

Others

Digital TV

- Digital TV is available only in Japan.
- USIM Card removal disable Digital TV.

Initial Setup

Main Menu ▶ TV ▶ Channel Setting

- 1 **Select Area** → Select a region → Select a prefecture → **YES**

■ Automatic Channel Setup

If manual setup fails, try automatic channel setup.

> In Step 1, **Automatic** → **YES** → After channel search, **YES** → Enter title

Using Channel List

From ▶ Main Menu ▶ TV ▶ Channel List

■ Set Channels

> Select a Channel List
● Select a channel to access the station.

■ Delete Channel List

> Highlight a Channel List →  [Menu] → **Delete** → **YES**
● Selected Channel List cannot be deleted.

Watching TV

- Set channels beforehand ().



- To switch Portrait/Landscape View: 

- 2 Select a channel

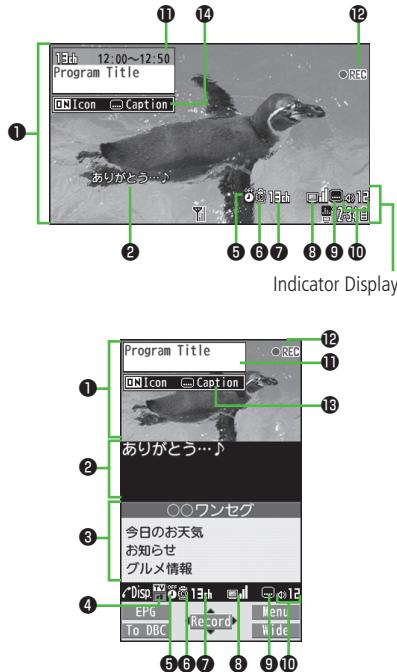
Direct Channel Access	 1 – 9 * (Channel 10) 0 (Channel 11) # (Channel 12)
Previous/Next Channel	
Channel Search	Press and hold  ● To stop:  [Cancel] or 

- 3 To end TV,  → **End TV**

Others

Indicators

- Screenshots provided for reference only.



Item	Description	Operation
① Image	—	—
② Captions	—	—
③ Data Broadcast	—	—
④ Data Broadcast Mode	Data Broadcast Mode off Data Broadcast Mode on	[To TV]/[To DBC] ²
⑤ Off timer	(☞ P.8-3)	—
⑥ ECO Mode	(☞ P.8-3)	—
⑦ Channel	(☞ P.8-1) • When multiple programs are available in the same broadcasting station, "service number/total numbers" appears.	—
⑧ Signal Strength Level	 Strong ← → Weak Out of range	—
⑨ Receiving Captions	—	—
⑩ Volume	—	• Adjust volume: ¹ • Mute/Resume:
⑪ Program Title	—	or ³
⑫ Recorder Status ¹	Recording Timer Set	(☞ P.8-3)
⑬ Display/Caption ²	Display: ON/OFF/Large Caption: ON/OFF	(Each key press toggles settings.)
⑭ Indicator/Caption ³	Indicators: ON/OFF Caption: Upper position/Lower position/OFF	(Each key press toggles settings.)

¹ Only when Data Broadcast Mode is off

² Only in Portrait View

³ Only in Landscape View

Others

Functions while Viewing TV

From ▶ While TV is active,  [Menu]

■ Set Main/Sub Sound

> *Settings* → *Sound* → *Main/sub sound* → Select an item

■ Set Power Saving Mode

> *Settings* → *ECO Mode* → *YES*

■ Off Timer

> *Settings* → *Off timer* → Select a time or *OFF*

■ View Key Guide

> *Key guide*

Recording/Playing Programs

● Recordings are saved to microSD Card.

Recording Current Program

1 Activate TV (Data Broadcast Mode off) →  [Record]

 appears, and recording starts.

2  [Stop] to end recording

Program is automatically saved.

■ Capture Screenshots

> Activate TV (Data Broadcast Mode off) → Press and hold 

Playing Recorded Programs

Main Menu ▶ **Data Folder** ▶ **TV** ▶ **Video**

1 Select a video

Playback starts.

2  to stop playback

Timer

Main Menu ▶ **TV**

1 *Timer Watching* or *Timer Recording*

2  [New] → Select an item

● Set a channel, date and time to start and end viewing/recording a program.

