

# **Introduction**

Congratulations on your new 3G/GSM dual mode phone SX813.

## **About This User Guide**

This user guide is carefully designed to help you learn about your phone's features and operations quickly and effectively.

### **NOTICE**

- We strongly recommend that you keep separate permanent written records of all important data. Data may be lost or altered in virtually any electronic memory product under certain circumstances. Therefore, we assume no responsibility for data lost or otherwise rendered unusable, whether as a result of improper use, repairs, defects, battery replacement, use after the specified battery life has expired or any other cause.
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## Useful Functions and Services

Your phone offers you the following features:

- Video calls. You can talk while viewing each other on respective screens.
- A built-in digital camera for taking pictures and video clips.
- A messaging function for reading and creating SMS and MMS messages.
- A WAP browser for accessing information on the mobile Internet.
- Java™ applications. You can also download various applications from SmarTone via the mobile Internet.
- A voice recorder function for recording and playing back voice clips.
- A *Bluetooth*® wireless technology interface for establishing contact and transmitting data with certain devices. You can transmit pictures, sounds, and video clips to OBEX-enabled phones.
- An infrared interface for data communication. You can transmit pictures, sounds, and video clips to OBEX-enabled phones.
- A schedule alarm for creating and sending schedule entries with alarm settings.
- Video output. You can connect your phone to other devices, such as TVs or videos set to output, and display Java™ data, images, or video clips.
- Barcode scanner. With the built-in digital camera, you can read texts and barcodes, and create QR codes.
- Playback of the downloaded sound and video clip files.
- SD memory card slot that expands connectivity with a PC using the memory card.

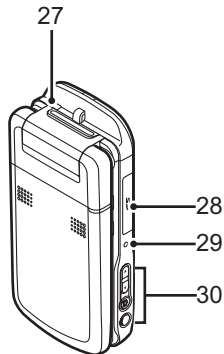
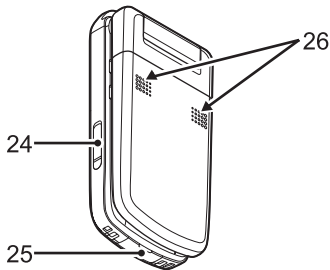
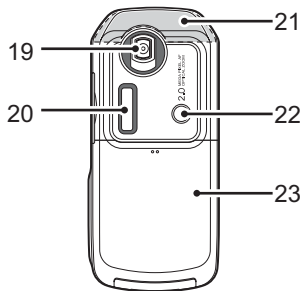
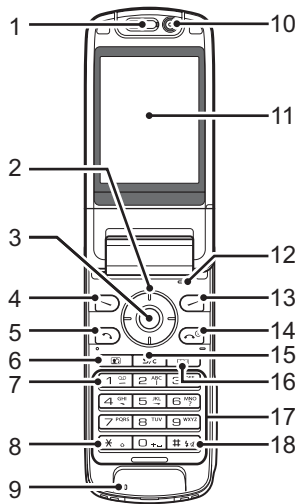
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## Getting Started





### 1. Earpiece

### 2. Navigation Keys (Arrow Keys):



Moves cursor to highlight a menu item, etc.

Up arrow key:

Displays the Shortcut menu when pressed during stand-by.

Down arrow key:

Displays the Phonebook entries when pressed during stand-by.

Left arrow key:

Displays the list of Java™ Gallery when pressed during stand-by.

Right arrow key:

Displays Gallery when pressed during stand-by.

### 3. Centre Key:



Displays the Main menu when pressed during stand-by, then executes the highlighted function.

### 4. Left Soft Key:



Executes a function at the bottom left of the screen.

Press during stand-by to display the Messaging screen.

### 5. Send/Redial Key:



Makes or accepts calls, displays the All Calls screen in stand-by mode.

### 6. Video Call Key:



Makes or accepts Video Calls.

### 7. Voice Mail Key:



Long press to connect to the Voice mail centre automatically.

### 8. \* /Shift Key:



Switches character input method as follows on the text entry screen.

In English mode: Abc, ABC, abc and 123. In T9 mode, T9 Abc, T9 ABC, T9 abc and 123.

In Traditional Chinese mode: Abc, ABC, abc, 123, and T9 Stroke

In Simplified Chinese mode: Abc, ABC, abc, 123, T9 PinYin, and T9 Stroke

Press to enter P, ?, – or \* in stand-by mode.

### 9. Microphone

### 10. Sub Camera (Internal Camera)

### 11.Main Display

### 12.Microphone (for the viewer style of the display)

### 13.Right Soft Key:



Executes the function at the bottom right of the screen.

Shortcut to “SmarTone in” by opening the browser. Press during stand-by.

### 14.End/Power Key:



Ends a call and turns power on/off.

### 15.Clear/Back Key:



Clears the characters before the cursor, returns to the previous screen, etc. Opens the Media Player screen.

### 16.Multimedia Key:



### 17.Keypad:

1 key:

Shortcut to the Voice mail centre. Long press during stand-by.

2-9 keys:

Long press during stand-by to display each speed dial phone number.

0 key:

Long press to enter +.

### 18.#/Flash Light Key:



Switches symbol screens on the text entry screen. Long press to switch languages on the text entry screen.

Turns the flash/auxiliary light on or off in camera mode.

Long press during stand-by to switch Profiles settings between the mode most recently activated and Silent mode.

### 19.Camera (External Camera)

### 20.Sub Display

### 21.Built-in Aerial:

Warning: Do not cover the top of the phone with your hand when in use as this may interfere with the performance of the built-in aerial.

### 22.Mobile Light:

Used as a flash in camera mode or as an auxiliary light.

**23. Battery Cover**

**24. VIDEO OUT/Handsfree Microphone Connector**

**25. External Connector:** Used to connect either the charger or a USB data cable.

**26. Stereo Speakers**

**27. Infrared Port:** Sends and receives data via infrared.

**28. Memory Card Slot Cover**

**29. Small Light:** Used as a battery charge indicator.

**30. Side Keys (Side-Up/Side-Down/Camera/Cancel):**

Side-Up/Side-Down: (These two keys work in reverse with the viewer position of the display.) Moves the highlight up or down.  
Press during stand-by or during a call to increase or decrease the earpiece volume.  
Press in camera mode to increase or decrease the zooming ratio.

**Camera Key:**

Displays the Main menu when pressed during stand-by, then executes the highlighted function. Long press to activate the camera.

Long press to display the Options menu.

Press during an incoming call to answer the call.

Press during a call to display the Call options.

Press halfway to lock the focus in camera mode.

Press fully to take a picture with the camera.

**Cancel Key:**

Press to return to the previous screen.

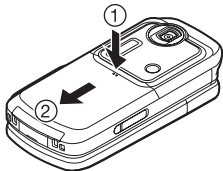
Long press to reject an incoming call.

Press during an incoming call to send a busy tone to the caller.

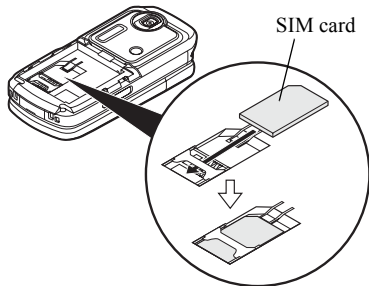
Press to end the call.

## Inserting the SIM Card and the Battery

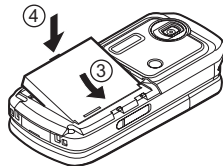
1. Slide off the battery cover (① ②).



