Check frequently asked questions, and quickly access the FAQ mobile site.

Getting Started

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Package Contents

Package Contents

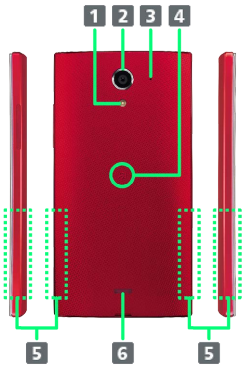
・Handset (AQUOS CRYSTAL X)
　・Battery is built into handset.
・One Seg Antenna Cable (Complimentary sample)
・クイックスタート (Japanese)
・お願いとご注意 (Japanese)
・Warranty

Parts & Functions

Handset Parts

Name	Description
1 Display	Touch to select menu items, open functions, scroll pages, etc.
2 Notification Lamp	Illuminates while charging or for notifications (missed calls, new messages, etc.).
3 Proximity/ Light Sensor	Light Sensor detects ambient light level. When Sweep ON[1] or Grip Sensor is enabled, also prevents Touchscreen misoperation during calls.
4 External Device Port	Connect AC Charger or Micro USB Cable here.
5 Headphone Port	Connect One Seg Antenna Cable or Headphones with Mic (optional accessory) here.
6 Receiver Area	Hear other party's voice through this.[2]
7 Internal Camera	Use to shoot photos or videos of yourself.
8 Mic	Talk to other party through this.

1　For Sweep ON, see "Wallpaper & Display Settings."
2　For details, see "Direct Wave Receiver."



Name	Description
1 Mobile Light	Use as a camera flash, flashlight, etc.
2 External Camera	Shoot photos or videos.
3 Mic (Recorder Mic)	Captures ambient sounds while recording videos.
4 FeliCa Mark	Hold up to reader/writer when using NFC/ Osaifu -Keitai®.
5 Grip Sensor	Turns on Display, etc. when handset is held with both right and left sensors touched.
6 Speaker	Listen to music, video sound, One Seg, etc.

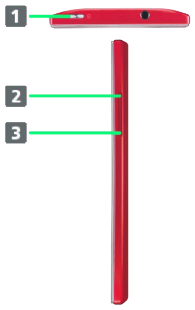
Direct Wave Receiver

Handset is equipped with a "Direct Wave Receiver" which transmits sound by vibrating Display. Although there is no hole in Receiver Area, you can call by holding handset anywhere up to ear.

For better hearing:

- Holding handset to your ear
  Hold Receiver so that it covers your ear as much as possible and blocks out surrounding noise for clearer sound. Adjust the position of handset up, down, left, or right to suit your hearing and the surrounding environment.
- Do not place stickers, films, etc. on Display. Other party's voice may become hard to hear.
- How well sound can be heard differs with each individual.
- How well sound can be heard depends on the surrounding environment.
- Make sure not to cover Mic with your finger, etc. during a call.
- When an earphone is connected to handset, sound is from the earphone instead of Direct Wave Receiver.

Handset Keys



Name	Description
1 ⏻ (Power Key)	Lock/unlock screen. Long Press for power on/off, Reboot, Airplane mode, etc.
2 Volume Up Key	Increase Volume. Long Press for Mobile Light on/off (in Welcome sheet (lock screen)).[1]
3 Volume Down Key	Decrease Volume. Long Press to activate/ cancel Manner mode (in Welcome sheet (lock screen) or Feel UX Home).

1 Alternatively, to turn off Mobile Light, open Notifications Window and Tap Mobile light on .

Battery Cover Installation

Battery Cover

General

Use handset with Battery Cover installed.

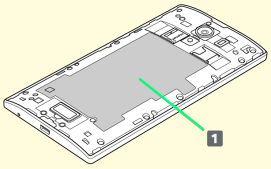
Replacement

If Battery Cover is damaged, replace it with a new one.

Protective Sheet Cautions

Heat Caution

Protective Sheet (1) may be hot to the touch while power is on or immediately after powering off, leading to burn injuries.

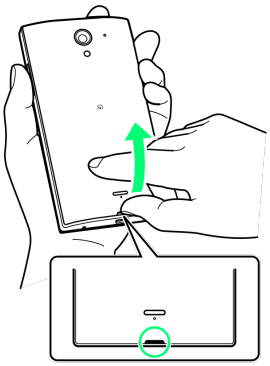


Under Protective Sheet

There are Battery and precision parts under Protective Sheet. Do not peel, damage or subject it to impact; may cause malfunction, overheating, ignition, electric shock, impairment, burn injuries, etc.

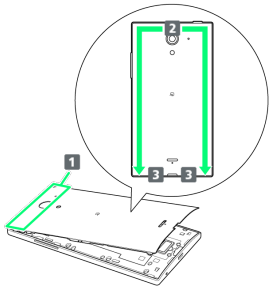
Removing Battery Cover

Always power off beforehand.
If handset is hot, wait until it cools down after powering off.



・Use notch (○) to lift Battery Cover. Push up Battery Cover along edges to remove it.

Installing Battery Cover



・Aligned with Camera in correct orientation, hook top of Battery Cover on handset near Power Key (1). Press down area around Battery Cover from top to bottom (2 , 3) to close securely with no gaps.
・Do not apply excessive force to Battery Cover; damage may result.

USIM Card Installation

USIM Card is an IC card containing customer and authentication information, including handset number.

Handling USIM Card

- Customer is responsible for any damage caused by inserting USIM Card in an other-brand IC card reader, etc. SoftBank Mobile Corp. is not responsible in such case.
- Always keep the IC chip (metal) clean.
- Wipe clean with a dry, soft cloth.
- Avoid applying labels. May damage USIM Card.
- See instructions included with USIM Card for handling.
- USIM Card is the property of SoftBank Mobile Corp.
- USIM is replaceable (at cost) in case of loss/damage.
- Return USIM Card to SoftBank Mobile Corp. when cancelling subscription.
- Returned USIM Cards are recycled for environmental purposes.
- Note that USIM Card specifications and performance may change without notice.
- It is recommended that you keep a separate copy of information that is stored on USIM Card. SoftBank Mobile Corp. is not responsible for damages from stored information that is lost.
- Always follow emergency procedures to suspend service if your USIM Card or handset (USIM Card inserted) is lost/stolen. For details, contact Customer Service.
- Always power off handset before inserting/removing USIM Card.

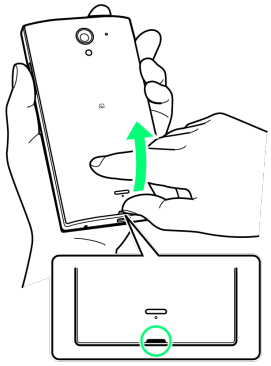
1 IC chip (metal)

Inserting USIM Card

Always power off beforehand.
If handset is hot, wait until it cools down after powering off. Do not touch Protective Sheet while handset is hot; may cause burn injuries.

1

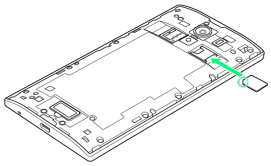
Remove Battery Cover



- Use notch (○) to lift Battery Cover. Push up Battery Cover along edges to remove it.

2

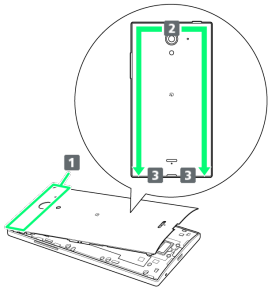
Insert USIM Card into USIM Card Slot



- Check orientation of USIM Card (see notch), then gently place it with IC chip facing down.

3

Attach Battery Cover



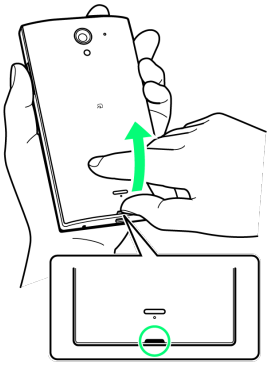
- Aligned with Camera in correct orientation, hook top of Battery Cover on handset near Power Key (1). Press down area around Battery Cover from top to bottom (2 , 3) to close securely with no gaps.
- Do not apply excessive force to Battery Cover; damage may result.

Removing USIM Card

Always power off beforehand.
If handset is hot, wait until it cools down after powering off. Do not touch Protective Sheet while handset is hot; may cause burn injuries.

1

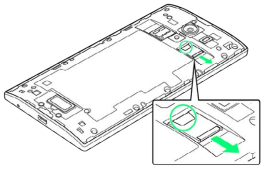
Remove Battery Cover



・Use notch (○) to lift Battery Cover. Push up Battery Cover along edges to remove it.

2

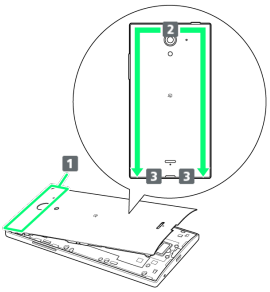
Remove USIM Card



・Push out USIM Card from the back (○), and carefully remove without bending.

3

Attach Battery Cover



・Aligned with Camera in correct orientation, hook top of Battery Cover on handset near Power Key (1). Press down area around Battery Cover from top to bottom (2 , 3) to close securely with no gaps.
・Do not apply excessive force to Battery Cover; damage may result.

Handset Memory & SD Card

Handset supports SD Card up to 128 GB. Some SD Cards may not operate properly.
Handset memory can be used for saving data including system data, applications, and video and photos taken with Camera.

Handset Memory/SD Card Usage Notes

Handset Memory/SD Card Files

Handset memory/SD Card files may be lost/altered due to accidents, malfunctions, repairs, handset upgrade/replacement, mishandling, etc. Back up important files regularly. SoftBank Mobile Corp. is not liable for any damages resulting from loss/alteration of files.
・Never power off while files are being accessed.

microSDXC Card

Handset supports microSDXC Cards (SDXC-compatible SD Cards). microSDXC Cards are supported by SDXC-compatible devices only.

Exchanging Files with Non-SDXC-Compatible Devices

To exchange files between handset and non-SDXC-compatible devices, use SD Cards (microSD/microSDHC Cards) supported by handset and those devices. Inserting a microSDXC Card used on handset in a non-SDXC-compatible device may corrupt card files. In such cases, do not format the microSDXC Card on that device even if prompted to do so.
Formatting deletes all microSDXC Card files 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.

SD Cards Previously Used with Other Mobile Phones

When installing an SD Card that was previously used with another mobile phone (for example, a phone used before changing phone models), the message "Application data is present in the microSD." may appear. To use the data on the SD Card, first transfer it to handset memory as follows.

Drag Status Bar down and open Notifications Window → Application data is present in the microSD. → Follow onscreen prompts.

・When a folder or file in handset memory has the same name as that on SD Card, confirmation appears asking whether to overwrite the folder or file. Overwritten data in handset memory cannot be recovered; use appropriate care when transferring.

Handset Memory

By default, media files, including videos and photos taken with handset, are saved in handset memory. Even with downloaded commercially-available apps described as saving data on SD Card, data is saved in handset memory.

SD Card Caution

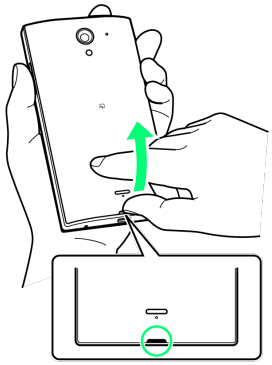
Keep SD Card away from infants; may cause choking if swallowed.

Inserting SD Card

Always power off beforehand.
If handset is hot, wait until it cools down after powering off.
Do not touch Protective Sheet while handset is hot; may cause burn injuries.

1

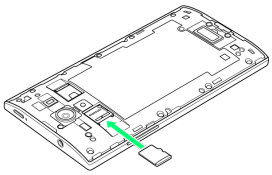
Remove Battery Cover



・Use notch (○) to lift Battery Cover. Push up Battery Cover along edges to remove it.

2

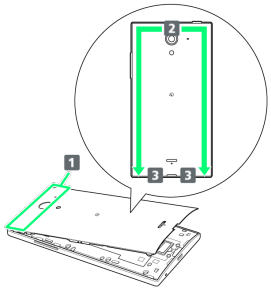
Install SD Card



・Insert SD Card all the way gently without bending and with terminals facing down.

3

Attach Battery Cover



・Aligned with Camera in correct orientation, hook top of Battery Cover on handset near Power Key (1). Press down area around Battery Cover from top to bottom (2 , 3) to close securely with no gaps.
・Do not apply excessive force to Battery Cover; damage may result.

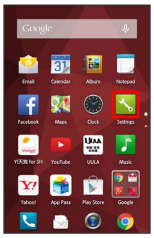
Formatting SD Card

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

・Formatting deletes all SD Card files.
・Charge handset while formatting or charge it adequately beforehand.

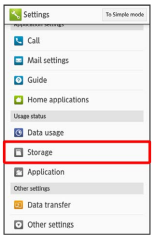
1

In app sheet, (Settings)



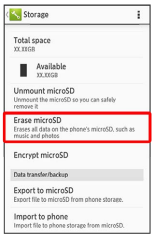
2

Storage



3

Erase microSD

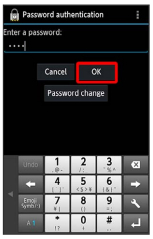


4

Erase SD card

5

Enter Operation Password OK



・If Operation Password is unset, follow onscreen prompts.

6

Erase everything

All SD Card files will be deleted.

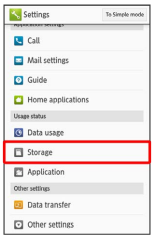
Unmounting SD Card

1

In app sheet, (Settings)

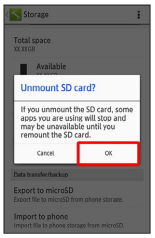
2

Storage



3

Unmount microSD → OK



Unmount microSD changes to Mount microSD. (SD Card is unmounted.)

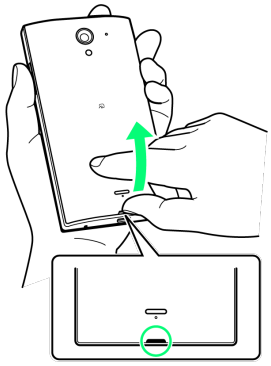
・To have SD Card recognized again, Tap Mount microSD.

Removing SD Card

Always power off beforehand.
If handset is hot, wait until it cools down after powering off.
Do not touch Protective Sheet while handset is hot; may cause burn injuries.

1

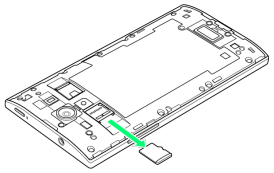
Remove Battery Cover



・Use notch (○) to lift Battery Cover. Push up Battery Cover along edges to remove it.

2

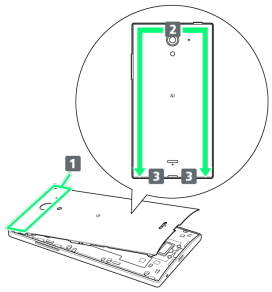
Remove SD Card



・Gently pull it straight out.

3

Attach Battery Cover



・Aligned with Camera in correct orientation, hook top of Battery Cover on handset near Power Key (1). Press down area around Battery Cover from top to bottom (2 , 3) to close securely with no gaps.
・Do not apply excessive force to Battery Cover; damage may result.

Charging Handset

Battery is built into handset.

Lithium-ion Battery

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

・To avoid fire or electric shock, do not short-circuit or disassemble Battery.

Li-ion00

Troubleshooting

Q. Notification Lamp flashes while charging

A. Charging is not in progress. Use specified Charger for charging.
If charging still does not start, contact a SoftBank Shop or SoftBank Customer Support, General Information.

Q. Cannot charge handset abroad

A. SoftBank Mobile Corp. is not liable for problems resulting from charging handset abroad.

Charging Cautions

Handling Cables

Do not pull, bend, or twist cable; may damage the cable.

Battery Care

To help maintain performance and life of Internal Battery, do not store in the following conditions.
・Full (immediately after charging is complete)
・Exhausted (too low to power on handset)
Battery level should be at approximately 40% for optimal storage.

Bulges of Internal Battery

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

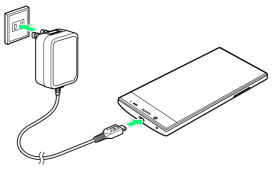
Internal Battery Replacement

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 or other appropriate servicer. For details, contact a SoftBank Shop or SoftBank Customer Support, General Information.

AC Charger

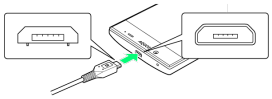
AC Charger is an optional accessory. Be sure to use SHCEJ1 or ZTDAC1 (Micro USB, 1.0 A) specified by SoftBank Mobile Corp. The following explains how to charge handset using SHCEJ1.

・See User Guide for corresponding AC Charger.



1

Insert Micro USB plug of AC Charger into External Device Port



・Insert Micro USB plug in correct orientation; otherwise, External Device Port may be damaged. Check contours and orientation of Micro USB plug before inserting it.

2

Extend blades and plug AC Charger into AC outlet

Charging starts and Notification Lamp illuminates red. Notification Lamp goes out when charge is full.

・Notification Lamp illuminates green when charge is almost full.

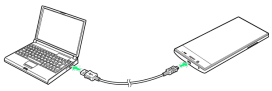
3

After charging, remove Micro USB plug from External Device Port, then unplug AC Charger and retract blades

USB Charging

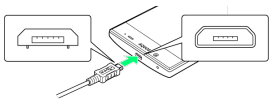
Connect handset to a PC with Micro USB Cable (SHDDL1; optional accessory).

・Turn on PC first.
・Handset may not charge or charge slowly depending on connection/PC status.



1

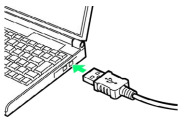
Insert Micro USB plug of Micro USB Cable into External Device Port



・Insert Micro USB plug in correct orientation; otherwise, External Device Port may be damaged. Check contours and orientation of Micro USB plug before inserting it.

2

Insert USB plug of Micro USB Cable into PC USB port



Charging starts and Notification Lamp illuminates red. Notification Lamp goes out when charge is full.

・Notification Lamp illuminates green when charge is almost full.

3

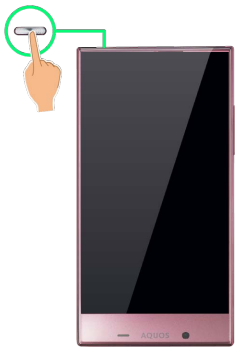
After charging, remove Micro USB Cable from handset and PC

Power On/Off

Power On

1

Long Press [⏻] until SHARP logo appears



After Power On Graphics, Welcome sheet (lock screen) appears.

2

Drag down

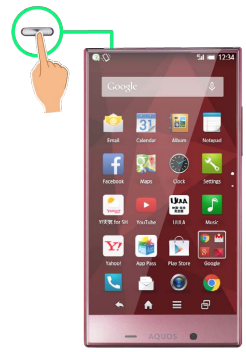
Initial setting window appears.

・See "Initial Settings" for details on initial settings.

Power Off

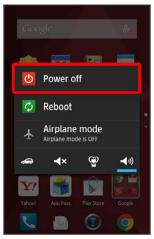
1

(Long Press)



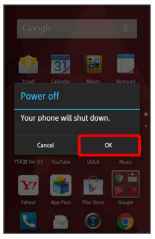
2

Power off



3

OK



Handset shuts down.

Touchscreen Operations

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

Troubleshooting

Q. Handset initiates operation without operating Touchscreen (Display) / Handset does not respond after operating Touchscreen

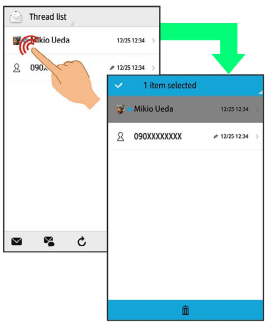
A. Press to turn off screen, Press again to turn on screen, and then operate handset.

Tap

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

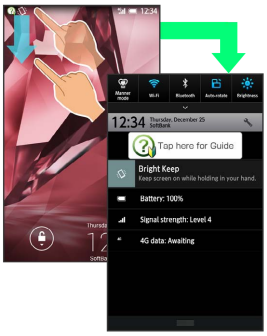
Touch & Hold

Touch item for 1+ seconds to move icon, open menu, etc.



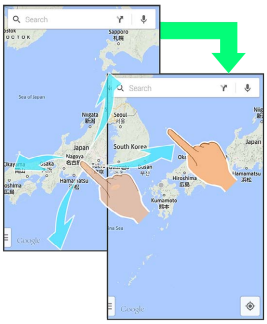
Drag

Drag item to move it.



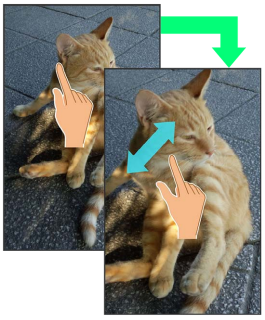
Flick

Flick to toggle sheets, pages, etc.



Pinch/Spread

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



Initial Settings

An initial settings screen appears the first time handset is powered on. Here, make settings for a Google™ account, Wi-Fi, etc. Follow onscreen prompts to set items.

Making Initial Settings

Depending on your operating environment, steps may be different.
Follow onscreen prompts on your handset.

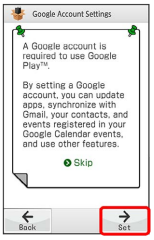
1

Confirm settings to be made in initial settings → Next

・The following appears after Tapping Next .

2

Confirm description for Google account settings → Set



・After Tapping Skip , a description for making settings for location information may appear. Tap Set and follow onscreen prompts.

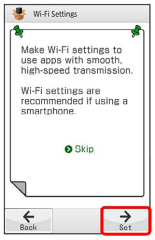
3

Set a Google account

・See "Google Account" for details on a Google account.
・The following appears after Tapping Next .

4

Confirm description for Wi-Fi settings → Set



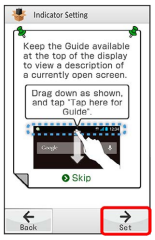
・If confirmation appears, follow onscreen prompts.

5

Set Wi-Fi items

6

Confirm description for Guide → Set



・The following appears after Tapping Next .

・If confirmation appears, follow onscreen prompts.

7

Set whether Guide indicator is always shown → Done

8

No / Yes

Initial settings are made.

・If confirmation appears, follow onscreen prompts.

Basic Operations

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Hiding Contacts.....38
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Basic Operations

Home (Feel UX Home)

Most operations start from Feel UX Home. Activate applications in app sheet, and access widgets or save shortcuts to frequently used applications in desktop sheet. See "Feel UX Home Basics" for details.

・Flick left/right to toggle sheets.
・To return to Feel UX Home, Tap at Display bottom.

Handset Navigation

Tap item, icon, key, etc. to open menu/window or execute corresponding function/operation.

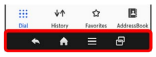
・To return to the previous screen, Tap .

Navigation Bar

Tap icons on Navigation Bar (Display bottom) for the following functions/operations.

・The icon spacing can be changed. For details, see "Navigation Key Settings."

Icon	Description
(Back key)	Return to the previous screen.
(Close key)	Close keyboard.
(Home key)	Return to Feel UX Home.
(Menu key)	Open Options menu.
(Recent apps key)	Activate/exit Quick Launcher. (To open/close recent applications window instead, change Recent apps key setting.) Touch & Hold to open/close Notifications Window.



Activating Applications that Support Assist Function

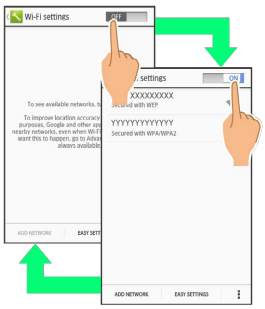
Drag Navigation Bar up (icon appears) Drag to icon and release finger

・Depending on icon, releasing finger may cause selection screen to appear.

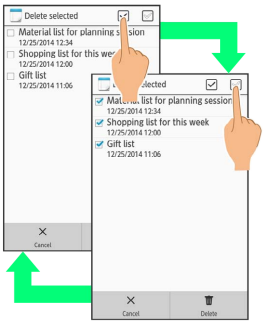
Action Bar

Current menu/window title appears on Action Bar (Display top). On the right side of Action Bar, icons for functions frequently used in that menu/window appear.

・When ON or OFF is on Action Bar, Tap to turn corresponding setting off or on.

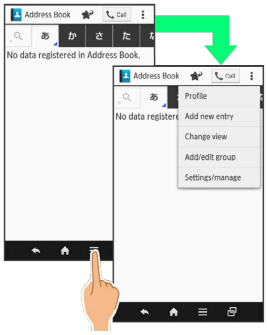


・When ☑ and ☑ are on Action Bar, Tap to select or cancel all items together at once.

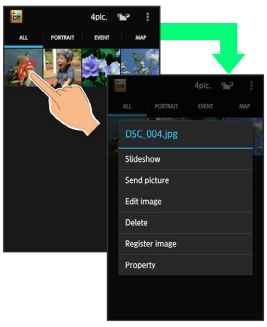


Menu Operations

Tap ☰ at Display bottom to open menu or settings.



・In some windows, Touch & Hold for menu or settings.

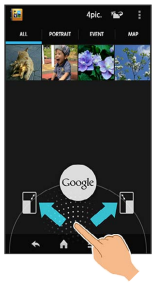


One-Hand Operation

Shrink screen for easier one-hand operation.

1

Touch Navigation Bar then Slide up ➔ Slide to ◧ or ◨ and release finger



Screen shrinks.

・If confirmation appears, follow onscreen prompts.
・To restore full-screen view, touch Navigation Bar then Slide up to ◧ or ◨ and release finger.

Shrunk Screen Mode Operations

Moving Shrunk Screen

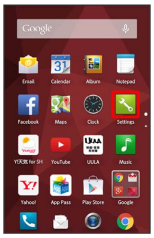
In shrunk screen, 🔧 ➔ Drag screen to change its position ➔ OK

Enlarging/Reducing Shrunk Screen Size

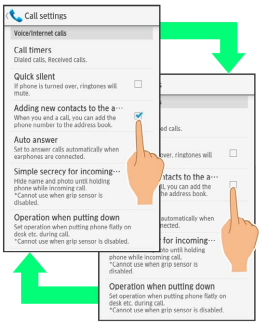
In shrunk screen, 🔧 ➔ Pinch or Spread screen to shrink or enlarge it ➔ OK

Handset Settings

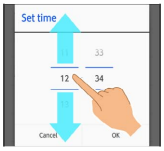
In app sheet, Tap (Settings) to customize settings.



・Checkbox (or) appears beside some options. Tap to enable ( ) or disable ( ) option.



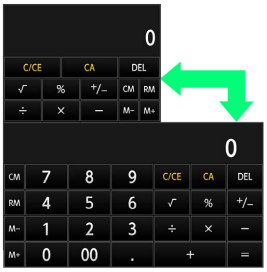
・Drag/Flick slider, spinner, etc. to adjust some settings. If available, Tap or for additional settings.



Handset & Display Orientation

Rotate handset 90 degrees; Display orientation changes accordingly.

・Display orientation may not change in some windows.
・Handset can be set so that the screen does not change from vertical to horizontal orientation while handset is held. For details, see "Using Grip Sensor."



Capturing Screenshots

Press and Volume Down Key at the same time to capture a screenshot of the current screen.

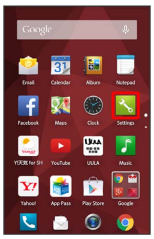
・Open captured screenshots from Photo in Contents Manager or other locations.
・Alternatively, use Clip Now and slide your finger along the top edge of Display to capture a screenshot. See "Clip Now Settings" for details.

Using Grip Sensor

When Grip Sensor is used, handset can be set to show the Welcome sheet (lock screen) when handset is picked up or to not change from vertical to horizontal orientation while handset is being held.

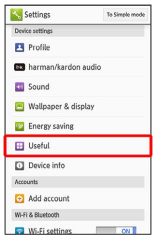
1

In app sheet, (Settings)



2

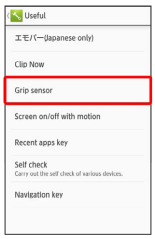
Useful



Convenient Features appears.

3

Grip sensor



Grip Sensor window appears.

・Alternatively, in desktop sheet, Tap (グリップ設定).

4

In Action Bar, OFF

Grip Sensor is enabled (ON).

・To disable Grip Sensor, Tap ON (OFF).

5

Set each item

Setting is complete.

Grip Sensor

Grip Sensor responds to touch on both the right and left of handset. As Grip Sensor does not respond when touched on only one side, be sure to grasp handset contacting Grip Sensor on both sides. When letting go of handset, release Grip Sensor on both sides. If one side remains contacted, Grip Sensor will continue to react.

Grip Sensor Operations

Set Screen Shown when Handset is Picked Up with Display Off

In Grip Sensor window, Operation when you hold the phone → Show clock/Show lock screen/Do nothing

・If handset is picked up immediately after (about two seconds) Pressing ⏻ to turn Display off, Display may not turn on when handset is picked up.

・If Show clock is set, Press ⏻ while clock is shown for Welcome sheet (lock screen).

・When Show clock is set and Sweep ON is set to ON / Enable while holding(When grip sensor is enabled) , Flick Display while clock is shown for Welcome sheet (lock screen). For details, see "Screen On/Off with Motion Settings."

・If Show lock screen is set, set Screen lock to a setting other than None . If set to None , Display will turn on but lock screen will not be shown. For details, see "Lock & Security Settings."

・If Proximity/Light Sensor is covered by a hand or other object, Display may not turn on even when Grip Sensor is touched, or operation may not be possible. Also, Display may turn off regardless of handset settings.