3  [Finish] → For *Timer Recording*, *YES* or

YES (confirm once)

Appendix

Handset Data Backup

Back up Phone Book, Calendar, Tasks, Messages, Notepad, and Bookmarks, etc. to microSD Card; restore files after accidental loss/alteration.

- microSD Card Installation: ↪ P.1-6

Backing up to microSD Card

Main Menu ▶ Tools ▶ microSD Backup ▶ Refer Data

1 Highlight a category → [Menu] → ***Copy to microSD***
(→ For **Bookmarks**, select an item)

2 Enter Phone Password → **YES**

One File Backup

➤ Open a file → [Menu] → ***Copy to microSD*** → **YES**

Restoring from microSD Card

Main Menu ▶ Tools ▶ microSD Backup ▶ Refer Data

1 Select a category

2 Restore One Item

Select a file → Highlight an item → [Menu] → ***Add to phone***

Restore One File

Highlight a file → [Menu] → ***Add to phone*** or ***Overwrite to phone*** → Enter Phone Password

Restore All Files

[Menu] → ***Add all to phone*** or ***Overwr. all to ph.*** → Enter Phone Password

3 YES

Note

- Note that ***Overwrite to phone*** or ***Overwr. all to ph.*** erases all files of same category on handset.
- Data backed up in other SoftBank handsets may not be restored in 103P depending on type and size.

All Data Backup/Restoration

Back up/restore handset data (Phone Book, Calendar, Messages, Notepad, Bookmarks) all at once.

Main Menu ▶ Tools ▶ microSD Backup ▶ Backup/Restore

1 Select an item → Enter Phone Password → **YES**

Note

- Data backed up in 103P cannot be restored in other handsets.

Appendix

Software Update

Check for 103P software updates and download as required.

- Transmission fees do not apply to updates (including checking for updates, downloading and rewriting).
- Fully charge Battery beforehand. Even if  appears, low battery message may appear. In this case, charge Battery until Notification Light/Charging Indicator goes out.
- Select a place where signal is strong and stable.
- Other functions are unavailable during update.
- Software Update does not affect Phone Book entries, files saved in Data Folder or other content, but it is recommended that you create a backup of any important information and data (note that some files cannot be copied). SoftBank Mobile is not liable for damages resulting from loss of data, information, etc.
- Do not remove Battery/USIM Card during the update. Update will fail.
- Software Update failure may disable handset. Contact SoftBank Customer Support, Customer Assistance (☞ P.9-22).

**Main Menu ▶ Settings ▶ Phone Settings ▶ Software Update
▶ Software Update**

1 [Yes] → Follow onscreen instructions

After download is complete, handset automatically restarts and update begins.

When update is complete,

Software has been successfully updated.

appears. Handset restarts, then Information appears. Entire process takes approximately 60 seconds.



Update Results

When Information Window appears,

Software Updt. Result

- When Information Window does not appear,
**Main Menu ▶ Settings ▶ Phone Settings
▶ Software Update ▶ Update Results**



Scheduled Update

SoftBank Mobile sends update notice via SMS; read and change preset update schedule as needed. Confirmation appears at scheduled time. Press  or wait a while for update to start.

Note

- If handset does not power on after Software Update, remove then re-insert Battery and try again. If handset still does not power on, contact SoftBank Customer Support, Customer Assistance (☞ P.9-22).
- SoftBank Mobile is not liable for damages resulting from loss of data, information, etc.
- Alarm tone does not sound during update.
- For more information, see SoftBank Mobile Website: <http://mb.softbank.jp/en/>

Troubleshooting

Handset will not power on

- Was  pressed for more than one second?
- Is battery level sufficient?
- Is battery installed properly? (☞ P.1-5)

Handset functions do not work after power on

- Does PIN entry window appear?
PIN Authentication (☞ P.1-17) is **ON**. Enter PIN.

USIM not inserted After power-off Insert USIM or Inserted USIM is unavailable to this mobile phone Please insert valid one appears at power on or after key press

- Is USIM Card installed correctly? (☞ P.1-4)
- Is SoftBank Mobile specified USIM Card installed?
Unusable USIM Card may be inserted.
- USIM Card IC chip may be dirty.
Wipe with a clean cloth, then correctly install USIM Card.

Keypad does not respond

- Does  appear in Standby?
Keyguard (☞ P.1-9) is active. Cancel it.