2. Slide the SIM card into the SIM holder.



3. Hold the battery so that the metal contacts of the battery are facing down, slide the guides on the top of the battery into the battery slots ③, and then insert it ④.



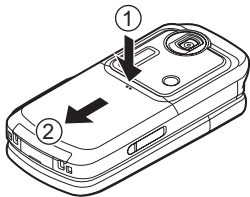
4. Replace the battery cover.

### Note

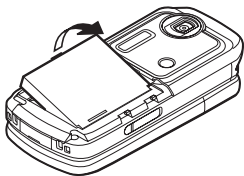
- In this user guide *USIM* is also included when referring to *SIM*.
- Make sure that only 3V SIM cards are used for SIM cards.
- Make sure that the standard accessory battery is used.

## Removing the SIM Card and the Battery

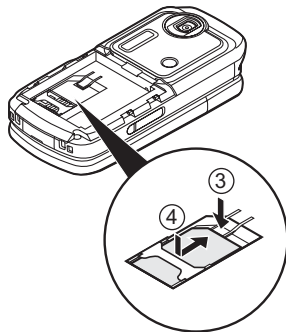
1. Ensure that the phone is turned off and that the charger and other accessories are disconnected. Slide off the battery cover (① ②).



2. Lift the battery using the protruding edge and remove the battery from the phone.



3. Hold ③ down gently while sliding the SIM card out of the SIM holder (④).



### Battery Disposal

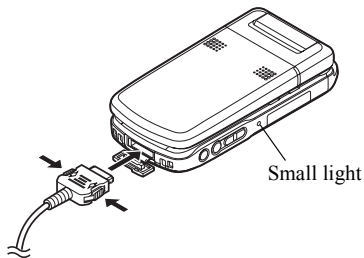
The device is battery-powered. In order to protect the environment, please read the following points concerning battery disposal:

- Take the used battery to your local waste depot, dealer or customer service centre for recycling.
- Do not expose the used battery to a naked flame, immerse in water or dispose with the household waste.

## Charging the Battery

### Using the Charger

1. Open the cover of the external connector, connect the charger to the external socket located at the bottom of the phone by pressing both sides indicated with arrows, and connect to an AC outlet.



The small light turns red.

Standard charging time: Approx. 135 minutes

### Note


- When you purchase this phone, the battery may not be fully charged.
- Charging time may vary depending on the state of the battery and other conditions. (See “Battery” on page 144.)

### To Disconnect the Charger

When charging is complete, the small light turns off.

1. Unplug the charger from the AC outlet, then unplug the charger connector from the phone.
2. Close the cover.

### Note

- Do not use any non-approved chargers as they may damage your phone and invalidate any warranties, see “Battery” on page 144 for details.
- When the phone is charging, the small light blinks and the animated battery status indicator (  ) in the upper right of the screen displays the current status of the battery.


### To Charge Using the Cigarette Lighter Charger

The optional cigarette lighter charger supplies power for charging from the cigarette lighter socket of a car.





## Battery Level Indicator

The current battery level is displayed in the upper right of the main and the external displays.

## Low Battery during Use

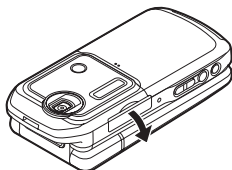
When the battery is running low, an alarm will sound and “” is displayed on the main and external displays.

If you are using your phone and you hear the low battery alarm, attach your charger as soon as possible. The phone may not be able to continue normal operation if you continue to use it.

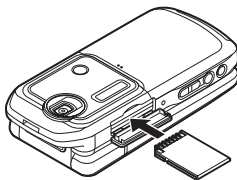
Battery Indicators	Charge Level
	Sufficiently charged
	Charging recommended
	Charging required
	Empty

## Inserting the Memory Card

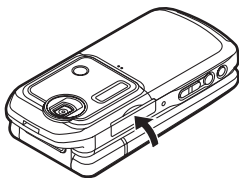
1. Turn off the phone.
2. Open the memory card slot cover.



3. Insert the memory card all the way in.









#### 4. Close the cover.



#### Note

- The miniSD memory card cannot be used with your phone.
- Make sure that the phone is turned off before inserting the memory card.
- Be sure to insert the card in the correct direction and orientation.
- The SD memory card has a write-protect switch that prevents you from deleting memory contents by accident. If you slide the switch to the lock position, you cannot save or delete files.
- Do not open the memory card cover while the memory card is being formatted or written to. The card may be damaged beyond use.
- Keep all memory cards out of the reach of small children.

#### Tip

- You see the following indicators when the memory card is in use:
  - : Appears when the card is inserted.
  - : Appears when the card is inserted and locked.
  - : Appears when the card is damaged or unusable.
  - : Appears when the card is locked and damaged or unusable.
  - : Appears when the card is being written or read.
  - : Appears when the card is being formatted.

## Removing the Memory Card


1. Open the memory card slot cover, remove the card, and close the cover.

#### Note

- Make sure that the phone is turned off before removing the memory card.
- Do not remove the memory card while the memory card is being formatted or written to.



## Turning Your Phone On and Off

To turn the power on, long press  for approximately 2 seconds.

The stand-by screen is displayed.


### To Enter the PIN Code

If activated you are asked to enter a PIN (Personal Identification Number) code and handset lock code after turning on your phone.

1. Enter your PIN code.

The PIN code is 4 to 8 digits.

2. Press .

To turn the power off, long press  for approximately 2 seconds.

### Note

- If your PIN code is entered incorrectly three times in a row, the SIM card is locked. See “Enabling/Disabling the PIN Code” on page 123.
- If the clock settings have not been made, the date and time entry screen is displayed (p. 117).

## To Copy All Phonebook Entries from the SIM Card

When you insert the SIM card into your phone for the first time and start the Phonebook application, you are asked whether you wish to copy Phonebook entries on the SIM card. Follow the on-screen instructions, or you can do it later using the Phonebook menu as follows:


**“Call Manager” → “Advanced” → “Copy All Entries”**


1. Select “SIM to Handset”.

## Keypad Lock

You can lock the keypad to prevent it from being pressed accidentally.

### Locking the Keypad

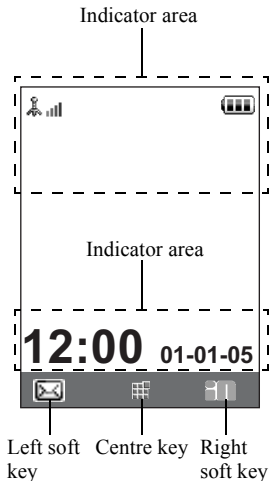
1. Long press  during stand-by.

To unlock, long press .







































### Tip


- Emergency numbers (112, etc.) can be entered and dialled regardless of the keypad lock.

