

Appendix

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Troubleshooting

Problem	Possible Cause	Solution
Handset does not turn on	Is battery empty?	Replace or charge battery.
	Is battery installed in handset?	Install battery correctly.
When power is turned on, PIN entry window appears	Is <i>PIN certification</i> set to <i>On</i> ?	If <i>PIN certification</i> is <i>On</i> , enter PIN.
When power is turned on, USIM Password entry window appears	Is <i>USIM lock</i> set to <i>On</i> ?	If <i>USIM lock</i> is <i>On</i> , enter USIM Password.
Please insert USIM card, Incorrect USIM or USIM card failed appears when handset is turned on or executing a function	Is USIM Card correctly installed?	Check to see if USIM Card is correctly installed. If the message appears even though USIM Card is correctly installed, it may be damaged.
	Is USIM Card still being loaded?	Try again after a while.
	Is an incorrect USIM Card being used?	Check to see if correct USIM Card is being used. Use USIM Card specified by SoftBank.
	Are there foreign particles on USIM Card IC chip?	Remove foreign particles with a clean, dry cloth, and then install USIM Card correctly.
圏外 or OUT appears and no calls can be placed	Handset is out-of-range.	Move to a place where the signal is stronger and try again.
Calls are interrupted or disconnected	Does 圏外 or OUT appear?	Move to a place where the signal is stronger and try again.
	Is battery empty?	Replace or charge battery.

Problem	Possible Cause	Solution
Unable to place a call	Is Call Barring set?	Deactivate Call Barring.
	Is <i>Offline mode</i> set to <i>On</i> ? (📵 appears)	Set <i>Offline mode</i> to <i>Off</i> .
Unable to open Phone Book entry, Data Folder, Call Log, Calendar, Notepad, Tasks, Yahoo! Keitai, or Messaging	Is <i>Function lock</i> set?	Cancel <i>Function lock</i> .
Clicking noise is heard during a call	-	Noise may be generated when signal is weak or while moving between coverage areas.
Unable to charge battery	Is AC Charger Connector securely inserted into handset?	Insert AC Charger Connector securely.
	Is AC Charger plug securely inserted?	Insert AC Charger plug securely.
	Is battery installed in handset?	Install battery correctly.
	Are handset terminals and AC Charger clean?	Clean contacts with a dry cotton swab.
	Was battery charged in ambient temperature below 5 °C or above 40 °C?	Charge battery in ambient temperature between 5 °C and 40 °C.
	Battery may need to be replaced.	Install a new battery.
	Does battery always lose its charge quickly after being charged?	Battery life has expired. Replace with a new battery.

Problem	Possible Cause	Solution
Unable to charge battery	Does handset or battery become very warm during charging?	If the temperature rises too much, charging may stop. After handset and battery are cool, retry charging.
Devices become hot	During charging, AC Charger may heat up. Handset may heat up during charging/long calls.	If handset is safe to touch, heat level is normal. If it is too hot to touch, immediately stop charging and contact Customer Service (☎P.15-31).
Battery drains quickly	Battery may drain quickly depending on the operating environment (ambient temperature, charging conditions, or signal strength), operations, and settings.	Use handset in an appropriate environment and reduce operations requiring high power (☎P.1-6).
Unable to watch TV	Is USIM Card removed? Is subscription terminated?	Unable to watch TV with no USIM Card inserted. Insert USIM Card. TV is enabled only during subscription period.
Display flickers	Is handset being used near fluorescent light?	Use handset as far away from fluorescent light as possible.
Display is dim or unlit	-	This may be due to the characteristics of Display and not a problem. The time until Display is dimmed or unlit can be changed by adjusting the Backlight time.
Unable to play music via speaker	Is Manner mode set? Is the Stereo Earphone Microphone connected?	Cancel Manner mode . Disconnect the connector for the Stereo Earphone Microphone (optional) from handset.