Outgoing calls/text messages/Internet transmissions are unavailable

- Does  appear?
Is handset out-of-range or signal weak?
Move for a stronger signal.
- Does  appear?
Cancel Offline Mode (☞ P.1-18).
- Are you using handset outside Japan?
Change International Call settings (e.g. select operator) (☞ P.3-4).
- Is area code entered?
- Are outgoing calls restricted (Call Barring)? (☞ P.3-8)

Call is interrupted or disconnected

- Does  appear? Is handset out-of-range or signal weak?
Move for a stronger signal.

Digital TV does not work

- Is handset out of set broadcast area range or TV signal weak?
Confirm Channel List area or move for a stronger signal.

Date & Time is incorrect

- Battery removal does not affect Date & Time, however, a long period without power may. Set Date & Time (☞ P.1-10) or Retrieve NW Info (☞ P.1-9).

Cannot charge Battery

- Is AC Charger (sold separately) firmly connected to handset or Desktop Holder (sold separately)? (☞ P.1-6)
- Is AC Charger securely plugged into an outlet?
- Is Battery installed in handset correctly? (☞ P.1-5)
- Is handset correctly mounted in Desktop Holder?
- Are handset, Battery, Desktop Holder and AC Charger terminals clean?
- Battery may not charge beyond +5°C and +35°C.
- Battery may need to be replaced.

Appendix

Handset/accessories feel warm

- AC Charger/Desktop Holder may warm during charging.
Handset may warm during long use. This is normal if you can hold it comfortably. Low temperature burns may occur if handset is held against skin for long periods.

Battery operating time is greatly reduced

- Battery operating time may be reduced by environmental factors such as temperature, charging conditions or signal strength, as well as by operations or settings. See "Specifications" (☞ P.9-21).

Warning Signs

Problem	Causes and Remedies
OUT appears	Handset is out-of-range. Move to a location where signal is strong.
✉ appears	Keyguard is active (☞ P.1-9). Cancel Keyguard to use keys. Answer calls even if Keyguard is active.
Low battery message appears and battery alarm tone sounds	Battery is low. Charge (☞ P.1-6) or replace Battery (☞ P.1-5).

Appendix

Safety Precautions

- For proper handset use, read Safety Precautions carefully beforehand. Keep this guide in a safe place for future reference.
- Safety Precautions contain information meant to prevent injury to the user or others, or property damage, and must be observed at all times.
- SoftBank Mobile is not liable for any damages resulting from use of this product.
- These labels indicate the degree of risk from improper use.

Make sure you thoroughly understand their meanings before reading on.

	Danger Great risk of death or serious injury from improper use
	Warning Risk of death or serious injury from improper use
	Caution Risk of minor injury or damage to property from improper use

- These symbols indicate prohibited or compulsory actions.

Make sure you thoroughly understand their meanings before reading on.

	Prohibited actions
	Disassembly prohibited
	Exposure to liquids prohibited
	Use with wet hands prohibited

	Compulsory actions
	Unplug AC Charger from outlet

Handset, Battery, USIM Card, AC Charger (Sold Separately) & microSD Card (Sold Separately)

	Danger
	Do not use or leave handset or related hardware in locations subject to high temperatures, such as near an open flame/heater, in sunlight or inside a car on an extremely hot day.
	Do not charge, leave, use, or be carrying handset or related hardware in a warm place or where heat collects, such as under a kotatsu (blanketed warming table) or electric blanket, next to a kairo (worn warming patch), etc. Battery may leak, overheat, explode, or ignite. Handset or related hardware may deform or malfunction. Part of the casing may also become hot and cause burns.
	Do not use excessive force to attach Battery or connect AC Charger to handset. Battery or connector may be the wrong way around. Battery may leak, overheat, explode or ignite.

Appendix



Do not disassemble, modify or solder handset or related hardware.

May cause accidents such as fire, bodily injury, electric shock or equipment malfunction. Battery may leak, overheat, explode or ignite. Modifying handset is a violation of Radio Law and subject to prosecution.



Do not get handset, Battery and AC Charger wet.

If handset, Battery or AC Charger is left wet or Battery is charged after exposure to liquids such as water or pet urine, overheating, electric shock, fire, injury or malfunction may occur.

Be mindful of location when using handset, Battery and AC Charger. Handle with care.



Use specified Battery, AC Charger and Desktop Holder (sold separately).

Battery may leak, overheat, explode or ignite, and AC Charger may overheat, ignite or cause malfunction.