## Display Indicators (Main Display)



1. : Strength of received signal/Service out of range  
 : 3G/GPRS  
 : GSM/GPRS  
 : Roaming outside network
2. : Offline mode [enabled]
3. : Data exchange with external device
4. : Connection to the server [established/communicating]
5. : Memory card inserted
6. : Voice call [incoming/in progress]
7. : Video call communication mode enabled
8. : Diverts set to "Voice calls" of "All Calls"
9. : Secure WAP page displayed
10. : Alerts [text message/multimedia message/email]

11.  /  /  :  /  /  :  
Connection status  
[USB cable/IrDA ON/IrDA  
exchanging information/*Bluetooth*  
wireless setting [enabled (during  
stand-by or except during stand-by)/  
exchanging information/talking with  
the *Bluetooth* headset]]
12.  /  : Java™ application [executed (colour)/  
suspended (grey)]
13. (No display) /  /  /  /  /  :  
Current profile [Normal/Meeting/  
Activity/Car/Headset/Silent]
14.  /  /  /  /  /  :  
Silent/vibration setting [silent/  
increasing volume/vibration enabled/  
silent and vibration enabled/increasing  
volume and vibration enabled]
15.  /  /  : Speaker mode [speaker phone/speaker  
activated/microphone muted]
16.  /  /  /  :  
Battery level [sufficiently charged/  
charging recommended/charging  
required/empty]
17.  : Mobile light enabled
18.  : Daily alarm enabled
19.  /  : Schedule entry enabled [with/without  
reminder alarm]
20.  : Outbox contains unsent messages [text  
message/multimedia/email]
21.  /  /  : WAP/OTA provisioning alerts [WAP  
alert/OTA provisioning alert/WAP and  
OTA provisioning alerts]
22.  : Voice mail message alert
23.  : Connection status [1st IrDA  
communication [enabled/exchanging  
information]]
24.  : Phone Lock enabled
25.  : Keypad Lock enabled

26. /(blank): IrDA setting [enabled/disabled]

27. 12:00: Clock

28. 01-01-05: Date

29. (Operator name)

30. (Cell Broadcasts information)

### Soft Key Indicators

To execute the operation indicated, press the corresponding key.

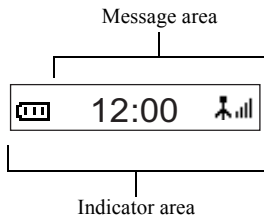
31. Area at the lower left of the screen:

Display the operation executed by the left soft key.

32. Area at the lower right of the screen:

Display the operation executed by the right soft key.

## Display Indicators (External Display)



7. : Call in progress
8. : Alerts [messages/Delivery Report]
9. : WAP Push service
10. : Daily alarm enabled
11. : Sound file being played
12. : Offline mode
13. : Stopwatch/countdown timer
14. : OBEX data incoming
15. : Voice Recorder activated

### Status Indicators

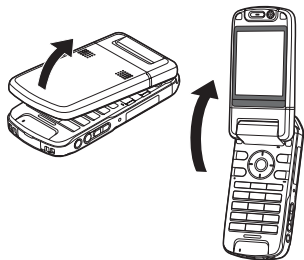
1. : Battery level [sufficiently charged/charging recommended/charging required/empty]
2. : Clock
3. : Strength of received signal/Service out of range
4. : Missed events
5. : Voice call incoming
6. : Video call incoming

## Opening Your Phone

Your phone can be opened in the following three positions: normal, self-portrait and viewer positions.

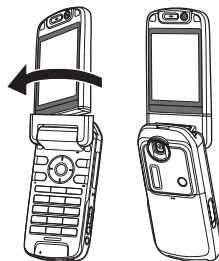
### Normal Position

1. Open the phone until the display stops as illustrated.



### Self-portrait Position

2. Turn the display 180° clockwise.



Use this position to take a self-portrait position with the external camera.

Do not turn the display anticlockwise as this may damage it.

## Viewer Position

3. Close the main display toward the keypad.



### **Note**

- Operations of the side-up and side-down keys are reversed in the viewer position of the display.
- Keypad operations cannot be performed in the viewer position of the display.
- Do not carry the phone in the viewer position of the display as this may damage the display.

# Navigating Functions

## Using in the Normal Position of the Display

All applications are accessed from the Main menu. To open the Main menu, press the centre key (●) during stand-by.

To launch applications, you will need to highlight menu items, and make selections. To select a menu item (indicated in quotation marks), move the cursor using ▲, ▼, ◀ and ▶, and press ● to select.

In certain procedures, you will need to press one of the soft keys (indicated in square brackets), which are displayed at the bottom left and right of the screen. Press the corresponding soft key (⏏ or ⏏).

To return to the previous screen, press the right soft key if it displays *Back*. To close the Main menu, press the right soft key if it displays *Exit*.

Each section in this user guide starts with a list of items you will need to select in order (indicated in *italics*) before performing the procedures shown. Select each item to reveal the next set of items that you have to select. Open subsection items after opening those listed in the main section.

Example:

*“Call Manager”* → *“Phonebook”* → *“Add New Contact”*

## Using in the Viewer Position of the Display

Available keys in viewer position of the display are the side-up and side-down keys, camera key and cancel key.

To open the Main menu, press the camera key during stand-by.

To select a menu item (indicated in quotation marks), press the side-up and side-down keys and press the camera key to select.

In certain procedures, you will need to press one of the soft keys (indicated in square brackets), which are displayed at the bottom left and right of the screen. The left soft key is the camera key and right soft key is the cancel key.

The side keys function in camera mode as follows:

Side-up/Side-down keys: Zoom-in/Zoom-out

Camera key: Capture

Cancel key: Options





## **Voice Call/Video Call Functions**

### ***Tip***


- *You can make and answer a call in the viewer position of the display using the side keys.*

## **Making a Voice Call**

1. Enter the area code and the phone number you wish to dial and press  to dial.

If you enter the wrong number, press  to delete the number to the left of the cursor.



## **Emergency Calls**

1. Enter 112 or 911 (international emergency number) using the keypad and press  to dial.

### ***Note***

- *Emergency calls may not be able to be made on all mobile phone networks when certain network services and/or phone features are in use. Contact your network operator for more information.*
- *This emergency number can normally be used to make an emergency call in any country, with or without a SIM card inserted, if a 3G/GSM network is within range.*

## **International Calls**

1. Long press  until a + (international dialling prefix) sign is displayed.
2. Enter the country code, followed by the area code (without the leading zero) and the phone number, and press  to dial.

## **Adding an Entered Phone Number to the Phonebook**




1. After entering a phone number, press [Options] and select “Save Number”.

For details on creating a new entry, see “Add New Contact” on page 45.



## **Showing or Hiding My Phone Number on the Display of the Called Party**

1. After entering a phone number, press [Options] and select “Hide My ID” or “Show My ID”.

## Speed Dialling

Up to 8 phone numbers from the Phonebook memory (Handset and SIM) can be assigned to speed dials. You can call the numbers using the digit keys ( to ). The phone number of the Voice mail centre is assigned to .





For details on setting the speedial list, see “Speedial List” on page 49.

1. To dial a number using the speed dial, long press any of the digit keys ( to .

The phone number saved in the speedial list is dialled.


## Redialling




You can redial numbers in the call log. Select from specific categories or “All Calls”. Specific categories contain up to 10 numbers and the “All Calls” list contains up to 30.

1. Press  during stand-by.
2. Select the category from “All Calls”, “Dialled Numbers”, “Missed Calls” or “Received Calls”.  
To switch logs, press  or .
3. Highlight the phone number you wish to call.
4. Press  to redial the call.

## Answering a Voice Call

When an incoming call is detected, the phone rings.

1. Press  or [Answer] to answer the call.


Or press any key except , ,  and [Busy] when the “Any Key Answer” function is enabled.

Set the Any Key Answer function in the profile of each mode (p. 112).

### Tip

- *If you have subscribed to the Calling Line Identification (CLI) service and the caller's network sends the number, the caller's number is displayed on the screen. If the caller's name and number are saved in the Phonebook, the caller's name and phone number are displayed on the screen.*
- *If the number is a restricted number, the display shows “Withheld”.*
- *When you receive a call from the person whose picture is registered in the Phonebook, the picture, name and phone number are displayed.*

## Rejecting an Incoming Call

1. Press  while the phone is ringing to reject a call you do not wish to answer.

## Letting the Caller Know You are Unavailable




1. Press [Busy] while the phone is ringing to send a busy tone to the caller of an incoming call letting them know that you cannot answer the call.

