SoftBank

201HW User Guide

201HW User Guide Contents

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Appendix

Safety Precautions

Introduction

Thank you for purchasing SoftBank 201HW.

Before You Begin

· SoftBank 201HW is referred to as "handset" in this guide.
· Read "Safety Precautions" and this guide thoroughly beforehand for proper usage.
· Accessible services may be limited by contract conditions or service area.
· Unauthorized copying of any part of this guide is prohibited.
· Guide content subject to change without prior notice.
· Contact SoftBank Customer Support, General Information if you find inaccuracies.

Guide Usage Notes

· Most operation descriptions are based on default settings.
· Unless noted otherwise, descriptions are for Home Screen.
· Some operation descriptions may be omitted.
· In this guide and on handset, "abroad" means "outside Japan" with regard to handset/service usage.
· In this guide, microSD/microSDHC Card is referred to as "SD Card."

Screenshots & Key Labels

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

Accessing Guide on Handset

Access this Guide on handset via Guide icon in Launcher or via Guide indicator on Status Bar. Guide indicator appears on Status Bar by default. Follow these steps to hide Guide indicator:

Access Guide ➔ ☰ ➔ Indicator ➔ off ➔ Back

Getting Started

Package Contents

Package Contents

・Handset (SoftBank 201HW)

・Battery (HWBAS1)

・AC Charger (HWCAL1)

・Micro USB Cable (HWDAL1)

・Earphone with Mic (HWLAL1)

・4 GB microSD Card (Complimentary Sample)

・クイックスタート (Japanese)

・お願いとご注意 (Japanese)

・Warranty (Japanese)

Parts & Functions

Front/Top/Bottom

Part	Description
1 Front Camera	Capture self portraits, etc.
2 Notification Lamp	Illuminates/flashes for incoming calls, Battery level, etc.
3 Earpiece	Hear the other party's voice here
4 Light/ Proximity Sensor	Detects surrounding brightness/prevents Touchscreen misoperation during call
5 External Device Port	Connect Micro USB Cable
6 Touchscreen Display	Tap, Swipe/Flick, etc.
7 Mic	Speak here for calls

Part	Description
1 Headphone Port	Connect headphones
2 Noise Cancellation Port	Clarify other party's voice
3 Camera	Capture images
4 Speaker	Ringer and Speakerphone sound from here
5 Flash	Used by Camera
6 Battery Cover	Access SD/USIM Card or Battery

Handset Keys

Part	Description
1 ⬜⏻	Toggle Display Backlight on/off Long Press for power on/off
2 ⬜➕ / ⬜➖	Adjust Volume
3 ↩	Go Back/Escape
4 ⌂	Return to Home Screen. Long Press for recent applications
5 ≡	Show Menu options

USIM Card Installation

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

Inserting USIM Card

1

Remove Battery Cover

· Use notch (○) to lift Battery Cover.

2

Remove Battery

· Use notch (○) to lift Battery.

3

Insert USIM Card

· Slide in gently with notch (○) as shown and gold IC chip down.

4

Insert Battery

· Slide in **1** with handset and Battery terminals aligned (○) and press in **2** .

5

Close Battery Cover

· Press and close firmly as shown leaving no gaps.

Removing USIM Card

1

Remove Battery Cover

· Use notch (○) to lift Battery Cover.

2

Remove Battery

· Use notch (○) to lift Battery.

3

Remove USIM Card

4

Insert Battery

· Slide in **1** with handset and Battery terminals aligned (○) and press in **2** .

5

Close Battery Cover

· Press and close firmly as shown leaving no gaps.

SD Card Installation

Handset accepts a microSDHC/microSD Card up to 32 GB. Some SD Cards may not operate properly.

Inserting SD Card

Always power off first.

1

Remove Battery Cover

・Use notch (○) to lift Battery Cover.

2

Remove Battery

・Use notch (○) to lift Battery.

3

Insert SD Card

・Slide in SD Card as shown.
・Do not insert other objects.

4

Insert Battery

・Slide in **1** with handset and Battery terminals aligned (○) and press in **2** .

5

Close Battery Cover

・Press and close firmly as shown leaving no gaps.

Removing SD Card

Always perform Unmount SD Card and power off first.

1

Remove Battery Cover

· Use notch (○) to lift Battery Cover.

2

Remove Battery

· Use notch (○) to lift Battery.

3

Remove SD Card

4

Insert Battery

· Slide in **1** with handset and Battery terminals aligned (○) and press in **2**.

5

Close Battery Cover

· Press and close firmly as shown leaving no gaps.

Formatting SD Card

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

· Format Card deletes all SD Card files, even those created on other devices.
· Charge Battery or install a charged Battery beforehand.

1

In Home Screen, ☰ ➡ System settings

2

Storage

3

Erase SD card

4

Erase SD card

5

Erase everything

🏁 Handset erases all SD Card files.

⚠️ **Important SD Card Usage Notes**

Back Up Your Files

SoftBank Mobile is not liable for any damages resulting from accidental loss/alteration of information. Keep a copy of contacts, etc. in a separate place.
Never power off or remove Battery while files are being accessed.

Low Battery Warning

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

Battery Installation

Always power off before removing Battery.

Inserting Battery

1

Remove Battery Cover

・Use notch (○) to lift Battery Cover.

2

Insert Battery

・Slide in **1** with handset and Battery terminals aligned (○) and press in **2** .

3

Close Battery Cover

・Press and close firmly as shown leaving no gaps.

Removing Battery

1

Remove Battery Cover

· Use notch (○) to lift Battery Cover.

2

Remove Battery

· Use notch (○) to lift Battery.

3

Close Battery Cover

· Press and close firmly as shown leaving no gaps.

⚠ Battery Cautions

Battery Care

Charge Battery at least once every six months; uncharged Battery may die or affect files/settings.

Bulges

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

Replacing Battery

Replace Battery if operating time shortens noticeably.

Cleaning Handset Terminals

Clean device handset terminals with dry cotton swabs.

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.

Charging Battery

Battery must be inserted in handset to charge it.

AC Charger

1

Insert Micro USB Cable into AC Charger

2

Connect Micro USB Cable

3

Plug in AC Charger

Notification Lamp illuminates red/orange while charging. Notification Lamp illuminates green when Battery is full.

4

Unplug Charger

· Unplug and disconnect Micro USB Cable from handset.

USB Charging

· Power on handset and PC first.
· Battery may not charge or charge slowly depending on PC status/environment.

1

Connect Micro USB Cable

2

Connect Micro USB Cable to PC USB port

Notification Lamp illuminates red/orange while charging. Notification Lamp illuminates green when Battery is full.

3

Disconnect Micro USB Cable from handset

Power On/Off

Power On

1

⏻ (Long Press)

🏁 Cancel Screen Lock window appears.

· Initial setup menu opens before Home Screen appears after powering on for the first time.

Power Off

1

⏻ (Long Press)

2

Power off

🏁 Handset shuts down.

Touchscreen Operations

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

Tap

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

Touch & Hold

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

Drag

Drag item (e.g., Touchscreen unlock slider) to move it.

Swipe/Flick

Swipe/Flick to toggle sheets, pages, etc.

Pinch/Spread

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

Basic Operations

Basic Operations

Home Screen & Launcher

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

Handset Navigation

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

· Press ⬅ to go back or escape.

Menu Operations

Press ☰ for options. Alternatively, Touch & Hold Display for settings.

Handset Settings

In Home Screen, Press ☰ and Tap System settings to customize settings.

Handset & Display Orientation

In most cases, Display orientation changes with handset orientation.

· Some application content may not change with handset orientation.

Capturing Screenshots

Long Press ⬤ and ▭ at the same time with SD Card inserted to capture a screenshot of current Display.

· Open captured screenshots from Screenshots album, etc. in Gallery.

R

st

Airplane Mode

Disable all signal-transmitting functions while powered on.

1

🔲 (Long Press)

2

Airplane mode

🏁 Airplane mode is set.

· Long Press Power Key again to cancel.

Text Entry

Keyboards

Use onscreen keyboards for text entry. In 10-Key Keyboard, multiple characters are assigned to each key. In QWERTY Keyboard, single characters are assigned to each key.

· In any keyboard, Touch & Hold 🔡 for 10キー / QWERTY / 手書き .

QWERTY Layout

1	Text entry
2	Toggle entry modes; Touch & Hold for entry mode list and conversion modes
3	Change Keyboard types
4	Current entry mode
5	Delete character before cursor
6	Line feed
7	Toggle uppercase/lowercase or symbols
8	Symbol/Emoticon List/Useful Phrases
9	Move cursor
10	Space

Toggling Text Entry Modes

1

Touch & Hold

Entry mode list appears.

2

Tap entry mode

Entry mode changes.

Google Account

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

Creating a Google Account

1

In Home Screen, ≡ ➜ System settings

2

Accounts & sync

3

ADD ACCOUNT

4

Google

Add a Google Account appears.

