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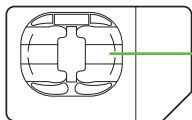
Appendix



About USIM Card

USIM Card is an IC card containing customer and authentication information, including the handset number. USIM Card must be inserted to use this handset. Save Phone Book entries on USIM Card Phone Book to use them on other SoftBank handsets. Depending on the USIM Card in use, some entry items may not be supported, and some limits (character entry, etc.) may be lower.

Precautions



IC Chip

- Do not insert USIM Card into any other IC card device. SoftBank Mobile is not liable for resulting damages.
- Keep the USIM Card IC chip clean; malfunction may result. Clean with soft dry cloth.
- Do not attach labels to USIM Card. Malfunction may result.

Important

- USIM Card is the property of SoftBank Mobile.
- USIM Card will be reissued for a fee if lost or damaged.
- Return USIM Card to SoftBank Mobile upon subscription termination.
- Returned USIM Cards are recycled.
- USIM Card specifications may change without prior notice.
- Back up USIM Card files. SoftBank Mobile is not liable for lost files.
- If your USIM Card or handset (with USIM Card inserted) is lost or stolen, suspend your service immediately. For details, contact SoftBank Mobile Customer Center, General Information (P.15-41).

USIM PIN

4-digit code (**9999** by default); activate PIN Entry to restrict usage.

PUK Lock

- Entering incorrect PIN three consecutive times activates PIN Lock, limiting handset use.

Canceling PIN Lock

- Contact SoftBank Mobile Customer Center, General Information (P.15-41) for your Personal Unblocking Key (PUK Code) and follow these steps:

Enter PUK Code ➡ ● ➡ **Enter new PIN** ➡ ● ➡ **Re-enter new PIN** ➡ ●

- Write down PUK code.

PUK Lock

- Entering incorrect PUK Code ten consecutive times activates PUK Lock, disabling handset. Contact SoftBank Mobile Customer Center, General Information (P.15-41) for recovery.

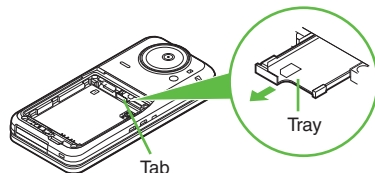


USIM Card Installation

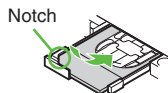
- Do not apply excessive force to insert/remove USIM Card.
- USIM Card must be inserted to use this handset.

Inserting

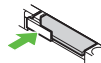
- 1 Remove battery (P.15-4)
- 2 Using Tab, pull out Tray as shown until it clicks



- 3 Slide in USIM Card with IC chip facing up



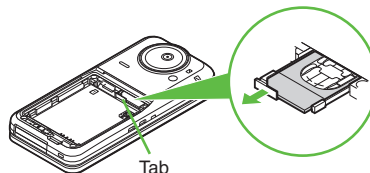
- 4 Push in Tray fully



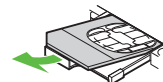
- Reinstall battery (P.15-4).

Removing

- 1 Remove battery
- 2 Using Tab, pull out Tray as shown until it clicks



- 3 Lift and slide out USIM Card as shown



- Reinstall battery.
- Take care not to lose removed USIM Card.

After Repairs, USIM Card Replacement or Handset Upgrade/Replacement

- Some downloaded files may be inaccessible. In addition, S! Applications, BookSurfing® and Near Chat may be disabled after USIM Card replacement.



Battery Installation

About Battery

- Charge battery at least once every six months; an uncharged battery may become unusable or affect files/settings.
- Depending on usage, bulges may appear near end of battery life; this does not affect safety.
- Replace battery if operating time shortens noticeably.
- Clean device charging terminals with a dry cotton swab.
- To maintain water resistance, close Battery Cover properly.
- Battery is not waterproofed.

Lithium-ion Battery

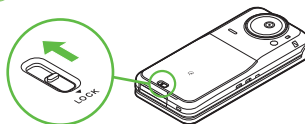
- This product requires a lithium-ion battery. Lithium-ion batteries are a recyclable resource.



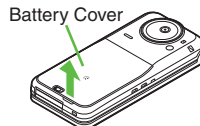
- To recycle a used lithium-ion battery, take it to any shop displaying the symbol shown above.
- To avoid fire or electric shock, do not short-circuit or disassemble battery.

Inserting & Removing

1 Unlock Battery Cover

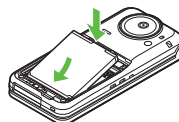


2 Remove cover



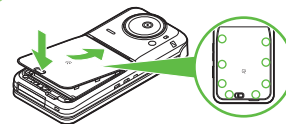
- Lift as shown.

3 Insert battery



- With logo side up, fit tabs into battery cavity slots.

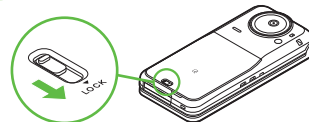
4 Close cover



Press firmly along edges

- Fit cover top into slot, then press down firmly.

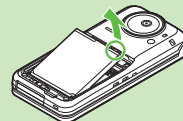
5 Lock cover



- Slide switch as shown until it clicks.
- Close cover firmly. Water may seep inside handset when there is debris between cover and base.

Removing

- Power handset off and lift battery as shown.



Software Update

Check for firmware updates and download as required.

Precautions

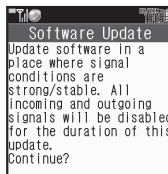
- Update failure may disable handset. To reduce failure risk, make sure signal is strong and stable, and charge battery beforehand.
- Update will not start if other functions are in use. Before updating software (or before scheduled update time), end all active functions/applications.
- Disconnect USB Cable beforehand to reduce failure risk.
- Solar charging is not available during Software Update.
- Always back up important information. SoftBank Mobile cannot be held liable for damages from lost information, etc.

Updating Software

- Packet transmission fees do not apply to updates (including checking, downloading and rewriting).
- Handset is disabled until update is complete. Update may take up to approximately 30 minutes.

1  ➔ **Settings** ➔  ➔ **In Phone menu, Software Update** ➔ 

2 **Software Update** ➔ 



- Follow onscreen instructions.

Setting Update Period (Japanese)

In , **Update Period** ➔ 

- Follow onscreen instructions.

Update Result

In , **Update Result** ➔ 

Scheduled Update

Confirmation appears at scheduled update time. Press  or wait a while for update to start.