## Incall Menu (Voice Call)

Your phone has additional functions available while a call is in progress.

### Adjusting the Earpiece Volume

During a call, you can adjust the earpiece volume (and handsfree volume, if connected).

1. During a call, press the side-up or side-down key to display the Earpiece Volume screen.
2. Press the side-up key (or ) to increase the volume of the call or press the side-down key (or ) to decrease the volume.  
Five levels (level 1 to 5) can be selected.
3. Press  when the volume is set to the desired level.

The phone returns to the in-call screen automatically if left unoperated.

## Turning the Speakers On and Off


You can talk via the loud speakers on the back of the phone by turning them on.

1. During a call, press [Options] and select “Loud Speaker On”.

## Putting a Call on Hold

This function allows you to manage two calls at the same time. If you wish to make another call while you are talking to someone, you can put the current call on hold to call someone else.

### To Make Another Call during a Call

1. During a call, press [Options] and select “Hold”.  
The current call is put on hold.
2. Press [Options] and select “Dial New Number”.
3. Enter the phone number you wish to make another call to, then press .

### Tip

- You can also make another call by entering the phone number during a call instead of step 1. The current call is automatically put on hold.

## Accessing SMS/MMS Menu during a Call

1. During a call, press [Options] and select “Send Message”.

The following options are available: “Create Message” to make an SMS and MMS, or “Inbox”, “Sent” or “Drafts” to access these folders. For details on SMS, see “SMS” and “MMS” on page 61.

## Call Waiting

This service notifies you of another incoming call while you have a call in progress.

1. During a call, press [Options] and select “Hold & Answer” to answer the second call.

The first call is put on hold and you can now talk to the second caller.

2. Press [Options] and select “Release & Answer” to end the current call and return to the held call.

### Note

- You need to set “Call Waiting” to “On” if you use the Call Waiting service (p. 119).
- Call Waiting service may not be available on all networks. Contact your network operator for more information.


- If you do not wish to answer the second call, press [Options] and select “Busy” in step 1. If “Reject” is selected, the log of the second call is saved as a missed call.

## Conference Call

Conference call is a call with more than 2 participants. You may include up to 5 participants in a conference call.

### To Make a Conference Call

You must have one active call and one held call.


1. During a call, press [Options] and select “Multi Party”.
2. Select “Conference All” to join the conference call.
3. Press  to end the conference call.

### Note

- The conference call service may not be available on all networks. Contact your network operator for more information.

- *You have more options for the Conference call in step 2:*
  - *To put all participants on hold, select “Hold All”.*
  - *To put all participants except the current call on hold, select “Private”.*
  - *To end the call with all participants, select “End Active Call(s)” or “End Held Call(s)”.*
  - *To reject adding more participants to the current party, press [Options] and select “Reject”, or you can send the busy tone by selecting “Busy”.*

#### **To Add New Participants to the Conference Call**

1. Press [Options] and select “Dial New Number”.
2. Enter the number you wish to include in the conference call and press  to dial.
3. Press [Options] and select “Multi Party”.
4. Select “Conference All” to join the conference call.  
If you wish to add other participants, repeat steps 1 to 4.

#### **To End the Call with a Conference Call Participant**

1. During a conference call, highlight the person that you wish to disconnect from the conference call.
2. Press [Options] and select “End Active Call(s)” or “End Held Call(s)”.

#### **To Have a Private Conversation with One of the Participants**

If you wish to have a private conversation with one of the participants, you may select the participant from the conference list and put the other participants on hold.

1. During a conference call, select the person that you wish to talk to.
2. Press [Options] and select “Multi Party”.
3. Select “Private”.
4. Once you have finished the private conversation, press [Options] and select “Multi Party”.
5. Select “Conference All” to return to the conference call.

#### **Muting the Microphone**


1. During a call, press [Mute] to mute the microphone.  
To unmute the microphone, press [Unmute].


## Making a Video Call

### Note

- Use this function with only the video call enabled phones.
- Make sure that the battery is fully charged and the signal strength is greater before using this function.
- Turn the loud speakers on or use a switch-equipped earphone microphone or handsfree kit so that you can talk while looking at the video call screen on the main display.


### Making a Video Call

1. Enter the area code and the phone number you wish to dial and press , or press [Options] and select “Video Call” to dial.

If you enter the wrong number, press  to delete the number to the left of the cursor.




When the line is connected, the image of the called party is displayed upper on the screen, and yours lower left.

### Tip

- If the called party's phone is not video call enabled, you can press  and enter the phone number again to make a voice call.

## Answering a Video Call


When an incoming call is detected, the phone rings.

1. Press  or  to answer the call by video or  [Answer] to answer the voice only.

### Tip

- If you have subscribed to the Calling Line Identification (CLI) service and the caller's network sends the number, the caller's number is displayed on the screen. If the caller's name and number are saved in the Phonebook, the caller's name and phone number are displayed on the screen.

### Rejecting an Incoming Call

1. Press  while the phone is ringing to reject a call you do not wish to answer.

### Letting the Caller Know You are Unavailable

1. Press [Busy] while the phone is ringing to send a busy tone to the caller of an incoming call letting them know that you cannot answer the call.

## **Incall Menu (Video Call)**

### **Muting the Microphone**

1. During a video call, press [Mute] to mute a microphone.

To unmute the microphone, press [Unmute].

### **Swapping Images**

You can swap images between the main and sub screens.

1. During a video call, press [Options] and select “Swap Images”.

### **Changing the Image of Yourself**

1. During a video call, press [Options] and select “Camera Picture”.
2. Select from “Internal Camera”, “External Camera” or “Alternative Image”.

“Internal Camera”: The image through the internal camera is displayed and sent to the party.

“External Camera”: The image through the external camera is displayed and sent to the party.

“Alternative Image”: The camera is turned off and the image selected in “Alternative Image” of “Video Call Settings” (p. 122) is used.

### **Using the Optical Zoom Function**

The optical zoom enables you to zoom the picture more clearly by the actual zooming action of the optical lens. The optical zoom is used up to the [×2] zooming ratio. If you increase the ratio more than that, it is replaced by the digital zoom.

1. During a video call, press [Options] and select “Enable Opt. Zoom”.

The image is magnified.

### **Turning the Speakers On and Off**

You can talk via the loud speakers on the back of the phone by turning them on.

1. During a video call, press [Options] and select “Loud Speaker On”.

### Note

- *In a high-noise environment, you may not be able to continue a call, or make a clear call. We recommend that you use the Stereo Headset and Handsfree Microphone Unit.*
- *With this option, you may not be able to continue a call without interruption if you increase the earpiece volume. We recommend that you decrease the earpiece volume or use the Stereo Headset and Handsfree Microphone Unit.*

## Video Call Settings

### To Change the Quality of the Incoming Image

You can adjust the quality of the called party's image.



1. During a video call, press [Options] and select "Video Call Settings".
2. Select "Picture Quality".
3. Select from "Normal", "Quality Prior" or "Frame rate Prior".
  - "Normal": The standard quality is used.
  - "Quality Prior": The quality of the picture takes precedence over the frame rate.
  - "Frame rate Prior": The frame rate takes precedence over the quality.

### To Turn the Backlight On or Off

You can turn on the backlight of your screen.