Set Whether to Minimize Volume and Use Vibrator when Handset Picked Up for Incoming Call or Alarm

In Grip Sensor window, Volume down for incoming calls

・Tap Volume down for incoming calls to toggle on (☑)/off (☐).

Set Whether to Prevent Vertical to Horizontal Screen Change while Handset Held

In Grip Sensor window, Deterrence rotate screen

・Tap Deterrence rotate screen to toggle on (☑)/off (☐).
・The feature may not follow settings with certain applications.

Set Whether Handset Vibrates for New Notification Indicator when Handset Picked Up and Display Off

In Grip Sensor window, Notify by vibrating → In Action Bar, OFF (ON)

・To disable vibration, Tap ON (OFF)
・To set number of times that handset vibrates, Tap Notify times → Only once / Every time till notification confirmation.
・To specify applications for which handset vibrates, Notification application setting → Add apps → Select app → Add apps.
・To cancel applications for which handset vibrates, Notification application setting → Remove apps → Select app → Remove apps → Yes.
・If the Notification Indicator is deleted or Notifications Window is open, handset does not vibrate.

Set Change in Volume when Handset Placed Down while Playing Music, Video, Etc.

In Grip Sensor window, Volume up for watching media → Follow onscreen prompts

・Volume does not change in the following cases.
 ・When media playback volume is set to 0
 ・While searching for television channels, importing data, or paused
 ・During playback when earphone microphone or Bluetooth® device is connected

Specify Whether Cover Attached

In Grip Sensor window, Putting cover setting → Uncovered / Covered

・Before setting to Covered, attach the cover or case to handset.

Connect to Sharp Website and View Video Tutorial on Grip Sensor

In Grip Sensor window, Video tutorial

Grip Sensor Cautions

Grip Sensor may not function properly in the following cases. The following may also result in misoperation.
・Operation with gloves worn
・Operation with a case or cover attached to the handset
 * Some cases or covers allow use of handset while attached. After attaching the case or cover, set Putting cover setting to Covered.
・Operation while a metal object is in contact with Grip Sensor
・Operation with wet hands
・Attaching or detaching a cover while Grip Sensor is enabled

Applications

Activating Applications

1

In app sheet, Tap application

Application activates.

・If confirmation appears, follow onscreen prompts.

Exiting Applications

In any application, Tap repeatedly until Feel UX Home returns. (Some applications may remain active.)

Where to Obtain Applications

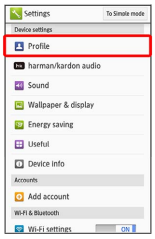
Download applications from (Play Store).

Handset Phone Number

My Phone Number

1

In app sheet, (Settings) Profile



Profile opens.

・Handset number appears in Own phone number field.

Manner Mode

Using Manner Mode

Mute ringtones and other handset sounds to avoid disturbing others around you.

・Camera shutter sound, video recording tones, music, video/game sounds, etc. still play even in Manner mode.

1

In Welcome sheet (lock screen) or Feel UX Home, Long Press Volume Down Key

Manner mode activates.

・To cancel, in Welcome sheet (lock screen) or Feel UX Home, Long Press Volume Down Key.

Selecting Manner Mode Option

(Long Press) Tap icon (e.g.,)

Airplane Mode

Airplane Mode Caution

Activating Airplane mode disables Wi-Fi and Bluetooth®, interrupting corresponding transmissions.
Wi-Fi/Bluetooth® connections can be used even in Airplane mode by enabling Wi-Fi/Bluetooth® after activating Airplane mode ; make sure that such connection/transmission is allowed in your current location before use.

Using Airplane Mode

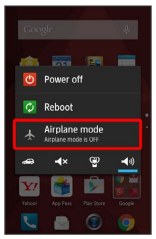
Leaving power on, suspend signal-transmitting functions.

1

(Long Press)

2

Airplane mode



Airplane mode activates.

・To cancel, Long Press , then Tap Airplane mode .

Text Entry

Keyboards

Use onscreen keyboards for text entry. In 12-key Keyboard, multiple characters are assigned to each key. In QWERTY Keyboard, a single letter is assigned to each key.

・Tap a text entry field for keyboard. To hide it, Tap .
・Text entry descriptions are for iWnn IME - SH edition (default input method).

Switching Keyboards

1

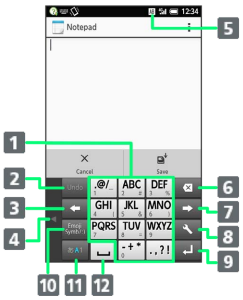
In a text entry window, Input UI

2

QWERTY keyboard or 12 keyboard

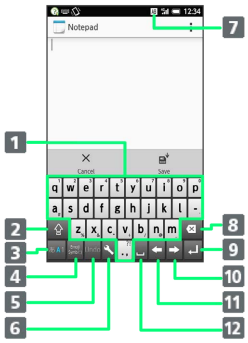
Keyboard is switched.

12-Key Keyboard Layout



1 Enter characters.
2 Undo conversion; reverse-toggle character options before confirming entry.
3 Backspace cursor.
4 Move keyboard in the arrow direction.
5 Current entry mode
6 Delete characters.
7 Advance cursor; add space at text end.
8 Show text entry options (During text entry, convert hiragana.).
9 Insert line break; confirm current characters.
10 Enter pictograms, symbols, or emoticons; switch conversion options.
11 Toggle entry modes.
12 Enter space; toggle case; add ゛ or ゜ for hiragana.

QWERTY Keyboard Layout



1 Enter characters.
2 Toggle case.
3 Toggle entry modes.
4 Enter pictograms, symbols, or emoticons; switch conversion options.
5 Undo conversion.
6 Open text entry options.
7 Current entry mode
8 Delete characters.
9 Insert line break; confirm current characters.
10 Advance cursor; add space at text end.
11 Backspace cursor.
12 Enter space (During text entry, convert hiragana.).

Switching Entry Modes

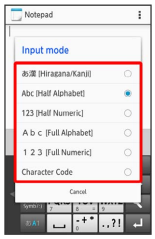
Tap あA1 to toggle Half Numeric, Hiragana/Kanji, and Half Alphabet modes. Flick あA1 right to toggle these in reverse order. To use Full Alphabet or other entry modes:

1

In a text entry window, flick あA1 up

2

Tap mode



Keyboard interface changes accordingly. Current entry mode indicator, such as AB (Half Alphabet) or あ (Hiragana/Kanji), appears.

Entering Letters

In 12-key Keyboard, to enter keitai:

・Entry in Half Alphabet is described.

1

In a text entry window, JKL (twice: k) DEF (twice: e) GHI (three times: i) TUV (once: t) ABC (once: a) GHI (three times: i) OK

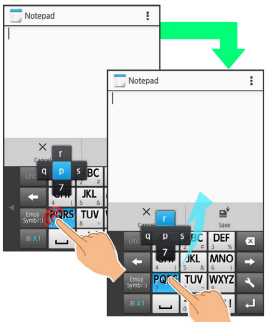
Keitai is entered.

・To toggle case, type a letter and Tap A⇔a. Tap as required to toggle case.
・Set handset to automatically capitalize the first letter as needed.

Flick Input

In 12-key Keyboard, Flick key for target character (instead of Tapping key repeatedly).

・Touch & Hold key for guide; Flick toward target character to enter.



Target Character	Operation
p	Tap PQRS once.
q	Touch PQRS and Flick left.
r	Touch PQRS and Flick up.
s	Touch PQRS and Flick right.
7	Touch PQRS and Flick down.

・To enable/disable key preview and Flick input guide, in a text entry window, Tap ➔ Display / Layout ➔ Key input guide .

Google Account

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

Google Account Cautions

Google Account Email Address & Password

Do not forget your Google Account email address and password.

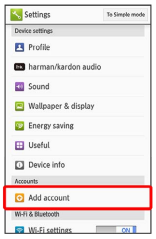
Google Account Operations & User Interface

Operations and user interface are subject to change due to automatic application updates or other reasons.

Creating a Google Account

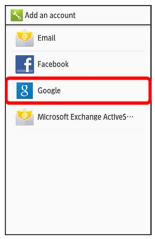
1

In app sheet, (Settings) ➔ Add account



2

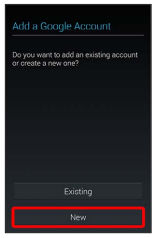
Google



Add a Google Account appears.

3

New



4

Enter first name → Next → Enter last name → ▶

5

Enter email address → ▶

・If confirmation appears, follow onscreen prompts.

6

Enter password → Next → Re-enter password → ▶

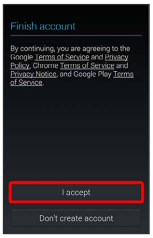
7

Not now → Select whether to enable data backup → Select whether to receive news and offers from Google Play™ → ▶

・To specify recovery options, Tap Set up recovery options. Follow onscreen prompts.

8

I accept



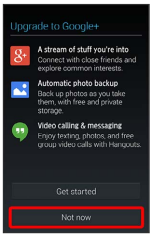
9

Enter shown characters (distorted) → ▶

・If shown characters are unreadable, enter a character then Tap ▶; other distorted characters appear.

10

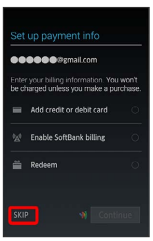
Not now



・To use Google+™, Tap Get started. Follow onscreen prompts.

11

SKIP



A Google Account is added.

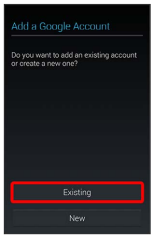
・To set payment information, Tap Add credit or debit card / Enable SoftBank billing / Redeem → Continue. Follow onscreen prompts.
・If confirmation appears, follow onscreen prompts.

Signing in to a Google Account

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

1

In Add a Google Account, Existing



2

Enter email address → Next → Enter password → ▶

3

Follow onscreen prompts

You are signed in to your Google Account.

Google Play

Download free and paid applications via Google Play. Downloaded applications can be updated manually or automatically. Sign in to a Google Account beforehand.

Google Play Cautions

Application Installation Disclaimer

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.).

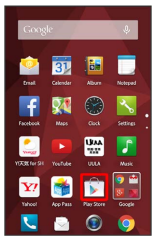
Google Play Operations & User Interface

Operations and user interface are subject to change due to automatic application updates or other reasons.

Installing Free Applications

1

In app sheet, (Play Store)



Google Play opens.

・If confirmation appears, follow onscreen prompts.

2

Tap free application → INSTALL → ACCEPT

Application downloads and installs.

Purchasing Applications

1

In app sheet, (Play Store)

Google Play opens.

・If confirmation appears, follow onscreen prompts.

2

Tap paid application Tap price Follow onscreen prompts

Application downloads and installs.

Purchased Applications

Payment

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

Use on Other Android Devices

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

Refund Requests

Request refunds within designated period. Returned applications are deleted from handset; no payment is required. (One refund request per application.)

In Google Play, on Action Bar My apps Tap application REFUND

・See "Get Help with Google Play" for details.

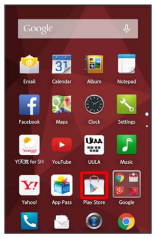
Application Purchase Disclaimer

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

Updating Installed Applications

1

In app sheet, (Play Store)



Google Play opens.

・If confirmation appears, follow onscreen prompts.

2

on Action Bar My apps Tap application UPDATE Follow onscreen prompts

Application downloads and installs.

・If confirmation appears, follow onscreen prompts.

Enabling Automatic Updates

In Google Play, on Action Bar My apps Tap application Auto-update ( )

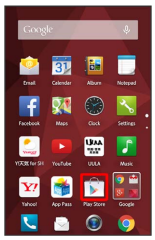
・Automatic update is not available for some applications.

Uninstalling Applications

Applications installed via Google Play can be uninstalled.

1

In app sheet, (Play Store)



Google Play opens.

・If confirmation appears, follow onscreen prompts.

2

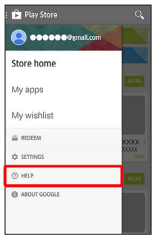
on Action Bar My apps Tap application UNINSTALL OK

Application uninstalls.

Get Help with Google Play

1

In Google Play, on Action Bar HELP



The Web browser will take you to the Google Play Help Web page.

2

Follow onscreen prompts

A description for each item appears.

Security Codes

Code Types

Center Access Code (4-digit code set in subscription contract) is necessary to use Optional Services from landlines or subscribe to fee-based information.

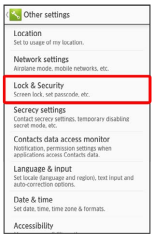
- Do not forget Operation Password and Center Access Code. If you forget these codes, contact us for recovery. For details, contact SoftBank Customer Support, General Information.
- Be careful not to reveal Operation Password or Center Access Code to others. If misused by others, SoftBank Mobile Corp. is not liable for any resulting damages.

Setting Operation Password

Do not forget Operation Password; write it down if necessary.

1

In app sheet, (Settings) ➔ Other settings ➔ Lock & Security

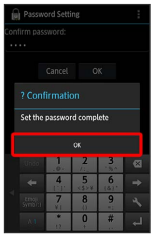


2

Operation password setting ➔ OK ➔ Enter Operation Password ➔ OK

3

Re-enter Operation Password ➔ OK ➔ OK



Operation Password is set.

・To change Operation Password, refer to the steps above. (In 2, enter current Operation Password to proceed.)

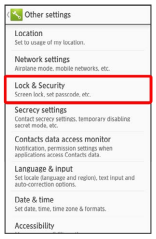
USIM PIN

PIN is a code for USIM Card. 9999 by default; enable USIM card lock to restrict handset use.

Enabling USIM Card Lock

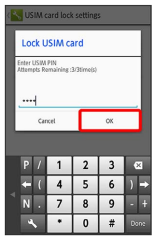
1

In app sheet, (Settings) ➔ Other settings ➔ Lock & Security



2

USIM card lock settings ➔ Lock USIM card ➔ Enter PIN ➔ OK (☑)



USIM card lock is enabled.

PIN Cautions

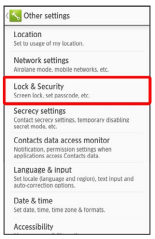
Entering incorrect PIN three consecutive times activates PIN Lock. To cancel, Personal Unblocking Key (PUK) is required; contact SoftBank Customer Support, General Information. Entering incorrect PUK ten consecutive times activates PUK Lock, disabling handset. For recovery, USIM Card must be reissued at a SoftBank Shop (fees apply).

Changing USIM PIN

Lock USIM Card first. See "Enabling USIM Card Lock" for details.

1

In app sheet, (Settings) ➔ Other settings ➔ Lock & Security



2

USIM card lock settings ➔ Change USIM PIN ➔ Enter current PIN ➔ OK ➔ Enter new PIN ➔ OK ➔ Re-enter new PIN ➔ OK

PIN is changed.

Screen Lock

After a period of inactivity, Display goes completely dark to save battery power (Screen lock active). Screen lock prevents accidental Touchscreen operation.

If Screen Lock Activates while Playing Music

Music continues to play. For operation, Press ⏻ to open Welcome sheet (lock screen) and use operation panel (operations may vary depending on application).

Activating Screen Lock Manually

1

When Display is active, ⏻

Display goes completely dark and Screen lock activates.

Unlocking Screen

1

When Display is completely dark (Screen lock active), ⏻

Welcome sheet (lock screen) opens.

2

In Welcome sheet (lock screen), Drag 🔓 down

Screen is unlocked.

・Screen lock option can be changed. See "Lock & Security Settings" for details.

If You Forget Pattern for Unlocking Screen

When drawing a pattern to unlock screen with a Google Account set up, Pattern reminder appears after failing to unlock screen five consecutive times.
Tap Pattern reminder and sign in to the Google Account to unlock screen.

Screen Lock Caution

Do not forget pattern, Lock No. passcode or password set for unlocking screen (write it down if necessary). If you forget it, visit the nearest SoftBank Shop for recovery procedure. Note that your files and settings will be lost during the recovery process.

Hiding Contacts

Specify contacts as secret entries requiring Operation Password for viewing.

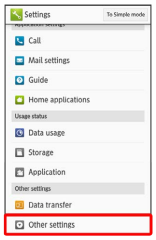
Specifying Contacts as Secret Entries

Contacts specified as secret are not shown in contacts window, destination selection window, etc.

・Phone number is shown for arriving call.

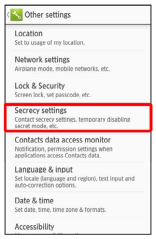
1

In app sheet, (Settings) Other settings



2

Secrecy settings



3

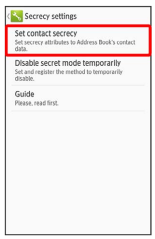
Enter Operation Password OK

Secrecy settings open.

・If confirmation appears, follow onscreen prompts.

4

Set contact secrecy



Set contact secrecy window opens.

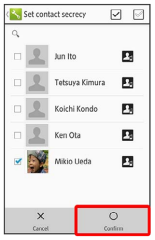
5

Tap contact to set as secret (☑)

・Several contacts are selectable.

6

Confirm



Secrecy setting for contact is made.

・Secret mode is set once screen locks.

Viewing Guide for Secrecy Setting

In Secrecy settings, Guide → Disable secret mode for now / Contact secrecy function

・Tap items to view details.

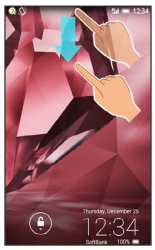
Canceling Secret Mode Temporarily

Cancel Secret mode temporarily to view/use contacts.

・Secrecy settings for contacts can be made while Secret mode is temporarily canceled.

1

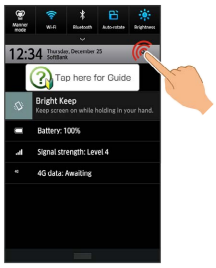
Drag Status Bar down



Notifications Window opens.

2

Touch & Hold



Entry window for Operation Password opens.

3

Enter Operation Password → OK

Secret mode is temporarily canceled.

Secrecy Settings Operations

Setting Operation Password for Temporarily Canceling Secrecy Settings

In Secrecy settings, Disable secret mode temporarily → Operation password setting → OK → Enter current Operation Password → OK → OK → Enter new Operation Password → OK → Enter new Operation Password again → OK → OK

・The setting made here is reflected in Operation password setting in Lock & Security.

Enabling Temporary Deactivation of Secrecy Settings with IC Card (NFC)

This temporary deactivation can be enabled only on the Welcome sheet (lock screen).

In Secrecy settings, Disable secret mode temporarily ➔ IC card (NFC) settings ➔ NFC secret off for now (☑) ➔ NFC screen-unlock settings ➔ Use NFC screen-unlock (☑) ➔ Register card to unlock screen ➔ Follow onscreen prompts.

- Settings made here are reflected in NFC screen-unlock settings in Lock & Security.
- Settings can be performed when Screen lock is a setting other than None.
- Settings can be performed when Reader/Writer, P2P is enabled.
- Tap Unregister the registered card to remove cards for use with screen lock deactivation from the list of saved cards.
- If confirmation appears, follow onscreen prompts.

Software Updates

Before Software Update

Handset data may be lost to damage, malfunction, wetting, etc. Back up important information before updating software. SoftBank Mobile Corp. is not liable for loss or associated damages.

Software Update Cautions

During Update

Handset cannot be used until Software Update completes; it may take some time to complete.

Signal Conditions

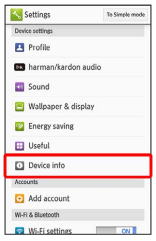
Check signal strength and battery charge beforehand. Poor signal strength or low battery charge may disrupt updates leading to update failure. Update failure may disable handset.

Software Updates

At specified time, handset automatically checks for/downloads firmware updates as required. To update firmware manually:

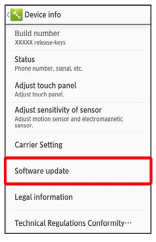
1

In app sheet, (Settings) ➔ Device info



2

Software update



Software update menu opens.

3

Software update ➔ Yes ➔ Follow onscreen prompts

Software Update starts.

Software Update Operations

Enabling/Disabling Automatic Updates

In Software update menu, Automatic Update Settings → Not automatically update or Automatically update → OK

Changing Automatic Update Start Time

In Software update menu, Update Schedule Settings → Select time → OK → OK

Handset Interface

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Welcome Sheet (Lock Screen) Basics

Welcome sheet (lock screen) appears at power on or when ⏻ is Pressed while Display is completely dark (Screen lock active).
From Welcome sheet (lock screen), unlock screen, activate an application such as Phone or Mail, etc. Add widgets in Welcome sheet (lock screen).

Welcome Sheet (Lock Screen) Layout

1 Wallpaper (and widget)[1]
2 Drag down to unlock screen; Tap for applications, settings, etc.
3 Tap i to show owner information.[2]
4 Notifications of missed calls, new messages, etc. appear here.
5 Date and time, weather, widget names[1], notification of news and trending search terms from emopa[3], etc.

1 Flick left/right to toggle view.
2 Set owner information beforehand. See "Lock & Security Settings" for details.
3 Displayed when emopa is configured. For details on emopa, see "エモパーを利用する (http://help.mb.softbank.jp/aquos-crystal-x/pc/09-01.html#action_09-01-01)" (Japanese).

Activating Applications

Activate applications from Welcome sheet (lock screen) as follows.

・Change assigned applications as needed.

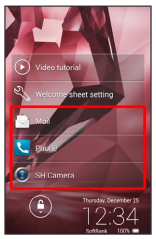
1

In Welcome sheet (lock screen), Tap

Menu opens.

2

Tap application

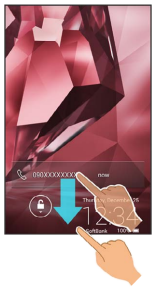


Application activates.

・Tap Video tutorial to connect to the Sharp website and view a video tutorial (Japanese) on functions.
・Tap Welcome sheet setting to open menu for customizing Welcome sheet (lock screen). Alternatively, Tap (Settings) in app sheet Wallpaper & display Welcome Sheet(lock screen). See "Wallpaper & Display Settings" for details.

Notifications (Missed Calls, New Messages, Etc.)

Information such as phone number and email address appear in Welcome sheet (lock screen). Name appears for missed calls and new messages if saved in Address Book.
Drag phone number, email address, name, etc. down to open.



Adding Widgets

1

In Welcome sheet (lock screen), Flick indicator (date/time, etc.) at bottom of Display left/right for Add Widget

2

＋ ➔ Tap widget

Widget is added.

・Touch & Hold widget ➔ Drag to new location to rearrange widgets.

・Touch & Hold widget ➔ Drag to Remove to remove widget.

Feel UX Home Basics

Feel UX Home consists of app sheet, desktop sheet, and dock. Most operations start here.
Access applications and widgets, change handset settings, etc.

Toggling Sheets

Activate applications in app sheet, access widgets or save shortcuts to frequently-used applications in desktop sheet, and quick-activate selected applications in dock from any sheet.

・Flick left/right to toggle sheets.

App Sheet Layout

1 Activate applications. (Flick up for hidden pages.)

2 Tap to toggle pages (larger dot indicates current page position).

3 Dock: Activate applications quickly from any Feel UX Home sheet.

Desktop Sheet Layout

1 Use widgets. (Flick up for hidden pages[1].)

2 Activate applications from shortcuts. (Flick up for hidden pages[1].)

3 Tap to toggle pages (larger dot indicates current page position).[1]

4 Dock: Activate applications quickly from any Feel UX Home sheet.

1 Available when application shortcuts and widgets are added. See "Adding Shortcuts" and "Adding Widgets" for details.

Status Bar

Indicators (new message notification, handset status, etc.) appear at the top of Display.

Status Bar Layout

1 Notifications, warnings, etc. appear here. (Notification Indicators)

2 Handset status and other information appear here. (Status Indicators)

Notification Indicators

Notification Indicators appear on the left.

Indicator	Description
	Guide Available (Drag Status Bar down and open from Notifications Window)
	Bright Keep On
	Urgent News
	Call Arriving/in Progress
	Call on Hold
	Missed Call
	New Answer Phone Message
	New Voicemail
	New SMS/S! Mail
	New Email
	New Gmail
	Unchecked Alarm
	Calendar Event
	One Seg Viewing in Progress
	One Seg Recording in Progress
	Application Update Available
	Application Installation Complete
	Text Entry Window (Choose Input Method)
	Data Downloading
	Bluetooth® File Reception Request
	SD Card Unmounted
	Reading SD Card
	Connected via USB
	Screenshot Captured
	Screenshot Failed
	Screenshot Captured (Clip Now)
	More Notifications
	Mobile Light On

Status Indicators

Status Indicators appear on the right.

Indicator	Description
	Battery Strength
	Charging
	Signal Strength
	No Signal (4G LTE/4G/3G)
4G	4G LTE/4G Data in Use[1]
3G	3G Data in Use
	Airplane Mode
	Wi-Fi Connected
	Bluetooth® On
	Bluetooth® Connected
	Manner (Standard) Mode
	Manner (Drive) Mode
	Manner (Silent) Mode
	Getting Location Information
	Answer Phone Set
	Answer Phone Set (Message Recorded)
	Alarm Set
	NFC/Osaifu-Keitai® Lock Set
	NFC/Osaifu-Keitai® Lock Set (USIM Card only)[2]
あ	Hiragana/Kanji Mode
AB	Half Alphabet Mode
12	Half Numeric Mode
A	Full Alphabet Mode
1	Full Numeric Mode
	Character Code Mode

1 Corresponding indicator appears when handset is connected to FDD-LTE (SoftBank 4G LTE) or AXGP (SoftBank 4G). Between these Networks, handset connects to SoftBank 4G whenever possible.

2 Displayed when a USIM Card with NFC locked on another mobile phone is then installed in handset.

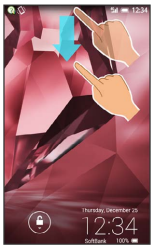
Notifications Window

Open notifications, check handset status or change various settings.

Opening Notifications Window

1

Drag Status Bar down



Notifications Window appears.

・To close Notifications Window, Tap .

Notifications Window Operations

Deleting Notifications

In Notifications Window, Flick notification left/right

・Some notifications may not be deleted.

Enlarging/Shrinking Notifications in Notifications Window

In Notifications Window, Pinch/Spread notification

・Unavailable for some notifications.

Viewing Application Information from Notifications Window

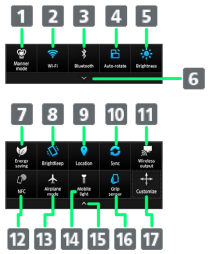
In Notifications Window, Touch & Hold notification for information App info

Notifications Window Layout

1 Setting keys
2 Show second and subsequent lines of Setting keys.
3 Notifications and active functions
4 Use corresponding functions.
5 Handset status[1]
6 Open Settings.
7 Delete all notifications and close Notifications Window.
8 Close Notifications Window. (Flick up.)

1 Tap for corresponding settings.

Setting Keys



1 Set Manner mode option.
2 Toggle Wi-Fi on/off.
3 Toggle Bluetooth® on/off.
4 Enable/disable Auto-rotate screen.
5 Set Display brightness.
6 Show second and subsequent lines of Setting keys.
7 Toggle Energy saving settings on/off.
8 Set Bright Keep.
9 Manage use of location information.
10 Enable/disable account sync.
11 Open Wireless output menu.
12 Enable/disable Reader/Writer, P2P
13 Enable/disable Airplane mode.
14 Turn on/off Mobile Light.
15 Hide second and subsequent lines of Setting keys.
16 Toggle Grip Sensor on/off.
17 Open window for customizing Setting keys.

Rearranging, Adding or Deleting Setting Keys

In Notifications Window, Customize → Drag icon to rearrange, add or delete it → ✓ on Action Bar

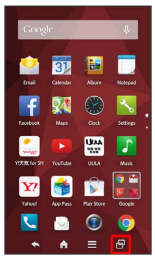
・To delete, Drag icon to unused key area (right above Navigation Bar). To add, Drag icon from unused key area to target location.

Using Quick Launcher

Activate recently used applications as well as assigned applications, mini-applications and mini-widgets.

Opening Quick Launcher

1



Quick Launcher opens.

・If Recent applications is set in Recent apps key, recent applications window appears instead. For details on Recent apps key, see "Recent Apps Key Setting."

Quick Launcher/Recent Applications Operations

Deleting Single Usage History Item

In Quick Launcher, History → Flick item down

・In recent applications window, Flick item left/right.
・Corresponding application exits if running.

Adding Applications, Shortcuts, Etc. to Quick Launcher's Favorites

In Quick Launcher, Favorites → + → Select item

Changing Applications, Shortcuts, Etc. in Recent Applications Window

In recent applications window, Touch & Hold application/shortcut → 🔧 → Select Application or Shortcut → Select item

・To reset applications/shortcuts, Touch & Hold application/shortcut in recent applications window → 🔧 → To default → Yes.

Deleting Applications and Shortcuts

In Quick Launcher, Favorites → Touch & Hold application/shortcut → Peel off

・In recent applications window, Touch & Hold application/shortcut → 🔧 → Peel off → Yes.
・Some applications can be uninstalled as follows; Touch & Hold application → Delete application → OK.

Rearranging Applications and Shortcuts in Quick Launcher's Favorites

In Quick Launcher, Favorites → Touch & Hold application/shortcut → Drag to target location

Adding Mini-Applications/Mini-Widgets

In Quick Launcher, Mini apps → + → Add mini application / Add widget → Tap mini-application or mini-widget to add

- In recent applications window, Another View → + → Add mini application / Add widget → Tap mini-application or mini-widget to add.

Deleting Mini-Applications/Mini-Widgets

In Quick Launcher, Mini apps → Touch & Hold mini-application/mini-widget → Peel off

- In recent applications window, Another View → Touch & Hold mini-application/mini-widget → Peel off .
- For some applications, Touch & Hold mini-application → Delete application → OK to uninstall application. Re-install uninstalled applications with Add from Play Store in Add mini application .