Warning



Do not place handset, Battery or AC Charger inside cooking appliances, such as microwave ovens or high-pressure containers, or on IH cooking heaters.

Battery may leak, overheat, explode or ignite. Handset or AC Charger may overheat, emit smoke, ignite or cause malfunction.



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

Battery may leak, overheat, explode, ignite, or cause electric shock or damage to handset.



Do not allow liquids (water, pet urine, etc.) or conductive objects (pencil leads, metal parts, necklaces, hair pins, etc.) to contact Charger terminals, External Device Port terminals or microSD Card slot.

May cause fire or malfunction triggered by short-circuit.



Keep handset off and AC Charger disconnected near propane gas, in filling stations or places where flammable gas is generated.

Handset use in such areas may lead to fire.



If handset, Battery or AC Charger emits an unusual sound, smoke or odor, perform following steps:

1. Unplug AC Charger/In-Car Charger.
2. Turn off handset.
3. Remove Battery. (Take care to avoid burns or injuries.)

May cause fire or electric shock.



Caution



Do not place handset, Battery or AC Charger on an unstable surface.

May fall, causing injury or malfunction. Take extra precautions while vibration is active or during charging.



Keep handset and related hardware out of the reach of young children.

May result in accidental ingestion or bodily injury.



If for use by child, guardian should teach proper handling and ensure handset and related hardware is used as directed.

May result in bodily injury.

Appendix

Battery



Danger

See Battery label to confirm battery type.

Label	Battery Type
Li-ion 00	Lithium-ion



Do not throw Battery into fire.

Battery may leak, explode or ignite.



Do not pierce Battery with a nail or other sharp object, hit it with a hammer, step on it, or subject it to strong shocks.

Battery may leak, overheat, explode or ignite.



Do not touch terminals with metallic objects or carry/store Battery with conductive objects (pencil leads, metal parts, necklaces, hair pins, etc.).

Battery may leak, overheat, explode or ignite.



If Battery fluid gets into eyes, do not rub. Flush with clean water and see a doctor immediately.

Failure to do so may cause blindness.



If Battery emits an unusual odor, overheats, discolors or deforms, immediately remove it and keep away from fire. Take care to avoid burns or injuries.

Battery may leak, overheat, explode or ignite.



Do not allow a pet to bite or chew on Battery.

Battery may leak, overheat, explode or ignite. Handset may malfunction.



Caution



Do not dispose of Battery with ordinary refuse.

Tape over terminals to insulate Battery; take it to a SoftBank Shop or institution that handles used batteries in your area. Comply with local waste disposal regulations.



Warning



If Battery fluid comes into contact with skin or clothing, stop handset use immediately and rinse fluid off with clean water.

Battery fluid is harmful to your skin.



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

Battery may leak, overheat, explode or ignite.

Appendix

Handset



Warning



Do not use handset while driving a vehicle.

Doing so, even with earphone, may interfere with safe driving and cause an accident. Stop your vehicle to park in a safe place before using handset.

Drivers using handsets while driving are subject to prosecution.



Do not aim infrared port at eyes in infrared transmissions.

Doing so may affect eyes.



Turn off handset near high-precision electronic devices or devices using weak electronic signals.

Handset may cause these devices to malfunction.

* Electronic devices that may be affected: Hearing aids, implantable cardiac pacemakers, implantable cardioverter defibrillators, other medical electronic devices, fire alarms, automatic doors and other automatically controlled devices.



Turn off handset aboard aircraft.

Handset signal may interfere with aircraft operation.

When in-flight handset use is permitted, follow airline instructions for proper use.



If you have a weak heart, take extra precautions when setting functions such as vibration or sound volume for incoming transmissions.

May affect heart.



In a thunderstorm, immediately turn off handset and seek shelter.

There is a risk of being struck by lightning and suffering electric shock.



Caution



If handset affects car electronics, stop use.

Handset use may affect electronics in some models. In this case, stop use; could impede safe driving.



Do not place a magnetic card near or in handset.

The stored magnetic data in cash cards, credit cards, telephone cards and floppy disks, etc. may be erased.



Do not swing handset by its strap, etc.

Handset may strike you or others, or strap may be broken resulting in injury or damage to handset or other property.



Do not place your ear too close to the speaker while ringer sounds or sound files play.

May impair hearing.



Do not use handset when it is damaged.

May cause fire, bodily injury or electric shock.

Appendix



If skin abnormality occurs, immediately stop use and seek medical treatment.