1. During a video call, press [Options] and select "Video Call Settings".
2. Select "Backlight".
3. Select from "On", "As Normal Setting" or "Off".
  - When "On" is selected, the backlight will always be on during a video call.
  - When "As Normal Setting" is selected, the backlight will time out depending on the Backlight setting (p. 114).

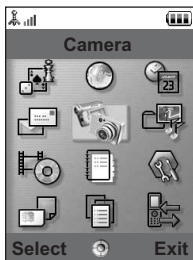
### To Adjust the Video Exposure







1. During a video call, press [Options] and select "Video Call Settings".
2. Select "Exposure".
3. Press  (Light) or  (Dark).



# Using the Menu

## Top Menu



1. Press  during stand-by.  
The Main menu is displayed.
2. Press , ,  or  to highlight the desired menu, then press  to access the function.  
The sub menu is displayed.  
For details on the menu options, see the table on page 35.


## Using the Menu in the Viewer Position of the Display

1. Set the phone in the viewer position of the display.
2. Press the camera key to display the Main menu.
3. Press the side-up or side-down key to move the focus up or down, then press the camera key.

Press the cancel key to return to the Main menu.  
The focus moves the same as in the normal position of the display by using the side-up and side-down keys illustrated by arrows.


For details on the functions of these keys, see page 11.

## Shortcuts


Your phone has a shortcut function (press  during stand-by) with which you can access the desired menu quickly. The default shortcuts are as follows, which you can later customise:

- Bookmarks
- Calendar
- Calculator
- Voice Recorder
- Alarms

### To Use the Shortcuts

1. Press  during stand-by.
2. Select the desired item.




### To Customise the Shortcuts

1. Press  during stand-by.
2. Press [Options] and select “Assign”.

The list of the available items is displayed.

3. Select the desired item.

## Note

- To move the item in the list that appears in step 1, highlight the item, press [Options] and select “Move”.  
Then press  or  to the desired location and press .

## List of Menu Functions

Menu No./ Main Menu	Menu No./ Sub Menu1
<b>1</b> Java™	<b>1</b> Java™ Gallery <b>2</b> Java™ Wallpaper <b>3</b> Settings <b>4</b> Java™ Information
<b>2</b> Browser	
<b>3</b> Organiser	<b>1</b> Calendar <b>2</b> Alarms <b>3</b> Calculator <b>4</b> Voice Recorder <b>5</b> Scanner <b>6</b> Stopwatch <b>7</b> Tasks <b>8</b> World Clock <b>9</b> Countdown Timer <b>10</b> Expenses Memo <b>11</b> Phone Help
<b>4</b> Messages	<b>1</b> Create Message <b>2</b> Inbox <b>3</b> Alert Inbox <b>4</b> Drafts <b>5</b> Templates <b>6</b> Sent <b>7</b> Outbox <b>8</b> Voice Mail <b>9</b> Cell Broadcasts <b>10</b> Area Info <b>11</b> Settings <b>12</b> Memory Status
<b>5</b> Camera	

Menu No./ Main Menu	Menu No./ Sub Menu1
<b>6</b> Gallery	<b>1</b> Picture Gallery <b>2</b> Video Gallery <b>3</b> Sound Gallery <b>4</b> Java™ Gallery <b>5</b> Bookmarks <b>6</b> My Saved Page <b>7</b> Text Templates <b>8</b> Other Documents
<b>7</b> Media Player	
<b>8</b> Call Manager	<b>1</b> Phonebook <b>2</b> Manage Group <b>3</b> Speeddial List <b>4</b> My Card <b>5</b> Advanced
<b>9</b> Settings	<b>1</b> Profiles <b>2</b> Display Settings <b>3</b> Sound Settings <b>4</b> Time & Date <b>5</b> Language <b>6</b> Call Settings <b>7</b> Video Call Settings <b>8</b> Security Settings <b>9</b> Memory Settings <b>10</b> Master Reset
<b>10</b> SIM Application	
<b>11</b> Call Log	<b>1</b> All Calls <b>2</b> Missed Calls <b>3</b> Received Calls <b>4</b> Dialed Numbers <b>5</b> Call Timers <b>6</b> Call Costs
<b>12</b> Connectivity	<b>1</b> Bluetooth <b>2</b> Infrared <b>3</b> Network Settings <b>4</b> Internet Settings <b>5</b> Backup/Restore

## Entering Characters

When entering characters to create Phonebook entries, SMS or MMS, etc., press the corresponding keys.

In multi-tap input method, press each key until the desired character is displayed. For example, press once for the letter “A” or twice for the letter “B”.

### Multi-tap Mode

Pressing each key scrolls characters in the following order.

#### Multi-tap Mode keys

Key	Upper Case Characters	Lower Case Characters	Numeric
	. (full-stop) , (comma) - (hyphen) ? ! ' (apostrophe) @ : 1		1
	ABC2	abc2	2
	DEF3	def3	3
	GHI4	ghi4	4
	JKL5	jkl5	5
	MNO6	mno6	6
	PQRS7	pqrs7	7

Key	Upper Case Characters	Lower Case Characters	Numeric
	TUV8	tuv8	8
	WXYZ9	wxyz9	9
	(space)+ = < > € £ \$ ¥ % & 0		0
	Switches character case among four modes: Abc, ABC, 123 and abc.		
	. , ? ! : ; - + # * @ ' " ( ) _ & € £ \$ % / ~ < > § = \   ¥ ÿ i ^ [ ] { } □ Å Ä Æ å ä æ à Ç È é è ì Ñ ñ Ö Ø ö ø ò ß Ü ü ù Δ Φ Γ Λ Ω Π Ψ Σ Θ Ξ (space) ␣		

- : Long press to enter 1 - 9 numbers.

: Long press to enter space in Numeric mode or to enter 0 in other modes.

: Long press to shift between multi-tap and T9 mode.

: Long press to display the Input Language screen.

## Changing the Input Language


1. On the text entry screen, press [Options].
2. Select “Input Language”.
3. Select the desired language.

## Changing the Input Method

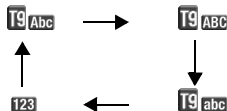
1. On the text entry screen, press [Options].
2. Select “Input Method”.
3. Select the input method you wish to use.

Input Method	Input Language = English	Input Language = Traditional Chinese	Input Language = Simplified Chinese
T9 Mode	T9 Abc T9 ABC T9 abc	T9 Stroke	T9 Stroke T9 PinYin
Multi-tap mode	Abc ABC abc Numeric	Abc ABC abc Numeric	Abc ABC abc Numeric
Others	Symbol Table	Symbol Table	Symbol Table

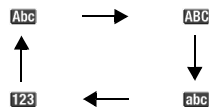
### Tip

In T9 or multi-tap mode, you can switch input mode as follows by pressing .

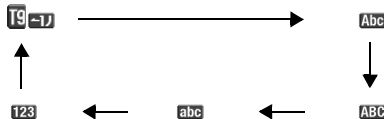
### English/T9 mode



### English/Multi-tap mode



### Traditional Chinese/T9 mode



## Simplified Chinese/T9 mode



## T9 English Mode

### Using T9 English Mode

T9 text input method is a shortcut to enter text easily and quickly.

1. On the text entry screen, press [Options].
2. Select “Input Method”.
3. Select the T9 mode (T9 Abc, T9 ABC, T9 abc) you wish to change. “T9” is displayed on the main display.
4. Press the keys to enter characters.
5. Press ▲ or ▼ to select the word you wish to input.
6. If you wish to clear the word, highlight it and long press [B/C].
7. Press ● or select [Options] and “Done” to complete the selection.