Changing Mini-Widget Names

In Quick Launcher, Mini apps → Touch & Hold mini-widget → Change name → Enter mini-widget name → OK

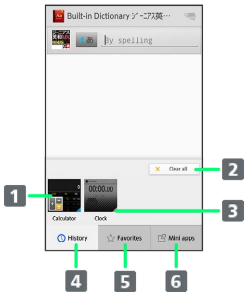
- In recent applications window, Another View → Touch & Hold mini-widget → Change name → Enter mini-widget name → OK .

Rearranging Mini-Applications/Mini-Widgets

In Quick Launcher, Mini apps → Touch & Hold mini-application/mini-widget → Drag to new location

- In recent applications window, Another View → Touch & Hold mini-application/mini-widget → Drag to new location.

Quick Launcher Layout



1. Activate recently used application.
2. Delete all history items for recently used applications.
3. Indicates application state. (Appears blue when corresponding application is running.)
4. Show history items for recently used applications.
5. Show shortcuts to frequently-used applications, bookmarks, etc.
6. Show mini-applications and mini-widgets.

Recent Applications Window Layout

1. Activate application that supports the assist function.
2. Shortcuts to applications, bookmarks, etc.
3. Delete all history items for recently used applications.
4. Activate recently used application.
5. Indicates application state. (Appears blue when corresponding application is running.)

Using Mini-Applications & Mini-Widgets

Mini-Application/Mini-Widget Usage Note

While using a mini-application or mini-widget, videos may not play properly in other applications.

Activating Mini-Applications/Mini-Widgets

While using applications, watch One Seg and videos, open a map, etc. in mini-application window or mini-widget window.

・May be unavailable depending on current application window.

1

Quick Launcher opens.

2

Mini apps → Tap mini-application or mini-widget

Mini-application window or mini-widget window opens.

・Follow onscreen prompts.

Mini-Application/Mini-Widget Operations

Moving Mini-Application/Mini-Widget Window

Drag mini-application/mini-widget window by frame to new location

Minimizing Mini-Application/Mini-Widget Window

In mini-application/mini-widget window, ⋮ → Minimize

・Alternatively, for some applications, Tap .

Using Mini-Application/Mini-Widget Data and Information with Other Application

Touch & Hold mini-application/mini-widget window → Drag data or information to other application

・In mini-application window (Album), ⋮ → Paste selected → Tap data ( ) → Paste to insert multiple data at the same time.

Showing Data Selection Screen from Mini-Application Window (During Video Playback)

In mini-application window (during video playback),

Adding Mini-Widgets in Mini-Widget Window

In mini-widget window, ⋮ → Add widget → Tap widget to add

Deleting Mini-Widget from Mini-Widget Window

In mini-widget window, ⋮ → Remove widget → Tap widget to delete ( ) → Delete

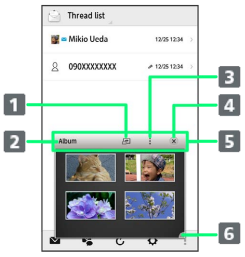
Setting Mini-Widget Background Color

In mini-widget window, ⋮ → Background color → Black / White / Translucence

Mini-Application Window/Mini-Widget Window Layout

If Operation Bar, indicators, etc. are hidden during playback, Tap mini-application window or mini-widget window to show them again.

・Window interface varies by application/widget.



1 Open standard application window.[1]
2 Application/widget name
3 Open menu.
4 Exit mini-application/mini-widget.[1]
5 Operation Bar
6 Drag to change size of mini-application window/mini-widget window.

1 Icon may be hidden if mini-application window or mini-widget window is reduced. In this case, use menu for corresponding operation.

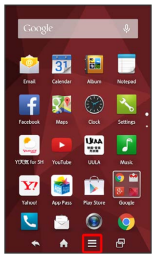
Customizing Feel UX Home

Set theme and Wallpaper, set layout of app sheet/desktop sheet and dock, and rearrange and collect icons/widgets in folders.

Setting Theme & Wallpaper

1

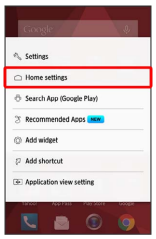
In Feel UX Home, ☰



Menu opens.

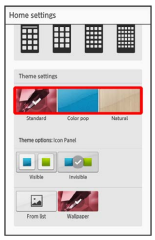
2

Home settings



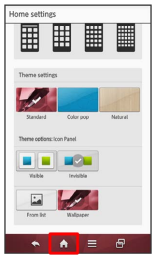
3

Tap theme (Standard , Color pop or Natural)



4

Tap image, color, pattern, etc. ➔ 🏠



Theme and Wallpaper are set.

・To show/hide icon background, Tap Visible or Invisible.
・To select from images, Tap From list. Follow onscreen prompts.
・Tap Wallpaper to use image set in Wallpaper under the Wallpaper & display menu.

Feel UX Home Operations

Connecting to Sharp Website for Video Tutorial

In Feel UX Home, ☰ ➔ Home settings ➔ View for Video tutorial

Showing/Hiding Dock

In Feel UX Home, ☰ ➔ Home settings ➔ OFF / ON for Display Dock

・Tap OFF to toggle on (ON), ON to toggle off (OFF).
・Add shortcuts for frequently-used applications to dock.

Showing/Hiding Guide Tab when Switching to App Sheet/Desktop Sheet

In Feel UX Home, ☰ ➔ Home settings ➔ OFF / ON for Show guide tab

・Tap OFF to toggle on (ON), ON to toggle off (OFF).

Setting Home Position

In Feel UX Home, ☰ ➔ Home settings ➔ Apps Sheet / Desktop Sheet for Home Position Settings

Moving Icons/Widgets

1

In Feel UX Home, Touch & Hold icon/widget

2

Drag to target location

Release to place icon/widget.

・To a folder: Drag icon to target folder.

Icon Arrangement Operations in Feel UX Home

Force-Stopping/Disabling Applications

In app sheet, Touch & Hold icon ➔ App Info ➔ Force stop / Disable

・Follow onscreen prompts.
・Some applications always remain enabled.

Hiding Applications

In Feel UX Home, ☰ ➔ Application view setting ➔ ON for application to hide

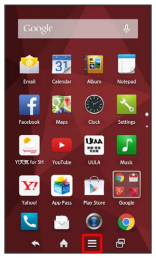
・Tap OFF to show application again. Icon appears at end in app sheet.

Changing Icon Layout

Change layout of icons in app sheet (columns/rows per screen).

1

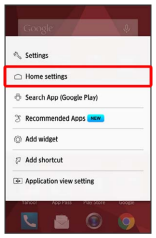
In Feel UX Home, ☰



Menu opens.

2

Home settings



3

In Layout Setting, Simple / 3×4 / 4×5 / 5×6

Layout is changed.

・If confirmation appears, follow onscreen prompts.
・Select Simple for large icons and text without showing desktop sheet.

Enable/Disable Google Search Widget in App Sheet

In Feel UX Home, ☰ ➔ Home settings ➔ OFF / ON for Display Google Search

・Tap OFF to toggle on (ON), ON to toggle off (OFF).

Adding Folders

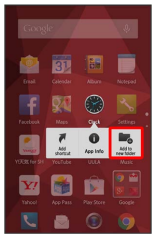
Add folders to collect icons.

1

In Feel UX Home, Touch & Hold icon to place in folder

2

Add to new folder



Folder is added, and icon is saved in the folder.

3

Drag another icon to group into the folder

2 icons are saved in the folder.

・A folder can also be created by a Long Press on an area of Feel UX Home which has no icon, followed by a Tap on Create Folder .
・Also create folders in dock.

Changing Folder Names

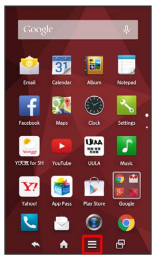
In Feel UX Home, Tap folder ➔ Tap name entry field at top of Display ➔ Enter folder name ➔ Next ➔ Tap ↩ / ⌂ /location other than Feel UX Home window

Adding Shortcuts

Add an application shortcut as follows.

1

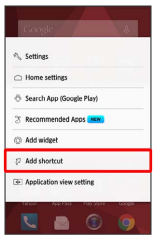
In Feel UX Home, ☰



Menu opens.

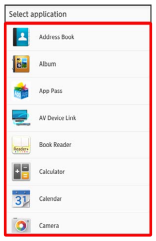
2

Add shortcut



3

Application → Tap application



Shortcut is added.

Shortcut Arrangement Operations in Feel UX Home

Adding Shortcut from App Sheet to Desktop Sheet

In app sheet, Touch & Hold icon → Add shortcut

Deleting Shortcuts

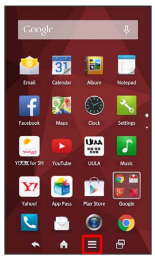
In desktop sheet, Touch & Hold icon → Peel off or drag to 🗑.

Adding Widgets

Add Album, Calendar, etc. as follows.

1

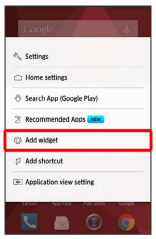
In Feel UX Home, ☰



Menu opens.

2

Add widget



3

Tap widget

Widget is added.

Removing Widgets

In desktop sheet, Touch & Hold widget → Peel off or drag to 🗑.

Childlock

Set Childlock to disable touch operation temporarily and prevent unintended operation.

Operations when Childlock is Set

While touchscreen operation is disabled, answer calls normally. Also operate Volume Up/Down Keys normally.

Setting Childlock

1

Favorites (Childlock)

2

OK

Childlock is set.

Canceling Childlock

Press [⏻] or allow Display to turn off after a period of no operation to automatically cancel Childlock.

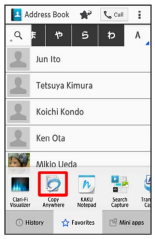
Copying Onscreen Text (Copy Anywhere)

Using Copy Anywhere

・Show content to copy on Display beforehand.

1

Favorites (Copy Anywhere)



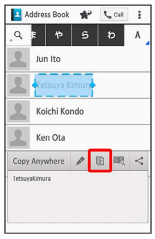
Copy Anywhere window opens.

2

Trace over area to copy Drag frame to specify scan area

Text is scanned (scan result window).

3



Text is copied.

Copy Anywhere Operations

Editing Scanned Text

In scan result window, Edit text OK

Looking Up Scanned Text in Dictionary

In scan result window,

Using KAKU Notepad

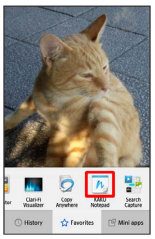
Write notes on Display and save them as images. Attach saved images to email or share them.

Writing Notes on Display

・Show content on Display to add notes to beforehand.

1

Favorites (KAKU Notepad)

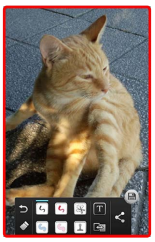


Pencil palette opens.

・If confirmation appears, follow onscreen prompts.
・If pencil palette is minimized, Tap pen or tool with to return to original size. Time to switch to simplified display to set time delay until pencil palette minimizes.
・Move pencil palette by Dragging toward top or bottom of Display.

2

Tap pen (, etc.) Trace on Display to create notes



・Pencil palette is half-transparent while creating notes.

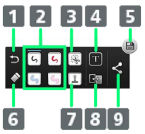
3

After completing notes,

Screen with added notes is saved as an image.

・Open Photo in Contents Manager to view saved image.

Pencil Palette Layout



1 Undo
2 Pens[1]
3 Clip out[1]
4 Enter text
5 Save
6 Eraser
7 Stamp[1]
8 Change background
9 Save & share/save as PDF

1 Tap again while using to change pen color/thickness, cut-out method, stamp type, etc.

Phone

Calling..... 60
Optional Services..... 63
Address Book..... 68

Calling

See below to dial directly or answer calls. (Handset does not support Video Call.)

VoLTE/HD Voice

Support for VoLTE/HD Voice

Handset supports VoLTE and HD Voice for high-quality call sound.

VoLTE (Voice over LTE)

VoLTE is a system enabling voice calls over LTE networks. Compared to voice calls over conventional 3G connections, high-sound quality calls and reduced time until ring tones sound are possible (requires separate subscription).
To use VoLTE, it is necessary for handset and the counterpart model to satisfy the following conditions:

- VoLTE-compatible model from SoftBank.
- Within the 4G LTE (FDD LTE) service area.
  * VoLTE unavailable while outside the SoftBank 4G LTE (FDD-LTE) area and during international roaming.
- VoLTE voice call is enabled (☑) in Network settings.
- Use 4G is enabled (☑) in Mobile networks.

HD Voice (High Definition Voice)

A wider range of audio tone is supported than conventional models, for more natural-quality voice calls.

- The counterpart model must be an HD Voice-compatible model from SoftBank.
- HD Voice calls can be made with VoLTE or 3G connections.

Troubleshooting

Q. Difficulty with call.

A. It may be difficult to make a call in a location with noise.

A. Check the call volume when using Speaker Phone.
It may be difficult to make a call with a raised call volume.

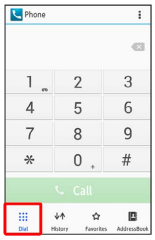
Q. Sound experiences popping during a call

A. Are you moving location during a call? Popping may occur when switching areas for a better signal. This is not a malfunction.

Placing Calls

1

In app sheet, (Basic) (Phone) Dial

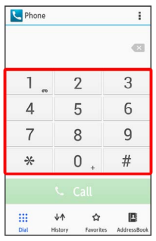


Call Window opens.

- When missed call window appears, Tap . If Feel UX Home returns, perform 1 again.

2

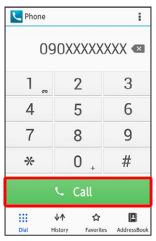
Use onscreen dialpad to enter number



- Include area code for landline numbers.

3

Call



Handset dials the number.

- Wait for other party to accept the call.

4

To end the call, Drag End call down

Call ends.

・When misoperation-preventing lock screen is unlocked, Tap End call to end call.
・After calls to/from numbers not saved in Address Book, save to Address Book confirmation appears. Follow onscreen prompts.

Troubleshooting

Q. Call does not connect

A. Did you dial all digits for the number? Dial all digits for numbers starting with a "0" area code, etc.

A. Is the signal weak? Change locations and call again.

Emergency Call Cautions

Available Areas

Emergency calls can only be made within the SoftBank service area.

Airplane Mode

Emergency calls cannot be placed when Airplane mode is active. Long Press ⏻ and cancel it.

Answering Calls

1

When a call arrives, Drag Answer down

Call connects.

・When screen is unlocked, Tap Answer.

2

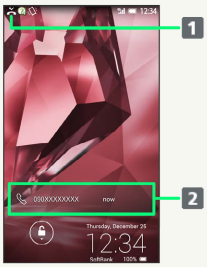
To end the call, Drag End call down

Call ends.

・When misoperation-preventing lock screen is unlocked, Tap End call to end call.
・After calls to/from numbers not saved in Address Book, save to Address Book confirmation appears. Follow onscreen prompts.

Missed Calls

For unanswered calls, appears. In Welcome sheet (lock screen), notification appears.



1 Notification Indicator
2 Notification

・Drag Status Bar down for Notifications Window, then Tap missed call notification to open Call History. When Call and SMS are below missed call notification, Tap to call back or send SMS.
・Drag notification down to open Call History.

Arriving Call/Answer Phone Operations

Placing Call on Hold

As call is arriving, Drag Answer Holding down (Tap when screen unlocked)

- Caller incurs call charges while on hold.
- Tap Answer to answer call. If screen is locked to prevent misoperation, unlock first.
- To end call, Drag End call down. When misoperation-preventing lock screen is unlocked, Tap End call to end call.

Answering with Answer Phone

As call is arriving, ☰ ➔ Absence Memo

Playing Back Answer Phone Messages

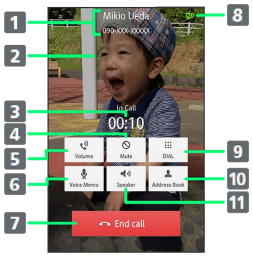
Drag Status Bar down for Notifications Window ➔ Tap Answer Phone notification ➔ Tap message

- Once playback ends, Display returns to message list.
- To pause playback, Tap Stop. If screen is locked to prevent misoperation, unlock first.

Rejecting Arriving Calls

As call is arriving, ☰ ➔ Reject

Call Window Layout/In-Call Operation



1 Other party name/number
2 Other party photo
3 Call time
4 Mute own voice.
5 Adjust volume/quality.
6 Record call.
7 End call.
8 HD Voice call in progress[1]
9 Show dialpad.
10 Open Address Book.
11 Use Speaker Phone.

1 Also appears as call is being placed, arriving, or on hold, and also in Call History.

In-Call Misoperation Prevention Feature

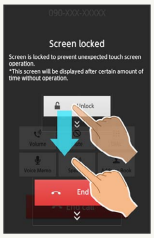
Display Turning Off during a Call

Contact with face, etc. during a call causes Display to turn off to prevent misoperation. Distance handset or Press ⏻ for normal Display.

- Note that while Power key ends call in call settings is enabled, Pressing ⏻ ends call. See "Call Settings" for details.

Screen Lock during a Call

After a period of inactivity during a call, misoperation-preventing lock screen appears and touch operation is disabled. To operate screen, Drag Unlock down to unlock screen.



- Drag End call down to end call.
- Available when Screen lock during call setting is enabled. In app sheet, (Settings) ➔ Wallpaper & display ➔ Screen lock during call to toggle on (☑)/off (☐).

In-Call Operations

Adjusting Call Volume

During call, Volume Up/Down Key

Clearer Other-Party Voice (Noise Suppression)

During call, Volume ➔ OFF in "Noise suppression" (ON)

・If screen is locked to prevent misoperation, unlock first.

Slower Other-Party Voice (Slow Talk)

During call, Volume ➔ OFF in "Slow talk" (ON)

・If screen is locked to prevent misoperation, unlock first.

Recording Call (Voice Memo)

During call, Voice Memo

・If screen is locked to prevent misoperation, unlock first.
・To end recording, Tap Stop .
・See "Call Settings" for details on playing back Voice Memos.

Emergency Location Report

Making emergency calls (110, 119 or 118) automatically reports handset location to corresponding agency (police, etc.). This system is referred to as Emergency Location Report, and notifies location based on positioning from base stations.

・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.

Optional Services

Use these SoftBank Optional Services:

Optional Services

The following optional services are available.

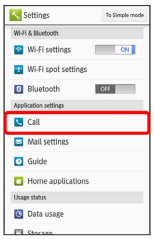
Service	Description
Call Forwarding	Divert all/unanswered calls to a preset number.
Voicemail	Divert all/unanswered calls to Voicemail Center; access messages via handset/ touchtone phones.
Call Waiting[1]	Answer calls during a call.
Group Calling[1]	Merge multiple calls.
Notify Caller ID	Send or hide your number when placing calls.
Call Barring	Restrict incoming/outgoing calls by conditions.
VoLTE Voice Services[1]	Set whether to use LTE for voice calling.

1 Requires separate subscription

Call Forwarding

1

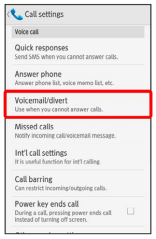
In app sheet, (Settings) Call



Call settings opens.

2

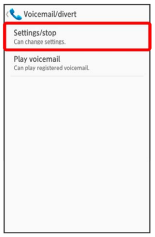
Voicemail/divert



Voicemail/divert menu opens.

3

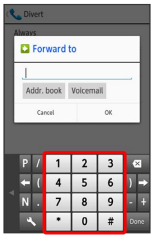
Settings/stop



Divert menu opens.

4

Always or No answer Enter number



- For No answer, Tap Wait time and select ring time as needed.
- To cancel Call Forwarding, Tap Stop call forward Yes.

5

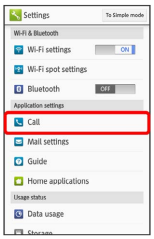
OK

Call Forwarding is set.

Voicemail

1

In app sheet, (Settings) ➔ Call



Call settings opens.

2

Voicemail/divert

Voicemail/divert menu opens.

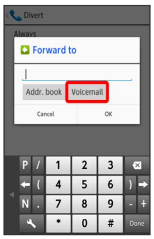
3

Settings/stop

Divert menu opens.

4

Always or No answer ➔ Voicemail



・For No answer, Tap Wait time and select ring time as needed.
・To cancel Voicemail, Tap Stop call forward ➔ Yes.

5

OK

Voicemail is set.

・When a new message is recorded, appears. To play messages, Tap Play voicemail in Voicemail/divert menu, then follow voice guidance.

Using Missed Calls

Setting Missed Calls

Handset notifies you of incoming calls when handset is powered off or out of service area.

In call settings, Missed calls ➔ Settings ➔ Call ➔ Follow audio guidance

Set Operation of Missed Calls

In call settings, Missed calls ➔ Sounds & alerts ➔ Tap items ➔ Follow onscreen prompts

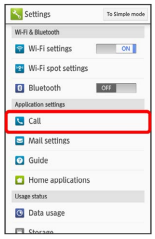
・Set Missed calls sound, Vibration pattern, Incoming calls lamp, and Ring duration.

Call Waiting

Requires separate subscription.

1

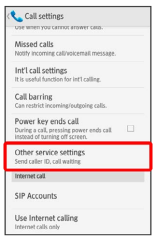
In app sheet, (Settings) ➔ Call



Call settings opens.

2

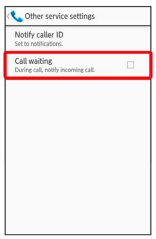
Other service settings



Other service settings opens.

3

Call waiting (☑)



Call waiting is set.

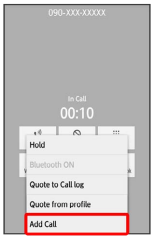
・During a call, a tone sounds for incoming calls; Drag right to answer. If screen is locked to prevent misoperation, unlock first.
・To cancel Call Waiting, Tap Call waiting (☐).

Group Calling

Requires separate subscription.

1

During a call, ☰ ➔ Add Call



2

Enter number ➔ Call

3

When call connects, ☰ ➔ Merge calls

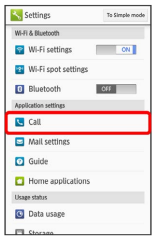
Group Calling starts.

・If screen is locked to prevent misoperation, unlock first.

Notify Caller ID

1

In app sheet, (Settings) ➔ Call



Call settings opens.

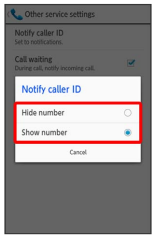
2

Other service settings

Other service settings opens.

3

Notify caller ID ➔ Hide number or Show number



Caller ID is set.

Call Barring

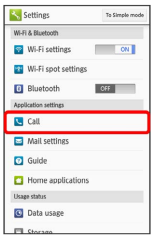
Restrict outgoing/incoming calls and SMS messages.

・When attempting to place/send a call/SMS while calling is restricted, a message appears. Message may take time to appear in some areas.

Restriction	Description
All outgoing calls	Restrict all outgoing calls.
Bar int'l call	Restrict international calls; while outside Japan, calls within current country are allowed.
Local & home only	Restrict international calls; while outside Japan, calls within current country and to Japan are allowed.
Restrict all incomings	Reject all calls.
Bar if abroad	Reject calls while outside Japan.

1

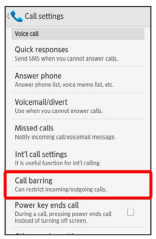
In app sheet, (Settings) ➔ Call



Call settings opens.

2

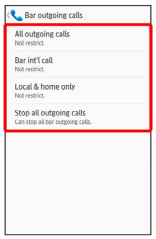
Call barring



Call barring menu opens.

3

Bar outgoing calls or Bar incoming calls ➔ Tap option



4

Restrict / Not restrict

Restriction is set.

Call Barring Operations

Canceling All Outgoing Call Restrictions

In Call barring menu, Bar outgoing calls ➔ Stop all outgoing calls ➔ Yes

Canceling All Incoming Call Restrictions

In Call barring menu, Bar incoming calls ➔ Stop all incoming calls ➔ Yes

Restricting Outgoing Calls to Specified Numbers

In Call barring menu, Restrict destinations ➔ Enter Operation Password ➔ OK ➔ Specified phone number ➔ Switch on/off (☑) ➔ Call permitted list ➔ <Empty> ➔ Enter number ➔ OK

Restricting Outgoing Calls to Numbers Saved in Address Book

In Call barring menu, Restrict destinations ➔ Enter Operation Password ➔ OK ➔ Restrict address book (☑)

Rejecting Calls from Specified Numbers

In Call barring menu, Reject call ➔ Specified numbers ➔ Switch on/off (☑) ➔ Reject numbers list ➔ <Empty> ➔ Enter number ➔ OK

Rejecting Calls from Numbers Not Saved in Address Book

In Call barring menu, Reject call ➔ Not registered numbers (☑)

Rejecting Calls with No/Undisplayable Caller ID or from Payphones

In Call barring menu, Reject call ➔ Number not sent / Payphone / Unavailable (☑)

Troubleshooting

Q. Calling is not barred

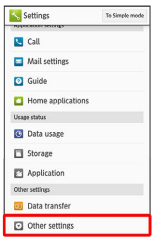
A. Are you using Call Forwarding or Voicemail? Calling may not be barred even if All outgoing calls and Restrict all incomings are set.

VoLTE Voice Services

Requires separate subscription.

1

In app sheet, (Settings) Other settings



Other settings opens.

2

Network settings

3

VoLTE voice call ( )

VoLTE voice services are set.

・To cancel VoLTE voice services, Tap VoLTE voice call ( ).

Address Book

Save phone numbers and email addresses as well as birthdays, nicknames, etc.
Set ringtones for each contact as needed.

Address Book Caution

Contacts may be altered/lost if handset is left uncharged or due to accidents, malfunctions, repairs, handset upgrade/replacement, mishandling, etc. Back up important contacts and other data regularly. SoftBank Mobile Corp. is not liable for any damages resulting from loss/alteration of contacts.

Adding New Contacts

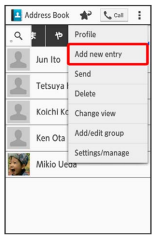
1

In app sheet, (Basic) (Address Book)

Address Book opens.

2

Add new entry



Add contact window opens.

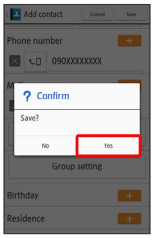
・If confirmation appears, follow onscreen prompts.

3

Tap item Complete entry

4

Save ➔ Yes



Contact is saved.

Operations when Saving Contacts

Saving Photo

In window for saving new contact, Tap top of image frame (face image, body image) ➔ Tap save method ➔ Save operation

Setting Operation for Arriving Voice Call

In window for saving new contact, Ring Set ➔ Tap item ➔ Follow onscreen prompts

・Set operation such as type of ringtone, vibration, etc.

Setting Groups

In window for saving new contact, Group setting ➔ Tap group (☑) ➔ Decision

・If no groups are saved, confirmation for adding group appears. Tap Yes for window for saving new group. Enter group name and Tap Save .

Showing Other Savable Items

In window for saving new contact, Other

・Save chat, nickname, GPS information, organization, etc.

Saving Type of Phone Number, Etc.

In window for saving new contact, Tap type (, etc.) ➔ Tap type to save

・If selecting Custom, enter type name.

Saving Several Different Phone Numbers, Etc. to Contact

In window for saving new contact, + for item to add to ➔ Enter number, etc.

Deleting Entered Phone Number, Etc.

In window for saving new contact, ✕ for item to delete

Saving Contact from Call Window

Save number entered in Call Window directly to Address Book.

In app sheet, (Basic) ➔ (Phone) ➔ Dial ➔ Tap dialpad keys to enter number to save ➔ ☰ ➔ Add to Address Book ➔ Follow onscreen prompts

Syncing with Contacts on Server

Sync handset Address Book with Google contacts, etc. on server. Also sign in to a Google account before syncing with a non-Google account.

In app sheet, (Settings) ➔ Tap account type ➔ Tap account ➔ Tap application or data to sync (☑)

Dialing from Address Book

1

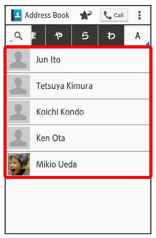
In app sheet, (Basic) (Address Book)

Address Book opens.

・Alternatively, in app sheet, Tap (Basic) (Phone) AddressBook .

2

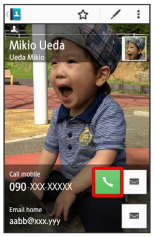
Tap tab Tap contact



Contact opens.

3

at right of number



Handset dials number. Call begins when other party answers.

4

To end call, Drag End call down

Call ends.

・If misoperation-preventing screen is unlocked, Tap End call to end call.

Messaging & Internet

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Using Email..... 79
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Messaging

S! Mail

Exchange messages with S! Mail-compatible SoftBank handsets and email compatible devices (other mobiles, PCs, etc.) beyond SMS character entry limit; attach media files.

SMS

Exchange short messages (up to 160 single-byte characters) using handset numbers as addresses.

Gmail

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

Email

Use email (POP3/IMAP4) on handset.

・Set up an email account beforehand.
・Sending/receiving email on handset syncs handset and mail server; sent/received messages (in the POP protocol, received messages only) are also accessible from PCs.

S! Mail Initial Setup

Setting Up S! Mail Initially

When activating mail for the first time, complete setup to send/receive S! Mail using Wi-Fi.

1

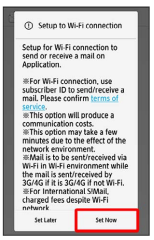
In app sheet, (Basic) (Mail)

Setup to Wi-Fi connection window opens.