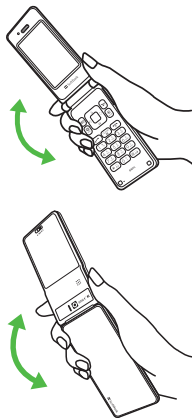
Problem	Possible Cause	Solution
Too many applications are already running. appears	Too many functions are active.	Close some.
Unable to establish USB connections using Samsung New PC Studio	Is the USB driver installed? (for USB connection)	If communications are executed connecting to a personal computer with USB cable, installing the driver is required. Download USB Driver Installer from SAMSUNG Website (http://jp.samsungmobile.com/pc/lineup/840download.html) and install the driver.
	Is the connection method set correctly on the personal computer?	Set the connection method to USB on the Connection Manager of Samsung New PC Studio or the Connection Wizard for the communication in use.
	Are PC USB connection port and Samsung New PC Studio the same?	Make sure port settings match those set for Samsung New PC Studio Connection Manager or Connection Wizard.
Phone Book entry, Message folder, schedule event in Calendar, or Tasks do not appear	In Security , is Secret mode set to Hide ?	In Security , set Secret mode to Show .
	Is Secret under each function set to On ?	Select Unlock temporarily from ☒ on the window to view information.

Problem	Possible Cause	Solution
Sub folder does not appear	In <i>Security</i> , is <i>Secret data folder</i> set to <i>Hide</i> ?	In <i>Security</i> , set <i>Secret data folder</i> to <i>Show</i> .
	Is <i>Secret</i> under each function set to <i>On</i> ?	Select <i>Unlock temporarily</i> from  on the window to view information.
Sending message failed appears	If send fails, error message and reason appear.	Confirm reason and try again.
Service not allowed appears	Handset is outside the service area.	Send from within the service area.
Sending operation cannot be operated in offline mode appears	In <i>Offline mode</i> , handset transmissions are disabled.	Set <i>Offline mode</i> to <i>Off</i> (ⓘP.1-11).
Storage space short by * * bytes. Edit data folder files? appears	Handset memory is full.	Delete unnecessary files and try again.
Cannot download. File corrupt. appears	-	File cannot be downloaded; cancel download.
Unable to call via Stereo Earphone Microphone (Optional)	Is <i>Earphone call</i> set to <i>Off</i> ?	Even if <i>Earphone call</i> number is saved, if <i>Earphone call</i> is set to <i>Off</i> it will not be dialed. Set <i>Earphone call</i> to <i>On</i> (ⓘP.14-11).

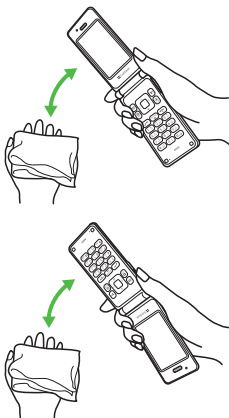
Drying Off Handset

If handset gets wet, follow these steps to dry it:

- 1 Wipe handset surface with dry cloth**
- 2 Firmly grasp hinges, and shake handset about 20 times**



- 3 Pat dry cloth on grooves (Microphone, Earpiece Speaker, etc.) to remove moisture**

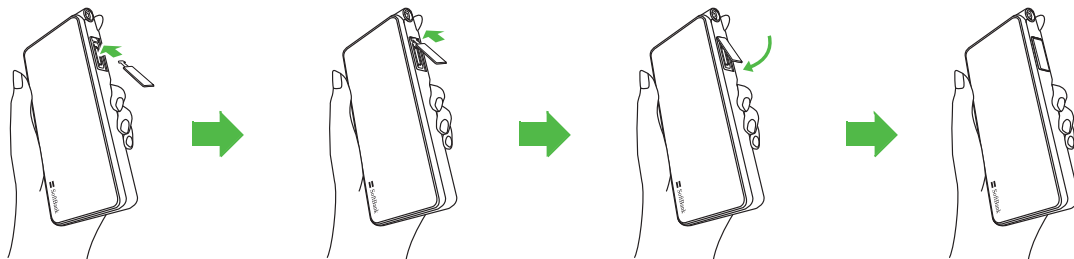


- 4 Leave handset for approximately two to three hours at room temperature**

Reattaching Port Cover

If Port Cover becomes detached from handset, follow these steps to reattach it:

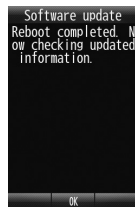
- 1 Follow steps illustrated below:



Software Update

SoftBank releases firmware updates. Download as required.

- 1  → **Tools** → **Convenient** → **Software update**
- 2 **Software update** →  (YES)
 - Handset connects to network.
- 3 **Yes**
 - Read **Terms of Use** before selecting **Yes**.
- 4  (OK)
 - Update starts. When complete, handset powers off and restarts; notification appears.