When Updated

Update success notification appears and handset reboots.

After reboot, completion message appears and Information window opens.

Update Result

While Information window appears, **Update Result** ➔ 

Reboot Failure

- If handset does not return to Standby after update, power handset off, reinsert battery, then restart it. If it still does not restart, contact SoftBank Mobile Customer Center, Customer Assistance (P.15-41).



Cleaning Handset

Washing Handset

With Battery Cover locked, hold handset approximately 10 cm below faucet or shower head and wash with low-pressure tap water (6 liters/min. or lower) at normal temperature (5°C - 35°C). Wash with your hands, taking care not to open the covers; do not use a brush or sponge. Dry handset before use.

- Before washing handset, make sure that Battery Cover and Port Covers are closed firmly.
- Do not use a washing machine or ultrasonic cleaner.
- Do not place handset in a microwave oven to dry it. Battery/handset may leak, burst, overheat or ignite; may cause malfunction, accident or injury.
- Do not dry handset by exposing it to extreme heat (e.g., hot air from dryers, etc.); may cause warping, discoloration or damage.

Drying Handset

Dry these parts/areas after washing handset:

Hinge

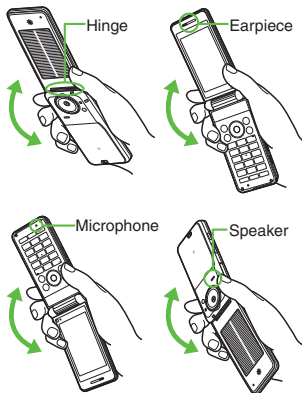
Earpiece

Microphone

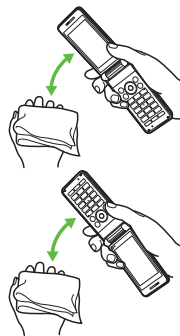
Speaker

1 Wipe handset surface with dry cloth

2 Holding hinge firmly by its sides, shake handset about 20 times



3 Pat against dry cloth to remove moisture from grooves



4 Leave handset on dry cloth for approximately 2 - 3 hours at room temperature

Do Not Use Wet Handset

- Voice quality may be affected, or moisture may transfer to clothes, bag, etc.
- Moisture may short-circuit External Device Port.
- Exposure to cold may freeze moisture causing malfunction.



Troubleshooting

■ General

Problem	Possible Cause	Solution
Handset won't power on	Was  pressed long enough?	Press  longer.
	Battery may need to be charged or replaced.	Charge battery or install a charged battery.
	Battery may not be properly installed.	Install battery properly (P.15-4).
Handset won't respond	Is Switch On/Off in PIN Entry On ?	If On , PIN is required. Enter PIN according to onscreen prompt.
Insert USIM Card appears	USIM Card may not be properly inserted.	Power handset off and check that USIM Card is properly inserted, then restart handset. If the message still appears, USIM may be damaged.
	The correct USIM Card may not be inserted.	Make sure the correct USIM Card is inserted. The inserted USIM Card may not be valid.
	There may be debris on IC chip/terminals.	Clean relevant parts with dry cloth and re-insert.
REFRESH appears and handset returns to Standby	Handset may have been dropped or subjected to shocks.	Handset failed to recognize USIM Card temporarily. This is not a malfunction.
Keypad won't respond	Keypad Lock may be active ( appears).	Cancel Keypad Lock (P.1-22).
	Function Lock may be active ( appears).	Cancel Function Lock (P.11-2).

Problem	Possible Cause	Solution
Battery strength indicator flashes when not charging	Ambient temperature may be outside 5°C to 35°C.	Use within an ambient temperature of 5°C - 35°C.
Saved entry/folder does not appear on handset	Entry/folder may be set to Secret.	Activate Show Secret Data (P.11-3).
Cannot use Predictive	Show Secret Data may be active.	Cancel Show Secret Data.
Handset/AC Charger feels warm	Handset/AC Charger may warm while charging.	Unless handset/AC Charger is too hot to touch, warmth is considered normal. Always avoid prolonged skin contact to prevent burn injuries.
	Handset may warm during extended periods of use.	
	Handset may warm during Video Calls.	
Cannot access Memory Card files	Memory Card may not be properly formatted.	Use 936SH-formatted Memory Cards.
Find heat. appears	Handset may have been exposed to extreme heat.	Move to a cool place. Handset may discharge for safety with warning tone (double beep; muted in Manner mode).
Clock settings are lost	Did you leave handset without battery?	Clock settings remain even when removing battery for replacement, etc. However, if handset is left with no battery or an exhausted one for an extended period of time (approximately one hour), Clock will need to be reset.



■ Charger/Battery

Problem	Possible Cause	Solution
Battery charges quickly	Remaining charge shortens charging time.	This is normal.
	Battery may be terminally exhausted or defective. (Small Light flashes red.)	Replace battery with a new one.
Battery charges slowly	Charging slows during Video Calls.	End the call to charge faster.
	Battery may be charging via USB.	Use AC Charger.
Battery won't charge	AC Charger may not be properly connected to handset.	Make sure connector is securely inserted and retry.
	AC Charger may not be firmly plugged in to AC outlet.	Remove plug from outlet, re-insert and retry.
	Battery may not be properly installed.	Install battery properly (P.15-4).
	Battery, AC Charger, or Charging Terminals, or Device Port may be obstructed by dust, etc.	Clean terminals, connector and Port with a dry cotton swab and retry.
	Charger, etc. may not be supported.	Use specified AC Charger, etc. only; others may damage battery.

Problem	Possible Cause	Solution
Battery Time seems shorter than usual	High power consuming operations are in use.	Keep handset closed in Standby; reduce TV, S! Application, Media Player and Camera use, and limit transmissions/external connections.
	Using handset in poor conditions may shorten Battery Time.	Avoid prolonged use of handset out-of-range or in poor signal conditions.
	Power hungry settings may be active.	Lower Brightness, select shorter Display Saving/ Backlight time, etc.
Battery won't charge with Solar Panel	Sunlight may be insufficient. (Solar Indicator is off.)	Move to a sunny place.
	Battery may be adequately charged (approximately 75% or more) or sunlight may be insufficient. (Solar Indicator lights blue.)	Open handset to check battery strength; if not adequate, move to a sunny place.
	Handset may be too hot or cold, or temperature sensor malfunction may have occurred. (Solar Indicator lights orange.)	If handset is hot, move to a cool place; if cold, move to a warmer place.
		If handset temperature is moderate and Solar Indicator remains orange, take handset to a SoftBank Shop.