5

Follow onscreen instructions

A Google Account is added.

Signing in to a Google Account

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

1

Existing

Google Account sign in appears.

2

Enter e-mail address ➡ Enter password ➡ Sign in

3

Follow onscreen instructions

You are signed in to your Google Account.

Google Account Cautions

Do not forget your Google Account ID and password.

Google Play™

Download applications in Google Play. Sign in to your Google Account beforehand.

Installing Free Applications

1

In Home Screen, ➡ (Play Store)

Google Play opens.

· If confirmation appears, follow onscreen instructions.

2

Tap application ➡ Install ➡ Accept & download

Application downloads and installs.

Purchasing Applications

1

In Home Screen, ➡ (Play Store)

Google Play opens.

· If confirmation appears, follow onscreen instructions.

2

Tap pay-for application ➡ Select price ➡ Follow onscreen instructions

Application downloads and installs.

Updating Installed Applications

1

In Home Screen, ⊞ ➔ ▷ (Play Store)

🏁 Google Play opens.

· If confirmation appears, follow onscreen instructions.

2

☰ ➔ My Apps ➔ Tap application ➔ Update ➔ Accept & download

🏁 Application downloads and installs.

· If confirmation appears, follow onscreen instructions.

💡 Purchased Applications

Payment

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

Installations on Other Android Devices

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

➕ Application Operations

Requesting Refunds

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

In Google Play, ☰ ➔ My Apps ➔ Tap application ➔ Refund

Automatic Application Updates

In Google Play, ☰ ➔ My Apps ➔ Tap application ➔ Allow automatic updating (☑)

· Automatic update is not available for some applications.

⚠ Google Play Caution

Installing Applications

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

Purchasing Applications

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

Security Codes

Code Types

Some functions/services require these codes for use.

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

Types	Details
Center Access Code	4-digit code in service contract: Change services; use Optional Services via landlines; or set call restrictions
Lock No.	9999 by default: Use Security Lock functions

USIM PIN

A four- to eight-digit code to prevent unauthorized use. It is set to 9999 by default.

Enabling USIM Card Lock

1

In Home Screen, ☰ → System settings

2

Security

3

Set up USIM card lock → Lock USIM card (☑) → Enter USIM PIN → OK

🏁 PIN is enabled.

Changing USIM PIN

1

In Home Screen, ☰ ➔ System settings

2

Security

3

Set up USIM card lock ➔ Change USIM PIN ➔ Enter PIN ➔ OK ➔ Enter New PIN ➔ OK ➔ Enter New PIN again ➔ OK

🏁 PIN is changed.

⚠ **PIN Cautions**

Entering PIN incorrectly three times activates PIN Lock. Enter PUK (Personal Unblocking Key) to unlock. For more about PUK, contact SoftBank Customer Support.

Screen Lock

After set period of inactivity, Screen Lock activates.

Canceling Screen Lock

1

Press 🔘

🏁 Cancel Screen Lock window appears.

2

Drag 🔓 to right

🏁 Screen Lock is canceled.

· Drag 🔓 up for Call History.
· Drag 🔓 left for S! Mail.
· Drag 🔓 down for Camera.

Software Updates

Look for available updates. Update as required.

Software Updates

1

In Home Screen, ☰ ➡ System settings

2

About phone

3

Software update ➡ Software update ➡ OK ➡ Tap
⊙ in Update details area and confirm details ➡ ⤓ in
Update version area ➡ Follow onscreen instructions

🏁 Software updates.

💡 Before Software Update

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

⚠️ Software Update Cautions

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

Handset Interface

Home Screen Basics

Home Screen top sheet appears at power on; most operations start here.

Layout

1 Status Bar & Notifications Window
2 Search Box
3 Shortcuts
4 Open Launcher

Toggling Home Screen Sheets

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

· In any Home Screen sheet, Press ⌂ to return to Home Screen top sheet.

Using Home Screen Sheet Index

Use Home Screen sheet index to switch, add or delete sheets.

1

In Home Screen, ⬅

🏁 Home Screen sheet index appears.

2

Select sheet

🏁 Selected Home Screen sheet appears.

Status Bar

Status Bar appears at the top of Display.

Status Bar

1 Notification Indicators

2 Status Indicators

Notification Indicators

These Notification Indicators appear in Notifications Window:

Icon	Description
	New Gmail
	New Email
	New SMS/S! Mail
	New Voicemail
	Music Playing
	Wi-Fi Available
	USB Connected
	Twitter Notification
	Incoming/Call in Progress
	Missed Call
	Data Uploading
	Data Downloading
	Installation Complete
	App Update Available

Status Indicators

These Status Indicators appear in Status Bar:

Indicator	Description
	3G Data in Use
	4G Data in Use
	GSM Data in Use
	Wi-Fi Connected
	Bluetooth® On
	Bluetooth® Connected
	Airplane Mode
	Alarm Set
	Data Syncing
	Signal Strength
	Roaming
	No Signal
	No USIM
	Manner Mode
	Silent Mode (Mute)
	Charge Battery
	Battery Low
	Battery Charged
	Battery Charging
	Headphones Connected

Handset Interface

Notifications Window

Open notifications (missed call, etc.), check handset status or change various settings.

Opening Notifications Window

1

Drag Status Bar down

🏁 Notifications Window opens.

➕ Closing Notifications Window

Touch Display bottom and Drag up.

· Alternatively, Press ⬅ .

Phone

Calling

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

Placing Calls

1

In Home Screen, ⊞ ➡ 📞 (Phone)

🏁 Onscreen dialpad appears.

2

Use onscreen dialpad to enter number

· Enter city code for landlines.

3

📞

090-XXXX-XXXX

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

4

To end the call 📞

🏁 Call ends.

Answering Calls

1

When call connects Drag 📞 right

🏁 Talk.

2

To end the call 📞

🏁 Call ends.

💡 **Emergency Location Report**

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

· Location Report does not incur registration/transmission fees.

· Location/signal conditions affect positioning accuracy. Always provide location and call purpose.

· Hiding Caller ID (using 184, etc.) cancels Location Report. However, corresponding agency may obtain location information in life threatening situations.

· Location Report is not sent for calls made while outside Japan.

⚠ Emergency Location Report Cautions

Emergency Location Report is not sent in Airplane mode.

Optional Services

This handset is compatible with SoftBank Optional Services.

Optional Services

Use these SoftBank Optional Services:

Service	Description
Call Forwarding	Divert all/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]	Switch between open lines/connect multiple lines
Call Barring	Restrict incoming/outgoing calls by conditions
Caller ID	Show or hide your number when placing calls

1   Requires separate subscription

Call Forwarding

1

In Home Screen, ≡ ➔ System settings

2

Call

Call settings appears.

3

Call forwarding

4

Tap forwarding condition ➔ Enter number ➔ Enable

Call Forwarding is set.

Voicemail

1

In Home Screen, ≡ ➔ System settings

2

Call

Call Settings appears.

3

Call forwarding

4

Tap forwarding condition ➔ Enter 09066517000 ➔ Enable

Voicemail is set.

· When a new message is recorded, appears in Status Bar. Dial 1416 for voice guidance.

Call Waiting

Requires separate subscription.

1

In Home Screen, ☰ ➡ System settings

2

Call

🏁 Call settings appears.

3

Additional settings

4

Call waiting (✔)

🏁 Call Waiting is set.

· Call Waiting tone sounds for new call. Drag 📞 right to accept the call.

Group Calling

Requires separate subscription.

1

During a call, 👤

2

Enter another phone number ➡ 📞

3

When receiver accepts call 🏃

🏁 Group Call begins.

Caller ID

1

In Home Screen, ≡ ➔ System settings

2

Call

🏁 Call settings appears.

3

Additional settings

4

Caller ID ➔ Network default / Hide number / Show number

🏁 Caller ID is set.

Call Barring

Restrict calls from specified numbers.

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

1

In Home Screen, ≡ ➔ System settings

2

Call

🏁 Call settings appears.

3

Call barring

4

Tap conditions for incoming/outgoing restrictions ➔ Enter
Call Barring Password ➔ Enable

🏁 Call Barring is set.

Address Book

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

Adding New Contacts

1

In Home Screen, ▦ ➔ 🖼 (People)

🏁 Contacts window appears.

2

· If confirmation appears, follow onscreen instructions.

3

Enter items ➔ DONE

🏁 Contact is saved.

Messaging & Browser

Messaging

S! Mail

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

SMS

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

Gmail

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

Internet Mail

Use Internet Mail (POP3/IMAP4) on handset.

· Set up Internet Mail accounts beforehand.
· Exchanging Internet Mail via handset syncs handset and mail server.