・If confirmation appears, follow onscreen prompts.

2

Set Now



Wi-Fi connection setup is complete and thread list opens.

・To perform setup later, Tap Set Later .

Completing Wi-Fi Connection Setup for S! Mail via Menu Items

If you Tap Set Later at initial startup, complete setup to send/receive S! Mail using Wi-Fi as follows.

In thread list, Send/Receive Settings Wi-Fi Connection

Cautions for Sending/Receiving S! Mail Using Wi-Fi

International S! Mail Transmission Fees

Transmission fees apply when sending international S! Mail messages even if Wi-Fi is in use.

S! Mail Reception while Display is Completely Dark (Screen Lock Active)

To receive S! Mail messages using Wi-Fi even when Display is completely dark (Screen lock active), disable Wi-Fi sleep policy (Never) in Wi-Fi settings.

Sending S! Mail/SMS

Drafts

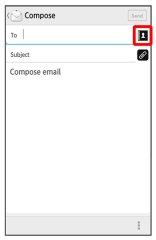
When ↩ is Tapped while creating S! Mail or SMS, confirmation appears asking whether to save the message as a draft. Follow onscreen prompts.
Drafts are indicated as ✎ in thread list, and are saved to Draft Box in folder list. Open an S! Mail/SMS draft to edit and send it.

Sending S! Mail

1

In app sheet, (Basic) (Mail)

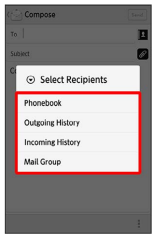
2



・Alternatively, enter phone numbers or email addresses in Recipient field directly.

3

Phonebook / Outgoing History / Incoming History / Mail Group



・Tap Phonebook , Outgoing History , or Incoming History to select recipients from Address Book, Outgoing History, or Incoming History.
・Tap Mail Group to select a mail group and set all the members on the list as recipients.

4

Select recipients ➔ OK

・Tap Phonebook , Outgoing History , Incoming History , or Mail Group to change the recipient list.
・After setting recipients, Tap ○○○○ to check recipients' phone numbers/email addresses or set them to Cc/Bcc.
・To delete a recipient, Tap ○○○○ and then ✕○○○○ .
Alternatively, Tap ○○○○ and then Delete recipient .

5

Tap Subject field ➔ Enter subject

・Tap to attach a file.

6

Tap Compose email field ➔ Enter text

7

Send

S! Mail is sent.

・Failed S! Mail messages are saved as drafts.

Sending SMS

1

In app sheet, (Basic) ➔ (Mail) ➔

2

・Alternatively, enter phone number in Recipient field directly.

3

Tap recipient

・Tap Phonebook , Outgoing History , or Incoming History to select recipient from Address Book, Outgoing History, or Incoming History.
・After setting recipient, Tap ○○○○ to check recipient's phone number.
・To delete recipient, Tap ○○○○ and then ✕○○○○ .
Alternatively, Tap ○○○○ and then Delete recipient .

4

Tap Compose SMS field ➔ Enter text

5

Send

SMS is sent.

・Failed SMS messages are saved as drafts.

Opening & Replying to S! Mail/SMS

Handset receives S! Mail/SMS messages automatically by default. Optionally, retrieve messages manually, and also retrieve all messages stored on the server.

Opening New S! Mail/SMS

When message arrives, new message notice and Notification Indicator appear.

1

Read

S! Mail/SMS message window opens.

・To open new message from Notification Indicator, Drag Status Bar down for Notifications Window, then Tap corresponding notification.
・For two or more new messages, thread list opens.

Spam Mail

Set spam filtering to save messages from senders not in Address Book to Spam mail. New mail notification does not appear. To check messages saved to Spam mail:

In app sheet, (Basic) (Mail)

Spam mail

・If confirmation appears, follow onscreen prompts.

Opening S! Mail/SMS

1

In app sheet, (Basic) (Mail)

Thread list opens.

2

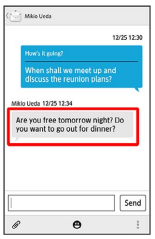
Tap thread

Thread details open.

・To open message drafts or unsent messages, Tap a thread indicated by to open thread details including draft/unsent messages.

3

Tap message



S! Mail/SMS message opens.

Widgets

Add widget to desktop sheet to check message information. Widgets appear in simple (top of Display) and detailed (bottom of Display) views. Check number of unread messages in simple view. Check date/time and preview of messages in addition to number of unread messages in detailed view. Content of latest message appears if all messages are read.

Message Operations

Deleting All Server Mail

In thread list, Handle Server Mail Delete all mails Delete OK

Checking Available Storage on Mail Server

In thread list, Handle Server Mail Check storage space

Protecting Messages

In thread details, Touch & Hold a message

・To cancel protection, Tap again.

Saving Attachments

In S! Mail/SMS message window, Tap for attachment to save ( ) Save

Deleting Threads in Thread List

In thread list, Touch & Hold thread Delete

・To select several threads, Touch & Hold first thread, and then Tap other threads.

Deleting Messages in Thread Details

In thread details, Touch & Hold a message Delete

Reporting Spam in Thread Details

In thread details, Touch & Hold a message Yes

・Only one message can be selected.

Reporting Spam in S! Mail/SMS Message Window

In S! Mail/SMS message window, Declare Spam Yes

Listing Addresses of Sender/Recipients in Thread Details

In thread details, List Address

Listing Addresses of Sender/Recipients in S! Mail/SMS Message Window

In S! Mail/SMS message window,

Replying to S! Mail/SMS

1

In S! Mail/SMS message window, ↩ / ↩↩

2

Enter text ➔ Send

Message is sent.

Creating/Sending Gmail

Use Google's webmail service. Sign in to a Google Account beforehand.

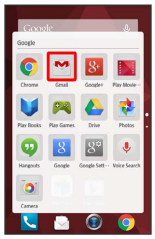
Gmail Caution

Gmail messages are not received if recipient device is set to reject messages sent from PCs.

Creating/Sending Gmail

1

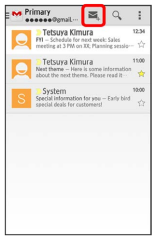
In app sheet, (Google) ➔ (Gmail)



Inbox opens.

・If confirmation appears, follow onscreen prompts.

2



Mail Composition window opens.

3

Enter recipient, subject and text ➔ ➤ on Action Bar

Message is sent.

Gmail Composition Operations

Attaching Files

In Mail Composition window, ☰ ➔ Attach file ➔ Tap application ➔ Select file

・If confirmation appears, follow onscreen prompts.

Attaching Files from Google Drive

In Mail Composition window, ☰ ➔ Insert from Drive ➔ Select file to attach ➔ SELECT

Adding Cc/Bcc Recipients

In Mail Composition window, ☰ ➔ Add Cc/Bcc ➔ Add recipient

Saving without Sending

While creating message, ☰ ➔ Save draft

・Message is saved as a draft.

Discarding Current Message

While creating message, ☰ ➔ Discard ➔ Discard

Opening Received Gmail

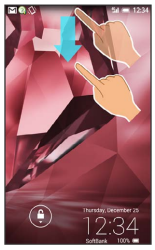
Gmail groups all related messages by subject (Thread View).

Opening New Gmail

Ringtone sounds and ✉ appears for new Gmail.

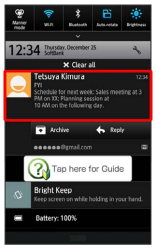
1

Drag Status Bar down for Notifications Window



2

Tap new Gmail notification



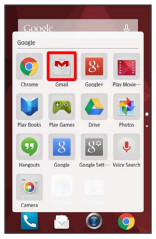
Message window opens.

・For two or more new messages with different subjects, Inbox opens; select one.

Opening Gmail

1

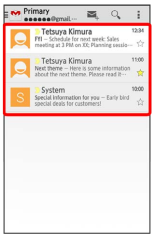
In app sheet, (Google) (Gmail)



Inbox opens.

2

Tap thread



Message window opens.

Operations when Opening Gmail

Replying to Messages

In message window, Create message on Action Bar

Forwarding Messages

In message window, for message to forward Forward Create message on Action Bar

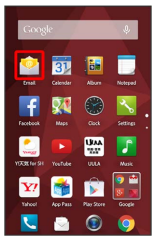
Using Email

Setting an Account

Check username (user ID), password, server name, etc. beforehand for the email account.

1

In app sheet, (Email)



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

2

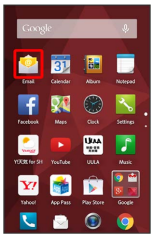
Follow onscreen prompts to set up account

Email setup is complete.

Creating/Sending Email

1

In app sheet, (Email)



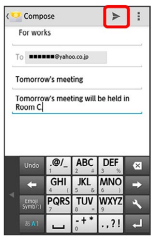
Inbox opens.

2

Mail Composition window opens.

3

Enter recipient, subject and text on Action Bar



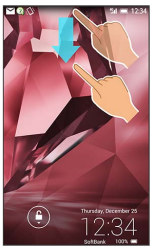
Message is sent.

Opening New Email

Ringtone sounds and appears for new email.

1

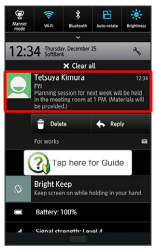
Drag Status Bar down for Notifications Window



Notifications Window appears.

2

Tap new email notification



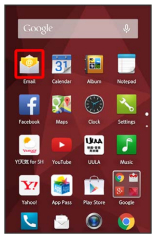
Message window opens.

・For two or more new messages, Inbox opens; select one.

Opening Email

1

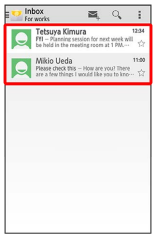
In app sheet, (Email)



Inbox opens.

2

Tap message



Message window opens.

Operations when Opening Email

Resetting Mail as Unread

In email list, Touch & Hold message to be set as unread on Action Bar

Deleting Mail

In email list, Touch & Hold message to delete on Action Bar OK

・If confirmation appears, follow onscreen prompts.

Syncing Accounts Manually

In email list, on Action Bar Tap the account to be synced Refresh

・Sync sent and received email messages manually at any time regardless of the automatic sync settings.

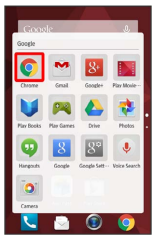
Using Chrome

Enter search terms or URLs for easy Internet access.

Using Chrome

1

In app sheet, (Google) (Chrome)



Chrome activates.

・If confirmation appears, follow onscreen prompts.
・Flick to scroll.

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.).

Chrome Operations

Signing in to My SoftBank

Access My SoftBank to check service charges or reward points, change contract details (subscribed price plan, optional services, etc.), check handset email address, use anti-spam settings, etc.

In Chrome, Bookmarks My Softbank Follow onscreen prompts

Searching for Information

In Chrome, Tap text entry field at top of Display Enter search text or URL Go or a search suggestion Tap link

Searching within Current Webpage

In Chrome, Find in page Enter search text

Search results are highlighted.

Saving (Downloading) Images

In Chrome, Touch & Hold image ➔ Save image

・Open saved (downloaded) image from Photo in Contents Manager, etc.

Opening Saved (Downloaded) Image, Etc.

In app sheet, (Tools) ➔ (Downloads) ➔ Tap image, etc.

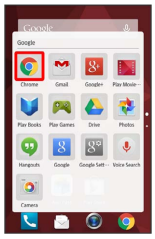
SSL/TLS Caution

When opening a secured page, users must decide as their responsibility whether or not to open the page with use of SSL/TLS. SoftBank Mobile Corp. and the Certification Authorities Symantec Website Security G.K. and Cybertrust make no guarantees whatsoever to users regarding security of SSL/TLS.

Adding Bookmarks

1

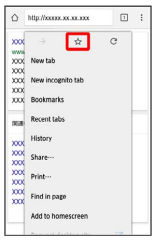
In app sheet, (Google) ➔ (Chrome)



Chrome activates.

2

Open target webpage ➔ ☰ ➔ ☆



Add bookmark window opens.

3

Check/edit Name, URL, etc. ➔ Save

Current webpage is saved as a bookmark.

Bookmark Operations

Editing Bookmarks

In Chrome, ☰ ➔ Bookmarks ➔ Touch & Hold bookmark ➔ Edit bookmark ➔ Edit ➔ Save

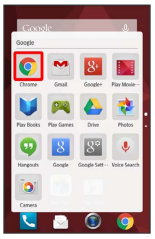
Deleting Bookmarks

In Chrome, ☰ ➔ Bookmarks ➔ Touch & Hold bookmark ➔ Delete bookmark

Opening Bookmarks

1

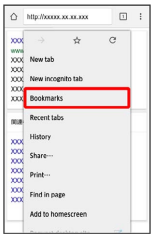
In app sheet, (Google) (Chrome)



Chrome activates.

2

Bookmarks



Bookmark window opens.

3

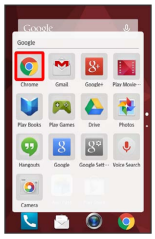
Tap bookmark

Corresponding webpage opens.

Checking Browsing History

1

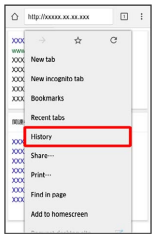
In app sheet, (Google) (Chrome)



Chrome activates.

2

History



History window opens.

3

Tap record

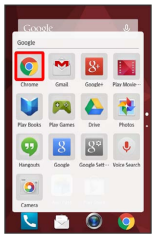
Corresponding webpage opens.

Opening New Tabs

Open multiple webpages in different tabs to switch between them easily.

1

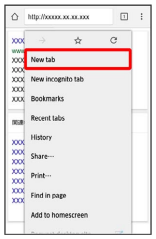
In app sheet, (Google) (Chrome)



Chrome activates.

2

New tab



Another tab opens.

・Alternatively, Tap 1 and then +. The number in 1 changes depending on the number of open tabs.

Tab Operations

Switching Tabs

In Chrome, 2 Tap tab

・The number in 2 changes depending on number of open tabs.

Closing Tabs

In Chrome, 2 Tap ✕ of tab to close

・The number in 2 changes depending on number of open tabs.

Viewing Webpages without Leaving Browsing History, Cookies, Etc.

In Chrome, New incognito tab

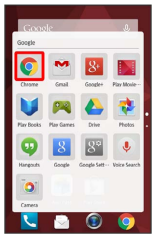
Setting Chrome

Make Chrome settings. Settable items are the following.

Item	Description
Sign in to Chrome	Sign in to your Google account and make settings for tabs, bookmarks, history, etc. View account information.
Search engine	Select a search engine.
Autofill forms	Enable or disable automatic form entry, edit profiles, etc.
Save passwords	Enable or disable the saving of user names and passwords by webpages, confirm/delete webpages that have stored passwords, etc.
Home page	Set a homepage.
Privacy	Set whether a hint is displayed for an access error, whether usage and error reports are sent, etc.
Accessibility	Set text size, etc.
Content settings	Set whether to allow cookies, enable JavaScript, etc.
Bandwidth management	Set the method for reading webpages, whether to economize data usage, etc.
About Chrome	View version information etc. about Chrome.

1

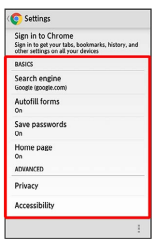
In app sheet, (Google) (Chrome)



Chrome activates.

2

Settings Set items



Settings are made.

Deleting Cache and Cookies

In Chrome, ☰ → Settings → Privacy → CLEAR BROWSING DATA → Select items → Clear

・Tap an item to toggle on (☑)/off (☐).

Camera

Capturing Photos.....88
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Capturing Photos

Camera Cautions

General Use

Mind etiquette when using Camera.

Keep Lens Clean

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

Avoid Direct Sunlight Exposure

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

Mobile Light Warning

Do not turn on Mobile Light close to eyes, look directly at Mobile Light when on, or shine Mobile Light in eyes; may affect eyesight or cause other problems.

Capturing Photos

Capture JPEG images.

- Handset saves photos it captures to handset memory by default.
- To capture photos with a blurred background quickly, capture close-ups with Macro set.

1

In app sheet, (Basic) (SH Camera)

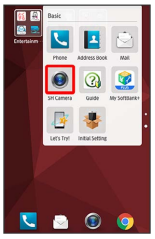


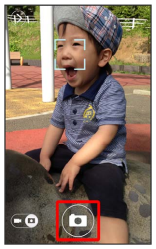
Photo Viewfinder opens.

2

Aim External Camera at subject

- For people, focus automatically locks on detected face.

3

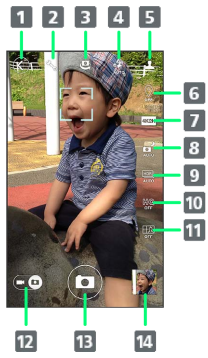


Shutter sound plays; photo is saved to handset memory.

- Alternatively, Press Volume Up/Down Key to capture photo.

Photo Viewfinder Layout

Layout and functions of main indicators are as follows. If icons such as are not shown, Tap in Photo Viewfinder.



1 View switch: Simple mode/Detailed mode
2 Settings: Access various Camera settings
3 Camera switch: Internal/External Camera
4 Mobile Light: Settings switch
5 Mode button: Change to settings optimal for the subject and shooting conditions
6 GPS: Set whether to add location information
7 Size: Change the picture size
8 NightCatch: Capture dark scenes more brightly
9 HDR: Reduce whited-out or blacked-out scenes in backlit or other high-contrast conditions
10 High Quality (HQ): Reduce camera shake for lower-noise, high-quality photos
11 Framing advisor: Show a grid or guide for composing a shot according to the scene
12 Camera/Video Camera switch: Tap to capture video
13 Shutter: Touch & Hold for continuous shooting[1]
14 Mini-preview[2]: Shortcut to Album, or preview of immediately captured photo; check, send, or delete shown photo

1 Not available when High Quality or NightCatch are on.
2 In Simple mode, no longer appears after a period of inactivity.

Photo Viewfinder Operations

Adjusting Brightness

Drag up/down for Brightness Scale

Adjusting Zoom

Drag left/right or Pinch/Spread for Zoom Slider

Locking Focus

Tap subject for focus lock

・To release shutter, Tap the subject again.
・External Camera uses color to track subjects; may not correctly track faintly colored subjects or ones similar to background color.

Opening Captured Photo

Tap preview thumbnail

(Album) opens and file view window appears.
・Use Album functions to save captured photos as Wallpaper, edit photos, or send photos. See "Viewing & Managing Photos/Videos (Album)" for details.

Using Internal Camera

Use Internal Camera to capture self or others with Lens on Display side.

→

・Tap to toggle Internal/External Camera.
・Some functions/settings are not available for Internal Camera.
・If confirmation appears, follow onscreen prompts.
・Holding handset upside-down may produce better results.

Using FrontCam Wide

Take panoramic photographs with Internal Camera.

→ → → → Aim Internal Camera at subject →
→ Pan handset to the right and align with

After five shots, capture is completed.
・If confirmation appears, follow onscreen prompts.
・Holding handset upside-down may produce better results.

Troubleshooting

Q. Cannot open Camera/Camera exits suddenly

A. Camera does not open if battery level is low. Charge Battery first.

A. Continuing to use Camera while handset is warm causes warning to appear, after which Camera saves captured image data and exits.

A. Camera exits automatically after a period of inactivity.

Q. Images are dark/grainy

A. Is there a strong light near the subject, or a strong light source in the screen? Avoid letting a strong light source (the sun, light, etc.) in the screen. Leaving handset in a warm place for a long time or where Camera is in direct sunlight for a long time may affect image quality.

Q. Cannot focus

A. Fingerprints, etc. on lens cover prevent Camera from focusing. Wipe clean with a dry, soft cloth.

Q. Images captured with Mobile Light appear whitish

A. A finger or cover near the lens can reflect light from Mobile Light and cause captured images to appear whitish.

Recording Videos

Camera Cautions

General Use

Mind etiquette when using Camera.

Keep Lens Clean

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

Avoid Direct Sunlight Exposure

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

Continuous Recording Time

Recording capacity is 2 GB per file (recording stops when exceeded). To continue recording, start another session.

Mobile Light Warning

Do not turn on Mobile Light close to eyes, look directly at Mobile Light when on, or shine Mobile Light in eyes; may affect eyesight or cause other problems.

Recording Videos

Record H.264/AAC videos.

・Handset saves videos it captures to handset memory by default.

1

In app sheet, (Basic) (SH Camera)

Photo Viewfinder opens.

2

Video Viewfinder opens.

・If confirmation appears, follow onscreen prompts.

3

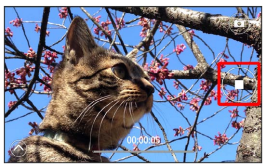
Aim External Camera at subject (recording starts)

Tone sounds and recording starts.

・Alternatively, Press Volume Up/Down Key to start recording.

4

(recording stops)

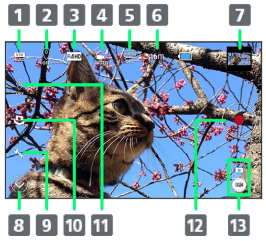


Tone sounds and recording stops; video is saved to handset memory.

・Alternatively, Press Volume Up/Down Key to stop recording.

Video Viewfinder Layout

Layout and functions of main indicators are as follows.
If icons such as are not shown, Tap in Video Viewfinder.



1. Mode button: Change to settings optimal for the subject and shooting conditions
2. GPS: Set whether to add location information
3. Size: Change the picture size
4. NightCatch: Capture dark scenes more brightly
5. HDR: Reduce whited-out or blacked-out scenes in backlit or other high-contrast conditions
6. Shooting time left: Time available with current settings
7. Mini-preview[1]: Shortcut to Album, or preview of immediately captured video; check, send, or delete shown video
8. View switch: Simple mode/Detailed mode
9. Settings: Access various Camera settings
10. Camera switch: Internal/External Camera
11. Mobile Light: Settings switch
12. Start recording
13. Video Camera/Camera switch: Tap to capture photos

1 In Simple mode, no longer appears after a period of inactivity.

Video Viewfinder Operations

Adjusting Brightness

Drag up/down for Brightness Scale

Adjusting Zoom

Drag left/right or Pinch/Spread for Zoom Slider

Opening Recorded Video

Tap preview thumbnail

(Album) opens and file view window appears.

・Use Album functions to play captured videos, send videos, or delete videos. See "Viewing & Managing Photos/Videos (Album)" for details.

Using Internal Camera

Use Internal Camera to record self or others with Lens on Display side.

・Tap to toggle Internal/External Camera.
・Some functions/settings are not available for Internal Camera.

Troubleshooting

Q. Cannot open Video Camera/Video Camera exits suddenly

A. Video Camera does not open if battery level is low. Charge Battery first.

A. Continuing to use Video Camera while handset is warm causes warning to appear, after which Video Camera saves captured video data and exits.

A. Video Camera exits automatically after a period of inactivity.

Q. Image is dark/grainy

A. Is there a strong light near the subject, or a strong light source in the screen? Avoid letting a strong light source (the sun, light, etc.) in the screen. Leaving handset in a warm place for a long time or where Camera is in direct sunlight for a long time may affect image quality.

Q. Cannot focus

A. Fingerprints, etc. on lens cover prevent Camera from focusing. Wipe clean with a dry, soft cloth.

Q. Image captured with Mobile Light appear whitish

A. A finger or cover near the lens can reflect light from Mobile Light and cause captured image to appear whitish.

Music & Images

Music Files (Music)..... 94
Viewing & Managing Photos/Videos (Album).....95

Music Files (Music)

Playing Back High-Resolution Content

Handset supports playback of high-resolution 96 kHz/24 bit and 192 kHz/24 bit (FLAC/WAVE) content. To play back high-resolution content, use (Music).

- The content can only be played when a commercially available earphone set supporting high-resolution audio is connected.
- When using handset Speaker, content is played back at standard quality (48 kHz/16 bit).
- When using Bluetooth® devices, 192 kHz/24 bit content cannot be played back; 96 kHz/24 bit content is played back at standard quality (48 kHz/16 bit).
- The effect of harman/kardon audio is disabled during playback. For details on harman/kardon audio, see "harman/kardon audio Settings."
- Activating Camera pauses playback.

Playing Music Files

The following file formats are supported.

- 3GPP, 3GPP2, MP4, MP3, AMR, WMA (except WMDRM content), ASF (except WMDRM content), OGG Vorbis, WAVE, MIDI, XMF, RTTTL/RTX, OTA, iMelody, ADTS raw AAC, FLAC

1

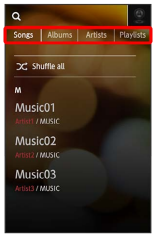
In app sheet, (Music)

Library opens.

- appears for the last-played song in song list.

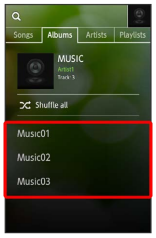
2

Songs / Albums / Artists / Playlists



3

Tap item Tap song



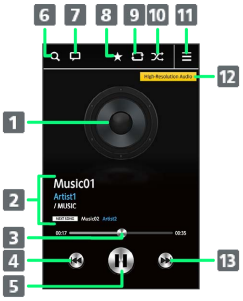
Song plays.

- In Songs , Tap song directly.
- Depending on category, after Tapping an item, Tap another item (e.g., album name).

Changing Playback Volume

While song plays, Volume Up/Down Key

Music Player Layout



1 Song image
2 Song title, artist, album, next title information
3 Drag slider to adjust playback position
4 Play previous song or current song from beginning
5 Pause/play
6 Search for song
7 Link with other application
8 Set as favorite
9 Toggle repeat all songs, repeat current song, repeat off
10 Toggle shuffle playback on/off
11 Show song list
12 High-resolution audio is being played
13 Play next song

Viewing & Managing Photos/ Videos (Album)

Photos/videos captured on handset and downloaded images are sorted into PORTRAIT, EVENT and MAP tabs.

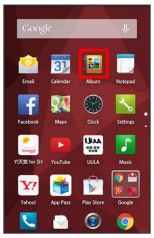
Viewing Photos/Videos

View photos and videos saved to handset memory and SD Card. The following formats are supported.

Image	File format
Photo	JPEG, PNG, GIF, BMP, WBMP, WebP
Video	3GPP, 3GPP2, MP4, WMV (WMDRM not supported), ASF (WMDRM not supported), WebM, Matroska, MPEG2-TS

1

In app sheet, (Album)

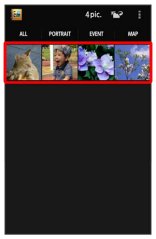


File list opens.

- Tap ALL, PORTRAIT, EVENT or MAP to open files by category.
- Flick left/right in file list or folder list to toggle categories.
- When activating Album for the first time, ALL file list appears. Album activates in the last-used state thereafter (file list or folder list appears).
- Flick up/down for hidden files.
- If confirmation appears, follow onscreen prompts.

2

Tap photo/video



Photo/video opens (file view window).

- For video playback, Tap ▶, then follow onscreen prompts.
- appears for photos captured with continuous shooting: Tap photo, then Tap in file view window, to open photos as index at bottom (continuous shooting photo index window).
- appears for photos using DeFocus mode: Tap photo → → Drag bar right/left to adjust intensity of defocusing effect.
- appears for photos using Photo Sphere mode: Tap photo, then Tap in file view window, to view photo rotatable 360 degrees from right to left, and top to bottom.

Photo/Video Viewing Operations

Using Slideshow

In file list, → Slideshow

- To stop slideshow, Tap image.

Saving Images

In file list or file view window, → Register image

- Follow onscreen prompts.

Deleting Images

In file view window, on Action Bar → Yes

- If Action Bar and Navigation Bar are hidden, Tap Display first.

Zooming In/Out on Photos/Videos

In file view window, Tap image twice or Pinch/Spread

Switching Views in File List

In file list, folder list, or file view window, → Settings → Thumbnail view → Multi-tile view / Grid view / Grid (large) view

Setting Whether to Show Images More Clearly when Display is Bright

In file list, folder list, or file view window, ☰ ➔ Settings ➔ Sharpness

・Tap Sharpness to toggle on (☑)/off (☐).

Selecting a Range of Images from Continuous Shooting

In continuous shooting photo index window, ☰ ➔ Clip range ➔ Drag ◥ / ◢ right and left to select the desired range of images ➔ ☑ ➔ Yes

🏁 Photos that have not been selected are deleted.

Selecting Desired Images from Continuous Shooting

Tap desired images in continuous shooting photo index window to add to Favorites ➔ ★ (★)

・In continuous shooting photo index window, ☰ ➔ Tap Display only marked images to display only photos set as favorites.

Selecting and Deleting Images from Continuous Shooting

In continuous shooting photo index window, ☰ ➔ Delete selection ➔ Tap photos(✓) ➔ 🗑 (Delete) ➔ Yes

Selecting and Saving Images from Continuous Shooting

In continuous shooting photo index window, Tap photos ➔ ☰ ➔ Register image

・Follow onscreen prompts.

Switching continuous shooting photo index window Views

In continuous shooting photo index window, ☰ ➔ Switch to grid view / Switch to preview

? Troubleshooting

Q. Cannot open photos or videos

A. The database may be disabled. Connect handset to a PC using Micro USB Cable, and delete the DATABASE folder in ¥PRIVATE¥SHARP¥PM on handset memory before opening photos or videos.

Connectivity

Wi-Fi.....98
Tethering Option.....101
Bluetooth®.....101

Wi-Fi

Use household Wi-Fi networks, etc. to connect to the Internet. Users of Wi-Fi routers by FON should refer to the "Fonルーターかんたん設定ガイド (http://mb.softbank.jp/mb/special/network/pdf/wifi_howto_01.pdf) (Fon Router Easy Settings Guide)" (Japanese).