Key Assignments

Key	Kanji (Hiragana) [Double-byte]	Katakana [Double & Single-byte]	Alphanumerics [Double & Single-byte]	Numbers [Single-byte]	Character Codes
	あいうえお あいうえお	アイウエオ アイウエオ	@./_-1 (space)	1	1
	かきくけこ	カキクケコ	ABCabc2	2	2
	さしすせそ	サシスセソ	DEFdef3	3	3
	たちつてとっ	タチツテトッ	GHIghi4	4	4
	なにぬねの	ナニヌネノ	JKLjkI5	5	5
	はひふへほ	ハヒフヘホ	MNOmno6	6	6
	まみむめも	マミムメモ	PQRSpqrs7	7	7
	やゆやゃゆょ	ヤユヨゃゅょ	TUVtuv8	8	8
	らりるれろ	ラリルレロ	WXYZwxyz9	9	9
	わをんー	ワヲンー	0	0	0
	・ ・	・ ・ _1	_____	✕ + P (pause) ? - ²	_____
Log, Pictogram List (double-byte), Symbol List ³					_____
	.,. ♯ (line break) ? ! □ (space)	.. ♯ (line break) ?! (space)	#	#	_____

¹ - is available only in single-byte katakana entry.

² Available for phone number entry; some characters may not be enterable in some windows.

³ May not be enterable in some windows.



Key	Kanji (Hiragana) [Double-byte]	Katakana [Double & Single-byte]	Alphanumerics [Double & Single-byte]	Numbers [Single-byte]	Character Codes
	Conversion (up) ⁴	Cursor up			
	Conversion (down) ⁵	Cursor down (line break)			
	Cursor left				
	Cursor right				
	Switch entry modes (except during conversion)				
	Toggle Personal Mode ⁶	_____	Toggle Personal Mode ^{6, 7}	_____	
	Toggle case (for some characters)			_____	
	_____	Toggle mode (upper/ lower and lower case)			
	Delete one character				
	Cancel conversion	_____	Cancel conversion ⁷	_____	Delete code
 (Long)	Delete before or after cursor				
	Recover characters deleted with				
	Re-convert ⁸	_____	Re-convert ^{7, 8}	_____	
	OK				
	Phonetic Conversion ⁶	_____			
	Hiragana to Katakana/ Alphanumeric Conversion ⁶	_____			

⁴Cursor moves up except during conversion.⁵Cursor moves down except during conversion.⁶Available during conversion.⁷Available only in single-byte alphanumeric entry.⁸Press immediately after inserting characters to re-convert them.

Pager Code List

Gray background indicates upper and lower case available. Press  to switch immediately after character entry.

Double-byte Upper Case

		Second Digit (Press Next)									
		1	2	3	4	5	6	7	8	9	0
First Digit (Press First)	1	あ	い	う	え	お	A	B	C	D	E
	2	か	き	く	け	こ	F	G	H	I	J
	3	さ	し	す	せ	そ	K	L	M	N	O
	4	た	ち	つ	て	と	P	Q	R	S	T
	5	な	に	ぬ	ね	の	U	V	W	X	Y
	6	は	ひ	ふ	へ	ほ	Z	?	!	-	/
	7	ま	み	む	め	も	¥	&			*1
	8	や	(	ゆ	)	よ	✕	#	Space		*2
	9	ら	り	る	れ	ろ	1	2	3	4	5
	0	わ	を	ん	.	。	6	7	8	9	0

Double-byte Lower Case

		Second Digit (Press Next)									
		1	2	3	4	5	6	7	8	9	0
First Digit (Press First)	1	あ	い	う	え	お	a	b	c	d	e
	2						f	g	h	i	j
	3						k	l	m	n	o
	4			つ			p	q	r	s	t
	5						u	v	w	x	y
	6						z				
	7										*1
	8	や		ゆ		よ					*2
	9										
	0				.	。					

*1 Press   to insert  (line break) in mail message text, Notepad, etc.

*2 Press   to toggle upper and lower case modes.

Single-byte Upper Case

		Second Digit (Press Next)									
		1	2	3	4	5	6	7	8	9	0
First Digit (Press First)	1	ア	イ	ウ	エ	オ	A	B	C	D	E
	2	カ	キ	ク	ケ	コ	F	G	H	I	J
	3	サ	シ	ス	セ	ソ	K	L	M	N	O
	4	タ	チ	ツ	テ	ト	P	Q	R	S	T
	5	ナ	ニ	ヌ	ネ	ノ	U	V	W	X	Y
	6	ハ	ヒ	フ	ヘ	ホ	Z	?	!	-	/
	7	マ	ミ	ム	メ	モ	¥	&			*1
	8	ヤ	(	ユ	)	ヨ	✕	#	Space		*2
	9	ラ	リ	ル	レ	ロ	1	2	3	4	5
	0	ワ	ヲ	ン	.	。	6	7	8	9	0

Single-byte Lower Case

		Second Digit (Press Next)									
		1	2	3	4	5	6	7	8	9	0
First Digit (Press First)	1	ア	イ	ウ	エ	オ	a	b	c	d	e
	2						f	g	h	i	j
	3						k	l	m	n	o
	4			ツ			p	q	r	s	t
	5						u	v	w	x	y
	6						z				
	7										*1
	8	ヤ		ユ		ヨ					*2
	9										
	0				.	。					