### Tip

- If you press [Space] instead of step 6, a space is inserted next to the selected word.

### User Dictionary

You can create your own English words for T9 Alphabet text input.

### Note

- This function is only available when “Input Language” is set to “English”.
1. On the text entry screen in T9 mode, press [Options] and select “User Dictionary”.
  2. Select “Add New Word” and enter a new word.
- To edit a word in the list
1. On the text entry screen in T9 mode, press [Options] and select “User Dictionary”.
  2. Highlight the desired word.
  3. Press [Options] and select “Edit”.
  4. Modify the word.

## T9 PinYin and T9 Stroke Mode

In T9 PinYin and T9 Stroke mode, keys are as follows.

### T9 PinYin and T9 Stroke Mode keys

Key	Stroke	PinYin
	—	
	/	
	\	
	→	
	Wildcard	mno
		pqrs
		tuv
		wxyz
	Change Input Method	
	Space	
	Go to the FullWidth Symbols screen.	

- : Long press to input corresponding Chinese character displayed in the candidate field.

: Long press to enter tones “- / \ \ .” in T9 PinYin mode .

: Long press to display the Input Language screen.

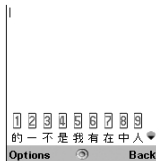
### Changing the Input Method between Stroke and PinYin

See “Changing the Input Method” on page 37.

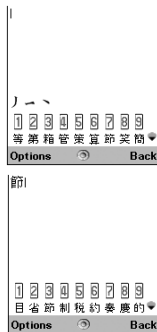
### Using Stroke Mode (Traditional)

The following is an example of entering “節”.

1. Change the input mode to T9 Stroke mode.



2. Press **[3]** **[1]** **[4]** to display the corresponding stroke for “節”.

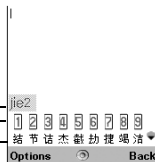
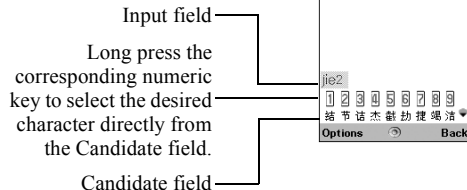


3. Long press the corresponding key to complete the selection (in this case, **[7]**).

### Note

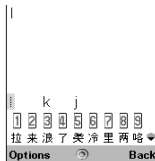
- Each Traditional/Simplified Chinese mode has own T9 Stroke mode. The screen examples in steps 1 to 3 are displayed when you select “Traditional Chinese” in the Input Language option.

## Using PinYin Mode



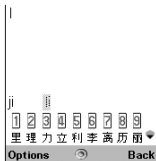
The following is an example of entering “理”.

1. Press **[5]** for the first letter of the reading, then highlight “l”.





- Press **[4]** for the vowel of the first letter, then highlight “li”. Characters with the same reading are displayed in the Candidate field.

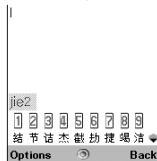
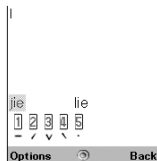


- Select the desired character.
- Long press corresponding numeric key to enter the desired character (in this case, **[2+]**).





### Tip

- When the cursor is placed after the first character, the Candidate field displays characters most likely to follow.


- If you want to use tone options, long press **[x]** instead of step 3 to display the desired character. The tone symbols are displayed in the Candidate field. Press the corresponding numeric key (**[2+]**).



## Symbols and Punctuations

1. On the text entry screen, press [Options].
2. Select “Add Symbol”.  
The first symbol page is displayed.  
In Chinese input mode, the FullWidth Symbols screen is displayed.
3. Press  or  to switch pages (Symbol and FullWidth Symbol Pages), or use the numeric keys  or .

### Tip

-  is a shortcut to launch Symbol Tables.

## Using Templates

You can use the sentences registered in Text Templates when entering characters.

For details on creating the text template, see “Adding Phrases to Text Templates” on page 89.

1. On the text entry screen, move the cursor to the point you wish to insert the template.
2. Press [Options] and select “Advanced”.
3. Select “Insert Template”.
4. Select the desired text template.  
The selected text template is inserted.

## Insert Phonebook Entries

You can insert the entries registered in Phonebook when entering characters.



For details on creating the Phonebook entries, see “Phonebook” on page 44.

1. On the text entry screen, move the cursor to the point you wish to insert the template.
2. Press [Options] and select “Advanced”.
3. Select “Insert Phonebook Entry”.
4. Select the desired Phonebook Entry.  
The selected entry is inserted.

## Copying, Cutting and Pasting Text

By using these options, you can carry out editing smoothly.

### To Copy and Cut Text

1. On the text entry screen, press [Options] and select “Advanced”.
2. Select “Copy” or “Cut”.
3. Move the cursor to the first letter to be copied or to be cut, then press .
4. Move the cursor to the last letter to highlight the area, then press .

### To Paste Text

1. On the text entry screen, move the cursor to the point you wish to paste the letters.
2. Press [Options] and select “Advanced”.
3. Select “Paste”.
4. The saved text is pasted.

## **Phonebook (M 8-1)**

You can store the phone numbers and email addresses of your friends, family and colleagues in the Phonebook.

Your phone can store up to 500 entries. In a Phonebook, you can save the following items:

### **Items Saved in the Handset Memory**

Last Name:	up to 16 characters
First Name:	up to 16 characters
Tel 1:	up to 32 digits
Tel 2 (displayed if “Tel 1” is entered):	up to 32 digits
Tel 3 (displayed if “Tel 2” is entered):	up to 32 digits
Email1:	up to 128 characters
Email2 (displayed if “Email1” is entered):	up to 128 characters
Email3 (displayed if “Email2” is entered):	up to 128 characters
Group:	16 groups (Group names can be edited by the Manage Group menu.)
Street Name:	up to 64 characters
City Name:	up to 64 characters

State Name:	up to 64 characters
Postcode:	up to 20 characters
Country Name:	up to 32 characters
Note:	up to 256 characters
Birthday:	You can save Birthday.
Picture:	You can assign a picture (p. 46).
Assign Tone/Video (For Voice Call, For Video Call, For New Message):	You can assign a Ringtone or a Ring Video Clip (p. 48).
Secret:	You can turn Secret setting on or off. You can show Secreted Data by Security Settings (p. 125).

### **Items Saved in the SIM Memory**

Name:	up to 16 characters
Tel 1:	up to 32 digits
Tel 2 (displayed if “Tel 1” is entered):	up to 32 digits
Email1:	up to 80 characters
Group:	11 groups (Group names can be edited using the Manage Group option.)

### Note

- Some SIM Cards do not support Tel 2 and Group.
- Using the infrared or Bluetooth wireless function, you can send the Phonebook entry to a PC to share the same entries.

## Changing the List Displayed

**“Call Manager” → “Advanced” → “Source”**

1. Select “Handset” or “SIM”.

## Selecting the Storage Memory

**“Call Manager” → “Advanced” → “Save to”**

1. Select the Phonebook location from “Handset”, “SIM” or “Choice”.

### Tip

- “Choice” prompts you to choose the memory every time you save a new entry.

## Changing the Phonebook List Order

You can change the listing order of the Phonebook entries between by pinyin order or by group.

**“Call Manager” → “Advanced” → “View Phonebook”**

1. Select “By PinYin” or “By Group”.

## Add New Contact

You can choose either the phone or SIM card memory locations to store the new entry. For switching locations, see “Selecting the Storage Memory”.

The amount of phone numbers that you can store to the SIM card is dependent on its capacity. Contact your network operator for details.