Handset contains metals. Handset use may cause itching, rashes, eczema or other symptoms depending on the user's physical condition.

Parts		Materials/Surface Finish
Outer case	Keypad side, Display rear side, Battery side	ABS/UV coating
	Display side, Hinge holder	PC/UV coating
External Device Port terminals		Stainless steel/Nickel plating, Gold plating
External Device Port Cover		Elastomer
Camera panel, Display panel		PMMA/Hard coating
Protrusion on Camera Panel		ABS
Charging Terminals		Phosphor bronze/Nickel plating Gold plating
Keypad	Center Key	PC/Hard coating
	Sheet	PC
	Keys	PC/UV coating
Stop pads		Acrylic urethane
Notification Lamp		PC/Evaporated tin, UV coating
Battery Cover	Resin part	ABS/UV coating
	Battery compartment sheet	PC
Battery compartment		PC
Battery terminals	Resin part	PPS
	Terminals	Beryllium copper/Nickel plating, Gold plating

Parts	Materials/Surface Finish	
Battery	Resin part	PC
	Terminals	Glass fiber reinforced epoxy board/ Nickel plating, Gold plating
	Label	PET
Screws (Battery compartment)		Iron/Nickel plating
Nameplate		Polyester
microSD Card slot (Battery compartment)	Metal part	Stainless steel/Nickel plating
	Resin part	LCP



Handset may become hot while used in a hot environment.
Avoid prolonged skin contact that may result in burns.



Make sure not to trap fingers or objects when opening/closing handset.
May result in injury or damage to Display.



Watch TV with adequate lighting and distance from Display.
May damage eyesight.



Do not turn up the volume unnecessarily high when using earphones.
Using earphones with volume turned up for an extended period may impair hearing.

Appendix

AC Charger (Sold Separately)



Warning



Do not cover or wrap AC Charger during charging.

May cause overheating, fire or malfunction.



Always use the specified power supply/voltage.

Using incorrect voltage may cause fire or malfunction.

AC Charger: AC100V-240V (household AC outlet only)

In-Car Charger (sold separately): DC12V, 24V (vehicles with a negative earth only)

Do not use transformer for charging. May cause fire, electric shock or malfunction.



Use In-Car Charger (sold separately) in vehicles with a negative (-) earth. Do not use In-Car Charger if vehicle has a positive (+) earth.

May cause fire.



Do not use AC Charger in thunderstorms.

Risk of electric shock.



Do not handle AC Charger with wet hands.

May cause electric shock or malfunction.



If In-Car Charger (sold separately) fuse blows, always replace it with specified fuse.

Using the incorrect fuse may cause fire or malfunction. Refer to the respective manuals for information on the correct fuse specifications.



If dust accumulates on plug, unplug AC Charger and wipe with a dry cloth.

May cause fire.



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

May cause electric shock, short-circuit or fire.



Unplug AC Charger during periods of disuse.

May cause electric shock, fire or malfunction.



If liquid (water, pet urine, etc.) gets into AC Charger, unplug it immediately.

May cause electric shock, smoke emission or fire.



Caution



Do not subject AC Charger to strong force or impact when connecting to AC outlet.

May cause bodily injury or malfunction.



Pull AC Charger (not cord) to unplug AC Charger.

Pulling on the cord may damage the cord and cause electric shock or fire.



Always unplug AC Charger before cleaning it.

May result in electric shock.

Appendix

Near Electronic Medical Equipment



Warning

This section is based on "Guidelines on the Use of Radio Communications Equipment such as Cellular Telephones and Safeguards for Electronic Medical Equipment" (Electromagnetic Compatibility Conference, April 1997) and "Report of Investigation of the Effects of Radio Waves on Medical Equipment, etc." (Association of Radio Industries and Businesses, March 2001).



If you use an implantable cardiac pacemaker or cardioverter defibrillator, keep handset more than 22 cm away from the implant at all times.

Handset radio waves may affect implantable cardiac pacemaker or cardioverter defibrillator operation.



Persons using electronic medical equipment outside medical facilities should consult the vendor about possible radio wave effects.

Handset radio waves may affect electronic medical equipment operation.



Observe the following in medical facilities. Handset radio waves may affect electronic medical equipment.