Character Code List

First Three Digits	Last Digit									First Three Digits	Last Digit									First Three Digits	Last Digit									First Three Digits	Last Digit									
010	0	1	2	3	4	5	6	7	8	9	043	そ	た	だ	ぢ	つ	づ	て	で	080	一	二	三	四	五	六	七	八	九	171	迂	雨	卵	鵜	窺	丑	碓	臼	渦	嘘
011	!	!	!	!	!	!	!	!	!	!	044	た	だ	ぢ	つ	づ	て	で	081	一	二	三	四	五	六	七	八	九	172	頃	蔚	鵜	窺	丑	碓	臼	渦	嘘		
012	!	!	!	!	!	!	!	!	!	!	045	ひ	び	ふ	ぶ	へ	べ	ぼ	082	一	二	三	四	五	六	七	八	九	173	云	運	雲								
013	!	!	!	!	!	!	!	!	!	!	046	ぼ	よ	み	む	め	め	083	一	二	三	四	五	六	七	八	九													
014	!	!	!	!	!	!	!	!	!	!	047	ゆ	よ	ら	り	れ	ろ	わ																						
015	!	!	!	!	!	!	!	!	!	!	048	あ	え	ん																										
016	+	-	±	×	÷	=	≠	<	>	≡	050	ア	ガ	キ	ク	ケ	コ	オ	130	①	②	③	④	⑤	⑥	⑦	⑧	⑨	173											
017	≡	∞	£	¥	₩	₹	&	*	@	☆	051	オ	カ	ギ	グ	ゴ	ク	ソ	131	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	174	曳	米	永	泳	洩	瑛	盈	穎	英		
018	★	○	●	◇	◇	▲	▼	※	〒	052	ゴ	サ	ジ	ズ	セ	ソ	デ	132	㉑	㉒	㉓	㉔	㉕	㉖	㉗	㉘	㉙	175	閑	複	厭	円	園	堰	奄	宴	延			
020	◆	□	■	▲	▼	※	〒			053	ゾ	タ	チ	ツ	テ	デ	133	X	ミ	キ	コ	サ	シ	ス	セ	ソ	176	掩	援	沿	炎	焰	煙	燕	猿	縁				
021	→	←	↑	↓	⇄	⇄	⇄			054	ト	ビ	ブ	フ	ヘ	ホ	134	㊱	㊲	㊳	㊴	㊵	㊶	㊷	㊸	㊹	177	鷄	黄	岡	沖	荻	億	屋	億	桶				
022										055	ト	ビ	ブ	フ	ヘ	ホ	135	㊼	㊽	㊾	㊿	㊱	㊲	㊳	㊴	㊵	178													
023	ㄱ	ㅋ	ㆁ	ㄴ						056	보	ㅍ	ㅂ	ㅅ	ㅈ	ㅊ	136	㊾	㊿	㊱	㊲	㊳	㊴	㊵	㊶	㊷	179	凹	央	奥	往	応								
024										057	코	요	로	라	리	로	137	㊿	㊱	㊲	㊳	㊴	㊵	㊶	㊷	㊸	180	押	旺	横	欧	殴	段	王	翁	襖				
										058	ㅈ	ㅊ	ㅌ	ㄹ	ㄴ	ㄷ	138	㊿	㊱	㊲	㊳	㊴	㊵	㊶	㊷	㊸	181	鷄	黄	岡	沖	荻	億	屋	億	桶				
																	139	㊿	㊱	㊲	㊳	㊴	㊵	㊶	㊷	㊸	182	杜	乙	俺	卸	恩	溫	穩	音					
026	ㄱ	ㅋ	ㆁ	ㄴ	ㄷ	ㄹ	ㄴ	ㄷ	ㄹ	060	A	B	C	D	E	F	G											182												
027	∞	∞	∞	∞	∞	∞	∞	∞	∞	061	K	L	M	N	O	P	Q		160	垂	唾	娃	阿	哀	挨	始	達	183	仮	何	伽	佳	伽	可	嘉	夏	嫁			
028	∞	∞	∞	∞	∞	∞	∞	∞	∞	062	T	F	X	Y	Z			161	葵	茜	穉	惡	握	旭	暈	芦	184	家	寡	暇	果	架	歌	河	珂					
029	∞	∞	∞	∞	∞	∞	∞	∞	∞	063								162	梓	庄	幹	扱	宛	姐	蛇	鮎	185	禍	禾	稼	箇	苛	荷	華	菓					
										064	θ	κ	α	β	γ	δ	ε	ζ	163	鮎	或	栗	裕	安	庵	按	暗	186	蝦	課	嘩	画	迦	牙	蛟	俄				
										065	σ	τ	υ	φ	χ	ψ	ω		164	鮎	或	栗	裕	安	庵	按	暗	187	我	牙	画	迦	牙	蛟	俄	駭				
031										070	A	B	C	D	E	F	G		164									188	介	会	解	回	塊	塊	迴	怪				
032	4	5	6	7	8	9				071	И	Й	К	Л	М	Н	О		165									189	恢	懷	戒	拐	改							
033										072	T	У	Ф	Х	Ц	Ч	Ш		166									190	威	耐	性	意	慰	易	椅	為				
034	H	I	J	K	L	M	N	O	P	073	Б	Э	Ю	Я					167									191	移	維	緯	胃	萎	衣	謂	違				
035	R	S	T	U	V	W	X	Y	Z	074	Б	Э	Ю	Я					168									192	蟹	開	階	貝	凱	幼	外	咳				
036	f	g	h	i	j	k	l	m	n	075	б	в	г	д	е	ж	з		169									193	慨	概	垣	碁	蓋	鉤	該	鉸				
037	p	q	r	s	t	u	v	w	x	076	к	л	м	н	о	п	р		170									194	聲	蛙	垣	碁	蓋	鉤	該	鉸				
038	z									077	ф	х	ц	ч	ш	щ	ъ		171									195	赫	較	郭	閤	隔	革	學	岳				
039										078	ю	я							172									196	類	掛	笠	燈	櫃	梔	鰯	割				
040	あ	い	う	え	お														173									197	恰	括	活	渴	葛	揭	轄	轄				
041	お	か	が	き	く	け	こ												174																					
042	こ	さ	し	じ	ず	せ	そ												175																					