- For procedures, contact SoftBank Mobile Customer Service.
- Confirming/downloading updates does not incur fees.

Note

- Charge battery beforehand; if low, update may fail.
- If Scheduled Update Time arrives while handset is out-of-range, Software Update is canceled.
- Remain within strong, stable signal conditions.
- Handset Phone Book entries, media files, and other contents are not affected by software updates, but always back up important information (note that some files cannot be copied). SoftBank Mobile is not liable for damages from lost information, etc.
- Handset transmissions are disabled during update.
- Update may take some time to complete.
- Update failure may disable handset. Contact SoftBank Mobile Customer Center, Customer Assistance (☎P.15-31).
- If updated handset fails to restart, remove and reinsert battery then power on. If this fails, call SoftBank Mobile Customer Center, Customer Assistance (☎P.15-31).

Function List

Main Menu

To show the below items in Standby, press .

Main Menu Item	Page
Messaging	
Received msg.	P.4-21
Create new	P.4-3
Retrieve new	P.4-7
Drafts	P.4-11
Templates	P.4-11
Sent msg.	P.4-11
Unsent msg.	P.4-11
Server mail	P.4-24
Create new SMS	P.4-5
Settings	P.14-12
Memory status	P.4-25
Yahoo!	
Yahoo! Keitai	P.5-3
Menu list	P.5-3
Bookmarks	P.5-8
Saved pages	P.5-8
Last page	P.5-3
Web search	P.5-9
Enter URL	P.5-8
History	P.5-3
PC site browser	P.5-4
Browser settings	P.14-16

Main Menu Item	Page
S! Appli	
S! Appli List	P.9-3
Settings	P.14-23
Demand history	P.9-3
Entertainment	
S! Information Channel/ Weather	P.9-5
S! Quick News	P.9-3
Free Contents	P.9-5
S! Contents Store	P.9-5
S! Addressbook Back-up	P.13-9
Camera	
Camera	P.7-6
Video camera	P.7-10
Bar code reader	P.10-8
Dynamic effect	P.7-12
Photo album	P.7-12
Media	
Music	P.8-4
Movie	P.8-7
Streaming	P.5-7
Settings	P.14-22
Tools	
Life	
Alarm	P.10-3
Calendar	P.10-4
Tasks	P.10-5
UV checker	P.10-11
Photo album	P.7-12
Stopwatch	P.10-6

Main Menu Item	Page
Tools	
Life	
World clock	P.10-7
Good night timer	P.10-7
Convenient	
Calculator	P.10-8
Notepad	P.10-8
Bar code reader	P.10-8
Infrared	P.13-3
Converter	P.10-10
Dutch treat	P.10-6
Voice recorder	P.10-11
File viewer	P.10-12
Dummy call	P.10-13
Dictionary	P.10-14
Software update	P.15-7
Data Folder	
Pictures	P.15-19
Digital camera	P.15-19
My Pictograms	P.15-19
Mail Art	P.15-19
Ring songs · tones	P.15-19
S! Appli	P.15-19
Music	P.15-20
Videos	P.15-20
Books	P.15-20
Message templates	P.15-20
Flash@	P.15-20
Flash@ Ringtones	P.15-20

Main Menu Item	Page
Data Folder	
Other documents	P.15-20
Memory status	P.12-3
Infrared	
Receive	P.13-4
Transfer my details	P.14-26
Transfer files	P.14-26
Transfer all	P.13-3
TV	
Watch TV	P.6-4
Program guide	P.6-5
TV links	P.6-5
TV player	P.6-8
Reservation list	P.6-8
Settings	P.14-18
Phone	
Phonebook	P.2-13
Create new entry	P.2-13
Call log	P.3-9
Play answering machine	P.3-8
Call voice mail	P.3-15
My details	P.1-10
Group settings	P.2-20
Favorites	P.3-6
Mail group	P.4-13
S! Addressbook Back-up	P.13-9
Settings	P.14-12
Memory status	P.14-25

Main Menu Item	Page
Settings	
Sound settings	P.14-4
Display settings	P.14-5
Phone settings	P.14-2
Menu switch	P.2-3
Security	P.14-24
Call settings	P.14-7
Manner mode settings	P.14-7
Connectivity	P.14-26
Network settings	P.14-26
Memory settings	P.14-25
Backup & Restore	P.14-25

Simple Mode Menu

Below are menu items shown in Main Menu when setting simple mode.