Sending S! Mail/SMS

Sending S! Mail

1

In Home Screen, ⊞ ➔ 📧 (SoftBank Mail) ➔ 📧

2

· Enter phone numbers or e-mail addresses directly in Recipient field.

3

People / Outgoing History / Incoming History ➔ Select recipient ➔ OK

· After entering recipients, Tap 0000👤 to check recipient numbers or e-mail addresses, or set recipients to Cc or Bcc.
· After entering recipients, Tap 0000👤 then ✕ to delete them.

4

Tap Subject field ➔ Enter subject

5

Tap Message field 🔜 Enter text

6

SEND

· Before sending S! Mail, press ⬅ to save messages as a draft. Follow onscreen instructions.

7

Send

🏁 S! Mail is sent.

· Unsendable message is saved as a draft.

Sending SMS

1

In Home Screen, ▦ 🔜 📄 (SoftBank Mail) 🔜 📩

2

📇

· Enter phone number directly in Recipient field.

3

People / Outgoing History / Incoming History 🔜 Tap recipient

· After entering recipient, Tap ◦◦◦◦👤 to check recipient number.
· After entering recipient, Tap ◦◦◦◦👤 then ✖ to delete them.

4

Tap Message field 🔜 Enter text

5

SEND

· Before sending SMS, Press ⬅ to save message as a draft. Follow onscreen instructions.

6

Send

🏁 SMS is sent.

· Unsendable message is saved as a draft.

Creating/Sending Gmail

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

Creating/Sending Gmail

1

In Home Screen, ▦ ➔ 🅜 (Gmail)

🏁 Inbox appears.

2

✉

🏁 New message window appears.

3

Enter To:, Subject:, and message text ➔ ➤

🏁 Message is sent.

⚠ Gmail Caution

Barring Internet Mail on handset blocks Gmail messages.

Internet Mail Settings

Adding Accounts

1

In Home Screen, ⊞ ➔ ✉ (EMail)

🏁 Internet Mail list appears.

2

☰ ➔ Settings

3

ADD ACCOUNT

4

Follow onscreen instructions

🏁 Account is added.

Web Browsing

Using Browser

1

In Home Screen, ⊞ ➔ 🌐 (Browser)

🏁 Browser opens.

· Tapping web links within text messages automatically activates Browser.

Messaging & Browser

Adding Bookmarks

1

In Home Screen, ⊞ ➡ 🌐 (Browser)

🏁 Browser opens.

2

≡ ➡ Save to bookmarks

🏁 Add bookmark window opens.

3

Check/change Label, Address, Account, and Add to fields ➡ OK

🏁 Current webpage is added to Bookmarks.

Opening New Tabs

Open multiple tabs and toggle between them. Open up to 16 tabs.

1

In Home Screen, ⊞ ➡ 🌐 (Browser)

🏁 Browser opens.

2

▤

🏁 Tab index window opens.

· When ▤ is hidden, drag down webpage.

3

⊞

🏁 New tab appears.

· To switch tabs, Tap tab in tab index window.

💡 Using SSL/TLS

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

⚠️ SSL/TLS Caution

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

Camera

Imaging

Capturing Photos

1

In Home Screen, ▦ ➔ 📷 (Camera)

🏁 Camera Viewfinder appears.

2

Frame subject in Viewfinder ➔ Touch & Hold ◎

🏁 Auto Focus activates.

3

Release ◎

🏁 Shutter clicks and photo is saved.

Recording Videos

1

In Home Screen, ▦ ➔ 📷 (Camera)

🏁 Camera Viewfinder appears.

2

🎥

🏁 Video Viewfinder appears.

3

Frame subject in Viewfinder ➔ 🔴

🏁 Recording begins.

4

Tap ◉ to end Camera

🏁 Recording ends and file is saved.

💡 Imaging Notes

Photo File Format

Photos are saved as JPEG files.

Video File Format

Videos are saved as MPEG-4 files.

⚠️ Camera Cautions

Keep Lens Clean

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

Avoid Direct Sunlight Exposure

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

🚫 Important Flash Usage Notes

Do not position Flash close to the faces of others. Do not look at Flash directly while in use. Do not point Flash at the eyes of others.
It may harm eyesight. Do not photograph infants up close. Flash may impair vision, causing accidents.

Music & Images

Music Files

Playing Music Files

1

In Home Screen, ⊞ ➔ 🎧 (Play Music)

🏁 Music Library appears.

2

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

3

Tap a file to play it

🏁 Song plays.

· Some categories require Tapping of item in ALBUMS, ARTISTS, etc. to access music.

Image Files

Viewing Images

1

In Home Screen, ⊞ ➔ 🖼 (Gallery)

🏁 Album index appears.

2

Tap an album

3

Tap image to view it

🏁 Image appears.

Connectivity

Wi-Fi

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

Connecting to Wi-Fi Networks

Select from available networks to establish a connection.

1

In Home Screen, ☰ ➔ System settings

2

Wi-Fi

🏁 Wi-Fi settings appears.

3

OFF

🏁 Wi-Fi is enabled (ON).

· To disable Wi-Fi settings, Tap ON (OFF).

4

Tap Wi-Fi network ➔ Enter Password ➔ Connect

🏁 Handset connects to Wi-Fi network.

· A Wireless LAN router in your home may have a sticker with a password for WEP, WPA, and KEY. For details contact your router manufacturer. Also, please check your provider's contract for the password for Public Wireless LAN.

· Unsecured networks do not require password entry.

Wi-Fi Operations

Deleting Networks

In Wi-Fi settings, Tap active access point ➔ Forget

Check Access Point Details

In Wi-Fi settings, Tap current access point

🏁 Connection Status, Signal strength, Link speed, Security, IP address appear.

Set Wi-Fi Sleep Policy

In Wi-Fi settings, ☰ ➔ Advanced ➔ Wi-Fi sleep policy ➔ Tap items

Deleting Access Points

In Wi-Fi settings, Touch & Hold access point ➔ Forget network

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 Home Screen, 📲 ➡ 📋 (Tethering)

🏁 Tethering window appears.

How to Use Tethering Option

1

In Home Screen, 📲 ➡ 📋 (Tethering)

🏁 Tethering window appears.

2

Help

🏁 Help window appears.

3

Follow onscreen instructions

🏁 A description of each item appears.

💡 PC Operating Requirements

Tethering is supported for Windows 7, Windows Vista, and Windows XP (32-bit) PCs.
If using a USB connection with Windows XP (32-bit), first install HiSuite.

Bluetooth®

Connect handset to other Bluetooth® devices for wireless connectivity.

Activating Bluetooth®

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

1

In Home Screen, ☰ ➔ System settings

2

OFF

🏁 Bluetooth® function is enabled (ON).

・Confirmation appears for handset to be visible to other Bluetooth® devices. Follow onscreen instructions.
・To disable Bluetooth® function, Tap ON (OFF).

? Trouble Shooting

Q. Why can't I use Bluetooth®?

A. Bluetooth® function is canceled by entering Airplane mode while being used. Enable Bluetooth® function again.

Global Services

Calling Outside Japan

International Calling

1

In Home Screen, ▦ ➡ 📞 (Phone)

🏁 Onscreen dialpad appears.

2

Touch & Hold 0+

🏁 + appears.

3

Omit first 0 from phone numbers when placing international calls

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

4

+86 90X XXX XXXX

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

Global Roaming

Place calls the same way you would within Japan.

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

1

In Home Screen, ⊞ ➔ 📞 (Phone)

🏁 Onscreen dialpad appears.

2

Use onscreen dialpad to enter phone number

3

📞

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

Settings

Wireless & Networks Settings

Wireless & Networks Settings

➕ Wi-Fi

Enable/Disable Wi-Fi Connectivity

In Home Screen, ☰ ➔ System settings ➔ Wi-Fi OFF / ON

· Tap OFF to turn On, and ON to turn Off.

· Alternatively, Tap Wi-Fi and then OFF / ON .

Add Networks

In Home Screen, ☰ ➔ System settings ➔ Wi-Fi ➔ ADD NETWORK ➔ Enter network settings ➔ Save

· Wi-Fi must be enabled to use this setting.

· Some security protocols may require additional information entry.

Enable/Disable Open Network Notifications

In Home Screen, ☰ ➔ System settings ➔ Wi-Fi ➔ ☰ ➔ Advanced ➔ Network notification

· Wi-Fi must be active to use this function.

· Tap Network notification to toggle setting On (✔)/ Off (■).

Set When to Pause Connection

In Home Screen, ☰ ➔ System settings ➔ Wi-Fi ➔ ☰ ➔ Advanced ➔ Wi-Fi sleep policy ➔ Tap setting

Enable/Disable Wi-Fi for Stable Connections Only

In Home Screen, ☰ ➔ System settings ➔ Wi-Fi ➔ ☰ ➔ Advanced ➔ Avoid poor connections

· Wi-Fi must be enabled to use this setting.