- Do not take handset into operating rooms, Intensive Care Units or Coronary Care Units.
- Turn off handset inside hospital wards.
- Turn off handset even outside hospital wards (in hospital lobbies, etc.); electronic medical equipment may be in use nearby.
- Where a medical facility has specific instructions prohibiting the carrying and use of mobile phones, observe those instructions strictly.



Turn off handset in crowded places such as rush hour trains; implantable cardiac pacemakers or cardioverter defibrillators may be in use nearby.

Handset radio waves may affect implantable cardiac pacemaker or cardioverter defibrillator operation.

Handling Precautions

General Notes

- SoftBank Mobile is not liable for damages from loss of handset/microSD Card information (Address Book entries, image/sound files, etc.) due to accidental loss/alteration/repair of handset. Back up important information.
- Handset transmissions may be disrupted inside buildings, tunnels or underground, or when moving into/out of such places.
- Use handset without disturbing others.
- Handsets are radios as stipulated by the Radio Law. Under the Radio Law, handsets must be submitted for inspection upon request.
- Handset use near landlines, TVs or radios may cause interference.
- Read microSD Card manual beforehand for proper use.
- Beware of eavesdropping.
Digital signals reduce interception, however, transmissions may be overheard. Deliberate/accidental interception of communications constitutes eavesdropping.
"eavesdropping" means radio communication is received by another receiver deliberately or accidentally.
- Be cautious of unsafe webpages. Take extra precautions especially when posting personal information on webpages.

Electromagnetic Safety

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

FCC Notice

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

Appendix

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 0.638 W/kg, and when worn on the body in a holder or carry case, is 0.306 W/kg.

Body-worn Operation: This device was tested for typical body-worn operations with the back of the handset kept 1.5 cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.5 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 UCE211049A.

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 W/kg and the highest SAR value for this device when tested at the ear was 0.803 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 guide**. In this case, the highest tested SAR value is 0.613 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 on page 9-12 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 SoftBank 3G model
<http://mb.softbank.jp/mb/support/3G/product/sar/> (Japanese)

Appendix

Declaration of Conformity

CE0168

We, Panasonic Mobile Communications Development of Europe Ltd., declare that SoftBank 103P conforms with the essential and other relevant requirements of the directive 1999/5/EC.

A declaration of conformity to this effect can be found at
<http://panasonic.net/pmc/support/index.html>

- This product is only intended for sale in Japan.
- Compliance to the European RTTE directive applies to: SoftBank 103P handset, Battery (PMBAS1) and AC Charger (SoftBank ZTDAA1, marked MITSUMI).

Handset Care

- 103P is not waterproof. Avoid exposure to liquids and high humidity.
 - Do not expose handset to precipitation.
 - Air conditioned air may cause condensation, resulting in 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.
- If handset is left with no Battery or an exhausted one, data may be altered/lost. SoftBank Mobile is not liable for any resulting damages.
- Use handset within temperatures of 5°C to 35°C and humidity 35% to 85%. Avoid extreme temperatures/direct sunlight.
- Handset may become warm during use or charging. This is not a malfunction.
- Battery may swell as service life nears end. This is not a problem.

- 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 Display.
- Do not subject handset to excessive force.
 - Do not sit down with handset in a back pocket.
 - Do not place heavy objects in a bag with handset inside.
- Do not remove nameplate from handset; doing so invalidates warranty.
- Always turn off handset before removing Battery. If Battery is removed while saving or sending mail, data may be altered or lost.
- Display is manufactured with high precision technology, however, some pixels may appear darker/brighter.
- Connect only specified products to External Device Port.
- While walking, moderate earphone volume to make sounds around you audible and help avoid accidents.
- When holding handset in use, do not cover Speaker.

Appendix

Function Usage Limits

Handset is unusable unless USIM Card is installed.

Multitasking during Calls/Data Transmissions

- Calls/data transmissions incur transmission fees even when other functions/operations are simultaneously in use.

Camera

- Be sure to observe proper etiquette when using Camera.
- Do not expose Camera lens to direct sunlight. Concentrated sunlight through the lens may cause handset to malfunction.
- Be sure to try taking and previewing pictures before using Camera on important occasions like wedding ceremonies.
- Do not commercially use or transfer pictures taken with Camera without the permission of the copyright holder (photographer), except for personal use.
- Do not use Camera in locations where taking photos and recording videos are prohibited.