Main Menu Item	Page
Messaging	
Received msg.	P.4-21
Create new	P.4-3
Drafts	P.4-11
Templates	P.4-11
Sent msg.	P.4-11
Unsent msg.	P.4-11
Create new SMS	P.4-5
Settings	P.14-12
Yahoo!	
Yahoo! Keitai	P.5-3
Menu list	P.5-3
Bookmarks	P.5-8
Saved pages	P.5-8
Last page	P.5-3
Web search	P.5-9
History	P.5-3
Browser settings	P.14-16
Calendar	P.10-4
Tools	
Alarm	P.10-3
Calculator	P.10-8
Notepad	P.10-8
Tasks	P.10-5
Photo album	P.7-12
Dutch treat	P.10-6

Main Menu Item	Page
Tools	
Bar code reader	P.10-8
Infrared	P.13-3
Music	P.8-4
Movie	P.8-7
Voice recorder	P.10-11
Stopwatch	P.10-6
Camera	
Camera	P.7-6
Video camera	P.7-10
Bar code reader	P.10-8
Photo album	P.7-12
Data Folder	
Pictures	P.15-19
Digital camera	P.15-19
My Pictograms	P.15-19
Mail Art	P.15-19
Ring songs · tones	P.15-19
S! Appli	P.15-19
Music	P.15-20
Videos	P.15-20
Books	P.15-20
Message templates	P.15-20
Flash®	P.15-20
Flash® Ringtones	P.15-20
Other documents	P.15-20
Memory status	P.12-3

Main Menu Item	Page
TV	
Watch TV	P.6-4
TV player	P.6-8
Reservation list	P.6-8
Settings	P.14-18
Phone	
Phonebook	P.2-13
Create new entry	P.2-13
Call log	P.3-9
Play answering machine	P.3-8
Call voice mail	P.3-15
My details	P.1-10
Favorites	P.3-6
Mail group	P.4-13
Settings	P.14-12
Settings	
Sound settings	P.14-4
Display settings	P.14-5
Phone settings	P.14-2
Menu switch	P.2-3
Security	P.14-24
Call settings	P.14-7
Manner mode settings	P.14-7
Connectivity	P.14-26
Memory settings	P.14-25
Backup & Restore	P.14-25

Default Mode Settings

Default Volume and Ringtone settings vary depending on mode. Change incoming transmission response by mode. Available items vary by mode. See defaults below (P.14-7).

Item \ Mode	Normal	Manner	Drive	Meeting	Outdoor
Volume					
Voice call	Level 3	N/A	N/A	Off	Level 5
Video call	Level 3	N/A	N/A	Off	Level 5
Message	Level 3	N/A	N/A	Off	Level 5
Missed call notification	Level 3	N/A	N/A	Off	Level 5
S! Quick News	Off	N/A	N/A	Off	Off
Delivery report	Level 3	N/A	N/A	Off	Level 5
Phone sounds	Level 3	N/A	N/A	Off	Level 5
Ringtone (Ringtone : Duration)					
Voice call	Samsung Tune	N/A	N/A	Samsung Tune	Samsung Tune
Video call	Samsung Tune	N/A	N/A	Samsung Tune	Samsung Tune
Message	Samsung Tune : 5 seconds	N/A	N/A	Samsung Tune : 5 seconds	Samsung Tune : 5 seconds
Missed call notification	BusinessTone : 5 seconds	N/A	N/A	BusinessTone : 5 seconds	BusinessTone : 5 seconds
S! Quick News	BusinessTone : 5 seconds	N/A	N/A	BusinessTone : 5 seconds	BusinessTone : 5 seconds
Delivery report	BusinessTone : 5 seconds	N/A	N/A	BusinessTone : 5 seconds	BusinessTone : 5 seconds
Vibration					
Voice call	Off	Pattern 1	N/A	Off	Off
Video call	Off	Pattern 1	N/A	Off	Off
Message	Off	Pattern 1	N/A	Off	Off
Missed call notification	Off	Pattern 1	N/A	Off	Off
S! Quick News	Off	Off	N/A	Off	Off
Delivery report	Off	Pattern 1	N/A	Off	Off
Phone sounds¹					
Keypad tones	Off	N/A	N/A	Off	Off
System sounds	Several tones on	Alerts on call	N/A	Alerts on call	Several tones on