· Tap Avoid poor connections to toggle setting On (✔)/Off (■).

Confirm MAC Address

In Home Screen, ☰ ➔ System settings ➔ Wi-Fi ➔ ☰ ➔ Advanced

· MAC address appears on bottom in MAC address area.

Confirm IP Address

In Home Screen, ☰ ➔ System settings ➔ Wi-Fi ➔ ☰ ➔ Advanced

· IP address appears on bottom in IP address area.

Bluetooth Settings

Bluetooth Settings

⊞ Bluetooth

Enable/Disable Bluetooth® Connectivity

In Home Screen, ≡ ➔ `System settings` ➔ `Bluetooth` `OFF` / `ON`

· When turned On, confirmation appears for handset to be visible to other Bluetooth® devices. Follow onscreen instructions.
· Tap `OFF` to turn On, and `ON` to turn Off.
· Alternatively, Tap `Bluetooth` and then `OFF` / `ON` .

Change Device Visibility

In Home Screen, ≡ ➔ `System settings` ➔ `Bluetooth` ➔ Tap handset name

· Tap handset name to toggle visible/non-visible.
· Below handset name "Visible to all nearby Bluetooth devices" appears, and handset is visible for the time set in `Visibility timeout` .
· After time set in `Visibility timeout` , handset becomes no longer visible, and handset is no longer shown on non-paired devices.
· `Bluetooth` must be enabled to use this setting.

Save (Pair) Bluetooth® Devices

Make Bluetooth® devices to be saved visible beforehand.

In Home Screen, ≡ ➔ `System settings` ➔ `Bluetooth` ➔ Tap device in AVAILABLE DEVICES area ➔ Follow onscreen instructions

· Entering a passkey may be required for handset and device to authenticate one another.
· When a target device is not shown, Tap `SEARCH FOR DEVICES` and search again.
· `Bluetooth` must be enabled to use this setting.

Confirm Paired Devices

In Home Screen, ≡ ➔ `System settings` ➔ `Bluetooth`

· Names of paired devices appear in PAIRED DEVICES area.
· For hands-free and similar devices, Tap device names to connect/disconnect.
· `Bluetooth` must be enabled to use this setting.

Change Name of Paired Device

In Home Screen, ≡ ➔ `System settings` ➔ `Bluetooth` ➔ Paired device ⊞ ➔ `Rename` ➔ Enter name ➔ `OK`

· Pictograms cannot be used in device name.
· `Bluetooth` must be enabled to use this setting.

Unpair Device

In Home Screen, ≡ ➔ `System settings` ➔ `Bluetooth` ➔ Paired device ⊞ ➔ `Unpair`

· `Bluetooth` must be enabled to use this setting.

Enable/Disable Paired Device Service

In Home Screen, ≡ ➔ `System settings` ➔ `Bluetooth` ➔ Paired device ⊞ ➔ Tap item in PROFILES area

· If confirmation appears, follow onscreen instructions.
· `Bluetooth` must be enabled to use this setting.
· Tap item to toggle setting On (☑)/Off (■).

Search for Pairable Devices

In Home Screen, ≡ ➔ `System settings` ➔ `Bluetooth` ➔ `SEARCH FOR DEVICES`

· `Bluetooth` must be enabled to use this setting.

Change Name Appearing on Paired Devices

In Home Screen, ≡ ➔ `System settings` ➔ `Bluetooth` ➔ ≡ ➔ `Rename phone` ➔ Enter name ➔ `Rename`

· `Bluetooth` must be enabled to use this setting.

Set Time Handset is Visible to Other Devices

In Home Screen, ≡ ➔ `System settings` ➔ `Bluetooth` ➔ ≡ ➔ `Visibility timeout` ➔ Tap setting

· `Bluetooth` must be enabled to use this setting.
· Tap `Never time out` to keep handset always visible.

Open File Received by Bluetooth® Transfer

In Home Screen, ≡ ➔ `System settings` ➔ `Bluetooth` ➔ ≡ ➔ `Show received files` ➔ Follow onscreen instructions

Data Usage Settings

Data Usage Settings

➕ Data Usage

Enable/Disable Mobile Data

In Home Screen, ☰ ➡️ `System settings` ➡️ `Data usage` ➡️ Mobile data `OFF` / `ON`

· If confirmation appears, follow onscreen instructions.
· Tap `OFF` to turn On, and `ON` to turn Off.

Set Warning Limit for Data Usage Increase

In Home Screen, ☰ ➡️ `System settings` ➡️ `Data usage` ➡️ Drag right end of orange bar on graph up/down

· Shown data usage is approximate and may differ from actual usage.
· `Mobile data` must be enabled to use this setting.

Enable/Disable Limit on Mobile Data

In Home Screen, ☰ ➡️ `System settings` ➡️ `Data usage` ➡️ `Set mobile data limit`

· Tap `Set mobile data limit` to toggle setting On (✅)/ Off (⬛).
· If confirmation appears, follow onscreen instructions.
· To set a limit on mobile data, Drag right end of red bar on graph to set upper limit.
· `Mobile data` must be enabled to use this setting.

Set Day for Resetting Data Usage

In Home Screen, ☰ ➡️ `System settings` ➡️ `Data usage` ➡️ Tap tally period in Data usage cycle area ➡️ `Change cycle` ➡️ Flick date up/down for reset day each month ➡️ `Set`

· `Mobile data` must be enabled to use this setting.

Confirm Data Usage for Each Application

In Home Screen, ☰ ➡️ `System settings` ➡️ `Data usage` ➡️ Drag bottoms of two white bars on graph left/ right for period to show ➡️ Tap application name shown at bottom

Enable/Disable Data Roaming

In Home Screen, ☰ ➡️ `System settings` ➡️ `Data usage` ➡️ ☰ ➡️ `Data roaming`

· Tap `Data roaming` to toggle setting On (✅)/Off (⬛).
· If confirmation appears, follow onscreen instructions.

Enable/Disable Restriction on Mobile Data Communication in Background

In Home Screen, ☰ ➡️ `System settings` ➡️ `Data usage` ➡️ ☰ ➡️ `Restrict background data`

· Tap `Data roaming` to toggle setting On (✅)/Off (⬛).
· If confirmation appears, follow onscreen instructions.
· `Set mobile data limit` must be enabled to use this setting.

Enable/Disable Restriction on Mobile Data Using Wi-Fi

In Home Screen, ☰ ➡️ `System settings` ➡️ `Data usage` ➡️ ☰ ➡️ `Show Wi-Fi usage`

· Tap `Show Wi-Fi usage` to toggle setting On (✅)/Off (⬛).
· Enable `Show Wi-Fi usage` to add WI-FI tab at top. Tap to set restriction on mobile data using Wi-Fi.

More Settings

More Settings

➕ Airplane Mode

Cancel All Handset Transmissions without Powering Off

In Home Screen, ▤ ➡ System settings ➡ More ➡ Airplane mode

· Tap Airplane mode to toggle setting On (☑)/Off (■).

➕ VPN

Add a VPN

In Home Screen, ▤ ➡ System settings ➡ More ➡ VPN ➡ Add VPN network ➡ Enter information ➡ Save

· Set pattern, PIN, or password for canceling Screen Lock beforehand.
· Tap VPN to toggle connection On/Off. Touch & Hold VPN to edit/delete it.

➕ Wi-Fi Direct

Enable/Disable Wi-Fi Direct

In Home Screen, ▤ ➡ System settings ➡ More ➡ Wi-Fi direct (upper)

· Tap Wi-Fi direct (upper) to toggle setting On (☑)/Off (■).
· Wi-Fi Direct and Wi-Fi must be used at different times. When Wi-Fi Direct is turned On while Wi-Fi is On, a message appears to notify that Wi-Fi will turn Off.

Set Devices for Communication by Wi-Fi Direct

Enable Wi-Fi Direct beforehand.

In Home Screen, ▤ ➡ System settings ➡ More ➡ Wi-Fi direct (lower) ➡ Tap device to connect ➡ Connect ➡ Set other device to permit connection

· To cancel connection, Tap DISCONNECT in window for Wi-Fi direct (lower) then OK .

Set Handset Name Appearing for Wi-Fi Direct

Enable Wi-Fi Direct beforehand.

In Home Screen, ▤ ➡ System settings ➡ More ➡ Wi-Fi direct (lower) ➡ ▤ ➡ RENAME ➡ Enter name ➡ Rename

➕ Mobile Networks

Enable/Disable Packet Communications

In Home Screen, ▤ ➡ System settings ➡ More ➡ Mobile networks ➡ Data enabled

· Tap Data enabled to toggle setting On (☑)/Off (■).

Enable/Disable Data Roaming

In Home Screen, ▤ ➡ System settings ➡ More ➡ Mobile networks ➡ Data roaming

· Tap Data roaming to toggle setting On (☑)/Off (■).
· If confirmation appears, follow onscreen instructions.