Last Digit											Last Digit											Last Digit											Last Digit										
First Three Digits	0	1	2	3	4	5	6	7	8	9	First Three Digits	0	1	2	3	4	5	6	7	8	9	First Three Digits	0	1	2	3	4	5	6	7	8	9	First Three Digits	0	1	2	3	4	5	6	7	8	9
198	叶	栳	樺	株	杓	兜	甯	蒲	金	鏢	230	掘	窩	杏	靴	嚮	窪	熊	隈	桑		261											294	夙	宿	祝	祝	縮	肅	熟	出	術	
199	噉	鴨	栢	茅	宣						231	栗	線	桑	歛	君	薰	訓	群		262	佐	又	峻	嵯	左	差	查	送	些	295	述	宿	峻	春	縮	肅	熟	出	術			
200	粥	刈	瓦	乾	冠	克	寒	刊			232	郡									263	佐	又	峻	嵯	左	差	查	送	些	296	旬	述	峻	春	縮	肅	熟	出	術			
201	勸	勸	卷	喚	堪	姦	冠	寬	刊												264	詐	鐵	坐	左	左	差	查	送	些	297	醇	順	杓	淳	潤	曙	純	巡	緒			
202	幹	患	感	憤	憾	詭	相	桓	棺												265	災	載	採	碎	在	祭	細	菜	裁	298	署	書	處	初	諸	暑	助	純	序			
203	款	款	汗	漢	潤	淮	環	監	觀												266	載	採	碎	在	祭	細	菜	裁	299	恕	勝	匠	升	召	尚	唱	嘗	獎				
204	款	管	簡	緩	涇	閏	閑	閑	觀												267	咋	掙	昨	昨	昨	昨	昨	昨	300	委	脣	匠	升	召	尚	唱	嘗	獎				
205	諫	實	寶	還	鑑	閏	閑	閑	觀												268	蚌	筴	匙	匙	匙	匙	匙	匙	301	委	脣	匠	升	召	尚	唱	嘗	獎				
206	舘	舘	丸	含	岸	巖	玩	眼	巖												269	蚌	筴	匙	匙	匙	匙	匙	匙	302	彰	彰	抄	招	小	捷	昌	昭	晶				
207	膺	膺	顏	顏	願																270	鮭	筴	匙	匙	匙	匙	匙	匙	303	松	梢	省	樺	樺	涉	涉	湘	焦				
																					271	鯖	捌	銷	鮫	血	殺	殺	殺	304	紹	紹	省	樺	樺	涉	涉	湘	焦				
207																					272	慘	撒	餐	斬	斬	斬	斬	斬	305	紹	紹	省	樺	樺	涉	涉	湘	焦				
208	基	奇	嬉	岐	希	幾	幾	幾	幾												273	讀	贊	酸	酸	酸	酸	酸	酸	306	詳	象	象	象	象	象	象	象	象				
209	旗	機	婦	氣	汽	軌	軌	軌	軌												274	使	刺	司	史	四	仕	仕	仕	307	文	丞	丞	丞	丞	丞	丞	丞	丞				
210	紀	微	規	紀	貴	起	軌	輝	軌												275	子	屍	市	師	志	始	始	始	308	情	援	援	援	援	援	援	援	援				
211	懷	疑	疑	疑	疑	疑	疑	疑	疑												276	子	屍	市	師	志	始	始	始	309	醞	釀	釀	釀	釀	釀	釀	釀	釀				
212	鬼	角	偽	偽	偽	偽	偽	偽	偽												277	子	屍	市	師	志	始	始	始	310	舛	舛	舛	舛	舛	舛	舛	舛	舛				
213	懷	疑	疑	疑	疑	疑	疑	疑	疑												278	紙	紙	紙	紙	紙	紙	紙	紙	311	舛	慎	慎	慎	慎	慎	慎	慎	慎				
214	吉	吃	喫	桔	橘	詰	詰	詰	詰												279	字	次	滋	持	爾	豐	痔	示	312	心	慎	慎	慎	慎	慎	慎	慎	慎				
215	宮	脚	逆	逆	乞	仇	仇	仇	仇												280	字	次	滋	持	爾	豐	痔	示	313	珍	真	真	真	真	真	真	真	真				
216	客	宮	脚	逆	乞	仇	仇	仇	仇												281	耳	耳	耳	耳	耳	耳	耳	耳	314	身	身	身	身	身	身	身	身	身				
217	究	窮	級	級	糾	糾	糾	糾	糾												282	軸	軸	軸	軸	軸	軸	軸	軸	315													
218	巨	拒	拋	挈	渠	渠	渠	渠	渠												283	濕	漆	質	實	實	實	實	實	316	須	醉	醉	醉	醉	醉	醉	醉	醉				
219	禦	供	供	供	兇	兇	兇	兇	兇												284	屢	社	紗	綺	寫	射	射	射	317	炊	酣	酣	酣	酣	酣	酣	酣	酣				
220	卿	叫	喬	境	峽	強	強	強	強												285	屢	社	紗	綺	寫	射	射	射	318	瑞	齒	齒	齒	齒	齒	齒	齒	齒				
221	挾	橋	鏡	響	狂	狹	狹	狹	狹												286	尺	杓	灼	爵	酌	積	錫	錫	319	指	臂	臂	臂	臂	臂	臂	臂	臂				
222	挾	橋	鏡	響	狂	狹	狹	狹	狹												287	臆	趣	取	守	守	守	守	守	320	指	臂	臂	臂	臂	臂	臂	臂	臂				
223	業	局	曲	曲	玉	桐	桐	桐	桐												288	腫	趣	取	守	守	守	守	守														
224	業	局	曲	曲	玉	桐	桐	桐	桐												289	經	需	囚	取	取	取	取	取														
225	巾	錦	斤	欣	欽	琴	琴	琴	琴												290	經	需	囚	取	取	取	取	取														
226	芹	蔞	蔞	蔞	蔞	蔞	蔞	蔞	蔞												291	終	宗	就	就	就	就	就	就														
																					292	輻	週	週	週	週	週	週	週														
226	俱	區	區	狗	玖	矩	矩	矩	矩												293	輻	週	週	週	週	週	週	週														
227	駒	具	愚	虞	喰	空	空	空	空												294	輻	週	週	週	週	週	週	週														
228	駒	具	愚	虞	喰	空	空	空	空												295	輻	週	週	週	週	週	週	週														
229	串	櫛	櫛	櫛	櫛	櫛	櫛	櫛	櫛												296	輻	週	週	週	週	週	週	週														



[illegible]

[illegible]

[illegible]

Weather Indicator List

Basic Status

	Clear skies (day)
	Clear skies (night)
	Cloudy
	Rain
	Snow
	Thunder showers
	Chance of rain: 0%
	Chance of rain: 10%
	Chance of rain: 20%
	Chance of rain: 30%
	Chance of rain: 40%
	Chance of rain: 50%
	Chance of rain: 60%
	Chance of rain: 70%
	Chance of rain: 80%
	Chance of rain: 90%
	Chance of rain: 100%
	Then
	Partly/chance of