Item	Mode	Normal	Manner	Drive	Meeting	Outdoor
External light						
	Incoming					
	Voice call	Pattern 4	Pattern 4	Pattern 4	Pattern 4	Pattern 4
	Video call	Pattern 4	Pattern 4	Pattern 4	Pattern 4	Pattern 4
	Message	Pattern 1	Pattern 1	Pattern 1	Pattern 1	Pattern 1
	Missed call notification	Pattern 4	Pattern 4	Pattern 4	Pattern 4	Pattern 4
	S! Quick News	Pattern 3	Pattern 3	Pattern 3	Pattern 3	Pattern 3
	Alarms	Pattern 2	Pattern 2	Pattern 2	Pattern 2	Pattern 2
	Delivery report	Pattern 1	Pattern 1	Pattern 1	Pattern 1	Pattern 1
	Notification					
	Missed call	Pattern 4	Pattern 4	Pattern 4	Pattern 4	Pattern 4
	Message	Pattern 3	Pattern 3	Pattern 3	Pattern 3	Pattern 3
	Answering Machine	Pattern 3	Pattern 3	Pattern 3	Pattern 3	Pattern 3
	Missed call notification	Pattern 4	Pattern 4	Pattern 4	Pattern 4	Pattern 4
	Missed alarm ²	Pattern 2	Pattern 2	Pattern 2	Pattern 2	Pattern 2
	Delivery report	Pattern 1	Pattern 1	Pattern 1	Pattern 1	Pattern 1
	Close folder	Pattern 2	Pattern 2	Pattern 2	Pattern 2	Pattern 2
	Answering machine	Off	Off	N/A ³	Off	Off

¹In Manner mode, System sounds can be set; Phone sounds is not available.

²Setting for missed schedule (🔔 P.10-14) or task (🔔 P.10-16) notification (not for Alarm (🔔 P.10-3) or Alarm in Schedule or Tasks).

³Answering machine activates automatically in Drive mode and cannot be disabled.

Text Entry Window Key Assignments

Multiple characters are assigned to each key. Press a key repeatedly until the target character appears.

Press  to change text entry mode.

Press  to switch to Symbols, press  to toggle Pictograms and Emoticons.

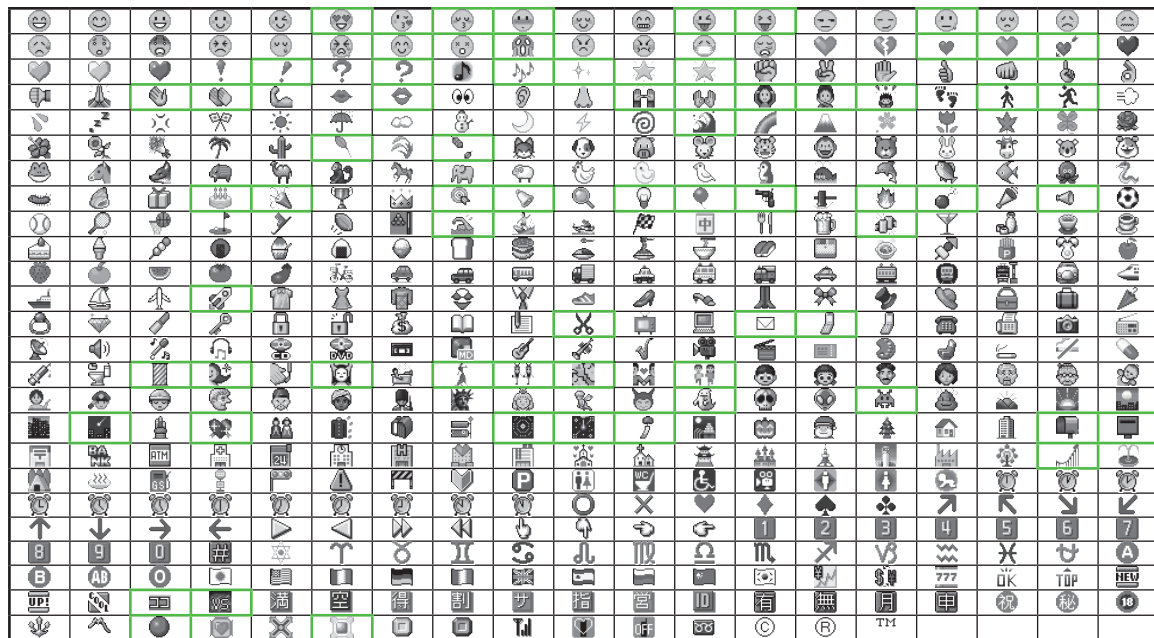
Key	Kanji/Hiragana	Katakana	Alphanumerics	Numbers
	あいうえおあいうえお 1	アイウエオアイウエオ 1	.@_/:~ ¹ 1	1
	かきくけこ 2	カキクケコ 2	ABCabc2	2
	さしすせそ 3	サシスセソ 3	DEFdef3	3
	たちつとっ 4	タチツテトッ 4	GHIghi4	4
	なにぬねの 5	ナニヌネノ 5	JKLjkl5	5
	はひふへほ 6	ハヒフヘホ 6	MNOmno6	6
	まみむめも 7	マミムメモ 7	PQRSpqrs7	7
	やゆよゃゅょ 8	ヤユヨャュョ 8	TUVtuv8	8
	らりるれろ 9	ラリルレロ 9	WXYZwxyz9	9
	わをんー <Space> 0	ワヲンー <Space> 0	'<Space>0	0
	- Add * / to unfixed, convertible kana - Toggle capital letter/lower case for convertible kana.		• Toggle upper/lower-case (only before fixing and convertible character for entering alphabets)	-
	、。！？ <Line break>		„!?!<Line break>	#
	• Reverse toggle characters assigned to the same key before finalizing character selection			-
	• Change entry mode			
	• Change Entry mode to Pictogram/Symbol/Emotion			