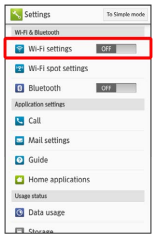
Automatic Updates for Optimizing Wi-Fi Connection

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

Enabling Wi-Fi

1

In app sheet, (Settings) Wi-Fi settings



Wi-Fi settings opens.

2

OFF on Action Bar

Wi-Fi is enabled (ON).

・Access point search starts; available access points appear upon completion.

・Tap ON to disable Wi-Fi (OFF).

Wi-Fi Operations

Enabling/Disabling Available Network Notifications

In Wi-Fi settings, Advanced Network notification

・Available when Wi-Fi settings is enabled.

・Tap Network notification to toggle on (☑)/off (☐).

Selecting a Wi-Fi Sleep Option

In Wi-Fi settings, Advanced Wi-Fi sleep policy Tap option

Enabling/Disabling Continuous Scanning

In Wi-Fi settings, Advanced Scanning always available

・Tap Scanning always available to toggle on (☑)/off (☐).

Enabling/Disabling Wi-Fi Settings for Poor Connections

In Wi-Fi settings, Advanced Avoid poor connections

・Tap Avoid poor connections to toggle on (☑)/off (☐).

Setting Wi-Fi Bandwidth

In Wi-Fi settings, Advanced Wi-Fi frequency band Auto / 5 GHz only / 2.4 GHz only

Setting Whether to Switch Automatically between Mobile and Wi-Fi Networks when Transmission Speeds Slow

In Wi-Fi settings, Advanced Comfort Wi-Fi setting Comfort Wi-Fi mode setting Smooth change mode / Not set

・Tap ? to display help for Smooth change.

Configuring Settings for Comfort Wi-Fi

In Wi-Fi settings, Advanced Comfort Wi-Fi setting Advanced settings Target access points / Target applications / Not target server Follow onscreen prompts

・Available when Smooth change mode is enabled.

Installing Certificates

In Wi-Fi settings, Advanced Install certificates Follow onscreen prompts

Setting Whether to Conserve Battery when Wi-Fi On

In Wi-Fi settings, Advanced Wi-Fi optimization

・Tap Wi-Fi optimization to toggle on(☑)/off (☐)

Checking MAC Address

In Wi-Fi settings, ☰ ➔ Advanced

・MAC address is shown under "MAC address."

Checking IP Address

In Wi-Fi settings, ☰ ➔ Advanced

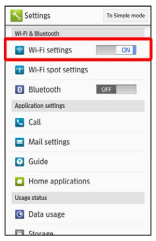
・IP address is shown under "IP address."

Connecting Selected Access Points

Enable handset Wi-Fi first.

1

In app sheet, (Settings) ➔ Wi-Fi settings



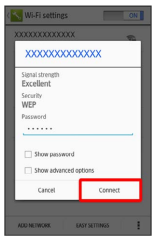
Wi-Fi settings opens.

2

Tap access point

3

Enter password ➔ Connect



Handset connects to the access point.

・Password (indicated by WEP, WPA, KEY, etc.) may be found on a label on your Wi-Fi router. For details, contact the vendor of the router. For public wireless LAN services, check the password with your ISP.
・Omit password entry for unprotected access points.

Wi-Fi Operations

Connecting Access Points Manually

In Wi-Fi settings, ADD NETWORK ➔ Enter Network SSID ➔ Done ➔ Tap Security field ➔ Tap security protocol ➔ Save

・Available when Wi-Fi settings is enabled.
・Depending on security protocol, other fields may also need to be completed.

Connecting Using AOSS

In Wi-Fi settings, EASY SETTINGS ➔ AOSS ➔ Follow onscreen prompts

Connecting Using WPS

In Wi-Fi settings, EASY SETTINGS ➔ WPS Push Button ➔ Follow onscreen prompts

・Available when Wi-Fi settings is enabled.

・To connect using the PIN method, Tap EASY SETTINGS in Wi-Fi settings, Tap WPS Pin Entry, then follow onscreen prompts.

Troubleshooting

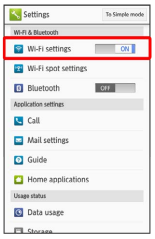
Q. Cannot detect access points

A. There may be multiple access points using neighboring channels. In this instance, handset may not detect access points correctly.

Disconnecting Wi-Fi

1

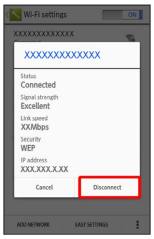
In app sheet, (Settings) ➔ Wi-Fi settings



Wi-Fi settings opens.

2

Tap connected access point ➔ Disconnect



Wi-Fi is disconnected.

・Password entry may be required to reconnect to access point.

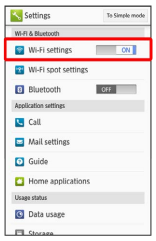
Using Wi-Fi Direct

Use Wi-Fi Direct to establish a Wi-Fi connection with other Wi-Fi Direct compatible devices with no need for an access point or Internet connection.

・Enable handset Wi-Fi first.

1

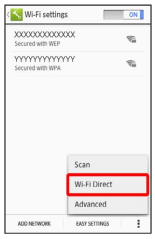
In app sheet, (Settings) ➔ Wi-Fi settings



Wi-Fi settings opens.

2

☰ ➔ Wi-Fi Direct



Found Wi-Fi Direct compatible devices appear in Peer devices field.

・If target device does not appear, Tap SEARCH FOR DEVICES to try searching again.

3

Tap target device ➔ Follow onscreen prompts for authentication

Handset connects to the device.

・A connection request will be canceled if not accepted within a certain period of time.

・To disconnect devices, Tap one then Tap OK.

Tethering Option

About Tethering Option

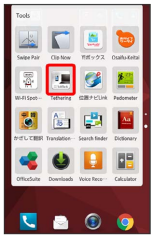
Use handset like a Wi-Fi router to connect to the Internet from a PC or game device.

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

Starting Up Tethering Option

1

In app sheet, (Tools) (Tethering)



Tethering Option window opens.

・When Terms of Agreement appear, follow onscreen prompts.

Bluetooth®

Connect handset to other Bluetooth® devices for wireless connectivity. Connect to a Bluetooth® -capable mobile phone, etc. to transfer data.

Troubleshooting

Q. Cannot use Bluetooth®

A. Airplane mode may be active. Activating Airplane mode disables Bluetooth®. (Bluetooth® can be enabled again while Airplane mode is active.)

Bluetooth® Usage Cautions

Connection

Bluetooth® connection may not be possible with some Bluetooth® devices. Noise may interfere with wireless or handsfree conversations.

File Transfer

Files may not appear correctly on recipient devices.

Bluetooth® Functions

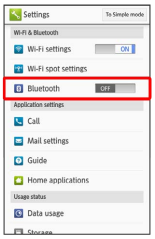
The Bluetooth® function is a technology that enables wireless connection with PCs, Bluetooth® devices with handsfree functionality, etc. such as the following.

Function	Description
Sound output	Listen to music, audio, etc. wirelessly.
Handsfree conversation	Use Bluetooth® devices (e.g., headsets) for handsfree conversations.
File transfer	Transfer files between handset and Bluetooth® devices.

Enabling Bluetooth®

1

In app sheet, (Settings) Bluetooth



Bluetooth® menu opens.

2

OFF on Action Bar

Bluetooth® is enabled (ON).

・Tap ON to disable Bluetooth® (OFF).

Bluetooth® Connection Operations

Setting Whether to Allow Other Devices to Detect Handset

In Bluetooth® menu, Tap handset name (default: 402SH)

・Description below handset name changes to Visible to all nearby Bluetooth devices, and handset will be discoverable from other Bluetooth® devices for a period of time set in Visibility timeout .

・After a period of time set in Visibility timeout , handset returns to non-discoverable state automatically and will be hidden from unpaired devices.

Renaming Handset Name that Appears on Other Devices

In Bluetooth® menu, Rename phone Enter name Rename

・Renaming may not be possible if a pictogram is used.

Changing Timeout Duration

In Bluetooth® menu, Visibility timeout Tap option

・For Never time out , handset does not return to non-discoverable state automatically.

Setting Whether to Give Priority to aptX®

In Bluetooth® menu, aptX aptX OK

・Tap aptX to toggle on ( )/off ( ).

・Changes are applied to devices connected after setting changes are made. Disconnect and reconnect handset to devices to apply changes.

Setting Whether to Always Use Handsfree Device or Operated Device for Calls

In Bluetooth® menu, Handsfree setting

・Tap Handsfree setting to toggle on ( )/off ( ).

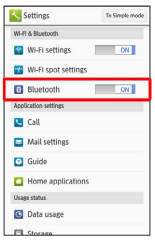
Pairing with Other Bluetooth® Devices

Pair nearby Bluetooth® devices with handset to transfer files, for handsfree conversations, or to listen to music.

・Enable Bluetooth® on handset and set target devices to be discoverable first.

1

In app sheet, (Settings) Bluetooth



Bluetooth® menu appears; found Bluetooth® devices appear in Available devices field.

・If target device does not appear, Tap SEARCH FOR DEVICES to try searching again.

2

Tap target device Follow onscreen prompts for authentication

Pairing completes; handset connects to some devices (e.g., handsfree devices) automatically.

・Authentication procedure varies by device. Passkey entry may be required.
・Passkey is a 1 to 16-digit alphanumeric code required for authentication between handset and other devices.
・Paired devices appear in Paired devices field.

Pairing Operations

Renaming Paired Devices

In Bluetooth® menu, for target device Rename Enter name OK

・Renaming may not be possible if a pictogram is used.

Connecting to Bluetooth® Devices by Service

In Bluetooth® menu, for target device Tap item

・Available when handset is paired with compatible devices.

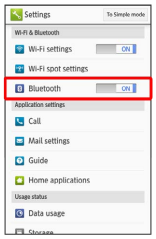
Unpairing Devices

In Bluetooth® menu, for target device Unpair

Connecting Paired Bluetooth® Devices

1

In app sheet, (Settings) Bluetooth



Bluetooth® menu opens.

・Paired Bluetooth® devices appear in Paired devices field.

2

Tap target device

Handset connects to the device.

Accepting Connection Requests

Handset automatically accepts connection requests from paired devices. For unpaired devices, set handset to be discoverable first; when connection request arrives, follow onscreen prompts.
・If confirmation appears, follow onscreen prompts.

Disconnecting Devices (e.g., Handsfree Devices)

In Bluetooth® menu, Tap connected device OK

Sending Files (e.g., Address Book)

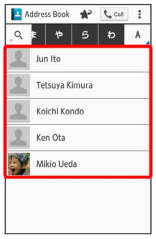
1

In app sheet, (Basic) (Address Book)

Address Book opens.

2

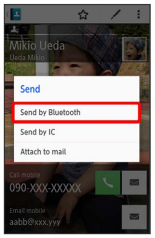
Tap tab Tap contact



Contact opens.

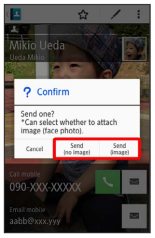
3

Send Send by Bluetooth



4

Send (no image) or Send (image) (Yes when face image/photo is not saved)



5

Tap target device

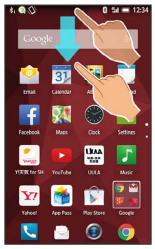
File is sent.

Receiving Files (e.g., Address Book)

When file reception request arrives, appears. To receive files:

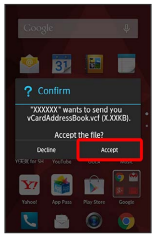
1

Drag Status Bar down for Notifications Window



2

Tap Bluetooth® share notification Accept

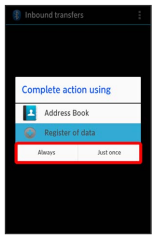


3

After file reception, Drag Status Bar down for Notifications Window

4

Tap Bluetooth® share notification Tap file Register of data Always / Just once



File content is saved.

・If confirmation appears, follow onscreen prompts.

Opening Files Received by Bluetooth® Transfer

In Bluetooth® menu, Show received files Tap file

・Follow onscreen prompts.

Global Services

Global Roaming..... 106
Calling from Outside Japan.....107

Global Roaming

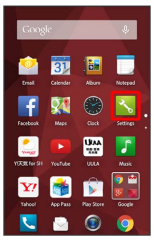
Handset is Global Roaming Service eligible. Use the same handset number outside Japan.

Setting a Cellular Provider

Handset connects to an appropriate cellular provider automatically by default. To set a cellular provider manually:

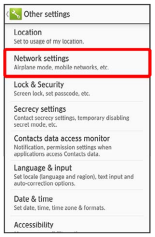
1

In app sheet, (Settings)



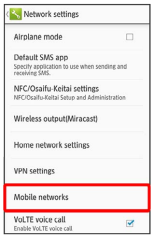
2

Other settings ➔ Network settings



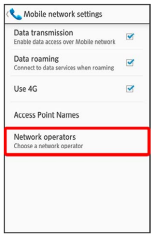
3

Mobile networks



4

Network operators



5

Tap provider

Cellular provider is set.

- To set an appropriate cellular provider automatically, Tap Choose automatically .
- To search for all available cellular providers, Tap Search networks .

Calling from Outside Japan

See SoftBank Mobile Website for details:
http://mb.softbank.jp/en/global_services/
Access roaming area/rate information or print it out to carry while traveling abroad.

Enabling/Disabling Abroad Assistant

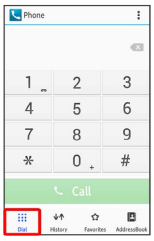
In app sheet, (Settings) ➔ Call ➔ Int'l call settings ➔ Abroad assistant

・Tap Abroad assistant to toggle Enable (☑) and Disable (☐).

Calling Japan

1

In app sheet, (Basic) ➔ (Phone) ➔ Dial



Call Window opens.

・When missed call window appears, Tap . If Feel UX Home returns, perform 1 again.

2

Use onscreen dialpad to enter number ➔ Call

Roaming assistant appears.

・Do not add + before the number.

3

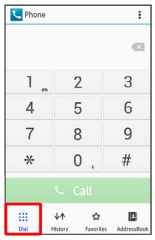
Japan number

Handset dials the number.

Calling Landlines & Mobiles within Current Country

1

In app sheet, (Basic) ➔ (Phone) ➔ Dial



Call Window opens.

・When missed call window appears, Tap . If Feel UX Home returns, perform 1 again.

2

Use onscreen dialpad to enter number ➔ Call

Roaming assistant appears.

・Do not add + before the number.

3

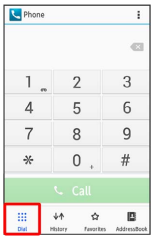
Stay country number

Handset dials the number.

Calling Countries aside from Japan

1

In app sheet, (Basic) ➔ (Phone) ➔ Dial



Call Window opens.

・When missed call window appears, Tap . If Feel UX Home returns, perform **1** again.

2

Use onscreen dialpad to enter number ➔ Call

Roaming assistant appears.

・Do not add + before the number.

3

Other country number

Country code list opens.

4

Tap country code

Handset dials the number.

・When calling SoftBank handsets, always Tap 日本(JPN) .

Country Code List Operations

Changing Country Codes

In app sheet, (Settings) ➔ Call ➔ Int'l call settings ➔ User list ➔ Tap country/area ➔ Change by list ➔ Tap country/area ➔ Register

・Tap Entry direct to enter country name and code directly.

Deleting Country Codes

In app sheet, (Settings) ➔ Call ➔ Int'l call settings ➔ User list ➔ Tap country/area ➔ Delete from list

Handset Settings

About Settings..... 110
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harman/kardon audio Settings..... 111
Sound Settings..... 112
Wallpaper & Display Settings..... 114
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Mail Settings..... 129
Guide Settings..... 132
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About Settings

About Settings

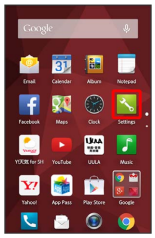
In app sheet, Tap (Settings) to customize the following settings.

・To access basic setting items only, Tap To Simple mode Yes.

Item	Description
Profile	Check handset number, email address, etc.
harman/ kardon audio	Set sound effect, etc. when connecting an earphone or connected via Bluetooth®.
Sound	Set Manner mode, ringtone, confirmation tones, etc.
Wallpaper & display	Set Wallpaper, Display brightness, etc.
Energy saving	Adjust corresponding settings together at once to save battery power, or check battery status.
Useful	Set Usefuls such as emopa, Clip Now, and Grip Sensor.
Device info	Check handset status.
Add account	Create/add accounts; sync them as needed.
Wi-Fi settings	Enable Wi-Fi connection. See "Enabling Wi-Fi" for details.
Wi-Fi spot settings	Make SoftBank Wi-Fi spot settings.
Bluetooth	Enable Bluetooth®. See "Enabling Bluetooth®" for details.
Call	Set call options.
Mail settings	Set Mail options.
Guide	Show/hide Guide indicator.
Home applications	Switch Home application.
Data usage	Check data usage and set limit.
Storage	Check handset/SD Card memory status, mount SD Card and erase SD Card files.
Application	Check installed applications and running applications.
Data transfer	Import files from other mobiles using SD Card or Bluetooth®, or back up handset files to SD Card.
Other settings	Set operation of other functions.

1

In app sheet, (Settings)



Settings opens.

2

Set each item

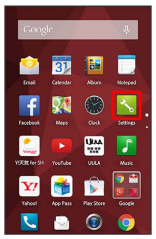
Setting is complete.

Profile Settings

Profile Settings

1

In app sheet, (Settings)



2

Profile

Handset phone number can be viewed (Profile window).

Profile Operations

Edit Profile

In Profile window, on Action Bar Edit information Save Yes

・To show/add entry fields, Tap +, and to delete, ×.

Send Profile

In Profile window, Send Tap send method Yes Application launches

Set Items when Sending Data

In Profile window, Send Send profile info setting Tap items to send (☑) Save Yes

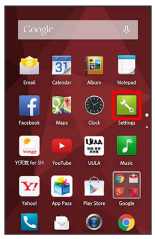
・To select (☑)/unselect (☐) all items together, Tap ☑/☑ on Action Bar.

harman/kardon audio Settings

harman/kardon audio Settings

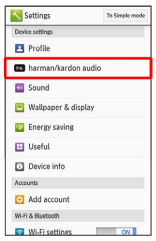
1

In app sheet, (Settings)



2

harman/kardon audio

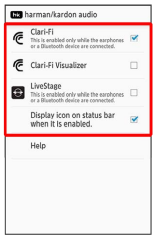


harman/kardon audio window opens.

・If confirmation appears, follow onscreen prompts.

3

Clari-Fi / Clari-Fi Visualizer / LiveStage / Display icon on status bar when it is enabled.



Setting is complete.

・Tap Clari-Fi / Clari-Fi Visualizer / LiveStage / Display icon on status bar when it is enabled. to toggle on (☑)/off (☐).

・Enable Clari-Fi Visualizer to view Clari-Fi Visualizer.

Viewing Help

In harman/kardon audio window, Help

Sound Settings

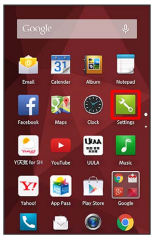
Sound Settings

Set Manner mode as well as make settings for ringtone, operation tones, etc. Settable items are the following.

Item	Description
Mode settings	Set Manner mode.
Volume	Adjust for Phone ringtone, Alarm, emopa, etc.
For Incoming call	Set ringtone and other options for incoming calls.
For new message	Set ringtone and other options for incoming messages.
For notification	Set sound and other options for notifications.
Alarm	Set Alarm operation, volume, etc.
Timer	Set sound and other options for Timer.
Haptic feedback	Enable Vibration when Tapping dialpad, etc.
Audible touch tones	Enable confirmation tones when Tapping a menu.
Dial pad touch tones	Enable/disable dialpad tones.
Screen lock sounds	Enable tone when locking/unlocking Touchscreen.

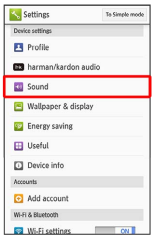
1

In app sheet, (Settings)



2

Sound



Sound menu opens.

3

Set each item

Setting is complete.

Sound Operations

Set Manner Mode

In Sound menu, Mode settings → Tap option

・Camera shutter sound, video recording tones, music, video/game sounds, etc. still play even in Manner mode.

Set Volume for Music, Movies, Games, Incoming Call/Mail Notification, Alarm, etc.

In Sound menu, Volume → Drag each slider to adjust Volume → OK

・Sound plays at set Volume when releasing finger.

Set Ringtone for Incoming Calls

In Sound menu, For Incoming call → Melody → Tap option (Media Storage , Sound/Ringtone , etc.) → Always / Just once → Tap tone/file → OK

・Sound plays when Tapping a tone/file.

Enable/Disable Vibration for Incoming Calls

In Sound menu, For Incoming call → Vibration → ON / OFF

Set Vibration Pattern for Incoming Calls

In Sound menu, For Incoming call → Vibrator pattern → Tap pattern → OK

・Handset vibrates when Tapping a pattern.

Set Notification Lamp Illumination for Incoming Calls

In Sound menu, For Incoming call → Blinking pattern / Blinking color → Tap item → OK

・Notification Lamp flashes when Tapping an item.

Set Ringtone and Other Options for Incoming Messages

In Sound menu, For new message → Set each item

・Ringtone duration can be set in For notification .

Set Ringtone for Notifications

In Sound menu, For notification → Notification sounds → Tap option (Media Storage , Sound/Ringtone , etc.) → Always / Just once → Tap tone/file → OK

・Sound plays when Tapping a tone/file.

Enable/Disable Notification Lamp for Notifications

In Sound menu, For notification → Pulse notification light

・Tap Pulse notification light to toggle on (☑)/off (☐).
・Disable Pulse notification light to save battery power.

Set Ringtone Duration for Notifications

In Sound menu, For notification → Ring duration → Ring time setting → Select time → OK

・For Ring single song , selected tone/file plays to the end.

Alarm Settings

In Sound menu, Alarm → Follow onscreen prompts

Timer Settings

In Sound menu, Timer → Follow onscreen prompts

Enable Vibration when Tapping Dialpad, Etc.

In Sound menu, Haptic feedback

・Tap Haptic feedback to toggle on (☑)/off (☐).
・Disable Haptic feedback to save battery power.

Enable Confirmation Tones when Tapping a Menu

In Sound menu, Audible touch tones

・Tap Audible touch tones to toggle on (☑)/off (☐).
・Disable Audible touch tones to save battery power.

Enable/Disable Dialpad Tones

In Sound menu, Dial pad touch tones

・Tap Dial pad touch tones to toggle on (☑)/off (☐).
・Disable Dial pad touch tones to save battery power.

Enable Tone when Locking/Unlocking Touchscreen

In Sound menu, Screen lock sounds

・Tap Screen lock sounds to toggle on (☑)/off (☐).
・Disable Screen lock sounds to save battery power.

Wallpaper & Display Settings

Wallpaper & Display Settings

Set Wallpaper and Display brightness. Settable items are the following.

Item	Description
Wallpaper	Set Wallpaper for home screen.
Welcome Sheet(lock screen)	Set Wallpaper and other options for Welcome sheet (lock screen).
Screen edge effect	Set operation when Display turns on, etc.
Brightness	Set Display brightness.
Screen timeout	Set a period of inactivity after which Display turns off automatically.
Quality mode	Select a mode (combination of Display color tone and brightness).
Auto-rotate screen	Set whether to rotate Display with handset orientation automatically.
Screen lock during call	Set whether to prevent misoperation of Touchscreen during calls.
Font Settings	Set font size and font type.
Daydream	Set screensaver to activate when Display turns off while charging.
Display left percents of Battery	Set whether to show battery strength in percent.

1

In app sheet, (Settings)

2

Wallpaper & display

Wallpaper & display menu opens.

3

Set each item

Setting is complete.

Wallpaper & Display Operations

Set Image in Handset Memory or on SD Card to Home Screen Wallpaper

In Wallpaper & display menu, Wallpaper Tap application (Contents Manager(Wallpaper) , etc.) Always / Just once Follow onscreen prompts

・If confirmation appears, follow onscreen prompts.

Set Preloaded Image as Wallpaper

In Wallpaper & display menu, Wallpaper Live Wallpapers / Smart Custom / Wallpaper gallery Always / Just once Select image Set wallpaper / Set to wallpaper

・For some images, additional settings are available. Follow onscreen prompts.
・If confirmation appears, follow onscreen prompts.

Set Still Image as Wallpaper for Welcome Sheet (Lock Screen)

In Wallpaper & display menu, Welcome Sheet(lock screen) Welcome Sheet wallpaper Tap in Image field Tap page (e.g., Page 1) Tap option (e.g., Contents Manager(Wallpaper)) Follow onscreen prompts

・To remove Wallpaper, Tap To cancel the setting when Tapping an option.

Set Live Wallpaper to Welcome Sheet (Lock Screen)

In Wallpaper & display menu, Welcome Sheet(lock screen) Welcome Sheet wallpaper Tap for Live wallpaper Tap image Set wallpaper

・For some Wallpapers, additional settings are available. Follow onscreen prompts.

Apply Wallpaper Setting to Welcome Sheet (Lock Screen) Wallpaper

In Wallpaper & display menu, Welcome Sheet(lock screen) Welcome Sheet wallpaper To reflect the wallpaper setting

Set Shortcuts on Welcome Sheet (Lock Screen)

In Wallpaper & display menu, Welcome Sheet(lock screen) → Shortcut → Tap shortcut to change → Tap shortcut type (Application , etc.) → Tap/Set function to activate with shortcut

Set Information for Info Area in Welcome Sheet (Lock Screen)

In Wallpaper & display menu, Welcome Sheet(lock screen) → Info area → エモパー (emopa)/ 天気設定 (weather)/ 株価設定 (stocks) → Follow onscreen prompts

Set Area where Clock is Shown when emopa is On

In Wallpaper & display menu, Welcome Sheet(lock screen) → Clock display(When エモパー is enabled) → Center of screen / Info Area

Set Welcome Sheet (Lock Screen) Lighting Time

In Wallpaper & display menu, Welcome Sheet(lock screen) → Welcome lighting time → Tap number of seconds

Set Whether Names of Notifications Appear in Welcome Sheet (Lock Screen)

In Wallpaper & display menu, Welcome Sheet(lock screen) → Display names of new notifications

・Tap Display names of new notifications to toggle on (☑)/off (☐).

Set Effect for Display Edge

In Wallpaper & display menu, Screen edge effect → OFF / ON on Action Bar

・Tap OFF to toggle on (ON), ON to toggle off (OFF).
・When on, Tap When display turns on → Tap pattern → OK to set pattern when Display turns on.
・Tap For incoming call / For rumbling alarm / When start charging to toggle on (☑)/off (☐).

Set Display Brightness

In Wallpaper & display menu, Brightness → Automatic brightness / Brighten while charging → OK

・Tap Automatic brightness / Brighten while charging to toggle on (☑)/off (☐).
・Drag slider to adjust brightness.

Set a Period of Inactivity after which Display Turns Off

In Wallpaper & display menu, Screen timeout → Tap time

・Set a shorter time to save battery power.

Set Quality

In Wallpaper & display menu, Quality mode → Tap mode

Enable/Disable Screen Rotation

In Wallpaper & display menu, Auto-rotate screen

・Tap Auto-rotate screen to toggle on (☑)/off (☐).
・Disable Auto-rotate screen to reduce battery consumption.

Set Screen Lock to Prevent Misoperation during Calls

In Wallpaper & display menu, Screen lock during call

・Tap Screen lock during call to toggle on (☑)/off (☐).

Set Text Size for Menus, Etc.

In Wallpaper & display menu, Font Settings → Font size → General → Tap size

Set Text Size for S! Mail/SMS

In Wallpaper & display menu, Font Settings → Font size → Mail → Tap size → OK

Set Text Font

In Wallpaper & display menu, Font Settings → Text font → Tap font → OK

・Tap Search download font to search for fonts on Google Play.
・Depending on the application, changing the font may prevent text from being shown correctly. Reset to the preset font.

Set Screen during Charging

In Wallpaper & display menu, Daydream → OFF / ON on Action Bar

・Tap OFF to toggle on (ON), ON to toggle off (OFF).
・When ON, Tap function to set.
・Tap 🔧 to set details for function that appears.
・Tap START NOW to check a preview.

Enable/Disable Battery Percentage Indication

In Wallpaper & display menu, Display left percents of Battery

・Tap Display left percents of Battery to toggle on (☑)/off (☐).

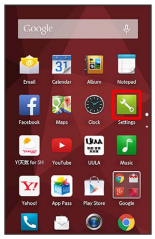
Energy Saving Setting

Using Energy Saving Settings

Use handset in an energy-saving mode.

1

In app sheet, (Settings)



2

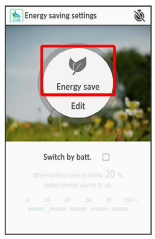
Energy saving ➔ Energy saving settings

Energy saving settings opens.

・Alternatively, in desktop sheet, Tap (Energy saving settings).

3

Energy save



Setting is complete.

・Appears green when Energy save is enabled.

Editing Energy Save Settings

In Energy saving settings, Edit ➔ Tap setting

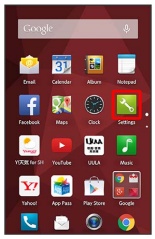
・Follow onscreen prompts.

Changing Energy Saving Settings According to Battery Level

Set Energy save to be enabled when battery level falls below a certain level.

1

In app sheet, (Settings)



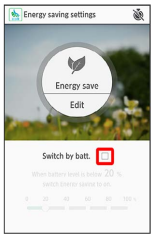
2

Energy saving → Energy saving settings

Energy saving settings opens.