**“Call Manager” → “Phonebook” → “Add New Contact”**

If you select the “Choice” option for the memory to be used, the selection is between “To Handset” and “To SIM”.

1. Select the field you wish to fill in, and enter the relevant information.
2. Press [Save] when finished.

### Tip

- To create an entry, at least one field must be filled (“Last Name”, “First Name”, “Tel 1 ” or “Email1 ” for the handset memory; “Name”, “Tel 1 ” or “Email1 ” for the SIM memory).

## Adding a Thumbnail to Entries

### **“Call Manager” → “Phonebook”**

1. Highlight the desired entry.
2. Press [Options] and select “Edit”.
3. Select “Picture:”.
4. Select “Assign Picture”.
5. Select the desired picture.
6. Press [Save] when finished.

#### *Note*

- *If you delete a picture in the handset memory, the corresponding thumbnail is also deleted.*

## Viewing My Card (M 8-4)

You can register and edit your own information in the Phonebook as other Phonebook entries.

### **“Call Manager” → “My Card”**

## Copying Phonebook Entries between SIM Card and Handset

### **“Call Manager” → “Advanced” → “Copy All Entries”**

1. Select “SIM to Handset” or “Handset to SIM”.

#### *Note*

- *When you insert the SIM card into your phone for the first time and start the Phonebook application, the confirmation screen is displayed automatically, asking you if you wish to copy or not. The number of Phonebook entries to be copied varies depending on the SIM capacity.*
- *If the memory space is not enough to save all entries, you cannot complete copying.*

## Finding a Name

### **“Call Manager” → “Phonebook”**


1. Select from “Character Search”, “PinYin Search” or “English Search”.
2. Enter the first few letters of the name.  
Search results of names are displayed.

#### *Tip*



- *You can select the source from “Handset” or “SIM” before searching.*

## Dialling from the Phonebook

***“Call Manager” → “Phonebook”***

1. Highlight the desired entry and press .

### ***Tip***

- *If more than one phone number is registered for the entry, highlight the desired phone number after step 1 and press .*
- *You can also dial from the details screen of the Phonebook. On the details screen, select the desired phone number and press .*

## Editing Phonebook Entries

***“Call Manager” → “Phonebook”***

1. Highlight the entry you wish to edit.
2. Press [Options] and select “Edit”.
3. Modify the information.
4. Press [Save] when finished.

## Deleting Phonebook Entries

### **Deleting All Phonebook Entries**

***“Call Manager” → “Advanced” → “Delete All Entries”***

1. Select “Handset Entries” or “SIM Entries”.
2. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “To Change the Handset Code” on page 124.

### **Deleting a Phonebook Entry**

***“Call Manager” → “Phonebook”***

1. Highlight the desired entry.
2. Press [Options] and select “Delete”.

## Manage Group (M 8-2)

Different ringtones can be set for each group. If you do not change a group ringtone, the ringtone assigned in the Settings menu is used.

### **“Call Manager” → “Manage Group”**

1. Highlight the desired group.
2. Press [Options] and select “Assign Tone/Video”.
3. Select from “For Voice Call”, “For Video Call” or “For New Message”.
4. Select “Assign Tone” or “Assign Video”.  
When selecting “Assign Video”, go to step 6.
5. Select “Preset Sounds” or “Sound Gallery”.
6. Select the desired tone or video clip.  
For details on selecting a ringtone or a ring video clip in the Settings menu, see “Assigning a Ringtone” on page 110 or “Assigning a Ring Video Clip File” on page 110.

### **Note**

- *You can only edit group names in the SIM card. You cannot edit the ringtone or ring video settings.*

## Editing the Group Name

You can edit group names to be assigned to the Phonebook entries. First, change the Phonebook displayed (p. 45).

### **“Call Manager” → “Manage Group”**

1. Highlight the desired group name.
2. Press [Options] and select “Edit Name”.
3. Modify the name.

## Assigning a Ringtone or a Ring Video Clip to Each Phonebook Entry

A specified ringtone or vibration setting can be associated to a pre-registered entry.

### **“Call Manager” → “Phonebook”**

1. Highlight the desired entry.
2. Press [Options] and select “Edit”.
3. Select “Assign Tone/Video”.
4. Select “For Voice Call”, “For Video Call” or “For New Message”.
5. Select “Assign Tone” or “Assign Video”.  
When selecting “Assign Video”, go to step 7.
6. Select “Preset Sounds” or “Sound Gallery”.



7. Select the desired tone or video clip.

For details on selecting a ringtone or a ring video clip in the Settings menu, see “Assigning a Ringtone” on page 110 or “Assigning a Ring Video Clip File” on page 110.

8. Press [Save] when finished.

## Memory Status

This function helps you to check the memory used in the Phonebook.

**“Call Manager” → “Advanced” → “Memory Status”**

## Speeddial List (M 8-3)

You can set a maximum of 8 phone numbers in the speeddial list (p. 26).

### Setting Phonebook Entries in the Speeddial List

**“Call Manager” → “Phonebook”**

1. Select the desired entry.
2. Highlight the desired phone number.
3. Press [Options] and select “Add to Speeddial”.
4. Select the desired location.

### Tip

- The nine digit keys correspond to list numbers.
- To view the speeddial list, see “Speed Dialling” on page 26.

### To Edit the Speeddial List

**“Call Manager” → “Speeddial List”**

1. Highlight the entry you wish to edit.
2. Press [Options] and select the desired option.
  - “Re-Assign” (displayed when a phone number is already assigned):
    - Displays the Phonebook entries.
    - Select (Reassign) other entries.
  - “Assign” (displayed when no phone number is assigned):
    - Displays the Phonebook entries.
    - Select (assign) the desired entry.
  - “View”:
    - Displays the assigned phone number.
  - “Delete”:
    - Deletes the selected phone number from the speeddial list.
  - “Clear All”:
    - Clears all phone numbers from the speeddial list.

## Sending a Phonebook Entry

**“Call Manager” → “Phonebook”**

1. Highlight the desired entry.
2. Press [Options] and select “Send Contact”.
3. Select “As Message”, “Via Bluetooth” or “Via Infrared”.

**For “As Message”**

For details, see “MMS” on page 61.

**For “Via Bluetooth”**

For details, see “Bluetooth” on page 128.

**For “Via Infrared”**

For details, see “Infrared” on page 131.

## Receiving a Phonebook Entry

When the phone receives a Phonebook entry, a confirmation message is displayed during stand-by.

1. Press [Yes].  
The received entry is saved in the Phonebook.  
Press [No] to reject.

### *Tip*

- For details on making Infrared or Bluetooth wireless settings, see “Connectivity” on page 128.
- For details on making MMS settings, see “MMS Settings” on page 70.


## Camera (M 5)

Your phone has an integrated digital camera.



This allows you to shoot and send pictures and video clips wherever you are.

### Taking Pictures

#### “Camera”

1. Press  to take the picture.  
The shutter sounds and the still image of the taken picture is displayed.
2. Press [Save].  
To cancel, press [Cancel].  
The taken picture is saved in Gallery.

#### Note

- Press the camera key instead of  in the viewer position of the display.
- When the digital camera is not activated, press [Options] and select “Go to Photo Camera”, or press .

### Taking a Self-Portrait

You can take a self-portrait while looking at the main display.

1. Rotate the main display 180° clockwise from the normal position.

2. Press the camera key on the side of the phone.



#### Note

- Do not rotate the main display anti-clockwise. Otherwise, the phone may malfunction.

### Sending Taken Pictures

You can send the taken picture via “With Message”.