Bluetooth®

- Connection with all Bluetooth® devices is not guaranteed.
- Handset complies with Bluetooth® security standards. However, this does not ensure 100% security.
- SoftBank Mobile is not liable for damages from Bluetooth® transmission data leakage.
- Bluetooth® transmits on the same frequency band as microwave ovens, industrial/scientific/medical equipment, radio stations, amateur radio stations (hereafter "other radio stations"), etc.
 - 1 Before Bluetooth® use, visually confirm that other radio stations using the same frequency band are not nearby.
 - 2 If interference between handset and other radio stations occurs, move handset or immediately cancel Bluetooth® transmission.
 - 3 For more information, contact SoftBank Customer Support, General Information (☞ P.XX-XX).

Wireless Frequency Bands

● Bluetooth® frequency band:



- 2.4 GHz band with FH-SS modulation; maximum communication distance is 10 m.
- 2400 – 2483.5 MHz band. Avoiding frequency band of mobile unit identification apparatus is not possible.
- When using Bluetooth® function in other countries, check local regulations beforehand.

Appendix

Copyrights

Portrait Rights

Individuals have the right to refuse being photographed or publication or use of their image. Personality rights, or Right of Publicity, is a form of property right designed to protect celebrity interests that applies to all people. Be careful when using handset camera. Photographing or distributing the images of others without permission is unlawful.

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- (i) encode video in compliance with the MPEG-4 Visual Standard, AVC Standard and VC-1 Standard ("MPEG-4/AVC/VC-1 Video") and/or
- (ii) decode MPEG-4/AVC/VC-1 Video that was encoded by a consumer engaged in a personal activity and/or was obtained from a video provider licensed to provide MPEG-4/AVC/VC-1 Video.

No license is granted or shall be implied for any other use.

Additional information may be obtained from MPEG LA, L.L.C. See <http://www.mpegl.com>.

MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

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Windows® XP is the abbreviation of Microsoft® Windows® XP Professional operating system or Microsoft® Windows® XP Home Edition operating system.

Appendix

Microsoft Windows operating system is abbreviated as "Windows" in this guide.

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Contact Information

pmc-cs@gg.jp.panasonic.com

Source code is also freely available to you and any other member of the public via the website below.

<http://panasonic.jp/mobile/gpl-s/english.html>

Please note that we cannot respond to any inquiries regarding the source code.

You cannot download the source code from a mobile phone. Use your PC to download the source code.

For more details on the relevant software (including license information of GPL v2/LGPL), follow these steps: *Main Menu* → *Settings* → *Phone Settings* → *GPL License etc.*

Appendix



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Appendix

RF Exposure Information/Specific Absorption Rate (SAR) Information

This mobile phone 103P 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 0.889 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 1.5 cm separation with no metal (parts) between the body and the mobile phone, this mobile phone will comply with international guidelines for radio wave protection (***)�.

The 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".

Appendix

Specifications

103P

Weight (including Battery)		110 g*
Dimensions (closed)		50 x 109 x 16.5-18 mm*
Standby Time	3G	630 hours*
	GSM	360 hours*
Talk Time	3G	230 minutes*
	Video Call	150 minutes*
	GSM	230 minutes*
TV Reception Time	Normal Mode	5.25 hours*
	ECO Mode	6.5 hours*
Charging Time		130 minutes*
Maximum Output	3G	0.25 W
	GSM	2.0 W

* Approximate value

Battery

Voltage	3.7 V
Battery Type	Lithium-ion
Capacity	800 mAh
Dimensions	45 x 4.5 x 37 mm*

* Approximate value

● Specifications subject to change without notice.

Support

Warranty

Warranty is provided when you purchase a 103P.

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

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

After-Sales Service

See "Troubleshooting" (☞ P.9-3) before contacting SoftBank Mobile for service or repairs. If you cannot find solutions or solve problems, contact SoftBank Customer Support, Customer Assistance (☞ P.9-22) 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, any repairs are performed upon request at subscriber's expense.

Appendix

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

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)

SoftBank 103P User Guide

June 2012, First Edition

SOFTBANK MOBILE Corp.

For additional information, please visit a SoftBank Shop.

Model: SoftBank 103P

Manufacturer: Panasonic Mobile Communications Co., Ltd.



Please help the mobile industry maintain high environmental standards. Recycle your old handsets, batteries and charger units (all manufacturers and brands). Before you recycle, please remember these important points:

- Handsets, batteries and chargers submitted for recycling cannot be returned.
- Always erase all data recorded on old handsets (Phone Book entries, call records, mail, etc.) before recycling.