Pollen Count

	Low
	Moderate
	High
	Extreme

Cherry Blossom

	Flowering
	Almost full bloom
	Full bloom
	Beginning of petal fall

Fall Foliage

	No color change
	Colors appearing
	Peak
	Defoliating

Ultraviolet

	Low
	Moderate
	High
	Extreme

Typhoon

	Forming
	Approaching
	Caution necessary

Other

	Heavy rain
	Gale
	Notification



Specifications

SoftBank 936SH

Weight*	131 g
Continuous Talk Time*	230 minutes (3G) 220 minutes (GSM)
Continuous Standby Time*	300 hours (3G) 270 hours (GSM) (handset closed)
Charging Time (power off)*	AC Charger: 135 minutes In-Car Charger: 140 minutes
Dimensions (W x H x D)*	50 x 108 x 17 mm (handset closed, without protruding parts)
Maximum Output	0.25 W (3G) 2.0 W (GSM)

*Approximate value.

- Above values calculated with battery installed.
- Continuous Talk Time is an average measured with a new, fully charged battery, in strong signal conditions without moving handset.
- Continuous Standby Time is an average measured with a new, fully charged battery, with handset closed without calls or operations, in strong signal conditions without moving handset. In Japan (3G service area), the value is calculated with IP Service Setting, Decoration Call, S! Appli Notification Setting and Mobile Widget Notification Setting set to **Off**.
- Talk Time/Standby Time may vary by environment, status, settings, etc.
- Display employs precision technology, however, some pixels may appear brighter/darker.

Handset Materials

Parts	Materials & Finishing
Housing (Display side, Keypad side)	Nylon resin/SUS (insert-molded)/Discontinuous deposition/UV painting
Housing (Keypad side hinge), Side Keys (Volume Up Key, Volume Down Key, Shutter Key)	PC resin/UV painting
Housing (Keypad back), hinge rotation stopper, Battery Cover	Nylon resin/UV painting
Solar Panel cover	PC resin/UV hard coating/Translucent aluminum deposition (back)/Back printing
Solar Panel cover ornament frame	ABS resin/UV painting
Camera ornament panel (including Infrared Port, camera lens)	Acrylic resin/Back printing
Display window	PC-Acrylic hybrid material/Back printing
Center Key, Multi Selector, Mail Key, Yahoo! Keitai Key, Shortcuts & A/a Key, TV & Text Key, Start Key, Clear/Back Key, Power On/Off Key, Keypad, Dictionary Key, Multi Job & Manner Key, Camera Key	UV curing resin/Back printing

Parts	Materials & Finishing
External Device Port Cover, Headphone Port Cover	PC resin/Elastomer/Discontinuous deposition/UV painting
Charging Terminals	SUS/Gold plating (sealer: nickel)
Screws (Display side)	SWCH16A/Trivalent chromate
Screws (Keypad side, battery side bottom)	SWCH12A/Trivalent chromate (white)
Screws (battery side center)	SWCH16A/Trivalent chromate (black)
USIM pin	Copper alloy/Gold plating (sealer: nickel)
USIM Tray	POM

Accessories

Battery

Voltage	3.7V
Battery Type	Lithium-ion
Capacity	710 mAh
Dimensions (W x H x D)*	37.7 x 46.9 x 4.2 mm (without protruding parts)

*Approximate value.

Desktop Holder

Input Voltage/Current	DC 5.4V/700 mA
Output Voltage/Current	DC 5.4V/700 mA
Charging Temperature	5°C to 35°C
Dimensions (W x H x D)*	131.5 x 29 x 46 mm

*Approximate value.



Getting Started

■ Standby Shortcut

Savable Items	30 per sheet
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Basic Operations

■ Text Entry

User Dictionary	250 entries (5 per reading) Word: 30 characters Reading: 8 hiragana
Acquire Dictionary	5 dictionaries
Paste List	10 text strings
Recoverable Deleted Characters	30,720 single-byte characters
Dictionary	Meikyo Japanese Dictionary: Approximately 47,100 words/phrases Genius English-Japanese Dictionary: Approximately 45,700 words/phrases Genius Japanese-English Dictionary: Approximately 55,800 words/phrases

■ Phone Book

Entry	1,000 entries
Name/Reading	Last/First: 32 characters each
Phone Number	5 numbers (32 digits each)
Mail Address	5 addresses (128 characters each)
Category	16 Categories
Address	Postal Code: 20 characters Country: 32 characters Others: 64 characters each
Office	Office Name/Division/Post: 32 characters each
Homepage	1,024 bytes
Note	256 characters
Mail Groups	20 Groups (20 members each) Group name: 16 characters

Calling

Dialed Numbers	Dialed Numbers: 30 records Dialed Ranking: 10 records
Received Calls	30 records
Answer Phone/ Caller Voice	20 messages or 90 seconds
Auto Answer List	10 numbers
Decoration Call	100 KB including 20 characters
Speed Dial/Mail	100 numbers/addresses

Messaging

Memory	Received Msg.	10 MB or 3,000 messages
	Drafts	
	Sent Messages	5 MB (or 1,000 messages for Sent Messages)
	Unsent Messages	
	Templates	80 MB (shared with Data Folder and S! Appli Library)
PC Mail/S! Mail Subject		
512 single-byte characters		
PC Mail/S! Mail Message		
Approximately 30,000 single-byte characters		
SMS Message		
160 single-byte alphanumerics		
Auto Resend		
2 times		
Attachment		
20 files or 1 MB		
Send Reservation		
10 messages		
Signature		
256 single-byte characters		
Recipient		
20 numbers/addresses		
Folder		
20 folders (20 sort keys each)		
Chat Folders	Memory	300 messages per folder
	Folder	10 folders (20 members each)

Graphic Mail	1 sound or Flash® file, or 40 images/ My Pictograms (with 1 sound or Flash® file)	
Auto Reply	20 numbers/addresses (20 digits or 256 single-byte characters each)	
Anti Spam Measures	Individual	20 entries
	Permitted List	20 entries

Limit may be lower depending on message text, etc.