Set Network Mode

In Home Screen, ▤ ➡ System settings ➡ More ➡ Mobile networks ➡ Network Mode ➡ Tap setting

Add Access Points

In Home Screen, ▤ ➡ System settings ➡ More ➡ Mobile networks ➡ Access Point Names ➡ ▤ ➡ New APN ➡ Tap items ➡ Set items ➡ ▤ ➡ Save

Delete Added Access Points & Restore Defaults

In Home Screen, ▤ ➡ System settings ➡ More ➡ Mobile networks ➡ Access Point Names ➡ ▤ ➡ Reset to default

Select Operator

In Home Screen, ▤ ➡ System settings ➡ More ➡ Mobile networks ➡ Network operators ➡ Select automatically /Select from search results

· Tapping Select automatically automatically sets optimum network.
· To refresh search, Tap Search networks or Select automatically .

Sound Settings

Sound Settings

Volume

Adjust Volume Levels for Handset Sounds

In Home Screen, ▤ ➡ System settings ➡ Sound ➡ Volume ➡ Adjust Volume ➡ OK

Silent Mode

Adjust Manner Mode Settings

In Home Screen, ▤ ➡ System settings ➡ Sound ➡ Silent mode ➡ Tap items

Phone Ringtone

Set Tones for Incoming Transmissions

In Home Screen, ▤ ➡ System settings ➡ Sound ➡ Phone ringtone ➡ Tap items ➡ Tap ringtone ➡ OK

Default Notification

Select Notification Tones

In Home Screen, ▤ ➡ System settings ➡ Sound ➡ Default notification ➡ Tap items ➡ Tap notification tones ➡ OK

Vibrate and Ring

Enable/Disable Vibration for Ringtone or Notification Tones

In Home Screen, ▤ ➡ System settings ➡ Sound ➡ Vibrate and ring

· Tap Vibrate and ring to toggle manner settings On (✔)/Off (■).

Dial Pad Touch Tones

Enable/Disable Dialpad Tones

In Home Screen, ▤ ➡ System settings ➡ Sound ➡ Dial pad touch tones

· Tap Dial pad touch tones to toggle setting On (✔)/ Off (■).
· Cancel this setting to improve battery life.

Touch Sounds

Enable/Disable Confirmation Tones

In Home Screen, ▤ ➡ System settings ➡ Sound ➡ Touch sounds

· Tap Touch sounds to toggle setting On (✔)/Off (■).
· Cancel this setting to improve battery life.

Screen Lock Sound

Enable/Disable Screen Lock Tone

In Home Screen, ▤ ➡ System settings ➡ Sound ➡ Screen lock sound

· Tap Screen lock sound to toggle this setting On (✔)/ Off (■).
· Cancel this setting to improve battery life.

Vibrate On Touch

Enable/Disable Touch Vibration

In Home Screen, ▤ ➡ System settings ➡ Sound ➡ Vibrate on touch

· Tap Vibrate on touch to toggle setting On (✔)/Off (■).

Battery Settings

▌ Battery Settings

✚ Battery

Confirm Battery Status/Battery Time

In Home Screen, ≡ ➡ System settings ➡ Battery

· Tap items to open use details for each item. Adjustable items appear. Tap items to adjust.
· Tap graph to open history details.

Power Saving Mode Settings

▌ Power Saving Mode Settings

✚ Power Saving Mode

Enable/Disable Collective Setting of Wi-Fi, Window, Etc. to Save Power

In Home Screen, ≡ ➡ System settings ➡ Power saving mode OFF / ON

· Tap OFF to turn On, and ON to turn Off.
· Alternatively, Tap Power saving mode and then OFF / ON .

Apps Settings

Apps Settings

➕ ALL

Confirm Name, Version, Size, etc. of Installed Applications

In Home Screen, ≡ ➡ [System settings] ➡ [Apps]
➡ [ALL] ➡ Tap application

· Force close, or uninstall applications.
· Check Internal storage at bottom for storage use.
· Tap [Clear cache] to erase cache for all applications.

➕ Running

Show Active Applications

In Home Screen, ≡ ➡ [System settings] ➡ [Apps]
➡ [RUNNING]

· Tap application then [Stop] to cancel it.

Accounts & Sync Settings

Accounts & Sync Settings

➕ Add Account

Add Accounts

In Home Screen, ≡ ➡ [System settings] ➡ [Accounts
& sync] ➡ [ADD ACCOUNT] ➡ Tap items to set ➡
Follow onscreen instructions

➕ Sync Settings

Set Applications to Sync for Each Account

In Home Screen, ≡ ➡ [System settings] ➡ [Accounts
& sync] ➡ Tap account ➡ Tap items to sync

· Tap item to sync to toggle item On (✔)/Off (■).

➕ Auto Sync

Enable/Disable Application Auto Sync

In Home Screen, ≡ ➡ [System settings] ➡ [Accounts
& sync] ➡ [OFF] / [ON]

· Tap [OFF] to turn On, and [ON] to turn Off.
· Cancel this setting to improve battery life.

Language & Input Settings

Language & Input Settings

⊞ Language

Set User Interface Language

In Home Screen, ☰ ➔ `System settings` ➔ `Language & input` ➔ `Language` ➔ Tap setting

⊞ Spelling Correction

Enable/Disable Spelling Check when Entering Characters

In Home Screen, ☰ ➔ `System settings` ➔ `Language & input` ➔ `Spelling correction`

· Tap `Spelling correction` to toggle setting On (✓)/ Off (▮).
· Tap 🔲 to make detailed settings.
· `Spelling correction` is available when `Default` is set to `English (US)` .

⊞ Personal Dictionary

Add Words to User Dictionary

In Home Screen, ☰ ➔ `System settings` ➔ `Language & input` ➔ `Personal dictionary` ➔ ✚ ➔ Enter words ➔ `OK`

· Tap ✖ to delete added words.
· `Personal dictionary` is available when `Default` is set to `English (US)` .

⊞ Default

Set Usual Keyboard

In Home Screen, ☰ ➔ `System settings` ➔ `Language & input` ➔ `Default` ➔ Tap setting

· To change settings for each keyboard, Tap `Default` then `Configure input methods` .

⊞ Android Keyboard

Change Android Keyboard Settings

In Home Screen, ☰ ➔ `System settings` ➔ `Language & input` ➔ Android keyboard 🔲 ➔ Follow onscreen instructions

⊞ FSKAREN

Change FSKAREN Settings

In Home Screen, ☰ ➔ `System settings` ➔ `Language & input` ➔ FSKAREN 🔲 ➔ Follow onscreen instructions

⊞ Google Voice Typing

Enable/Disable Google Voice Input

In Home Screen, ☰ ➔ `System settings` ➔ `Language & input` ➔ `Google voice typing`

· Tap `Google voice typing` to toggle setting On (✓)/ Off (▮).
· Tap 🔲 to make detailed settings.

⊞ Voice Search

Set Language for Voice Input

In Home Screen, ☰ ➔ `System settings` ➔ `Language & input` ➔ `Voice Search` ➔ `Language` ➔ Tap setting

Filter Search Results

In Home Screen, ☰ ➔ `System settings` ➔ `Language & input` ➔ `Voice Search` ➔ `SafeSearch` ➔ Tap setting

Enable/Disable Blocking of Offensive Words for Voice Input

In Home Screen, ☰ ➔ `System settings` ➔ `Language & input` ➔ `Voice Search` ➔ `Block offensive words`

· Tap `Block offensive words` to toggle setting On (✓)/ Off (▮).

⊞ Text-To-Speech Output

Change Engine for Text-to-Speech

In Home Screen, ☰ ➔ `System settings` ➔ `Language & input` ➔ `Text-to-speech output` ➔ Tap engine

· Tap engine 🔲 to make detailed settings.
· If confirmation appears, follow onscreen instructions.

Set Speed for Text-to-Speech

In Home Screen, `≡` ➔ `System settings` ➔
`Language & input` ➔ `Text-to-speech output` ➔
`Speech rate` ➔ Tap setting

Play Voice Sample

In Home Screen, `≡` ➔ `System settings` ➔
`Language & input` ➔ `Text-to-speech output` ➔
`Listen to an example`

➕ Pointer Speed

Set Pointer Speed when Using Mouse/Trackpad

In Home Screen, `≡` ➔ `System settings` ➔
`Language & input` ➔ `Pointer speed` ➔ Drag slider
➔ `OK`

Backup & Reset Settings

Backup & Reset Settings

➕ Contents Key Backup

Copy Contents Keys between Handset and SD Card

In Home Screen, `≡` ➔ `System settings` ➔ `Backup
& reset` ➔ `Contents key backup` ➔ `Backup` /
`Restore` ➔ `OK` ➔ Follow onscreen instructions

Open Help for Contents Key Backup

In Home Screen, `≡` ➔ `System settings` ➔ `Backup
& reset` ➔ `Contents key backup` ➔ `?`

➕ Back Up My Data

Back up Data to Google Servers

In Home Screen, `≡` ➔ `System settings` ➔ `Backup
& reset` ➔ `Back up my data`

· Tap `Back up my data` to toggle setting On(☑)/Off
(⬛).
· If confirmation appears, follow onscreen instructions.