¹When double-byte, "~" cannot be used (" ~ " appears on Display).

␣,.,!?"#\$%&'()*+,-./:;
<=>@[¥]^_`{|}~「」.-°

Symbol Label	Symbol	Symbol Label	Symbol
あっと	@ @	こめ	※
いこーる	= =	ころん	: :
えん	¥¥	さんかく	△ ▲ ▽ ▼
おんぷ	♪	しかく	◇ ◆ □ ■
かける	×	どう	＞ // 全々
かっこ	「 」 『 』 [] { } 『 ” ” () [] [] { } < > < >	ばーせんと	% %
		ほし	☆ ★
		まる	○ ● ◎
から	～	やじるし	→ ← ↑ ↓

Pictograms



- Pictograms with are animated.
- Some pictograms and animated pictograms may not appear properly on some models of SoftBank handsets or other devices.

Memory

S! Mail/ SMS (Phone memory)	Received msg.	Up to 1000 messages or 10MB
	Drafts	Up to 20 messages or 3MB
	Sent msg.	Up to 500 messages or 5MB
	Unsent msg.	Up to 20 messages or 3MB
SMS	USIM Card	Up to ten messages
Data Folder	Pictures	Up to 999 items (files/sub-folders) per folder or 200MB
	My pictograms	
	Mail Art	
	Ring songs · tones	
	S! Appli	
	Music	
	Videos	
	Books	
	Message Templates	
	Flash®	
	Flash® Ringtones	
	Other Documents	
Calendar/ Tasks	Up to 500 schedules/tasks	
Notepad	Up to 100 memos	
Phonebook	Handset	Up to 1000 members
	USIM Card	Up to 50 members

Specifications

Handset specifications may change without prior notice.

SoftBank 840SC

Item	Specification
Weight*	120.8 g
Continuous Talk Time*	3G Voice Call: 240 minutes 3G Video Call: 130 minutes
Continuous Standby Time* (Display off)	3G Network: 400 hours
Dimensions (W x H x D)*	50.0 x 109.95 x 15.4 mm
Maximum Output	0.25 W

*Approximate value

- Handset with battery installed.
- Battery Time is calculated by SoftBank Mobile under stable signal conditions. Calling in poor signal conditions or leaving handset on out-of-range will consume more power and may reduce Battery Time by more than half.
- Frequent handset operations requiring Backlight (e.g., Yahoo! Keitai) may reduce Continuous Talk Time and Continuous Standby Time.
- Using video for Wallpaper may significantly reduce Continuous Talking and Continuous Standby Time.
- Continuous Talk Time is an average measured with a battery in stable signal conditions. Continuous Standby Time is an average measured with a new, fully charged battery with handset closed without calls or operations, in Standby, in stable signal conditions. Alternating between usage and Standby shortens Continuous Talk Time and Continuous Standby Time. Talk Time/Standby Time may vary by environment (battery status, ambient temperature, etc.).