■ PC Mail Settings

PC Mail Account	Account	3 accounts
	Account Name	20 characters
Set Receiving	User Name	128 characters
	Password	40 characters
	ReceivingServer	128 characters
Set Sending	Port Number	1 to 65535
	Sender Name	20 characters
	Mail Address	128 characters
PC Mail DL	Individual Address	20 addresses

Yahoo! Keitai & PC Site Browser

Download	Yahoo! Keitai	300 KB per page 10 MB for progressive downloads
	PC Site Browser	1 MB per file
History	300 pages	
URL Entry Log	10 URLs	
Bookmarks & Saved Pages	100 pages	
Tab	3 tabs at one time	
Input Memory	20 entries	
Streaming History	20 URLs	
RSS Feeds	30 entries (60 KB per entry)	



Digital TV

Recorded File	ISDB-T mobile Video profile (SD-Video standard)	
Recording Time (example)	Handset	Approximately 30 minutes
	Memory Card	Approximately 80 minutes on 256 MB Memory Card
Marker	99 Markers (10 per file)	
Split File	99 portions per file	
Time Shift Recording	30 minutes	
Reservation List	5 entries (4 hours each on 1 GB Memory Card)	

Camera & Imaging

Mobile Camera

Effective Pixels	8.0 Megapixels
Auto Shut-off Time	Approximately 3 minutes

Photo Camera

Zoom	1x - 20.4x	
Picture Size (W x H dots)	8M	2448 x 3264
	5M	1944 x 2592
	3M	1536 x 2048
	Full HD	1080 x 1920
	Wallpaper	480 x 854
	VGA	480 x 640
	QVGA	240 x 320
Scanner Image Size (W x H dots)	Free, 1200 x 640, 480 x 1488, 1280 x 960	
File Format	JPEG	
Memory	Approximately 30 files (at 8M, High Quality) on handset with no other files	
File Name	yymmdd_hhmmss	
Shooting Distance	Macro: 10 cm	

Background Save	3 files
Face Auto Focus	VGA or larger
Other	Use 40 KB or smaller transparent PNG files as Frames

Video Camera

Zoom	1x - 5.1x	
Record Size (W x H dots)	Extended Video	864 x 480 (Wide)
		640 x 480 (VGA)
		320 x 240 (QVGA)
		176 x 144 (QCIF)
		128 x 96 (SubQCIF)
	For Message	320 x 240 (QVGA)
		176 x 144 (QCIF)
		128 x 96 (SubQCIF)

File Format	3GP	
Recording Capacity per Shot	Extended Video	Approximately 30 minutes* on Memory Card
	For Message	1 MB or 295 KB
File Name	yymmdd_hhmmss	
Recording Distance	1.5 m in good light	
Still Image Capture	3 images	
Recording Pause Supported	QVGA or larger (Extended Video sizes only)	

*Varies with handset usage, location or settings.

Editing Images

Picture Editor	Resize (W x H dots)	Wallpaper (480 x 854) Power On/Off (480 x 854) Incoming Call (320 x 320) Alarm (480 x 208) Pictogram (96 x 96) VGA (480 x 640) QVGA (240 x 320) Cut
	Retouch	52 x 52 dots or larger JPEG/PNG images
	Paste	16 characters
	Correction	52 x 52 dots or larger JPEG/PNG images
Composite	Merge Panorama	JPEG images between W 48 x H 64 dots and 240 x 320 dots

Media Player

Supported Formats	WMA (.wma), AAC (.mp4/.3gp/.m4a), Secure AAC (SD-Audio standard) (Some files may not play depending on sampling frequency and bit rate)	
	Music	
All Music List	Chaku-Uta®	Shows up to 350 files each
	WMA	
	SD AUDIO	Shows up to 999 files

S! Applications

Memory	100 items or 80 MB (shared with Messaging Templates folder and other folders in Data Folder)
Remote Control	Approximately 5 m



Handy Extras

PIM/Lifestyle

Calendar*/Tasks	300 entries, Subject: 32 characters Description: 128 characters Location: 16 characters Set Holiday: 10 holidays	
Alarms	5 entries, Subject: 9 characters	
Wakeup TV	Auto Shut-off	Approximately 30 minutes
Calculator	999,999,999,999	
Expenses Memo	30 entries (999,999.99 yen each)	
Osaifu-Keitai®	Remote Lock password: 5 - 16 single-byte alphanumerics	

*Preset holidays are based on Japanese calendar as of June 2009.

Clocks/Gauges

Stopwatch	23 hours 59 minutes 59.9 seconds in 0.1-second increments Lap time: 4 records	
Countdown Timer	99 minutes 59 seconds in 1-second increments	
World Clock	City name: 16 characters	
Pedometer	Today's Walking	Steps: 99,999
		Time: 23 hours 59 minutes 59 seconds
		Exercise: 71.9 Ex
		Calories: 9,999.9 kcal
		Distance: 179.9 km
		Fat burned: 999.9 g
	Log	2 years
		Daily view: 9,999 steps per hour
		Weekly view: 99,999 steps per day

Pedometer	Accumulated Data	All Days: 999 days
		Steps: 99,999,999
		Time: 99,999 hours 59 minutes 59 seconds
		Exercise: 99,999.9 Ex
		Calories: 9,999,999.9 kcal
	Average	Distance: 999,999.9 km
		Fat burned: 999,999.9 g
		Steps: 99,999
		Time: 23 hours 59 minutes 59 seconds
		Exercise: 71.9 Ex
		Calories: 9,999.9 kcal
		Distance: 179.9 km
		Fat burned: 999.9 g

Doc./Rec.

Document Viewer	Supported Formats	PDF (.pdf) Microsoft® Excel® (.xls) Microsoft® Word (.doc) Microsoft® PowerPoint® (.ppt)
	File Size	10 MB
Notepad	500 entries	(8,192 characters each)
Voice Recorder	For Message	Approximately 10 minutes (message size limit: 1 MB) or 3 minutes (message size limit: 300 KB) per file
	Extended Voice	99 hours 59 minutes 59 seconds
Scan Barcode (Continuous Mode)	UPC/JAN	50 codes
	QR Code	16 codes

Create QR Code	Equivalent of 513 digits, 311 alphanumerics or 131 kanji
Scan Text	256 characters

Entertainment & Communication

Mobile Widget

Savable Items	4 widgets (S! Quick News & S! Friend's Status: 1, others: 3) per sheet x 4 sheets
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S! Quick News

Savable Items	Special: 1 item News Flash: 1 item General: 4 items
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e-Books

Text Copy	20 characters
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S! Friend's Status

Member	30 members
My Status	Name: 7 characters Comment: 15 characters Status Label: 4 characters
Status Templates	Template name: 12 characters

S! Circle Talk

Participant	11 members
Speak Time	30 seconds each
Member List	30 entries (10 members per Group)



■ Blog Tool

Blog Details	5 entries	
Blog Title	16 characters	
Blog Settings (Mail)	Email Address	128 characters
	Title	32 characters
	Text	128 characters
	Picture Size	S (320 x 320) M (640 x 640) L (1024 x 1024) Send
	URL for Posting	1,024 characters
Blog Settings (Yahoo! Keitai & PC Site Browser)	URL for Viewing	1,024 characters

Data Folder

Memory	80 MB (shared with Messaging Templates folder and S! Appli Library)
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Memory Card

Backup File Name	ymmddXX* (XX: 2 digits/alphabets)
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*ymmdd for Contents Keys.