➕ Backup Account

Set Which Google Account to Use for Backing Up Data

In Home Screen, `≡` ➔ `System settings` ➔ `Backup
& reset` ➔ `Backup account` ➔ Tap account

· To add a new Google account, Tap `Backup account` then
`Add account` .
· `Back up my data` must be enabled to use this setting.

➕ Automatic Restore

Restore Backed up Data when Reinstalling Applications

In Home Screen, `≡` ➔ `System settings` ➔ `Backup
& reset` ➔ `Automatic restore`

· Tap `Automatic restore` to toggle setting On(☑)/Off
(⬛).
· `Back up my data` must be enabled to use this setting.

Factory Data Reset

Restore Handset to Factory Defaults

In Home Screen, `☰` `➜` `System settings` `➜` `Backup & reset` `➜` `Factory data reset` `➜` Confirm onscreen cautions `➜` `Reset phone` `➜` `Erase everything`

· This operation deletes all handset data. It is recommended that you back up all important data beforehand.
· Deleted handset data cannot be recovered.
· To also erase all data on SD Card, set `Erase SD card` On (✔).

Date & Time Settings

Date & Time Settings

Automatic Date & Time

Enable/Disable Automatic Correction of Date and Time

In Home Screen, `☰` `➜` `System settings` `➜` `Date & time` `➜` `Automatic date & time`

· Tap `Automatic date & time` to toggle setting On (✔)/ Off (■).

Automatic Time Zone

Enable/Disable Automatic Setting of Time Zone

In Home Screen, `☰` `➜` `System settings` `➜` `Date & time` `➜` `Automatic time zone`

· Tap `Automatic time zone` to toggle setting On (✔)/ Off (■).

Set Date

Set Date Manually

In Home Screen, `☰` `➜` `System settings` `➜` `Date & time` `➜` `Set date` `➜` Enter date `➜` `Set`

· `Automatic date & time` must be disabled (■) to use this setting.

Set Time

Set Time Manually

In Home Screen, `☰` `➜` `System settings` `➜` `Date & time` `➜` `Set time` `➜` Enter time `➜` `Set`

· `Automatic date & time` must be disabled (■) to use this setting.

Select Time Zone

Set Date Manually

In Home Screen, `☰` `➜` `System settings` `➜` `Date & time` `➜` `Select time zone` `➜` Tap area

· `Automatic time zone` must be disabled (■) to use this setting.

Use 24-hour Format

Enable/Disable 24-hour Format

In Home Screen, ≡ ➡ `System settings` ➡ `Date & time` ➡ `Use 24-hour format`

· Tap `Use 24-hour format` to toggle setting On (☑)/ Off (■).

Select Date Format

Change Date Format

In Home Screen, ≡ ➡ `System settings` ➡ `Date & time` ➡ `Select date format` ➡ Tap items

Developer Options Settings

Developer Options Settings

Developer Options

Change Settings of Developer-oriented Options

Setting options are available for when using handset for development purposes. Changing these settings is not required when using handset for other purposes.

In Home Screen, ≡ ➡ `System settings` ➡ `Developer options` ➡ Follow onscreen instructions

Fast Boot Settings

Fast Boot Settings

⊞ Fast Boot

Enable/Disable Fast Booting

Enable fast boot to shorten handset startup time.

In Home Screen, ☰ ➔ `System settings` ➔ Fast boot `OFF` / `ON`

· Tap `OFF` to turn On, and `ON` to turn Off.

About Phone

About Phone

⊞ Software Update

Check Manually for New Software Release

In Home Screen, ☰ ➔ `System settings` ➔ `About phone` ➔ `Software update` ➔ `Software update` ➔ `OK` ➔ Tap 🔲 in Update details to check details ➔ Update version 🔽 ➔ Follow onscreen instructions

Download Data for Software Update Automatically when Connected by Wi-Fi

In Home Screen, ☰ ➔ `System settings` ➔ `About phone` ➔ `Software update` ➔ `Wi-Fi auto-update`

· Tap `Wi-Fi auto-update` to toggle setting On (✔)/Off (■).

Set Frequency of Automatic Check for New Version Release

In Home Screen, ☰ ➔ `System settings` ➔ `About phone` ➔ `Software update` ➔ `Auto-check frequency` ➔ Tap items

⊞ Status

Confirm Handset Status

In Home Screen, ☰ ➔ `System settings` ➔ `About phone` ➔ `Status`

⊞ Legal Information

Confirm Handset Copyrights & Licenses

In Home Screen, ☰ ➔ `System settings` ➔ `About phone` ➔ `Legal information` ➔ Tap items

⊞ Approval Information

Confirm Compliance with Technical Standards

In Home Screen, ☰ ➔ `System settings` ➔ `About phone` ➔ `Approval Information`

➕ Model Number

Confirm Handset Model Number

In Home Screen, ☰ ➡ System settings ➡ About phone

· Handset model number appears.

➕ Android Version

Confirm Android Operating System Version

In Home Screen, ☰ ➡ System settings ➡ About phone

· Android version info appears.

➕ Baseband Version

Confirm Baseband Version

In Home Screen, ☰ ➡ System settings ➡ About phone

· Baseband info appears.

➕ Kernel Version

Confirm Kernel Version

In Home Screen, ☰ ➡ System settings ➡ About phone

· Kernel version info appears.

➕ Build Number

Confirm Build Number

In Home Screen, ☰ ➡ System settings ➡ About phone

· Build Number appears.

Appendix

Specifications

Model

Item	Description
Weight[1]	Battery installed: 131 g
Continuous Talk Time[1]	3G: 650 minutes GSM: 430 minutes
Continuous Standby Time[1]	4G: 178 hours 3G: 420 hours GSM: 400 hours
Charging Time[1]	180 minutes
Dimensions (W x H x D)[1]	65 x 133 x 9.9 mm
Maximum Output	3G: 0.20 W GSM 1800/1900: 0.89 W GSM 900: 1.78 W

1 Approximate value

Battery

Item	Description
Voltage	3.7 V
Type	Lithium-ion Polymer
Capacity	1930 mAh
Dimensions (W x H x D)[1]	56.5 x 56.25 x 5.8 mm

1 Approximate value

Materials

201HW

Parts	Material/Finishing
Power Key	PC resin + rubber/matte UV
Volume Up/Down Key	PC resin + rubber/matte UV
Earpiece	Stainless steel/PVD
Display	Glass
Battery Cover	PC resin/hard polyurethane (flame black) PC resin/PPVD (lightning black)
Cover (Front)	PC resin (GF-9)/softtouch
Rear Cover + Antenna	MEP RC3730/LDS
Camera Lens	MR58
Camera Lens Ring	Aluminum/anodized
Flash Lens	PMMA
3.5mm Headphone Port	Copper alloy
External Device Port	LCP, SUS/aluminum tin, bottom surface gold plating
SD Card Slot	SUS, LCP
USIM Card Slot	SUS, LCP
FPC	PI
Screws	AISI-1018

Battery (HWBAS1)

Parts	Material/Finishing
Exterior	PP
Terminals	Gold-plated copper

AC Charger (HWCAL1)

Parts	Material/Finishing
Plug	Copper-lead alloy
Exterior	PC resin, ABS resin
USB Connector	Copper-lead alloy

Micro USB Cable (HWDAL1)

Parts	Material/Finishing
Exterior	PVC
USB Plug	Iron, brass/tin-plated nickel
Micro USB Plug	Stainless steel, phosphor bronze

Earphone with Mic (HWLAL1)

Parts	Material/Finishing
Plug	Brass/gold plating
Earphone	ABS resin, PVC, stainless steel
Mic	ABS resin
Cable	Thermoplastic elastomer resin

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

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

Smartphone Technical Support Center

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

SoftBank Mobile Global Call Center

From outside Japan, dial +81-3-5351-3491 (toll free from SoftBank handsets)
If handset is lost/stolen, call this number immediately (international charges apply)

Safety Precautions

Safety Precautions

Read safety precautions before using handset.
Observe precautions to avoid injury to self or others, or damage to property.
SoftBank Mobile is not liable for any damages resulting from use of this product.