3

☐ for Switch by batt. (☑)



4

Drag slider to set battery level

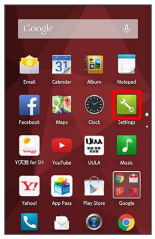
Setting is complete.

Changing Energy Saving Settings by Time of Day

Set handset to change Energy save settings automatically at a preset time of day.

1

In app sheet, (Settings)



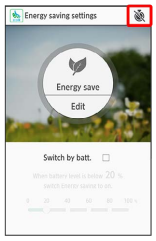
2

Energy saving → Energy saving settings

Energy saving settings opens.

3

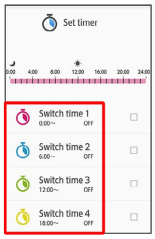
on Action Bar



Set timer window opens.

4

Tap switch time (Switch time 1 , etc.)

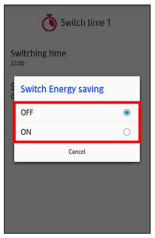


5

Switching time ➔ Select time ➔ OK

6

Switch Energy saving ➔ OFF / ON



7

➔ ☐ for set switch time (☑)

Setting is complete.

Using Eco Standby

Restrict the operation of background applications while Display is turned off.

1

In app sheet, (Settings)

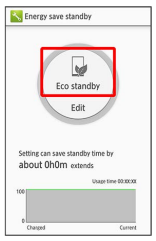
2

Energy saving ➔ Energy save standby

Energy save standby window opens.

3

Eco standby



Setting is complete.

・Appears green when Eco standby is enabled.

Set Applications with Restricted Operation in Eco Standby

In Energy save standby window, Edit ➔ Run (Block) for applications to set ➔ Yes

・To cancel restricted operation, Tap Block (Run) for set application.

Energy Saving Cautions

Applications with Periodic Data Communication

Depending on the application, data communication may not be carried out correctly after Eco standby is switched from enabled to disabled. Power handset off then back on.

Eco Standby

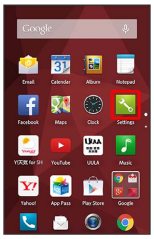
Eco standby restricts the operation of background applications while Display is turned off. Some functions may not operate correctly.

Battery Settings

Check Battery usage.

1

In app sheet, (Settings)



2

Energy saving → Battery

Battery window opens.

3

Tap item

Details of Battery usage appear.

Useful Settings

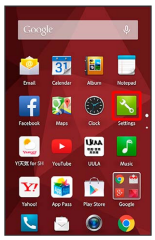
Useful Settings

Set useful functions such as emopa and Clip Now. Settable items are the following.

Item	Description
エモパー (Japanese only)	Set emopa. For details on emopa, see "エモパーを利用する (http://help.mb.softbank.jp/aquos-crystal-x/pc/09-01.html#action_09-01-01)" (Japanese).
Clip Now	Set Clip Now.
Grip sensor	Set actions that occur when handset is picked up or set down.
Screen on/off with motion	Set ON/OFF for Display according to how handset is used.
Recent apps key	Set actions that occur when Application Usage History Key is Tapped.
Self check	Diagnose handset or restart in Safe Mode.
Navigation key	Set the spacing between icons in Navigation Bar.

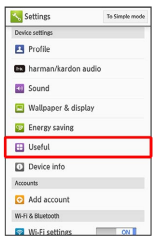
1

In app sheet, (Settings)



2

Useful



Useful window opens.

3

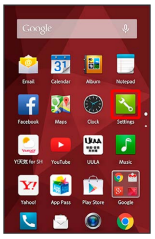
Set each item

Setting is complete.

Clip Now Settings

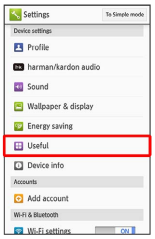
1

In app sheet, (Settings)



2

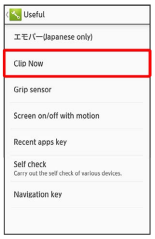
Useful



Useful window opens.

3

Clip Now

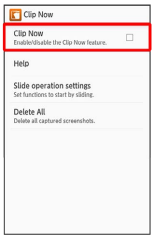


Clip Now window opens.

・Alternatively, in desktop sheet, Tap (Clip Now設定).

4

Clip Now ( )



Clip Now is enabled.

・Tap Clip Now to toggle on ( )/off ( ).

Clip Now Operations

Viewing Instructions for Clip Now

In Clip Now window, Help

Setting Whether to Capture Screenshots or Launch Viewer by Sliding Direction

In Clip Now window, Slide operation settings From left to right / From right to left Capture screenshot / Start viewer

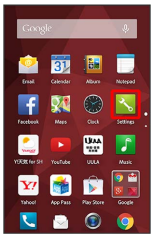
Deleting All Captured Screenshots

In Clip Now window, Delete All Yes

Grip Sensor Settings

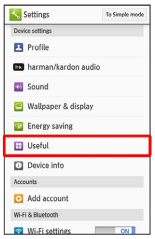
1

In app sheet, (Settings)



2

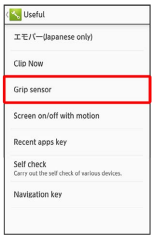
Useful



Useful window opens.

3

Glip sensor



Grip sensor window opens.

・Alternatively, in desktop sheet, Tap (グリップ設定).

4

In Action Bar, OFF

Grip Sensor is enabled (ON).

・To disable Grip Sensor, Tap ON (OFF).

5

Set each item

Setting is complete.

・For details on Grip Sensor, see "Using Grip Sensor."

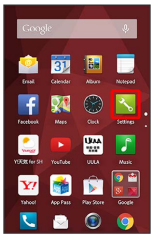
Screen On/Off with Motion Settings

Set how operation of handset turns Display on or off. Settable items are the following.

Item	Description
Bright Keep	Set whether to keep Display from turning off while handset is held.
Turn off by putting flatly	Set whether Display immediately turns off when handset is placed flat.
Sweep ON	Set whether Display turns on when Display is Flicked while it is turned off.
Video tutorial	Connect to the Sharp Website and view a video on how to use Sweep ON.

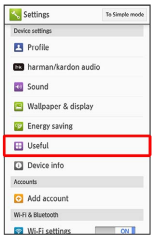
1

In app sheet, (Settings)



2

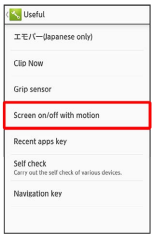
Useful



Useful window opens.

3

Screen on/off with motion



Screen on/off with motion window opens.

4

Set each item

Setting is complete.

Screen On/Off with Motion Operations

Set Whether to Keep Display On while Holding Handset

In Screen on/off with motion window, Bright Keep ON (Notify) / ON (Not notify) / OFF

- For ON (Notify), appears on Status Bar indicating Bright Keep is enabled.
- Hand-held state is determined from handset angle and Proximity/Light Sensor; usage status may affect determination of hand-held state.

Set Whether to Turn Off Display Immediately when Handset is Placed Flat

In Screen on/off with motion, Turn off by putting flatly

- Tap Turn off by putting flatly to toggle on (☑)/off (☐).
- Available when Bright Keep is enabled.
- May not work properly depending on application in use.

Set Whether to Turn On Display by Flicking when Display Off

In Screen on/off with motion, Sweep ON ON / Enable while holding(When grip sensor is enabled) / OFF

- For Enable while holding(When grip sensor is enabled), function is enabled when Grip Sensor is on.
- If confirmation appears, follow onscreen prompts.

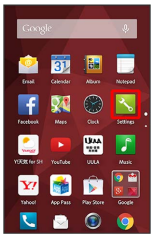
Connect to Sharp Website and View Video Tutorial

In Screen on/off with motion, Video tutorial Follow onscreen prompts

Recent Apps Key Setting

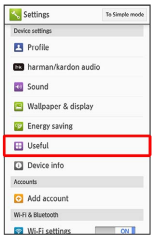
1

In app sheet, (Settings)



2

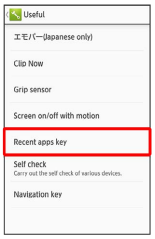
Useful



Useful window opens.

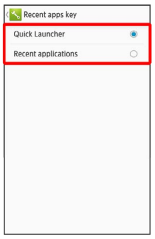
3

Recent apps key



4

Quick Launcher / Recent applications

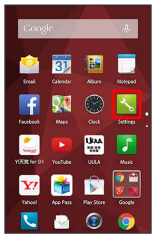


Setting is complete.

Self Check Settings

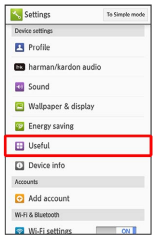
1

In app sheet, (Settings)



2

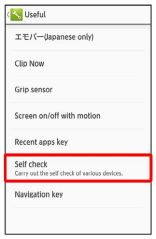
Useful



Useful window opens.

3

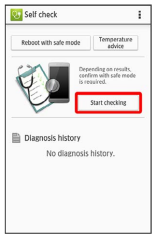
Self check



Self check window opens.

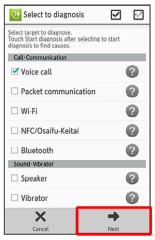
4

Start checking



5

Tap diagnosis item (☑) ➔ Next



・To select (☑)/unselect (☐) all diagnosis items, Tap ☑ / ☑ on Action Bar.

6

Next

7

Start diagnosis

8

Follow onscreen prompts

Diagnosis results appear.

・Tap diagnosis result for detailed result screen.

Self Check Operations

View Advice Related to Temperature Rise in Handset

In Self check window, Temperature advice ➔ Follow onscreen prompts

Restart Handset in Safe Mode

In Self check window, Reboot with safe mode ➔ OK

・Handset restarts in a state near to its state at time of purchase.

・After restarting in Safe Mode, in Useful window, Tap Self check ➔ Reboot to cancel safe mode ➔ OK to quit Safe Mode.

View Self Check Diagnostic History

In Self check window, Tap the diagnostic history to view ➔ Follow onscreen prompts

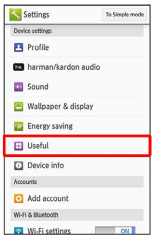
Navigation Key Settings

1

In app sheet, (Settings)

2

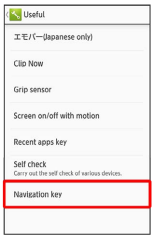
Useful



Useful window opens.

3

Navigation key



4

Large key-space / Small key-space

Setting is complete.

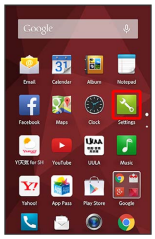
Device Info

Device Info

Check handset status.

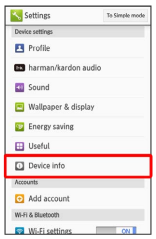
1

In app sheet, (Settings)



2

Device info



Device info menu opens.

・For details on Software Update, see "Software Updates."

Device Info Operations

Make Developer Options Available

In Device info menu, Tap Build number seven times

・To access developer options, open Settings, then Tap Other settings → Developer options.

Check Handset Status (Battery Status, Handset Number, Etc.)

In Device info menu, Status

・Tap Battery status to check battery performance.

・Tap IMEI to view barcode with IMEI number.

Calibrate Touchscreen

Calibrate Touchscreen to improve response. Hold handset normally during calibration.

In Device info menu, Adjust touch panel → Follow onscreen prompts

Calibrate Motion & Electromagnetic Sensors

In Device info menu, Adjust sensitivity of sensor ➔ OK ➔ Follow onscreen prompts (tone sounds when calibration completes) ➔ OK

Set a Cellular Provider

In Device info menu, Carrier Setting ➔ Yes ➔ Follow onscreen prompts

Check Legal Information & Technical Regulations Conformity Certification

In Device info menu, Legal information / Technical Regulations Conformity Certification

Add Account

Add Account

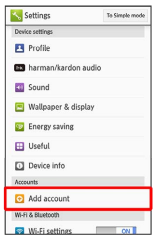
Create/add accounts; sync them as needed.

1

In app sheet, (Settings)

2

Add account



3

Tap account type ➔ Follow onscreen prompts

An account is added.

Select Applications to Sync by Account

In app sheet, (Settings) ➔ Tap account type ➔ Tap account ➔ Tap item(s) to sync (☑)

Call Settings

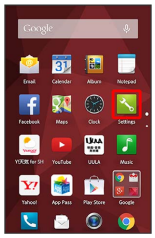
Call Settings

Check call information and make settings. Settable items are the following.

Item	Description
Call timers	Check approximate call times.
Quick silent	Set whether turning over handset stops ringtone and handset vibration as a call is arriving.
Adding new contacts to the address book	Set whether a window appears after a call to add an unregistered number to Address Book.
Auto answer	Set auto answering and ring time when an earphone is connected.
Simple secrecy for incoming calls	Set whether to keep a caller's name and photo from appearing until handset is picked up.
Operation when putting down	Set what action occurs when handset is set down during a call.
Calling display settings	Set screen background, etc. shown during a call.
Quick responses	Edit an SMS message to send to a caller when unable to answer.
Answer phone	Play back Answer Phone and Voice Memos and set answering message that plays to callers.
Voicemail/ divert	Enable and set operation of Voicemail and Call Forwarding. See "Optional Services" for details.
Missed calls	Set notification of missed calls and Voicemail messages. See "Optional Services" for details.
Int'l call settings	Set a country code list for international calls and Abroad Assistant. See "Calling from Outside Japan" for details.
Call barring	Set call restrictions, rejection, etc. See "Optional Services" for details.
Power key ends call	Enable ⏻ to end a call.
Other service settings	Set notification of caller ID and Call Waiting. See "Optional Services" for details.
SIP Accounts	Set accounts and incoming call permission for Internet calling.
Use Internet calling	Set calling method for Internet calls when connected by Wi-Fi.

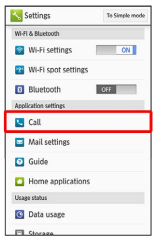
1

In app sheet, (Settings)



2

Call



Call settings open.

3

Set each item

Setting is complete.

Call Setting Operations

View Approximate Call Times

In Call settings, Call timers → Dialed calls / Received calls

・To close window, Tap OK. Tapping Reset here erases approximate call times.

Set Whether Turning Over Handset Stops Ringtone/Vibration for Arriving Call

In Call settings, Quick silent

・Tap Quick silent to toggle on (☑)/off (☐).

Set Whether Window Appears after Call for Adding Unregistered Number

In Call settings, Adding new contacts to the address book

・Tap Adding new contacts to the address book to toggle on (☑)/off (☐).

Set Whether Handset Answers Call when Earphone Connected

In Call settings, Auto answer → Auto answer

・Tap Auto answer to toggle on (☑)/off (☐).

Set Ring Time until Handset Answers with Auto Answer

In Call settings, Auto answer → Call Time → Select number of seconds → Set

・Available when Auto answer is enabled.

Set Whether to Keep Caller's Name and Photo from Appearing until Handset is Picked Up

In Call settings, Simple secrecy for incoming calls

・If confirmation appears, follow onscreen prompts.
・Tap Simple secrecy for incoming calls to toggle on (☑)/off (☐).
・When Simple secrecy for incoming calls is enabled, function is enabled if Grip Sensor is on.

Set what Action Occurs when Handset is Set Down during Call

In Call settings, Operation when putting down → Hold / Mute / Speakerphone / OFF

・If confirmation appears, follow onscreen prompts.
・When Hold / Mute / Speakerphone is set, function is enabled if Grip Sensor is on.

Set Screen Background, Etc. Shown during Calls

In Call settings, Calling display settings → Follow onscreen prompts

Edit SMS Message to Send to Caller when Unable to Answer

In Call settings, Quick responses → Tap message to edit → Enter message → OK

Play Back Answer Phone/Voice Memos, Set Answering Message

In Call settings, Answer phone → Follow onscreen prompts

Enable ⏻ to End Call

In Call settings, Power key ends call

・Tap Power key ends call to toggle on (☑)/off (☐).

Set Accounts and Incoming Call Permission for Internet Calling

In Call settings, SIP Accounts → Follow onscreen prompts

Set Call Method for Internet Calls when Connected by Wi-Fi

In Call settings, Use Internet calling → Tap method

Mail Settings

Make settings for S! Mail/SMS.

Common Settings

Settable items are the following.

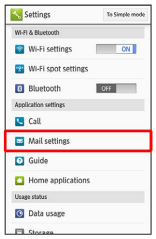
Item	Description
Message Notice	Enable pop-up notification for new messages.
Sound/ Vibration	Set ringtone, vibration, new mail lamp, etc. for new messages.
Thread Mode	Enable conversation thread view for messages.
Color Style Setting	Change the screen design.
Font Size options	Set the font size.
Double enlarge image	Show small images at double-size.
My Pictogram Setting	Change the display order of or delete My pictograms.
Decore Picture Setting	Change the display order of or delete decore mail pictures.
Mail Save&Load	Back up/restore message data or export/ import message data in vMessage format. vMessage format is compatible with other smartphones and SoftBank mobile phones (3G).
Spam mail folder	Enable sorting of messages from senders not in Address Book to Spam Box.
Initialization	Return message settings to defaults.
Advanced Settings	Enable old messages to be automatically deleted and set number of messages that can be saved. Check used space on SD Card and handset.

1

In app sheet, (Settings)

2

Mail settings

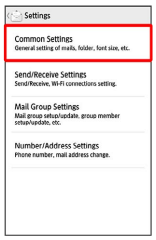


Mail settings open.

・Alternatively, in app sheet, (Basic) (Mail)

3

Common Settings



Common settings open.

4

Set each item

Setting is complete.

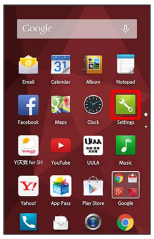
Send/Receive Settings

Settable items are the following.

Item	Description
Receive Settings	Make S! Mail/SMS receive settings. Set what portions of S! Mail/SMS to first retrieve and whether to automatically check new messages when activating Mail.
Send Settings	Make S! Mail/SMS send settings. Set whether to quote a message when replying, whether to request delivery reports for sent messages, and whether to show confirmations.
Wi-Fi Connection	Make S! Mail settings for Wi-Fi connections.
SMS Send/ Receive Settings	Set the application used for sending/ receiving SMS.
Display Progress	Set whether to send and receive in the background.

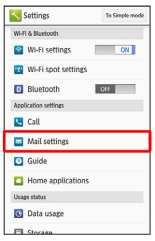
1

In app sheet, (Settings)



2

Mail settings

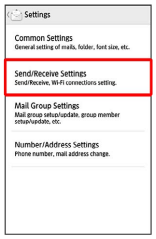


Mail settings open.

・Alternatively, in app sheet, (Basic) (Mail)

3

Send/Receive Settings



Send/Receive settings open.

4

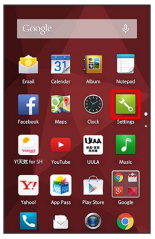
Set each item

Setting is complete.

Mail Group Settings

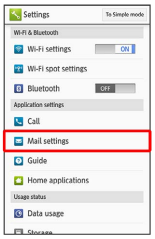
1

In app sheet, (Settings)



2

Mail settings



Mail settings open.

・Alternatively, in app sheet, (Basic) (Mail)

3

Mail Group Settings

Mail Group Setting opens.

Mail Group Setting Operations

Adding a Mail Group

In Mail Group Setting, Add Mail Group Enter group name OK

・Tap to enter emoji.

Adding Members to a Group

In Mail Group Setting, Tap group Add Group Member Phonebook / Outgoing History / Incoming History / Direct Input Select/enter contact to add OK

Editing a Group Name

In Mail Group Setting, Touch & Hold group Edit group name OK

・Tap to enter emoji.

Deleting a Group

In Mail Group Setting, Tap ✕ next to group Delete

Deleting Members

In Mail Group Setting, Tap group Tap ✕ next to member Delete

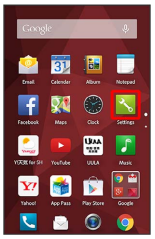
Number/Address Settings

Settable and viewable items are the following.

Item	Description
Phone Number	View phone number.
Mail Address	View mail address.
Change Mail Address	Navigate to My SoftBank to change mail address, etc.

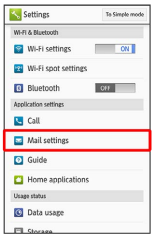
1

In app sheet, (Settings)



2

Mail settings

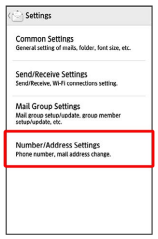


Mail settings open.

・Alternatively, in app sheet, (Basic) (Mail)

3

Number/Address Settings



Number/Address settings open.

4

Set each item

Setting is complete.

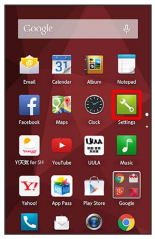
Guide Settings

Guide Settings

Set whether Guide indicator always appears on Status Bar.

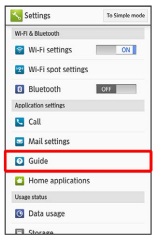
1

In app sheet, (Settings)



2

Guide



Guide Indicator Setting opens.

3

Drag switch to OFF or ON Done

Setting is complete.

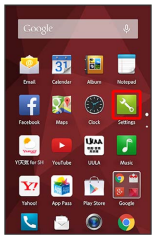
Home Applications Setting

Home Applications Setting

Set Home application.

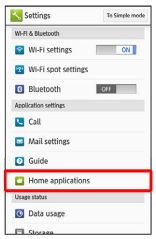
1

In app sheet, (Settings)



2

Home applications



Home applications window opens.

3

Tap Home application

Setting is complete.

Delete Home Applications

In Home applications window, Follow onscreen prompts

・Preinstalled Home applications cannot be deleted.

Data Usage Settings

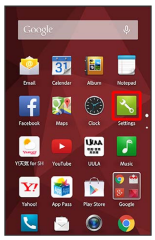
Check your amount of mobile data usage (per month) and restrict usage.
Data usage is only as tracked by handset, and may differ from actual data usage statement.

Data Usage Settings

Check data usage.

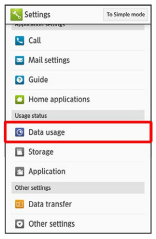
1

In app sheet, (Settings)



2

Data usage



Data usage window opens.

3

Set each item

Setting is complete.

Data Usage Operations

Enable/Disable Mobile Data Communication

In Data usage window, OFF / ON for Mobile data

・Tap OFF to toggle on (ON), ON to toggle off (OFF).
・If confirmation appears, follow onscreen prompts.

Set Time Period for Data Usage to Reset

In Data usage window, Tap date in Data usage cycle Change cycle… Select monthly reset date Set

Check Data Usage per Function

In Data usage window, Tap function name (Android OS , etc.)

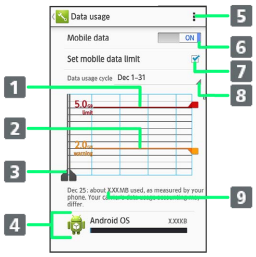
Enable/Disable Application Auto-Syncing

In Data usage window, ☰ ➔ Auto-sync data ➔ OK

・Tap Auto-sync data to toggle on (☑)/off (☐).

・Disable Auto-sync data to reduce Battery consumption.

Data Usage Window Layout



1 Data communication limit line
2 Data communication alert line
3 Data usage view period[1]
4 Services used during period
5 Open menu
6 Mobile data field: Enable/disable mobile data communication
7 Limit mobile data communication
8 Data usage cycle field: Show cycle for checking data usage/set cycle reset date[2]
9 Data usage

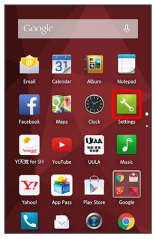
1 Drag bars left and right to adjust view period.
2 Data usage cycle is reset on the same day of every month (at time of purchase, day before first handset activation) (Reset date settable).

Limiting/Alerting Data Usage

Set an upper limit and alert position on data usage beforehand to receive alerts and notifications of limited usage when the upper limit is approached.

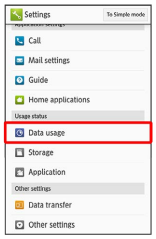
1

In app sheet, (Settings)



2

Data usage



Data usage window opens.

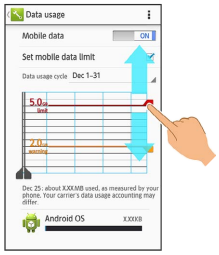
3

Set mobile data limit ➔ OK

Amount is shown on data communication limit line (red).

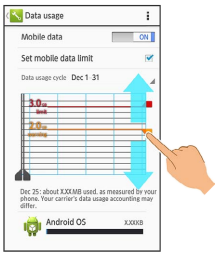
4

Drag data communication limit line (red) up/down to set upper limit



5

Drag data communication alert line (orange) up/down to set alert amount



Upper limit and alert position on data usage are set.

・When data usage reaches the alert position, ⚠ appears at top of Display, and when it reaches the upper limit, notification indicating that mobile data communication is disabled appears. Follow onscreen prompts.

Storage Settings

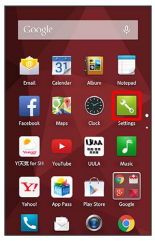
Storage Settings

Check handset and SD Card memory space, mount or unmount SD Card, and erase SD Card data. Settable items are the following.

Item	Description
Total space	Check total handset memory/SD Card space.
Available	Check free handset memory/SD Card space.
Mount microSD	Mount SD Card. See "Unmounting SD Card" for details.
Unmount microSD	Unmount SD Card to remove it safely. See "Unmounting SD Card" for details.
Erase microSD	Format SD Card. See "Formatting SD Card" for details.
Encrypt microSD	Encrypt SD Card.
Export to microSD	Copy data in handset memory to SD Card.
Import to phone	Copy data in SD Card to handset memory.

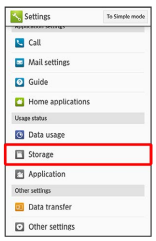
1

In app sheet, (Settings)



2

Storage



Storage menu opens.

3

Set each item

Setting is complete.

Storage Operations

Encrypt SD Card

In Storage window, Encrypt microSD → OK → Erase SD card → Enter Operation Password → OK → Erase everything

・Set lock number/password to unlock screen beforehand.

Copy Data in Handset Memory to SD Card

In Storage window, Export to microSD → Yes

・If confirmation appears, follow onscreen prompts.

Copy Data in SD Card to Handset Memory

In Storage window, Import to phone → Yes

・If confirmation appears, follow onscreen prompts.

Set USB Connection Mode

In Storage window, ☰ → USB connection → Tap connection mode

Cautions for SD Card Encryption

Files on SD Card can be encrypted with Encrypt microSD.

・Encrypted SD Card cannot be recognized by any device other than handset used for encrypting the SD Card.
・Encrypting SD Card prevents files on that SD Card from being accessed by other people (e.g., when your handset is lost).
・Even when encrypted SD Card is removed from handset then inserted into another handset or connected to a PC via an SD Card reader/writer, files on the encrypted SD Card cannot be accessed from the device.
・Performing Encrypt microSD deletes all SD Card files.
・To disable encryption of SD Card and use it normally, perform Reset all.
When performing Reset all, select Delete data in microSD as well. for initialization. Note that files on the SD Card will be deleted.
・Once used for encrypting SD Card, handset cannot be connected to a PC in MTP mode or PTP mode.
・SD Card becomes read-only when inserted into handset that has been used for encrypting another SD Card.
・To write to read-only SD Card, perform steps in "Formatting SD Card." Note that files on the SD Card will be deleted.

Application Settings

Application Settings

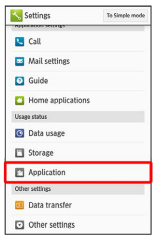
Check installed applications and running applications.

1

In app sheet, (Settings)

2

Application



Application menu opens.

・Tap DOWNLOADED, RUNNING or ALL to show applications by category.
・Flick application list left/right to toggle categories.

3

Tap application

Application information appears.

4

Set each item

Setting is complete.

Data Transfer

Import files from other mobiles using SD Card or Bluetooth®, or back up handset files to SD Card.

Backup Caution

Backup requires at least 11 MB of free space in handset memory. Process stops if Battery runs low. Check battery charge beforehand.

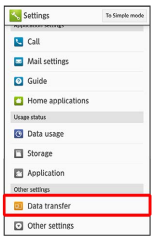
Restoring Backup Files from SD Card

1

In app sheet, (Settings)

2

Data transfer

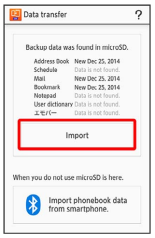


Data transfer window opens.

・Tap Function information to connect to the Sharp Website for a video tutorial (Japanese).

3

Data import Import



・If SD Card is not inserted or there is no backup file on inserted SD Card, Select device to import from window appears. Follow onscreen prompts.

4

Tap item Tap backup file Add registration or Delete and register

・To select ( ) or cancel ( ) all available items together at once, in item list, Tap or on Action Bar.

・To import email messages, Tap Mail Add registration / Delete and register . Mail activates.

・When importing User/Learning dictionary (iWnn IME - SH edition), existing User/Learning dictionary (iWnn IME - SH edition) data on handset memory will be deleted even if Add registration is Tapped.

5

Yes

Restore starts.

・If confirmation appears, follow onscreen prompts.

6

Complete

Restore is complete.

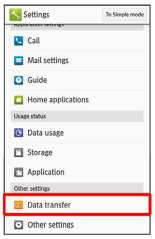
Backing Up Files to SD Card

1

In app sheet, (Settings)

2

Data transfer



Data transfer window opens.

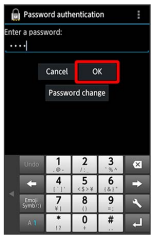
・Tap Function information to connect to the Sharp Website for a video tutorial (Japanese).