Connectivity & File Backup

■ Infrared

Infrared Transfer	IrMC 1.1	
	Range	Within 20 cm
IrSS Transfer (JPEG images)	Receive 2,500 KB or less; send 4,000 KB or less (after resizing)	

■ Bluetooth®

Communication System	Bluetooth® specification Ver. 2.0	
Supported Profiles	Headset Profile	
	Hands-Free Profile	
	Dial-up Networking Profile	
	Object Push Profile	
	File Transfer Profile	
	Basic Imaging Profile	
	Advanced Audio Distribution Profile	
	Audio/Video Remote Control Profile	
Output	Bluetooth® Power Class 2	
Range	Within 10 m	
Device Search	16 devices	
Pairing	32 devices	
Device Name	16 characters	
Printing	JPEG/PNG images	

■ S! Addressbook Back-up

Log	10 Backup/Restore/ Synchronization records
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Network

Add Network	5 Networks
	Country/Network code: 3 digits
	Name: 25 single-byte characters

Reference URLs

■ SOFTBANK MOBILE Corp.

<http://mb.softbank.jp/en/>

■ S! Addressbook Back-up

From PC

http://mb.softbank.jp/en/price_plans/basic_option.html

■ Messaging Basics

http://mb.softbank.jp/en/customer_support/mail.html

■ Custom Handset Address

<https://www.email.softbank.ne.jp/help/e/address.html>

■ Yahoo! Keitai

http://mb.softbank.jp/en/customer_support/web.html

■ Secure Remote Lock

http://mb.softbank.jp/en/price_plans/basic_option.html

■ microSD™ Memory Card Compatibility

From PC (Japanese)

http://k-tai.sharp.co.jp/peripherals/sd_support.html

From Handset (Japanese)

<http://shweb.sharp.co.jp/>

■ Compatible Blu-ray Disc Recorders

From PC (Japanese)

<http://www.sharp.co.jp/bd/spec/index.html>

■ SVG-T

From Handset (Japanese)

http://shweb.sharp.co.jp/svg/index_pdc.html

■ Association for Promotion of Digital Broadcasting

From PC

<http://www.dpa.or.jp/english/>

From Handset (Japanese)

<http://www.dpa.or.jp/1seg/k/>



Memory Card Structure & Contents

Memory Card Structure			Contents (Location when Viewed on Handset)
DCIM	XXXSHARP	Local Contents	SD Local Contents
		Mail	Messaging folder backups (Received Msg., Sent Messages and Drafts)
PRIVATE	MYFOLDER	My Items	Book
			e-Book files in Data Folder (Books)
			Bookmarks
			Yahoo! Keitai Bookmarks
			Character
			PNG files in Data Folder (Character)
			CSI
			Decoration Call files in Data Folder (Decoration Call)
			Custom Screens
			Customized Screen files in Data Folder (Customized Screen)
			Flash(R)
			Flash® Wallpaper files in Data Folder (Flash®)
			Flash(R) Ringtones
			Flash® ringtones in Data Folder (Flash® Ringtones)
			Games and More
			S! Applications
			Hot Status Template
			Template files in Data Folder (Status Templates)
			Mail Art
			Files in Data Folder (Mail Art)
		Message Templates	Graphic Mail templates in Templates folder
		Music	Music files in Data Folder (Music)
		Other Documents	Other files in Data Folder (Other Documents)
		Pictograms	GIF files in Data Folder (My Pictograms)
		Pictures	Still images in Data Folder (Pictures)
		Sounds & Ringtones	Melodies and other sound files in Data Folder (Ring Songs-Tones)
		Videos	Video files in Data Folder (Videos)
		Widget	Widget files in Data Folder (Widget)
		WMAudio	WMA files for Media Player (WMA)
		SH_Folder	Application management files
		Utility	Backup files (Phone Book), etc.
	SHARP	MOBILE	Backup files (User Dictionary), etc.
SD_AUDIO			SD-Audio files for Media Player (SD AUDIO)



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Warranty & Service

■ Warranty

Warranty is provided when you purchase handset.

- Check the name of distributor and date of purchase.
- Read contents and keep in a safe place.
- The warranty term is described in the warranty.

■ After-Sales Services

See **P.15-7** "Troubleshooting" before contacting SoftBank Mobile for service or repairs.

If you cannot find solutions or solve problems, contact SoftBank Mobile Customer Center, Customer Assistance (**P.15-41**) in your subscription area and provide a detailed description of the problem.

- Repairs within warranty are performed under terms and conditions described.
- Out of warranty, possible repairs are performed upon request at subscriber expense.

For other services, contact the distributor, the nearest SoftBank Shop or SoftBank Mobile Customer Center, General Information (**P.15-41**).

Replacement parts are available for 6 years after termination of production.

- SoftBank Mobile is not liable for any damages resulting from use of this product.
- SoftBank Mobile is not liable for any damages resulting from accidental loss/alteration of handset data. Keep a copy of Phone Book entries, etc. in a separate place.
- Disassembling or modifying handset may violate the Radio Law. Modified handset will not be repaired.



Customer Service

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

SoftBank Mobile Customer Center

From a SoftBank handset, dial toll free at **157**
for General Information or **113** for Customer Assistance

SoftBank Mobile Global Call Center

From outside Japan, dial **+81-3-5351-3491**
(International charges apply.)

Call these numbers toll free from landlines.

Subscription Area	Service Center	Phone Number
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