Safety Precautions

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

Mark	Descriptions
⚠ DANGER	Great risk of death or serious injury[1] from improper use
⚠ WARNING	Risk of death or serious injury[1] from improper use
⚠ CAUTION	Risk of minor injury[2] or damage to property[3] from improper use

1   Serious injury includes loss of sight, injury, burns (high/low-temperature), electric shock, bone fracture, poisoning, etc. leaving aftereffects and requiring hospitalization or long-term hospital visits.
2   Minor injury includes burns, electric shock, etc. not requiring hospitalization or long-term hospital visits.
3   Damage to property refers to damage extended to home or possessions as well as livestock, pets, etc.

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

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

Handset, Battery, USIM Card, Earphone with Mic, Micro USB Cable & AC Charger

⚠ DANGER

❗ Compulsory

Use specified Battery, Earphone with Mic, AC Charger and Micro USB Cable only.

Non-specified accessory use may cause Battery to leak, overheat, burst or ignite, or impair hearing due to Earphone with Mic volume, or cause AC Charger and Micro USB Cable to short-circuit, overheat, ignite, cause electric shock, malfunction, etc.

🚫 Do Not Disassemble

Do not disassemble, modify or solder.

May cause fire, injury, electric shock or malfunction. Battery may leak, overheat, burst or ignite. Modifying handsets is prohibited by the Radio Law and subject to a penalty.

🚫 Avoid Liquids Or Moisture

Keep away from water.

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

🚫 Prohibited

Do not charge Battery, use or expose handset/related hardware to extreme heat (e.g. near fire or source of heat, in direct sunlight, inside vehicles, etc.). Do not charge Battery, leave, use, or be carrying handset/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; Battery may leak, overheat, ignite or burst. Handset or related hardware may become too hot to touch, leading to burn injuries, etc.

🚫 Prohibited

Do not force Battery or Micro USB Cable into handset.

Check the direction and retry.

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

⚠ WARNING

🚫
Prohibited

Do not put handset, Battery, Earphone with Mic, Micro USB Cable or AC Charger in cooking appliances such as a microwave or pressure cooker.

May cause Battery to leak, overheat, burst or ignite or cause handset, Earphone with Mic, Micro USB Cable or AC Charger to heat, smoke or ignite or malfunction.

❗
Compulsory

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

Handset use near petrochemicals or other flammables may cause fire/explosion.

🚫
Prohibited

Do not apply strong shock or impact.

Battery may leak, overheat, burst or ignite, resulting in fire, electric shock, malfunction, etc.

❗
Compulsory

Take these actions for odd sound, odor, smoke or abnormalities:

1. Grasp AC Charger to unplug it.
2. Power off.
3. Remove Battery from handset, being careful of burn or injury.
Continued use may cause fire, electric shock, etc.

🚫
Prohibited

Keep liquids (water, pet urine, etc.) or conductive material (pencil lead, metallic strip, metal jewelry, hairpin, etc.) away from charging terminals, External Device Port and Headphone Port.

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

⚠ CAUTION

🚫
Prohibited

Do not place handset on unstable/uneven surfaces.

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

❗
Compulsory

Keep handset or related hardware out of infants' reach.

Infants may swallow handset or related hardware resulting in injuries.

❗
Compulsory

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

Failure to do so may result in injuries.

Battery

Check battery type on Battery label. Properly use and dispose of Battery according to type.

Label	Battery Type
Li-ion 00	Lithium-ion polymer battery

⚠ DANGER

🚫
Prohibited

Do not dispose of Battery in fire.

May cause Battery to leak, rupture, ignite, etc.

🚫
Prohibited

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

May cause Battery to leak, overheat, rupture, ignite, etc.

🚫
Prohibited

Keep metal objects (pins, etc.) away from Battery terminals. Do not carry or store conductive materials (e.g. pencil lead, metal fragments, metal necklaces, hairpins, etc.) together with Battery.

May cause Battery to leak, overheat, rupture, ignite, etc.

❗
Compulsory

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

Failing to do so may result in loss of eyesight, etc.

⚠ WARNING

❗
Compulsory

If battery fluid gets on your skin or clothing, immediately stop handset use and rinse with clean water.

Battery fluid may harm your skin, etc.

❗
Compulsory

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

May cause Battery to leak, overheat, rupture, ignite, etc.

❗
Compulsory

If you notice an unusual odor, overheating, discoloration, deformation, etc. while using, charging or storing Battery, remove it from handset and keep it away from fire. Be careful not to burn or injure yourself.

Continued use may cause Battery to leak, overheat, rupture, ignite, etc.

❗
Compulsory

Do not allow pets to bite Battery.

May cause Battery to leak, overheat, rupture or ignite, or cause device malfunction or fire.

⚠ CAUTION

🚫
Prohibited

Do not dispose of Battery together with ordinary waste.

Bring to a recycling center or SoftBank Shop after insulating the terminals with tape. Be sure to observe local regulations on battery disposal.

Handset

⚠ WARNING

🚫 Prohibited

Do not use handset while driving or cycling.

Accidents may result. Phone use while driving or cycling is prohibited by law and subject to a penalty; park legally before use.

❗ Compulsory

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

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

❗ Compulsory

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

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

❗ Compulsory

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

May cause heart damage.

❗ Compulsory

During thunderstorms, power off immediately and seek shelter.

Lightning strikes or electric shock may occur.

🚫 Prohibited

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

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

⚠ CAUTION

🚫 Prohibited

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

Handset use may affect devices and lead to unsafe driving.

❗ Compulsory

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

Metal and other materials may cause skin irritation, rashes, or itchiness depending on your physical condition.
For more information, see Materials.

🚫 Prohibited

Keep handset away from magnetic cards, etc.

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

❗ Compulsory

Handset may become hot while in use, especially at high temperature.

Prolonged contact with skin may cause burn injuries.

🚫 Prohibited

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

Excessive volume may damage ears or hearing.

❗ Compulsory

Moderate handset Volume when using Headsets.

Prolonged use and excessive volume may damage ears or hearing.

AC Charger & Micro USB Cable

⚠ WARNING

🚫
Prohibited

Do not cover/wrap AC Charger and Micro USB Cable while charging.

AC Charger and Micro USB Cable may overheat, resulting in fire, malfunction, etc.

🚫
Prohibited

Use the specified voltage only.

Non-specified voltages may cause fire or malfunction.
AC Charger: 100 V to 240 V AC (household AC outlet only)
Do not use power adapters. Doing so may cause fire, electric shock or malfunction.

Disconnect
Power Source

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

May cause electric shock, fire or malfunction.

Disconnect
Power Source

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

May cause electric shock, smoke or fire.

❗
Compulsory

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

May cause fire.

❗
Compulsory

Do not place electrically conductive objects (pencil lead, metallic strip, metal jewelry, hairpin, etc.) in contact with the plug or charging terminals.

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

Do Not Use
Wet Hands

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

May cause electric shock or malfunction.

🚫
Prohibited

Do not touch Charger if thunder is audible.

May cause electric shock, etc.

⚠ CAUTION

Disconnect
Power Source

Grasp AC Charger to unplug it before cleaning.

May cause electric shock, etc.

❗
Compulsory

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

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

🚫
Prohibited

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

May cause injury or malfunction.

Handset Use & Electronic Medical Equipment

⚠ WARNING

🚫 Compulsory

Persons with an implanted pacemaker or defibrillator should keep handset at least 22 cm away from the device.

Radio waves may interfere with implanted pacemakers or defibrillators.

🚫 Compulsory

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

Handset radio waves may affect electronic medical equipment.

🚫 Compulsory

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

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

🚫 Compulsory

Power off in crowded places such as trains.

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

General Notes

General Use

・Handset transmissions may be disrupted inside buildings, tunnels or underground, or when moving into/out of such places.
・SoftBank Mobile is not liable for damages from accidental loss/alteration/repair of handset/SD Card information (Contacts, image/sound files, etc.). Back-up important information.
・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.
・SoftBank Mobile is not liable for any damages resulting from use of this manual and products described in this manual.
・Handset use near landlines, TVs or radios may cause interference.
・Beware of eavesdropping.
Digital signals reduce interception, however transmissions may be overheard. Deliberate/accidental interception of communications constitutes eavesdropping.
"Eavesdropping" means radio communication is received by another receiver deliberately or accidentally.
・Take a note of pattern, PIN, or password for canceling Screen Lock set with handset. If you forget them, visit your nearest SoftBank Shop to take necessary procedures. Note that saved or set data will be lost.
・Download and install applications on this handset via Google Play (developed by Google Inc.) at your own risk. SoftBank Mobile is not responsible for user installed application content (quality, reliability, legality, appropriateness, accuracy, etc.) or malfunctions installed applications may cause (due to viruses, etc.).