3

Save data to microSD

4

Enter Operation Password OK



5

Follow onscreen prompts

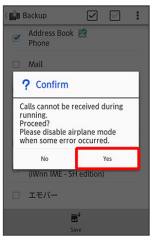
・To select (☑) or cancel (☐) all available items together at once, in item list, Tap ☑ or ☑ on Action Bar.

・If confirmation appears, follow onscreen prompts.

・To save email messages, Tap Mail Save . Anshin Backup activates. See "メールを保存する (http://help.mb.softbank.jp/aquos-crystal-x/pc/09-08.html#action_09-08-18)" for details (Japanese).

6

Save Yes



Backup starts.

7

Complete

Backup is complete.

Other Settings

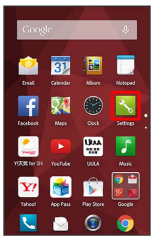
Other Settings

Make settings for other functions. Settable items are the following.

Item	Description
Location	Enable location information.
Network settings	Set Airplane mode, mobile network, etc.
Lock & Security	Set Screen lock, Operation Password, etc.
Secrecy settings	Specify settings for hiding contacts. See "Hiding Contacts" for details.
Contacts data access monitor	Control access of applications to Address Book.
Language & input	Set functions for language and text entry.
Date & time	Set functions for date and time.
Accessibility	Set functions for text-to-speech, etc.
Printing	Set up cloud printing.
Initial setting	Perform initial setup manually.
Backup & reset	Back up application data and handset settings including Wi-Fi password to Google server, or delete all handset memory files.

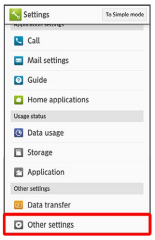
1

In app sheet, (Settings)



2

Other settings



Other settings opens.

3

Set each item

Setting is complete.

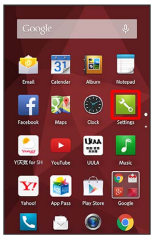
Location Information Settings

Enable location information. Settable items are the following.

Item	Description
Mode	Set whether wireless networks and GPS are used for obtaining current location. Obtained location information is used by applications.
Recent location requests	View applications that have recently used location information.
Location services	Make settings for applications that use location information.

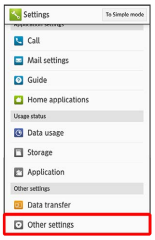
1

In app sheet, (Settings)



2

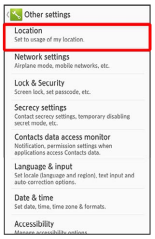
Other settings



Other settings opens.

3

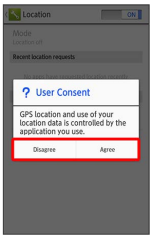
Location



Location window opens.

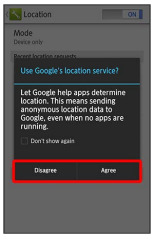
4

OFF on Action Bar Disagree / Agree



5

Disagree / Agree



Setting is complete.

・To disable use of location information, Tap ON (OFF).

Changing Accuracy of Location Information

In Location window, Mode Tap location mode

・If confirmation appears, follow onscreen prompts.

Network Settings

Set Airplane mode and make network settings. Settable items are the following.

Item	Description
Airplane mode	Leaving power on, suspend signal-transmitting functions.
Default SMS app	Set application for sending/receiving SMS.
NFC/Osaifu-Keitai settings	Set behavior of NFC and Osaifu-Keitai®.
Wireless output (Miracast)	Set wireless output.
Home network settings	Share images and other data with other devices over a home network.
VPN settings	Set virtual private networks (VPNs).
Mobile networks	Set Network options. For details on Network operators, see "Global Roaming."
VoLTE voice call[1]	Set whether to use LTE for voice calling.

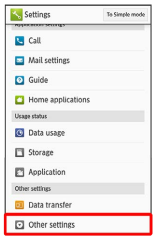
1 Requires separate subscription

1

In app sheet, (Settings)

2

Other settings



Other settings opens.

3

Network settings

Network settings opens.

4

Set each item

Setting is complete.

Network Settings Operations

Enable/Disable Signal-Transmitting Functions

In Network settings, Airplane mode

・Tap Airplane mode to toggle on (☑)/off (☐).

Set Application for Sending/Receiving SMS

In Network settings, Default SMS app → Tap application

Set Whether Photos or Music Stored in Handset Memory or SD Card are Viewable/Playable on DLNA-Compatible Televisions, Etc.

In Network settings, Home network settings → Home network server

・Set up Wi-Fi for home NW server beforehand.
・Tap Home network server to toggle on (☑)/off (☐).
・To connect from a DLNA-compatible television to handset, see user's manual for the television.

Set Network (Wi-Fi Access Point) to Use DLNA

In Network settings, Tap Home network settings → Wi-Fi for home NW server → Tap access point for connection

・Available when Home network server is disabled.
・If confirmation appears, follow onscreen prompts.

Set Handset Name Shown on DLNA-Compatible Television, Etc.

In Network settings, Tap Home network settings → Home network server name → Tap server name input field → Enter name → OK

・Available when Home network server is disabled.

Add Virtual Private Networks (VPNs)

In Network settings, VPN settings ➔ ＋ on Action Bar ➔ Set ➔ Save

- Set up pattern, Lock No. passcode or password for Screen lock beforehand.
- Tap an added VPN to connect/disconnect it. Touch & Hold to edit/delete it.

Enable/Disable Mobile Data Transmissions

In Network settings, Mobile networks ➔ Data transmission

- Tap Data transmission to toggle on (☑)/off (☐).

Enable/Disable Data Roaming

In Network settings, Mobile networks ➔ Data roaming

- Tap Data roaming to toggle on (☑)/off (☐).
- If confirmation appears, follow onscreen prompts.

Select Whether to Use 4G LTE & 4G Networks

In Network settings, Mobile networks ➔ Use 4G

- Tap Use 4G to toggle on (☑)/off (☐).

Add Access Points

In Network settings, Mobile networks ➔ Access Point Names ➔ ⊕ ➔ Tap item ➔ Set ➔ ☰ ➔ Save

Delete Added Access Points

In Network settings, Mobile networks ➔ Access Point Names ➔ ☰ ➔ Reset to default

Set Whether to Use LTE for Voice Calling

In Network settings, VoLTE voice call

- Tap VoLTE voice call to toggle on (☑)/off (☐).

Lock & Security Settings

Make security settings including screen lock and security codes. Settable items are the following.

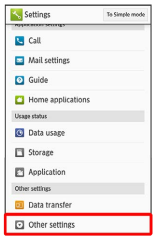
Item	Description
Operation password setting	Set Operation Password to use or change some functions. See "Setting Operation Password" for details.
Screen lock	Set Screen lock option.
NFC screen-unlock settings	Set to unlock screen with IC Card (NFC).
Enable widgets	Enable/disable widgets in Welcome sheet (lock screen).
Owner info	Show owner information in Welcome sheet (lock screen).
USIM card lock settings	Set whether to require PIN entry when powering on. See "USIM PIN" for details.
Encrypt phone	Encrypt handset.
Visible passwords	Show/hide passwords as you type.
Device administrator	Enable/disable device management options.
Unknown sources	Enable/disable installation of non-Google Play applications.
Verify apps	Set whether to show a warning or prevent installation when installing a malicious application.
Storage type	Check storage type.
Use secure credentials	Control access of applications to secure certificates and other authentication information.
Install certificates	Install encrypted authentication information.
Clear credentials	Delete all authentication information and reset password for authentication information storage.

1

In app sheet, (Settings)

2

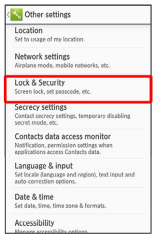
Other settings



Other settings opens.

3

Lock & Security



Lock & Security menu opens.

4

Set each item

Setting is complete.

Lock & Security Operations

Disable Screen Lock

In Lock & Security menu, Screen lock → None

・When an option other than None or Slide is selected, after Tapping Screen lock, unlock screen to proceed.

Require Dragging for Unlocking Screen

In Lock & Security menu, Screen lock → Slide

・When an option other than None or Slide is selected, after Tapping Screen lock, unlock screen to proceed.

Require Face Recognition for Unlocking Screen

In Lock & Security menu, Screen lock → Face Unlock → Read message → Set it up → Continue → Align face with guide → Face captured. appears → Continue → Tap secondary unlock option (in case of face recognition failure) → Set pattern or passcode → OK

・When an option other than None or Slide is selected, after Tapping Screen lock, unlock screen to proceed.

Require Pattern Drawing for Unlocking Screen

In Lock & Security menu, Screen lock → Pattern → Draw pattern → Continue → Draw pattern again → Confirm

・When an option other than None or Slide is selected, after Tapping Screen lock, unlock screen to proceed.

・If a Google Account has been set up, Pattern reminder appears after failing to unlock screen five consecutive times. Tap Pattern reminder and sign in to the Google Account to unlock screen.

Require Passcode Entry for Unlocking Screen

In Lock & Security menu, Screen lock → Lock No. → Enter passcode → Continue → Re-enter passcode → OK

・When an option other than None or Slide is selected, after Tapping Screen lock, unlock screen to proceed.

Require Password Entry for Unlocking Screen

In Lock & Security menu, Screen lock → Password → Enter password → Continue → Re-enter password → OK

・When an option other than None or Slide is selected, after Tapping Screen lock, unlock screen to proceed.

Set Screen to Unlock with IC Card (NFC)

In Lock & Security menu, NFC screen-unlock settings → Enter Operation Password → OK → Use NFC screen-unlock (☑) → Register card to unlock screen → Follow onscreen prompts

・Settings can be performed when Screen lock is a setting other than None.

・Available when Reader/Writer, P2P is enabled.

・Unregister the registered card → Yes to cancel registration of card for unlocking screen.

Enable/Disable Widgets in Welcome Sheet (Lock Screen)

In Lock & Security menu, Enable widgets

・Tap Enable widgets to toggle on (☑)/off (☐).

Set Whether to Show Owner Information in Welcome Sheet (Lock Screen)

In Lock & Security menu, Owner info → Show owner info on lock screen

- Tap Show owner info on lock screen to toggle on (☑)/off (☐).
- After enabling Show owner info on lock screen, enter owner information.
- To show owner information, Tap ⓘ in Welcome sheet (lock screen). (Tap ⊗ to hide it.)

Encrypt Handset

In Lock & Security menu, Encrypt phone → Encrypt phone → Enter lock number/password → Next → Encrypt phone

- Set lock number/password to unlock screen beforehand.

Set Whether to Show Passwords when Entering

In Lock & Security menu, Visible passwords

- Tap Visible passwords to toggle on (☑)/off (☐).

Enable Device Administration Functions

In Lock & Security menu, Device administrator → Tap administrator function → Follow onscreen prompts

Enable/Disable Installation of Non-Google Play Applications

In Lock & Security menu, Unknown sources

- Tap Unknown sources to toggle on (☑)/off (☐).
- If confirmation appears, follow onscreen prompts.

Set Whether Alert Appears and Installation is Prohibited for Harmful Applications

In Lock & Security menu, Verify apps

- Tap Verify apps to toggle on (☑)/off (☐).

Enable/Disable Access by Applications to Secure Certificates and Other Credentials

In Lock & Security menu, Use secure credentials → SYSTEM / USER → Tap certificate → Flick screen to show bottom of certificate → Disable / Enable → OK

Install Encrypted Credentials

In Lock & Security menu, Install certificates → Follow onscreen prompts

- Set pattern/lock number/password for unlocking screen beforehand.
- Authentication information may be required when setting a Wi-Fi network. How to obtain authentication information depends on issuer.

Delete All Credentials and Reset Credentials Storage Password

In Lock & Security menu, Clear credentials → OK

- By erasing credentials storage, all VPN settings are also erased.

Lock & Security Cautions

Screen Lock Caution

Do not forget pattern, Lock No. passcode or password set for unlocking screen (write it down if necessary). If you forget it, visit the nearest SoftBank Shop for recovery procedure. Note that your files and settings will be lost during the recovery process.

Cautions for Handset Encryption

Handset files can be encrypted with Encrypt phone.

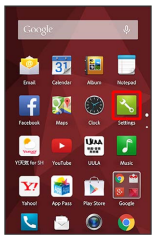
- After performing Encrypt phone, storage decryption password entry window appears each time handset is powered on. Enter Lock No. passcode or password set in Screen lock.
- To disable encryption of handset, perform Reset all.
- Charge handset adequately beforehand, and charge handset during the encryption process.
- If Encrypt phone is interrupted, all handset files will be deleted.
- Emergency calls cannot be placed in storage decryption password entry window.
- If incorrect Lock No. passcode or password is entered 10 times and 20 times consecutively in storage decryption password entry window, input will be disabled for 30 seconds. Note that handset will be initialized after 30 consecutive failures.

Contacts Data Access Monitor Setting

Control access of applications to Address Book.

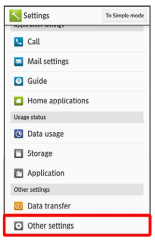
1

In app sheet, (Settings)



2

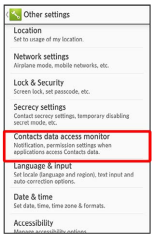
Other settings



Other settings opens.

3

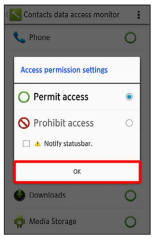
Contacts data access monitor



Contacts data access monitor window opens.

4

Tap application Permit access or Prohibit access OK



Setting is complete.

・Select Notify statusbar. to show a notification when an application accesses Address Book.

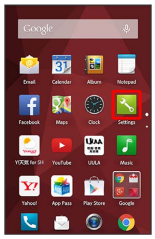
Language & Input Settings

Make settings for display language and text entry. Settable items are the following.

Item	Description
Current selected keyboard	Set default input method.
Google Keyboard	Set functioning of Google Keyboard.
iWnn IME - SH edition	Set functioning of iWnn IME - SH edition.
Google voice typing	Enable/disable voice input.
Select language	Select handset interface language.
Voice input settings	Set voice input options.
Text-to-speech output	Set text-to-speech options.
Spell checker	Enable/disable spelling correction.
Personal dictionary	Save words to user dictionary.
Pointer speed	Set pointer speed for mouse/trackpad use.
Character code setting	Set character code for sending data.

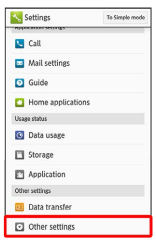
1

In app sheet, (Settings)



2

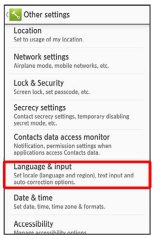
Other settings



Other settings opens.

3

Language & input



Language & input menu opens.

4

Set each item

Setting is complete.

Language & Input Operations

Set Default Input Method

In Language & input menu, Current selected keyboard → Tap input method

・To set functioning of input methods, Tap Set up input methods .

Set Functioning of Google Keyboard

In Language & input menu, for Google Keyboard → Tap item → Follow onscreen prompts

・For some items, setting completes when Tapping the item.

Set iWnn IME - SH edition

In Language & input menu, for iWnn IME - SH edition

Enable/Disable Voice Input

In Language & input menu, Google voice typing

・Tap Google voice typing to toggle on (☑)/off (☐).

・Tap to set operation of voice input.

Select Handset Interface Language

In Language & input menu, Select language → Tap language

Set Language for Voice Input

In Language & input menu, Voice input settings → Language → Tap language → Save

Set Speech Output for Voice Input

In Language & input menu, Voice input settings → Speech output → Tap item

・If Hands-free only is selected, speech output is available when a headset is connected.

Set Voice Search to Start from Google Search by Speaking "OK Google" to Handset

In Language & input menu, Voice input settings → "Ok Google" Detection → From Google Search app

・Tap From Google Search app to toggle on (☑)/off (☐).

Download Data for Offline Speech Recognition

Download offline speech recognition data beforehand to use voice input even when the Internet cannot be accessed.

In Language & input menu, Voice input settings → Offline speech recognition → ALL → Tap language → Download

Enable/Disable Blocking of Offensive Words

In Language & input menu, Voice input settings → Block offensive words

・Tap Block offensive words to toggle on (☑)/off (☐).

Enable/Disable Audio Recording with a Bluetooth® Headset

In Language & input menu, Voice input settings → Bluetooth headset

・Tap Bluetooth headset to toggle on (☑)/off (☐).

Set Voice Synthesis Engine for Text-to-Speech Engine

In Language & input menu, Text-to-speech output → Tap engine

・Tap to set operation of the speech synthesis engine.

Set Speed of Text-to-Speech

In Language & input menu, Text-to-speech output → Speech rate → Tap speech rate

Play Sample

In Language & input menu, Text-to-speech output → Listen to an example

Enable/Disable Spelling Check during Text Entry

In Language & input menu, Spell checker

・Tap Spell checker to toggle on ( )/off ( ).

・Tap to set operation of Spell checker.

Save Words to User Dictionary

In Language & input menu, Personal dictionary → + → Tap Type a word field → Enter word → Next → Enter keyword → Done →

・To delete a word, Tap it → on Action Bar.

Set Speed of Pointer for Mouse/Trackpad

In Language & input menu, Pointer speed → Drag slider to adjust speed → OK

・Pointer is slower the longer the bar is.

Set Character Code for Sending Data

In Language & input menu, Character code setting → Unicode / Shift_JIS

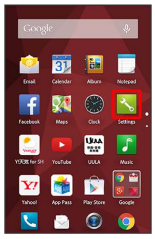
Date & Time Settings

Make settings for date and time. Settable items are the following.

Item	Description
Automatic date & time	Set date and time automatically.
Auto timezone	Enable/disable automatic time zone adjustment.
Set date	Set date manually.
Set time	Set time manually.
Select time zone	Set time zone manually.
Use 24-hour format	Enable/disable 24-hour format.
Choose date format	Set date format.

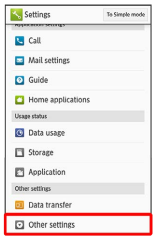
1

In app sheet, (Settings)



2

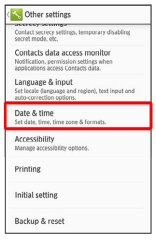
Other settings



Other settings opens.

3

Date & time



Date & time menu opens.

4

Set each item

Setting is complete.

Date & Time Operations

Set Date & Time Automatically

In Date & time menu, Automatic date & time

・Tap Automatic date & time to toggle on (☑)/off (☐).

Enable/Disable Automatic Time Zone Adjustment

In Date & time menu, Auto timezone

・Tap Auto timezone to toggle on (☑)/off (☐).

Set Date Manually

In Date & time menu, Set date → Select date → OK

・Available when Automatic date & time is disabled.

Set Time Manually

In Date & time menu, Set time → Select time → OK

・Available when Automatic date & time is disabled.

Set Time Zone Manually

In Date & time menu, Select time zone → Tap country, area or city name

・Available when Auto timezone is disabled.

Enable/Disable 24-hour Format

In Date & time menu, Use 24-hour format

・Tap Use 24-hour format to toggle on (☑)/off (☐).

Set Date Format

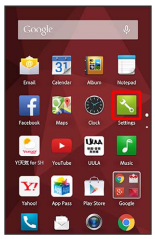
In Date & time menu, Choose date format → Tap option

Accessibility Settings

Make settings for user accessibility.

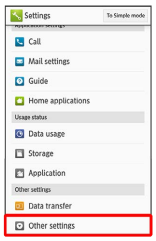
1

In app sheet, (Settings)



2

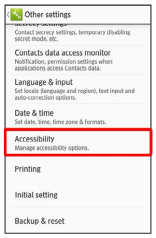
Other settings



Other settings opens.

3

Accessibility



Accessibility window opens.

4

Set each item

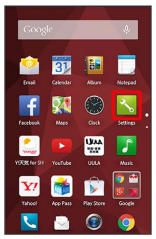
Setting is complete.

Printing Settings

Make settings for cloud printing.

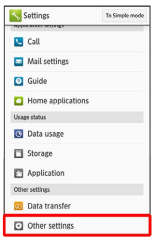
1

In app sheet, (Settings)



2

Other settings



Other settings opens.

3

Printing

Printing window opens.

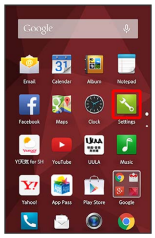
・Follow onscreen prompts.

Initial Setting

Make initial settings at first handset activation later manually.

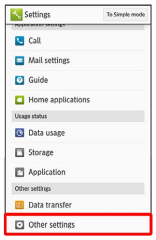
1

In app sheet, (Settings)



2

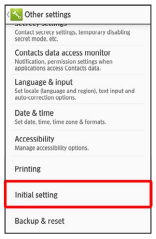
Other settings



Other settings opens.

3

Initial setting



Initial settings open.

・Alternatively, use Initial Setting application to make settings.

4

Next → Set each item

Setting is complete.

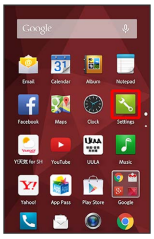
Backup & Reset

Back up application data and handset settings including Wi-Fi password to Google server, or delete all handset memory files.

・Reset all deletes all handset memory files including some preinstalled applications irreversibly. Back up important data before performing Reset all.
・Deleted content cannot be restored. Reset with caution.

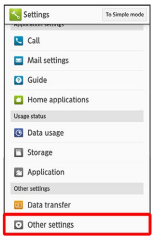
1

In app sheet, (Settings)



2

Other settings



Other settings opens.

3

Backup & reset

Backup & reset menu opens.

4

Set each item

Setting is complete.

Backup & Reset Operations

Back Up Data

In Backup & reset menu, Back up my data

・Tap Back up my data to toggle on ( )/off ( ).
・If confirmation appears, follow onscreen prompts.

Set Account for Backup

In Backup & reset menu, Backup account Select account

・Available when Back up my data is enabled.

Enable/Disable Automatic Restore

In Backup & reset menu, Automatic restore

・Tap Automatic restore to toggle on ( )/off ( ).
・Available when Back up my data is enabled.

Perform Reset All

In Backup & reset menu, Reset all Enter Operation Password OK Read message Reset phone Erase everything

・To delete all SD Card files simultaneously, Tap Delete data in microSD as well. ( ).

For Assistance

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File Storage

File Save Location

・Use handset memory and SD Cards to save files. See "Handset Memory & SD Card" for more about SD Cards including insertion/removal procedure.
・Depending on file type, save locations of created files may be changed. Change save locations from corresponding applications. See below for main file types and default save locations.

File Type	Description
Contacts, Bookmark, Calendar, Mail, Notepad, TV programs	Created files are saved to handset memory. Save locations are fixed.
Still images (photos), videos	Created files are saved to handset memory.

Backup & Restore

Backup/Restore Options

Backup and restore options are the following.

Option	Description
Anshin Backup	Back up files to cloud server or SD Cards, and restore to handset as needed. See "あんしんバックアップアプリを利用する (http://help.mb.softbank.jp/aquos-crystal-x/pc/09-08.html)" (Japanese) for details.
Corresponding applications	Depending on application, backup/restore settings can be changed.
Settings	Back up or restore files to/from SD Cards via Settings. See "Data Transfer" for details.
Transfer to other devices (e.g., PCs)	Connect handset to a PC or other device and transfer files to it.

Troubleshooting

Check Here First

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

Troubleshooting

Q. Handset does not power on

A. Are you Long Pressing ⏻ ? Press ⏻ until the logo appears.

A. Is handset recharged? Recharge handset if not charged.

Q. Handset suddenly powers off/does not power on

A. If handset continues to be used while warm, a caution appears and handset powers off after 3 minutes. Exit all applications and turn off Display to let handset cool down.

Q. Handset freezes/operation is unstable

A. If handset stops operating or no longer accepts input, force-shut down handset.

⏻ (Long Press for at least 8 seconds)

・Release ⏻ once handset vibrates; handset powers off.

Q. Operation is unstable after a new application was installed

A. The newly installed application may be the cause. Uninstall the application in Safe mode. See "Uninstalling Applications." To power on handset in Safe mode:

⏻ (Long Press) → Touch & Hold Power off → Check Display, OK

・After powering on in Safe mode, "Safe Mode" appears at lower left.
・After restarting in Safe mode, handset can be powered on as usual.
・Before powering on handset in Safe mode, it is recommended that you back up important data.
・By powering on handset in Safe mode, added widgets may be deleted.

Q. Handset initiates operation without operating Touchscreen / Handset does not respond after operating Touchscreen

A. Press ⏻ to turn off screen, Press ⏻ again to turn on screen and then operate handset.

Q. Cannot use Phone, email, or Internet

A. Check whether you are where signal is weak or are out of service area.

A. Power on handset again.

A. Is Airplane mode set? If ✈ appears in Status Bar, to cancel Airplane mode :

⏻ (Long Press) → Airplane mode

A. Is data communication disabled? To check whether Data transmission is enabled:

In app sheet, (Settings) → Other settings → Network settings → Mobile networks → Data transmission

A. Is a disabled access point set? To return to initial settings:

In app sheet, (Settings) → Other settings → Network settings → Mobile networks → Access Point Names → ☰ → Reset to default

---

Q. Battery level goes down quickly

A. Are you where signal is weak or have been out of service area for a long period? Calling where signal is weak or being out of service area uses a lot of battery.

A. The following shorten handset usage time: frequent use of Mobile Light, sound-emitting functions/ operations, frequent communication, etc. with an external device, brightening Display, setting a long Display-on time. Use Energy saving settings to reduce unneeded battery consumption. See "Using Energy Saving Settings" for details.

Q. Cannot install applications

A. Is there only a little free space on handset memory? To check free space:

In app sheet, (Settings) → Storage

A. Applications not supported by handset cannot be installed.

Q. Display suddenly dims

A. Display dims automatically when handset becomes warm. Display returns to original brightness once handset cools down.

Q. Cannot unlock screen

A. If handset stops operating or no longer accepts input, force-shut down handset.

⏻ (Long Press for at least 8 seconds)

・Release ⏻ once handset vibrates; handset powers off.

Q. Cannot charge / Charging takes time

A. Is Micro USB plug on AC Charger firmly inserted in handset? Remove and then reinsert firmly.

A. Is AC Charger firmly plugged into a household AC outlet? Unplug and plug in again firmly.

A. Are you using a non-specified AC Charger? Always use a specified product. Using an unspecified product not only prevents charging, but may also affect Internal Battery.

A. Is Notification Lamp blinking? Handset is not being charged. Use a specified charger and charge handset. If charging is still not possible, contact Customer Service or a SoftBank Shop.

A. Is Micro USB plug on AC Charger soiled? Clean terminals with a clean, dry cotton swab, etc. before charging.

A. Are you recharging by USB? Recharging by USB takes longer than with AC Charger. You may also not be able to recharge depending on the connection environment.

Q. Recharging stops / Recharging does not start

A. Recharging stops automatically if handset becomes warm. Recharging starts again once handset cools down.

Q. USIM Card is not recognized

A. Is USIM Card installed properly? Is it installed in the right location and orientation? Turn off handset, check whether USIM Card is installed properly, and then turn handset on again. If this does not remedy the problem, USIM Card may be damaged.

A. Are there any fingerprints, etc. or other soiling on the (gold) IC chip on USIM Card? Remove USIM Card, wipe with a clean, dry cloth, and install it again properly.

A. Is wrong USIM Card installed? An unusable USIM Card may be installed. Make sure that the right USIM Card is installed.

Q. Cannot recharge by USB

A. Is the computer turned on? You cannot recharge if the computer is not turned on.

A. Are you using a USB hub? You may not be able to recharge if using a USB hub. Connect the optional Micro USB Cable to the computer.

Q. Cannot make a call / Calls do not connect

A. Is Airplane mode set? If appears in Status Bar, to cancel Airplane mode :

(Long Press) Airplane mode

A. Did you dial all digits for the number? Dial all digits for numbers starting with a "0" area code, etc.

A. Are you where handset receives a signal? Check signal, change locations and call again.

Q. Cannot hear the other party

A. Is the call volume low? Press Volume Up Key during a call to turn the call volume up.

A. Is handset set to always use a handsfree device for calls? To check whether Handsfree setting is disabled:

In app sheet, (Settings) Bluetooth Handsfree setting

・Can be checked when Bluetooth is enabled.

Specifications

Handset

Handset specifications are as follows.

・Times below were measured with Brightness set to medium.
・Times below vary with location, status, settings, etc.
・Display employs precision technology; however, some pixels may remain on/off.

Item	Description
Weight	Approx. 157 g (with Internal Battery)
Internal Battery Capacity	2,610 mAh
Continuous Talk Time[1]	3G: Approx. 850 minutes GSM: Approx. 700 minutes VoLTE: Approx. 950 minutes
Continuous Standby Time[2]	3G: Approx. 840 hours GSM: Approx. 650 hours 4G (AXGP Network): Approx. 600 hours 4G (FDD-LTE Network): Approx. 650 hours
One Seg Continuous Viewing Time[3]	Approx. 9 hours
Charging Time[4]	AC Charger (SHCEJ1): Approx. 190 minutes AC Charger (ZTDAC1; Micro USB, 1.0 A): Approx. 190 minutes
Dimensions (W x H x D)	Approx. 73 mm x 139 mm x 11 mm (without protruding parts)
Maximum Output	3G: 0.25 W GSM (900 MHz): 2 W GSM (1800 MHz, 1900 MHz): 1 W 4G: 0.2 W
Maximum Transmission Speed[5]	SoftBank 4G: 110 Mbps in downlink, 10 Mbps in uplink SoftBank 4G LTE: 112.5 Mbps[6] in downlink, 37.5 Mbps in uplink

1 Average measured with handset fully charged, in strong signal conditions at rest.
2 Average measured with handset fully charged, without calls or operations, in strong signal conditions at rest, and with Data transmission and Urgent News disabled. May vary with battery strength, ambient temperature, settings, etc.
3 Calculated with Clari-Fi sound setting on, LiveStage off, display in full-screen landscape mode, with Headphones with Mic (optional accessory), and volume at maximum, starting from handset fully-charged and continuing until 10% remaining battery charge. Usable time may vary with radio signal conditions and the content played.
4 Measured with power off using AC Charger.
5 Provided on a best-effort basis; transmission speed may decrease or transmission may become unavailable due to traffic conditions, network environment, etc. In addition, transmission speed varies by area.
6 Depending on area, maximum downlink speed is set to 75 Mbps or 37.5 Mbps.
For Network coverage information, see SoftBank Mobile Website (such information may be available in Japanese only).