Materials & Finishing

Parts	Materials & Finishing
Housing (upper)	PC/SPRAY
Housing (lower)	PC+GF20% (STS INSERT)/SPRAY
Housing (front)	PC+GF20%/SPRAY
Housing (rear)	PC+GF20%/SPRAY
Upper DECO	PC/SPRAY
Keypad	PC/SPRAY
Side Key	PC+POLYURETHANE/SPRAY
Battery Cover	PC+GF20%/SPRAY

Battery

Item	Specification
Voltage	3.7 V
Type	Lithium-ion
Capacity	880 mAh
Dimensions (W x H x D)	Approximately 36.0 x 43.6 x 5.5 mm (excluding protruding parts)

Phone Book

Each entry contains these items:

Item/Description	Location
Last name	
Double/single-byte (saved to Name in USIM Card Phone Book)	Handset: Yes (up to 50 bytes) USIM Card: Yes ¹
First name	
Double/single-byte (saved to Name in USIM Card Phone Book)	Handset: Yes (up to 50 bytes) USIM Card: Yes ¹
Reading last name	
Single-byte (saved to Reading name in USIM Card Phone Book)	Handset: Yes (up to 50 bytes) USIM Card: Yes ¹
Reading first name	
Single-byte (saved to Reading name in USIM Card Phone Book)	Handset: Yes (up to 50 bytes) USIM Card: Yes ¹
Phone number	
Saved with area code	Handset: Yes (five entries/up to 32 bytes) USIM Card: Yes ^{1 2}
Phone icon	
Select one of seven icons	Handset: Yes USIM Card: No ³
E-mail address	
Single-byte alphanumerics	Handset: Yes (five entries/up to 128 bytes) USIM Card: No

Item/Description	Location
E-mail address icon	
Select one of four icons	Handset: Yes USIM Card: No
Picture	
Still image appears for incoming calls	Handset: Yes
Select a Data Folder image/Character icon or capture with Camera	USIM Card: No
Group	
Select from original five groups including No group , and added group Maximum 16 groups can be added.	Handset: Yes USIM Card: Yes ²
Birthday	
Date of birth	Handset: Yes USIM Card: No
Blood type	
Select one of four types or None	Handset: Yes USIM Card: No
Address	
Post code (40 bytes), Country (64 bytes), Province, City, Street and Additional information (128 bytes)	Handset: Yes (two entries) USIM Card: No
Address icon	
Select one of three icons	Handset: Yes USIM Card: No
Homepage	
Enter up to 1,024 bytes	Handset: Yes (two entries) USIM Card: No

Item/Description	Location
Homepage icon	
Select one of three icons	Handset: Yes USIM Card: No
Company	
Enter up to 64 bytes	Handset: Yes USIM Card: No
Job title	
Enter up to 64 bytes	Handset: Yes USIM Card: No
Memo	
Enter up to 512 bytes	Handset: Yes USIM Card: No
Secret mode	
On/Off	Handset: Yes USIM Card: No
Ringtone	
Voice Call/Video Call/Messages Selectable from Data Folder	Handset: Yes USIM Card: No
Vibration	
Set Vibration for Voice Call/Video Call/Messages Selectable from Data Folder	Handset: Yes USIM Card: No

¹Number of savable characters varies depending by USIM Card.

²Number of savable items varies depending by USIM Card.

- If different USIM Card (with saved entries) is inserted, copy saved USIM entries to handset confirmation appears when handset is first powered on. Choose **Yes** to copy entries.

Image Size

Capturing options and corresponding image sizes:

Capture Mode	Image Size
Normal Scene	3.1M (1536x2048)
	Wide2.4M (1232x2048)
	2M (1200x1600)
	Wide1.5M (960x1600)
	Wide1.0M (768x1280)
	0.3M (480x640)
Multi shot Photo combi	Wallpaper (240x400)
	Mail (240x320)
Panorama shot	Wallpaper (400x240) Mail (320x240)
Video	QVGA (320x240)
	QCIF (176x144)
	SQCIF (128x96)
	S! Mail (176x144) S! Mail (128x96)

Media Player

Player	File (Extension)
Music	MPEG4 Audio (mp4, m4a*, or 3gp (sound only)), SoftBank Music Contents (smc)
Movie	MPEG4 (mp4, 3gp), H.263, H.264

*If Album art is saved in m4a, it is played in window.