Handset care

· Handset is not water-proof. Avoid exposure to liquids and high humidity.
  - Keep handset away from precipitation.
  - Cold air from air conditioning, etc. may condense causing corrosion.
  - Do not put handset in damp places like bathrooms.
  - On the beach, keep handset away from sun and surf.
  - Perspiration in handset may cause malfunction.
  - Use Micro USB Cable and AC Charger indoors.
· If handset is left without Battery for an extended period or with an exhausted one, data may be altered/lost. SoftBank Mobile is not liable for any resulting damages.
· Use handset within temperatures of 0℃ to 40℃ and humidity 25% to 75%. Avoid extreme temperatures/direct sunlight.
· Handset may become warm during use or charging. This is not malfunction.
· Exposing lens to direct sunlight may damage color filter and affect image color.
· Soiled terminals may cause poor connection. If the terminals are dirty, use a dry cloth or cotton swab to wipe them clean.
· Clean handset with dry, soft cloth. Using alcohol, thinner, etc. may damage it.
· Avoid forceful rubbing or scratching handset Display.
· Do not subject handset to excessive force.
  - Do not sit down with handset in a back pocket.
  - Do not place heavy objects on a bag with handset inside.
· Do not remove nameplate from handset; doing so invalidates warranty.
· LCD is manufactured with high precision technology, however, some pixels may appear darker/brighter.
· When strong force is applied to Display or handset, a portion of Display may darken for a moment. This is not malfunction.
· Connect only specified products to External Device Port.
· While walking, moderate earphone volume to make sounds around you audible and help avoid accidents.
· When inserting/removing USIM Card or SD Card, make sure to power off first and remove Battery Cover/Battery. For removing procedures, see User Guide.
· If handset deactivates, freezes, or does not accept any input, remove and reinsert Battery, and then power on again.

Camera

· Do not expose Camera Lens to direct sunlight. Concentrated sunlight through Lens may cause handset to malfunction.
· Be sure to try taking and previewing pictures before using Camera on important occasions like wedding ceremonies.
· If you use handset in a wrongful manner, you may be punished according to laws or ordinances (nuisance prevention ordinance, etc.). Be considerate of privacy of others when taking/recording pictures/videos or sending images.
· Do not capture/record sold books or text prohibited from capturing/recording.

Urgent News (Japanese)

· Urgent News Setting is enabled by default.
· Urgent News messages appear in Japanese.
· Upon reception, Urgent News tone sounds even in Silent mode.
· Urgent News messages cannot be received during calls or other transmissions, or in poor signal conditions.
· Urgent News accuracy may vary with signal conditions/handset location.
· Enabling Urgent News may reduce Continuous Standby Time.
· SoftBank Mobile is not responsible for any losses associated with Urgent News reception, etc.

Bluetooth® & Wi-Fi (Wireless LAN)

· Handset Bluetooth® and Wi-Fi functions are certified to be in compliance with Japan radio standards. Handset does not require a wireless radio operator license for use.
· Given the above, the actions below may be punishable by law:
  - Disassembling/modifying handset
· Handset may not connect/operate correctly with all Bluetooth® or Wi-Fi devices.
· Handset complies with Bluetooth® and Wi-Fi security standards, however, communication may be intercepted depending on the environment/settings. Take care when using Bluetooth® or Wi-Fi.
· SoftBank Mobile is not responsible for data leaked via Bluetooth® or Wi-Fi communication.
· Bluetooth® and Wi-Fi devices operate on the same frequency band used by industrial or scientific machinery, consumer electronics (like microwave ovens), medical equipment, (licensed) premises radio stations used to identify mobile units used in manufacturing lines, (unlicensed) specified low power radios and (licensed) amateur radios.
1. Before using handset Bluetooth® or Wi-Fi functions, confirm that premises radio stations, specified low power radios, and amateur radios are not in use nearby.
2. If handset Bluetooth® or Wi-Fi function use interferes with premises radio stations, immediately change frequency band, or halt usage and take steps (set up a partition, etc.) to prevent crosstalk.
3. If handset Bluetooth® or Wi-Fi function use interferes with specified low power radios or amateur radios, contact SoftBank Customer Support, General Information.

Wireless Frequencies & Modulations

Bluetooth® and Wi-Fi frequency information appears on battery cavity label:

```
2.4FH1/DS4/OF4
■■■  ■■■  ■■■
```

2.4 : Frequency Band: 2.4 GHz
Modulations: FH-SS, DS-SS, OFDM
Estimated Range of Radio Frequency Interference
1: FHSS RFI up to 10 m
4: DSSS RFI up to 40 m
■■■ ■■■ ■■■ : Utilizes 2401 - 2483 MHz band with mobile device bandwidth differentiation

· Channels 1 to 13 can be set with handset Wi-Fi. Connection is available only to access points on these channels.
· Available channels vary by country.
· For use aboard aircraft, contact the airline beforehand.
· Wi-Fi use may be limited in some countries. Confirm local frequency availability/laws before use.

Wi-Fi (Wireless LAN) Cautions

Do not use Wi-Fi near magnetic devices such as electrical appliances or AV/OA devices, or radio waves.

· Magnetic/radio waves may hinder or disable communication. Avoid microwave ovens.
· Use near a TV or radio, etc. may cause interference; may affect TV reception.
· If there are multiple Wi-Fi access points using the same channel, search may fail.

Bluetooth® & Wi-Fi Device Interference

Bluetooth® and Wi-Fi (IEEE802.11b/g/n) operate on the same 2.4 GHz frequency band. When using Bluetooth® near Wi-Fi access points/devices, interference may hinder/block Bluetooth® communication. Move or turn off Wi-Fi device to restore Bluetooth® communication.

SIM Unlock

This handset is SIM Lock Free. Unlock SIM to use handset with another provider's SIM card.
Restrictions and precautions apply when using another provider's SIM card. For information, see SoftBank Mobile Website (http://mb.softbank.jp/en/#pagetop).

Copyrights

The rights of copyright holders to literary works, music, still images, video, computer programs, databases, etc. are protected by copyright laws. You may copy these materials for private use only. Copying for purposes other than the above (including data format conversion), modifying, transferring copies, distributing on networks may be subject of compensation for losses or of prosecution for "copyright infringement" or "copyright holder rights infringement." If copying using this product, observe copyright laws. Handset is equipped with cameras. Observe copyright laws when shooting with these cameras.

Electromagnetic Safety

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

FCC Notice

This mobile 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 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 0.439 W/kg, and when worn on the body in a holder or carry case, is 0.716 W/kg.

Body-worn Operation; This device was tested for typical body-worn operations with the back of the handset kept 1.0 cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.0 cm separation distance between the user's body and the back of the handset. The use of beltclips, holsters and similar accessories should not contain metallic components in its assembly.

The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided. The FCC has granted an Equipment Authorization for this model handset with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model handset is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/ea/ after searching on FCC ID QISU9201L.

Additional information on Specific Absorption Rates (SAR) can be found on CTIA-The Wireless Association® (CTIA) website at http://www.ctia.org/.

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 was 0.562 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 0.996 W/kg***. As SAR is measured utilizing the devices highest transmitting power the actual SAR of this device while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to reach the network.

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

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

** Please see Electromagnetic Safety for important notes regarding body worn operation.

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

World Health Organization
http://www.who.int/emf

List of Specific Absorption Rates (SAR) for radio waves by smartphone model
http://mb.softbank.jp/mb/support/sar/ (Japanese)

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

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

This mobile phone 201HW meets the MIC's**** technical regulation for exposure to radio waves.
The technical regulation* established permitted levels of radio frequency energy, based on standards developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.
The regulation employs a unit of measurement known as the Specific Absorption Rate, or SAR.
The SAR limit is 2 watts/kilogram (W/kg)** averaged over ten grams of tissue.
The limit includes a substantial safety margin designed to assure the safety of all persons, regardless of age and health.
The value of the limit is equal to the international guidelines recommended by ICNIRP*****.
The highest SAR value for this mobile phone is 0.801 W/kg when tested for use at the ear.
While there may be differences between the SAR levels of various phones and at various positions, all phones meet MIC's technical regulation.
Although the SAR is determined at the highest certified power level, the actual SAR of the phone during operation can be well below the maximum value.

Use at positions other than at the ear

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

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

For more information about SAR, see the following websites:

· Ministry of Internal Affairs and Communications (MIC)
  http://www.tele.soumu.go.jp/e/sys/ele/body/index.htm
· Association of Radio Industries and Businesses (ARIB)

  http://www.arib-emf.org/index02.html (Japanese)
* The technical regulation is provided in Article 14-2 of the Ministry Ordinance Regulating Radio Equipment.
** Provided for in "Radio-radiation protection guidelines," reported in 1997 by the Telecommunications Technology Council, Ministry of Posts and Telecommunications.
*** A method of measuring SAR when a mobile phone is used at positions other than at the ear was established in March 2010 through an international standard (IEC62209-2). MIC technical regulation was reported in October 2011 by the Information and Communications Council.
**** Ministry of Internal Affairs and Communications
***** International Commission on Non-Ionizing Radiation Protection

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

201HW User Guide Index

SoftBank 201HW User Guide