One Seg Antenna Cable

Item	Description
Cable Length	Approx. 140 mm
Weight	Approx. 5 g
4-Pole Mini-Plug	Round type, diameter 3.5 mm, 4-pole
Materials Used/Surface Finish	Olefin-based elastomer resin + styrene-based elastomer resin + PBT resin + PA resin + POM resin + PP resin + Ni base + phosphor bronze + brass/gold plating

Materials

Parts	Material/Finishing
Cabinet (Display-side)	PA resin + GF resin/evaporated, UV coating
Cabinet (Back)	PC resin/coated
Battery Cover	PC resin/coated, UV coating
Power Key	Aluminum/anodizing
Volume Up/ Down Key	PC resin/evaporated, UV coating
Headphones Ornament	Aluminum/alumite treatment
Display	Acrylic resin/UV hard coating printing
Camera Window	Tempered glass/anti-soiling treatment
Camera Ornament	Aluminum/anodizing
Mobile Light Window	PC resin
USIM Card Slot	Stainless steel/tin plating
SD Card Slot	Stainless steel/tin plating
Protective Sheet	PC resin/printed
Speaker Screen	PE/dyed
Speaker Sheet	PET
External Device Port	Stainless steel/tin plating
Screws	Iron/chrome plating

Warranty & After-Sales Service

Warranty

Handset purchase includes warranty.

・Check shop name and purchase date.
・Read warranty and keep in a safe place.
・Warranty period is given in warranty.

Cautions

Damages

SoftBank Mobile Corp. is not responsible for any damages for user or third party resulting from lost opportunities to make a call, etc. due to breakage, malfunction, or trouble of product.

Malfunction/Repairs

Information/settings on handset may be lost/changed due to malfunction or repairs. It is recommended that you keep a copy of Address Book contacts and other important information. SoftBank Mobile Corp. is not responsible for loss/change of data (contacts, images, sound, etc.) or settings due to malfunction, repairs, change of model, or any other handling.

Disassembly/Modification

Disassembly/modification of handset is prohibited under the Radio Law. Note that handset cannot be accepted for repairs if modified.
Adhering stickers, etc. on Display or Keys or adhering decorations with glue, etc. may be deemed to be modifications, and prevent acceptance of handset for repairs.

After-Sales Service

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

・During the warranty period, repairs are made under the terms and conditions of the warranty.
・After the warranty period, if handset can be repaired, repairs will be made at cost.

Further inquiries

For more information on after-sales service, contact a nearby SoftBank Shop or Customer Service.

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 +81-92-687-0025 (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 show degree of risk from improper use; learn them before reading on:

Label	Description
⚠DANGER	Great risk of death or serious injury
⚠WARNING	Risk of death or serious injury
⚠CAUTION	Risk of minor injury or damage to property

These symbols signify prohibited/compulsory actions; learn them before reading on:

Symbol	Description
	Risk of injury from heat
	Prohibited actions
	Disassembly prohibited
	Exposure to liquids prohibited
	Use with wet hands prohibited
	Compulsory actions
	Unplug from outlet

Handset, USIM Card, One Seg Antenna Cable, Charger (Optional Accessory), Micro USB Cable (Optional Accessory), SD Card (Optional Accessory) (Common)

⚠DANGER

Use specified Charger and Micro USB Cable only.

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

Do not disassemble, modify or solder handset or related hardware.

May cause fire, injury, electric shock or malfunction. Internal Battery may leak, overheat, burst, ignite, etc. Modifying handsets is prohibited by the Radio Law and subject to penalty.

Do not wet.

If liquid (water, pet urine, etc.) enters, leaving wet or charging while wet may cause overheating, electric shock, fire, injury, malfunction, etc.
Use only as directed.

Do not charge, use, or leave handset or related hardware in extreme heat (fire, heat sources, direct sunlight, inside vehicles in the hot sun, etc.).
Do not charge, leave, use, or be carrying handset or related hardware in a warm place or where heat collects, such as under a kotatsu (blanketed warming table) or electric blanket, next to a kairo (worn warming patch), etc.

May cause warping/malfunction; Internal Battery may leak, overheat, ignite or burst. Handset or related hardware may become hot to the touch, leading to burns or other problems.

Do not force Charger into handset. Check Micro USB plug orientation; retry.

Internal Battery may leak, overheat, burst, ignite, etc. May damage or burn out External Device Port.

When handset is connected to Charger, do not apply excessive force by stomping or in any other way.

When Port or connector is damaged, charging may cause malfunction or fire. Charge as directed.

⚠ WARNING

Do not place handset or Charger in/on ovens, microwave ovens, pressure cookers, induction stoves or other cooking appliances.

Internal Battery may leak, overheat, burst or ignite. Handset/Charger may overheat, emit smoke, ignite, malfunction, etc.

Keep handset off and Charger disconnected near gas stations or places with fire/explosion risk.

May ignite gas. Turn off any NFC (including Osaifu-Keitai®) compatible mobile phone when using gas station facilities (If NFC (including Osaifu-Keitai®) is locked, unlock before turning mobile phone off).

Do not drop/throw or subject to strong impact.

Internal Battery may leak, overheat, burst or ignite, resulting in fire, electric shock, malfunction, etc.

If you notice unusual sound/odor, smoke or any other abnormality, follow these steps.

1. Grasp plug and disconnect Charger. Handset or related hardware may be hot to the touch; remove handset from Charger, being careful not to burn yourself.
2. Power off, being careful not to burn or injure yourself.
Use in an abnormal condition may cause fire, electric shock, etc.

Keep External Device Port or Headphone Port away from liquids (tap water, beverage, sea water, pet urine, etc.) and conductive materials (pencil lead, metal strip/jewelry, hairpin, etc.).

Also, do not let liquids or conductive materials enter External Device Port or Headphone Port.

May cause fire, burns, malfunction, etc. due to short-circuiting.

Do not use Charger in high humidity or near water (in bathrooms, shower rooms, etc.).

May cause fire, electric shock or malfunction.

⚠CAUTION

Do not place handset or related hardware on unstable surfaces; take added care when Vibration is set or while charging.

Handset or related hardware may fall, resulting in injury, malfunction, etc. A fall while charging may cause damage to connector.

When removing Charger from handset, hold by Micro USB plug and do not pull cord/cable.

Pulling plug by cord/cable may damage cord/cable or connector and cause fire, electric shock, etc.

For any skin irritation associated with use, discontinue use and consult a doctor.

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

Do not touch handset or Charger for long periods during charging.

May cause low-temperature burns.

Keep handset and related hardware away from infants and pets.

Infants and pets may choke from swallowing handset or related hardware or be injured, etc.

For use of handset/related hardware by child, explain instructions and supervise use.

Misuse may cause injury or other problems.

Internal Battery

⚠DANGER

Read label on Protective Sheet to confirm battery type; use/dispose of Internal Battery accordingly.

Symbol on Label	Battery Type
Li-ion00	Lithium-ion

Do not dispose of handset in fire.

Internal Battery may leak, burst, ignite, etc.

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

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

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

Eyes may be severely damaged.

⚠ WARNING

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

May cause skin damage.

If charging continues even after specified Charging Time, stop charging.

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

For abnormal odor, excessive heat, discoloration or distortion, move handset away from sources of flame, being careful not to burn or injure yourself.

Continued use may cause Internal Battery to leak, overheat, burst, ignite, etc.

Do not let your pet bite handset; if this occurs, do not use that handset.

Pet bites may cause Internal Battery to leak, overheat, burst or ignite. May cause handset/related hardware to malfunction, or fire may result.

⚠ CAUTION

Do not dispose of handset with ordinary refuse.

Battery is built into handset; take handset to a SoftBank Shop for appropriate disposal.

Handset

⚠ WARNING

Handset Display uses acrylic resin.

Do not subject to shock (dropping, etc.) or excessive force.

May cause Display to break and scatter pieces.
If Display breaks, be careful not to directly touch shards or broken parts of Display.
May cause injury.

Handset Camera uses glass.

Do not subject to shock (dropping, etc.) or excessive force.

May cause Camera to break and scatter pieces. If Camera breaks, be careful not to directly touch shards or broken parts of Camera. May cause injury.

Do not use handset while driving or cycling.

Accidents may result.
Phone use while driving or cycling is prohibited by law and subject to penalty; park legally beforehand.

Power off near electronic devices that employ high precision control systems or weak signals.

May cause electronic malfunctions or other problems. Take added care near these devices: Hearing aids, implanted pacemakers/defibrillators and other electronic medical equipment; fire alarms, automatic doors and other automatic control devices.

Inside aircraft, follow airline instructions regarding handset use.

Radio waves from handset may interfere with flight safety.

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

May cause heart damage.

If thunder is audible while outdoors, power off; find cover.

There is a risk of lightning strike or electric shock.

Do not shine Mobile Light in eyes.

May temporarily affect eyesight or startle, leading to accidents.

Do not cover/wrap handset with a cloth or blanket while charging. In addition, do not leave handset covered with a cloth or blanket when going to bed.

Heat may collect, resulting in fire, burns, malfunction, etc.

⚠ CAUTION

Protective Sheet may be hot to the touch while power is on or immediately after powering off. When removing Battery Cover, power off and wait until handset cools down.

May cause burn injuries.

Do not peel, damage or subject Protective Sheet to impact.

There are Battery and precision parts under Protective Sheet.
Do not peel, damage or subject it to impact; may cause malfunction, overheating, ignition, electric shock, impairment, burn injuries, etc.

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

Handset use inside vehicles may cause electronic equipment to malfunction, resulting in accidents.

Keep handset away from magnetic items (e.g., magnetic cards).

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

Handset may become hot during prolonged use in extreme heat (fire, heat sources, direct sunlight, inside vehicles, etc.), or in a warm place or where heat collects, such as under a kotatsu (blanketed warming table) or electric blanket, next to a kairo (worn warming patch), etc.

Prolonged contact with skin may cause burns.

When using handset for an extended period (e.g., to play game applications) while charging, handset and Charger may become hot; avoid prolonged contact with hot parts.

May cause burns or other problems.

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

Excessive volume may damage ears or hearing.

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

May deteriorate vision.

Moderate handset Volume when using Headphones.

Excessive volume may damage ears or hearing.

Charger (Optional Accessory)

⚠WARNING

Do not cover/wrap Charger with a cloth or blanket while charging. In addition, do not leave Charger covered with a cloth or blanket when going to bed.

Heat may collect, resulting in fire, burns, malfunction, etc.

Use only the specified voltage.

Non-specified voltages may cause fire, malfunction, etc.
・AC Charger: AC 100 V - 240 V Input
・In-Car Charger (use in negative earth vehicles only): DC 12 V/24 V Input
Do not use power adapters designed for overseas travel. Transformer use may cause fire, electric shock or malfunction.

Unplug Charger when not in use; grasp plug and disconnect it.

If a foreign object/liquid adheres to blades, or if blades get stomped while Charger is plugged in, electric shock, fire or malfunction may result.

If liquid (water, pet urine, etc.) gets inside, grasp plug and disconnect Charger immediately.

May cause electric shock, smoke or fire.

To remove debris, grasp plug and disconnect Charger, then clean with a dry cloth.

Fire may result.

Plug Charger firmly into the outlet, keeping the plug and connector away from conductive material (pencil lead, metal strip/jewelry, etc.).

May cause fire, burns, malfunction, etc. due to electric shock or short-circuiting.

Do not touch Charger plug or connector with wet hands.

May cause electric shock, malfunction, etc.

Do not touch Charger if thunder is audible.

May cause electric shock or other problems.

Do not use In-Car Charger in positive earth vehicles.

May cause fire or other problems. Use in negative earth vehicles only.

Use only the specified fuse for In-Car Charger.

Non-specified fuse may cause fire or malfunction. See In-Car Charger manual for details.

⚠ CAUTION

Before cleaning, grasp plug and disconnect Charger.

May cause electric shock or other problems.

Always grasp plug (not cord/cable) to disconnect Charger.

Pulling plug by cord/cable may damage cord/cable and cause electric shock, fire, etc.

When Charger is connected to a power strip, do not apply excessive force by stomping or in any other way.

May cause fire or malfunction.

Do not subject Charger to strong impact while it is plugged in.

May cause malfunction or injury.

Keep hands and other body parts away from blades.

May cause burns, electric shock, injury or malfunction.

One Seg Antenna Cable

⚠ WARNING

If cord is damaged, do not use One Seg Antenna Cable.

May cause fire, electric shock, or burn injuries.

Do not place heavy objects on top of One Seg Antenna Cable.

May cause fire, electric shock, or burn injuries.

Do not touch One Seg Antenna Cable with wet hands.

May cause fire, electric shock, or burn injuries.

Clean off dust adhering to plug of One Seg Antenna Cable.

May cause fire, electric shock, or burn injuries.

When disconnecting One Seg Antenna Cable from handset, grasp plug and pull, without forcefully pulling cord.

May cause fire, electric shock, or burn injuries.

⚠ CAUTION

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

May cause fire, electric shock, or burn injuries.

Do not swing handset grasping One Seg Antenna Cable.

May result in hitting yourself or other persons, causing injury or other accident.

Handset Use & Electronic Medical Equipment

This section is based on "Guidelines for Use of Mobile Phones and Other Devices in Hospitals" (Electromagnetic Compatibility Conference, August 2014) and "Guidelines to safeguard implanted medical devices against radio emissions from the use of radio equipment" (Ministry of Internal Affairs and Communications).

⚠ WARNING

Persons with implanted pacemaker/defibrillator should keep handset more than 15 cm away.

Radio waves may interfere with implanted pacemakers or defibrillators.

Before using electronic medical equipment other than implanted pacemaker/defibrillator outside medical facilities, consult the vendor on radio wave effects.

Radio waves may interfere with electronic medical equipment.

If it may not be possible to keep handset 15 cm away from other persons (e.g., in a crowded situation where you cannot move freely), suspend signal-transmitting functions (e.g., by activating Airplane mode) or power off beforehand. If an application that automatically powers handset on is installed, disable that feature before powering off. Persons with implanted pacemaker/defibrillator may be near.

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

Observe these rules inside medical facilities to avoid effects of radio waves on electronic medical equipment:

・Follow instructions regarding mobile phone use within medical facilities.
・Always turn off handset within operating rooms, intensive care units (ICU), etc.
・Even in patient rooms, lobbies, or other locations where mobile phone use is permitted, keep handset at a reasonable distance away from electronic medical equipment.

Important Product Information

General Use

・If your USIM Card or handset (with USIM Card inserted) is lost or stolen, suspend your service immediately. For details, contact SoftBank Customer Support, General Information.
・Handset transmissions may be disrupted inside buildings, tunnels or underground, or when moving into/out of such places; may affect calls.
・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.
・Charging by USB takes longer than by household AC outlet. Charging may not be possible/take a long time depending on connection and computer conditions.
・Handset use near landlines, TVs or radios may cause interference.
・Beware of eavesdropping.
Because this service is completely digital, the possibility of signal interception is greatly reduced. However, some transmissions may be overheard.
・Eavesdropping
Deliberate/accidental interception of communications constitutes eavesdropping.
・Beware of harmful/malicious websites. Take added care when posting personal information.
・Display uses liquid crystal.
When wearing polarized sunglasses and depending on the angle, the screen may appear dark or distorted.
・An export license may be required to carry handset into other countries if it is to be used by or transferred to another person. However, no such license is required when taking handset abroad for personal use on a vacation or business trip and then bringing it back.
Export control regulations in the United States provide that an export license granted by the US government is required to carry handset into Cuba, Iran, North Korea, Sudan or Syria.

Heat from Handset Use

・Handset internal temperature may increase depending on usage or environment, causing housing to heat up. (Handset may stop charging or Display brightness may be adjusted for safety.)
After a period of handset use under such conditions, warning appears and handset shuts down after approximately 3 minutes. To lower handset internal temperature and prevent automatic shutdown, exit all applications and activate Screen lock.
・After a period of Camera use at high internal temperature, warning appears and handset automatically shuts down. (Shot image is saved.)

Camera

・Mind etiquette when using Camera.
・Test Camera before shooting special moments.
・Do not use Camera in places where shooting is prohibited.
・Shot images may not be used/transferred without copyright holder (photographer) permission, except for personal use.

One Seg

・Handset transmissions may be disrupted inside buildings, tunnels or underground, or when moving into/out of such places; may affect One Seg viewing.
・As handset transmissions differ according to where used, One Seg viewing may not be possible in some areas. View in a location with good handset transmission.

In-Call/Transmission Cautions

・During calls/transmissions, calling/transmission charges/fees apply even if other functions or operations are simultaneously in use.
・Transmissions involving JavaScript may incur high charges.

Urgent News (Application)

・Handset receives alerts by default (Urgent News Incoming Setting is enabled).
・Alert tones sound even in Manner mode.
・Alerts are not received during calls/transmissions or in poor signal conditions.
・Depending on usage/situation, handset may receive alerts for other areas or no alerts.
・Standby Time may decrease when Urgent News Incoming Setting is enabled.
・SoftBank Mobile Corp. cannot be held liable for any damages associated with this service, including accidents resulting from received information, reception timing or reception failure.

Handset & Hardware Care

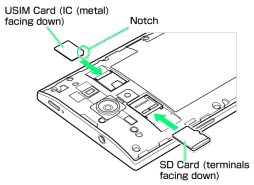
Handset & Hardware Care

・Handset and One Seg Antenna Cable are not waterproof. Do not expose to water or leave in high humidity.
　・When walking in the rain, do not place in an outside bag pocket or carry in your hand.
　・Do not place near an air conditioner vent. A sudden temperature change may cause condensation and cause corrosion of the handset interior.
　・Do not place in your clothes when at a sink, etc. Leaning over or other posture while placed in pocket, etc. may cause handset to fall into sink and e exposed to water.
　・When at a shore, etc., be sure to keep in a bag, etc. to avoid exposure to splashing and direct sunlight.
　・Do not touch with sweaty hands or place in a pocket of sweaty clothes. Hand and body sweat can enter phone and cause malfunction.
・To prevent condensation when moving from a cold location to a warm location, warm handset to room temperature, and then bring it in.
・Use handset within 5°C - 35°C and 35% - 90% humidity.
・Avoid extreme temperature or direct sunlight.
・Handset/Internal Battery may become warm during operation or while charging. This is normal.
・Warranty does not cover malfunctions resulting from misuse.
・Clean handset with a soft dry cloth. Alcohol/solvent use may fade color/print.
・Avoid scratching Display.
・Avoid heavy objects or excessive pressure. May cause malfunction or injury.
　・Do not sit on handset in back pants pocket.
　・Do not place heavy objects on handset inside handbags, packs, etc.
・Connect only specified products to Port. Other devices may malfunction or cause damage.
・Do not power off while using SD Card; may result in data loss or malfunction.
・When walking outside, moderate handset Volume to avoid accidents.
・When holding handset, do not block Mic, Speaker, or Recorder Mic.
・Do not cover Light Sensor or place a sticker/label over it; may hinder ambient light detection, resulting in malfunction of Light Sensor.

USIM/SD Card Slot

Insert each card into correct opening in correct orientation.

・Always power off and then remove Battery Cover to install or remove USIM/SD Cards. If handset is hot, wait until it cools down after powering off. Protective Sheet may be hot to the touch.
・Removing USIM Card: From back of USIM Card, push it out, and then carefully remove without bending.
・Removing SD Card: Gently pull it straight out.



Touchscreen

・Touchscreen may not respond in these situations:
　・Use with gloves/long fingernails
　・Use of pens, pencils or sharp objects
　・Use with objects on/against Display
　・Use while wet
・To prevent malfunctions, do not:
　・Touch Display with wet fingers
　・Use if Display is wet
　・Subject Display to force/pressure
　・Put a sticker or shield (commercially-available protective film, privacy protector shield, etc.) on Touchscreen
・If Display is wet, wipe it with a soft cloth.
・To improve response, calibrate Touchscreen as follows.
　In app sheet, (Settings) Device info Adjust touch panel Follow onscreen prompts
・In the following cases, Press [⏻] to activate Screen lock, then Press [⏻] again to cancel it.
　・Handset operates automatically without touch input
　・Handset does not respond to touch input

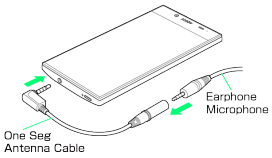
Self Check

If handset is unstable, diagnose the cause as follows.
In app sheet, (Settings) Useful Self check Follow onscreen prompts

One Seg Antenna Cable

Handset is not equipped with an internal One Seg Antenna. To view or record One Seg, connect One Seg Antenna Cable to Headphone Port.

・An earphone microphone can be connected to use with One Seg Antenna Cable.
・Insert plug firmly. If plug is not inserted all the way, broadcasts may not be received or audio may not be heard.
・As connection may be poor if Port is dirty, clean with a dry cotton swab, etc. Avoid damaging Port when cleaning.
・Do not deform One Seg Antenna Cable plug or Headphone Port. Deforming may cause malfunction.
・Bringing headphone cord, etc. close to handset may result in noise.



Headphones

Headphones with Mic (SHLDL1) are available for separate purchase. Other headphone mics may not function properly on handset.

Forcing Power Off

If handset has stopped processing or won't respond to operation, power off forcibly as follows.

・ (Long Press for at least 8 seconds)
Release finger after vibration; handset powers off.

Bluetooth® Function

SoftBank Mobile Corp. is not liable for any damages resulting from data/information leakage due to use of handset Bluetooth® function.

■Precautions
The frequency band utilized by handset Bluetooth® function is shared with industrial, scientific or medical equipment, including household microwave ovens, and used by radio stations, amateur radio stations, etc. (hereafter "other radio stations").
1. Before using Bluetooth®, visually check that no other radio stations sharing the same frequency band are in use nearby.
2. Should interference occur between handset and other radio stations, move it to a different location or cancel Bluetooth® function immediately.
3. For additional information and support, contact SoftBank Customer Support, General Information: From a SoftBank handset, call toll free at 157. To call toll free from a landline/IP phone, see "Customer Service."

・Frequency Band
This radio station utilizes 2.4 GHz band.
FH1 indicates FHSS modulation with maximum transmission radius of 10 meters.
XX4 indicates a different modulation scheme with maximum transmission radius of 40 meters.
It is not possible for the radio station to avoid using the frequency band of a mobile unit identification apparatus.

Wi-Fi (Wireless LAN)

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

・Do not use Wi-Fi near electrical appliances, audiovisual equipment or office automation equipment; may affect Wi-Fi transmission speed, availability, clarity, etc. (Especially when a microwave oven is in use.)
・If there are multiple access points nearby, handset may not detect access points correctly.

■Precautions
The frequency band utilized by handset Wi-Fi is shared with industrial, scientific or medical equipment, including household microwave ovens, and used by radio stations, amateur radio stations, etc. (hereafter "other radio stations").
1. Before using Wi-Fi, visually check that no other radio stations sharing the same frequency band are in use nearby.
2. Should interference occur between handset and other radio stations, move it to a different location or disable Wi-Fi immediately.
3. For additional information and support, contact SoftBank Customer Support, General Information: From a SoftBank handset, call toll free at 157. To call toll free from a landline/IP phone, see "Customer Service."

・Frequency Band
This radio station utilizes 2.4 GHz and 5 GHz band with DSSS-OFDM modulation. Maximum transmission radius is 40 meters.

・Channels in 5 GHz band
Three bands are available within 5 GHz frequency band: 5.2 GHz, 5.3 GHz, and 5.6 GHz (W52, W53, and W56).

・W52 (5.2 GHz band; channels 36, 38, 40, 44, 46, 48)
・W53 (5.3 GHz band; channels 52, 54, 56, 60, 62, 64)
・W56 (5.6 GHz band; channels 100, 102, 104, 108, 110, 112, 116, 118, 120, 124, 126, 128, 132, 134, 136, 140)

Use of 5.2 GHz or 5.3 GHz band (W52/W53) for outdoor communication is prohibited by the Radio Law.

■Simultaneous Use with Bluetooth®
Wi-Fi (IEEE 802.11b/g/n) and Bluetooth® transmit on the 2.4 GHz band. Enabling handset Bluetooth® or using Bluetooth® devices near handset may affect Wi-Fi transmission speed, availability and clarity. Should interference occur, cancel handset Bluetooth® or discontinue Bluetooth® device use.

・Handset supports Wi-Fi channels 1 - 13. Handset does not connect to access points set to other channels.
・Available channels vary by country.
・For use of Wi-Fi aboard aircraft, check with airline beforehand.
・In some countries/regions, there are restrictions on the use of Wi-Fi. Check the local laws and regulations before using Wi-Fi on handset abroad.

General Notes

"402SH" here refers to this mobile phone "AQUOS CRYSTAL X."

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 is applicable to all persons, and the right to publicity, which protects the interests of celebrities. Therefore, photographing others including celebrities and publicizing/distributing their photographs without permission is illegal; use Camera responsively.

Copyrights

Copyright laws protect sounds, images, computer programs, databases, other materials and copyright holders. Duplicated material is limited to private use only. Use of materials beyond this limit or without copyright holder permission may constitute copyright infringement, and be subject to criminal punishment. Comply with copyright laws when using images shot with Camera.

The software contained in handset is copyrighted material; copyright, moral right and other related rights are protected by copyright laws. Do not copy, modify, alter, disassemble, decompile or reverse-engineer the software; do not separate it from hardware in whole or part.

Open Source Software

・Handset contains software based on GNU General Public License (GPL), GNU Lesser General Public License (LGPL), and other licenses.
To check details of relevant software licenses:
In app sheet, (Settings) Device info Legal information Open source licenses
・The source code of software based on GPL, LGPL, and Mozilla Public License (MPL) is provided on the following website free of charge.
https://sh-dev.sharp.co.jp/android/modules/oss/ (Japanese)

CE Declaration of Conformity

In some countries/regions including Europe, there are restrictions on the use of 5 GHz WLAN that may limit the use to indoors only.
If you intend to use 5 GHz WLAN on the device, check the local laws and regulations beforehand.

Hereby, Sharp Telecommunications of Europe Ltd, declares that 402SH is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
A copy of the original declaration of conformity for each model can be found at the following Internet address: http://www.sharp.co.jp/k-tai/

CE 0168 !

Battery Cautions

Use specified Charger only.
Non-specified equipment use may cause Internal Battery to leak, overheat, burst or ignite, and may cause Charger to overheat, ignite, malfunction, etc.
Battery is built into handset. Do not dispose of handset with ordinary refuse; take it to a SoftBank Shop for appropriate disposal.
Charge handset in ambient temperature 5°C - 35°C; Internal Battery may leak/overheat and performance may deteriorate outside this range.

Volume Level Caution

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

■Headphone Signal Level
The maximum output voltage for Music Player function, measured in accordance with EN 50332-2, is 137 mV.

5 GHz WLAN Operation in USA

Within the 5.15-5.25 GHz band, U-NII devices are restricted to indoor operations to reduce any potential for harmful interference to co-channel Mobile Satellite Services (MSS) operations.

FCC Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

■FCC Information to User
This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
1. Reorient/relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

Radio Wave Exposure and Specific Absorption Rate (SAR) Information

【402SH】 here refers to this mobile phone 【AQUOS CRYSTAL X】.

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

This mobile phone 【402SH】 meets the Japanese technical regulations* and international guidelines for exposure to radio waves.
The Japanese technical regulations for exposure to radio frequency energy established permitted levels of radio frequency energy, based on standards developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.
The 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 value given in international guidelines recommended by ICNIRP**, which is in collaboration with the World Health Organization (WHO).
The highest SAR value for this mobile phone is 0.523 W/kg when tested for use at the ear, and 0.425 W/kg*** when worn on the body in the below manner****.
While there may be differences between the SAR levels of various phones and at various positions, all phones meet the Japanese technical regulations.
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 1.5 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 technical regulation is provided in Article 14-2 of the Ministry Ordinance Regulating Radio Equipment.
** International Commission on Non-Ionizing Radiation Protection
*** The value is under simultaneous transmission use conditions.

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)

European RF Exposure Information/FCC RF Exposure Information

This mobile phone 【402SH】 is confirmed to comply with guidelines relating to effects of radio wave exposure as set forth by the Council of Europe (CE) and the Federal Communications Commission (FCC).
Refer to the following.

■European RF Exposure Information
Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health. The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 2.0 W/kg and the highest SAR value for this device when tested at the ear is 0.477 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 0.406 W/kg*.

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

■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 0.45 W/kg, and when worn on the body in a holder or carry case, is 0.48 W/kg.
Body-worn Operation; This device was tested for typical body-worn operations with 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 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 APYHRO00213.

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

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.

World Health Organization
http://www.who.int/emf
List of Specific Absorption Rates (SAR) for radio waves by smartphone/3G model
http://www.softbank.jp/mobile/support/sar/ (Japanese)

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AQUOS CRYSTAL X User Guide

February 2015, First Edition
SoftBank Mobile Corp.

Visit SoftBank Shop for assistance

Model : AQUOS CRYSTAL X
Manufacturer : SHARP CORPORATION