- To play a music file in a format other than above, select it from **Ring songs • tones**. Even compatible files must be saved in **Ring songs • tones** to play.

Note

Movie files exceeding 320 x 240 (mp4 or 3gp) in resolution cannot be played.

File Type

Folder/Description	File Type ¹
 Pictures	
Image files captured with handset camera	JPEG, BMP, GIF, WBMP, PNG, Animation GIF
 Digital camera	
Image files captured with the handset Camera (available only when Memory Card is inserted)	JPEG
 My Pictograms	
Downloaded Pictograms	GIF, GPK
 Mail Art	
Image related to message	JPEG, GIF
 Ring songs • tones	
Voice Recorder files, downloaded music, and other sound files	 SMAF, MIDI, SP-MIDI, SMF, Mobile XMF,  MPEG4 Audio,  AMR
 S! Appli	
Download S! Appli	JAD, JAR

Folder/Description	File Type ¹
Music	
Downloaded Chaku-Uta®	MPEG4 Audio (mp4, m4a, 3gp), smc
Videos	
Handset video files	MPEG4 (mp4, 3gp) ²
Books	
Download Books	CCF
Message Templates	
S! Mail Templates	HMT
Flash®	
Downloaded Flash® files	SWF
Flash® Ringtones	
Assignable downloaded Flash® files	SWF
Other documents	
Document, graphic, vcf, vcs ³ , etc. files requiring File viewer for use on handset.	vcf file vcs file URL EML PDF XLS DOC PPT TXT HTML VNT OPML Unsupported file

¹Files are saved by type. Files cannot be moved to or saved in folders that do not support them.

²Files exceeding 320 x 240 resolution cannot be played.

³Use vcf, vcs files to send or transfer handset files via S! Mail, etc. Handset supports vcf file, for Phone Book entries, and vcs file for Task/Schedule.

Warranty & Service

Headset specification may change without prior notice.

Warranty

Handset purchase includes Warranty.

- Confirm shop name and date of purchase.
- Read through the contents of the Warranty and keep it in a safe place.
- The warranty period can be found in the Warranty.

SoftBank Mobile is not liable for damage to you or a third party from missed calls, etc. due to handset failure or malfunction, etc.

Repair Requests

Before submitting handset for repair, consult "Troubleshooting" (P.15-2) for a solution. If a problem persists, contact SoftBank Mobile Customer Center, General Information (P.15-31) or the nearest SoftBank Shop; be prepared to describe problem in detail.

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

Note

- **Handset files and settings may be lost or altered due to accidents or repairs. Keep a copy of important files, etc. like Phone Book entries. SoftBank Mobile is not liable for damage resulting from accidental loss or alteration of handset files (Phone Book, Data Folder, etc.) or settings.**
- **Disassembling or modifying this product may be a violation of the Radio Law. Note that SoftBank Mobile will not accept repair requests for disassembled or modified products.**

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Customer Service

For SoftBank Mobile handset or service information, call General Information. For repairs, call Customer Assistance.

SoftBank Mobile Customer Center
From a SoftBank handset, dial 157 for General Information, or 113 for Customer Assistance, toll free.

SoftBank Mobile Global Call Center
From outside Japan, dial +81-3-5351-3491. (please take care to dial correctly. International charges will apply.)

Call these numbers toll free from landlines.

Subscription Areas	Contact	
Hokkaido, Aomori, Akita, Iwate, Yamagata, Miyagi, Fukushima, Niigata, Tokyo, Kanagawa, Chiba, Saitama, Ibaraki, Tochigi, Gunma, Yamanashi, Nagano, Toyama, Ishikawa, Fukui	General Information	☎ 0088-240-157
	Customer Assistance	☎ 0088-240-113
Aichi, Gifu, Mie, Shizuoka	General Information	☎ 0088-241-157
	Customer Assistance	☎ 0088-241-113
Osaka, Hyogo, Kyoto, Nara, Shiga, Wakayama	General Information	☎ 0088-242-157
	Customer Assistance	☎ 0088-242-113
Hiroshima, Okayama, Yamaguchi, Tottori, Shimane, Tokushima, Kagawa, Ehime, Kochi, Fukuoka, Saga, Nagasaki, Oita, Kumamoto, Miyazaki, Kagoshima, Okinawa	General Information	☎ 0088-250-157
	Customer Assistance	☎ 0088-250-113