#### “Camera”

1. Press  to take the picture.
2. Press .
3. Select the send option.  
For details, see “Creating a New Message” on page 61. After the message has been sent, the taken picture is stored in Gallery. (The resized picture is not saved in Gallery.)

#### Note

- When you try to send the picture that has too large file size, the picture size is resized for the message. The original sized picture is saved in Gallery.

## Selecting the Picture Size

You can select the size of pictures. All taken pictures are saved in the JPEG format.



**“Camera” → [Options] → “Picture Settings” → “Picture Size”**

1. Select the desired size.

Picture Sizes: 1224 × 1632 dots  
960 × 1280 dots  
768 × 1024 dots  
480 × 640 dots  
240 × 320 dots  
120 × 160 dots  
120 × 128 dots

## Using the Digital Zoom Function

To Adjust the Zooming Ratio

1. In the viewfinder mode, press  or .

To Enable or Disable the Optical Zoom



The optical zoom enables you to zoom the picture more clearly by the actual zooming action of the optical lens. The optical zoom is used up to the [×2] zooming ratio. If you increase the ratio more than that, it is replaced by the digital zoom.

**“Camera” → [Options] → “Advanced”**

1. Select “Enable Opt Zoom”.

Select “Disable Opt Zoom” to disable.



If you select “Disable Opt Zoom”, you can only use the digital zoom function.

2. Press  or .






Once the phone has returned to the stand-by screen, the zoom settings return to default.

## Adjusting the Exposure

**“Camera” → [Options] → “Picture Settings” → “Exposure”**

1. Press  (Bright) or  (Dark).

Picture brightness (exposure level) indicators

     : (Bright → Normal → Dark)

Once the phone has returned to the stand-by screen, the brightness settings return to default.

## Mobile Light

### To Change the Light Colour

You can take a picture in various colour modes.

**“Camera” → [Options] → “Picture Settings” → “Mobile Light” → “Light Colour”**

1. Select the desired light colour.




Light Colours: White/Red/Yellow/Green/Blue/  
Violet/Light Blue/Disco

### To Change the Mobile Light Mode

Set the mobile light according to your purpose.

**“Camera” → [Options] → “Picture Settings” → “Mobile Light” → “Switch On/Off”**

1. Select the desired mode.


“On” (  ): The light is always on.  
“Auto” (  ): The light turns on if the phone detects that the conditions are dark.  
“Low Light” (  ): Select this mode for macro shooting.  
“Off”: The light is always off.

The corresponding indicator is displayed on the screen. Select “Off” to turn it off.

## Using the Timer (Timer)

**“Camera” → [Options] → “Camera Modes” → “Timer”**

1. Select “On” or “Off”.

“  ” is displayed on the screen when you select “On”.

## Selecting the Scene

You can select the appropriate mode by scene when you take the picture.

**“Camera” → [Options] → “Picture Settings” → “Scene”**

1. Select the desired scene.

## Continuous Shoot

You can take continuous shoots in various options.

**“Camera” → [Options] → “Camera Modes” → “Continuous Shoot”**

1. Select the desired mode.

The following continuous shoot modes are available:

“Off”: The continuous shoots are cancelled.

“4 Pictures”/“9 Pictures”:

Takes 4 or 9 pictures continuously.

After selecting this mode, select the desired speed from the following:

“Very Fast”


“Fast”


“Normal”



“Slow”

“Very Slow”



“Manual”

 “Bracket”: Takes 9 continuous pictures with various colours and brightness levels.

After selecting this mode, press  then select “Fast” or “Normal”.

 “Overlapped”: Overlaps continuous pictures into one picture and makes an afterimage.  
After selecting this mode, press  then select “Fast” or “Normal”.

### Note

- When you select “Manual” to take continuous pictures, press  or the camera key (in the viewer position of the display) manually in the desired speed.
- When the Timer and Continuous Shoot functions are simultaneously set, “ ” (for “4 Pictures”, for example) is displayed instead.

### Selecting a Frame

You can select the frame from preset patterns. You can also select a frame in Saved Pictures.

“Camera” → [Options] → “Camera Modes” → “Photo Frame”

1. Select “Preset Frames” or “Picture Gallery”.
2. Select the desired frame.


The selected frame is confirmed on the display.

3. Press .

### Note

- Images larger than 240 dots [W] × 320 dots [H] cannot be used.

## Switching to the Video Camera Mode

You can switch from the camera mode to the video camera mode. You can also switch between these two modes by pressing .

**“Camera” → [Options] → “Go to Video Camera”**

## Using the Full Screen

You can display the preview on the full screen without the soft key area and indicator area.

**“Camera” → [Options] → “Advanced”**

1. Select “Full Viewfinder”.


To return to the normal viewfinder, select “Normal Viewfinder”.

## Selecting the Picture Quality

**“Camera” → [Options] → “Picture Settings” → “Picture Quality”**

1. Select the desired picture quality.

Picture quality indicators

 : Super Fine

 : Fine

 : Normal

## Selecting the Shutter Sound

You can select the shutter sound from 3 preset patterns.

**“Camera” → [Options] → “Advanced” → “Shutter Sound”**

1. Select the desired shutter sound.

### Note

- *Continuous Shoot uses the specialised shutter sound that cannot be changed from the above settings.*

## Selecting the Storage Memory

You can select the location to save the taken pictures in.

**“Camera” → [Options] → “Advanced” → “Save New Pictures to”**

1. Select the desired location from “Handset Memory”, “Memory Card” or “Choice”.

### Note

- *If you select “Choice”, select the desired location every time you save.*

## Focus Setting

This function enables you to set the focus mode along with the situation for taking a picture.

**“Camera” → [Options] → “Advanced” → “Focus Setting”**

1. Select the desired option.

Focus mode indicators

AF : Normal

👤 : Macro

MF : Manual Focus

## Auto Save

You can set the phone to save pictures automatically.

**“Camera” → [Options] → “Advanced” → “Auto Save”**

1. Select “On”.  
Select “Off” to disable.

## Using the Help Function

**“Camera” → [Options] → “Help”**

## Exiting from the Viewer Position of the Display

Carry out the following operation when you want to go back from the viewer position of the display to the normal position.

1. Long press the cancel key in the viewer position.



## Recording Video Clips

You can record a video clip with your phone. You can also use this function in the viewer position of the display.

## Recording Video Clips

**“Camera”**

The preview is displayed through the screen.



1. Press .  
Press the camera key in the viewer position of the display.
2. To stop recording, press .  
To view the preview before saving, select “Preview”.
3. Select “Save”.  
The video clip is saved in Gallery.

## Note

- If you want to record a video clip in landscape, set the phone to the viewer position of the display while in the viewfinder mode. The display switches to landscape automatically.



- Put the phone into the video camera mode to record a video. Video clips are saved in “.3gp” format in the following two modes:



 For Message: QCIF or SubQCIF  
 Extended Video: QCIF, SubQCIF or QVGA (MPEG4)

QVGA (MPEG4) is available when you select “Extended Video” for the Recording Time (p. 58) and select QVGA (MPEG4). The video clips are saved in “ASF” format.

- The sound can be recorded with a video clip if the microphone is turned on. The default setting of the microphone is set to “On”. To record a video clip without the sound, turn off the microphone. For details, see “Recording Video Clips with the Sound” on page 59.

## Sending Video Clips

### “Camera”

- Press .  
Press the camera key in the viewer position of the display.
- To stop recording, press .  
To view the preview before saving, select “Preview”.

- Select “Save and Send”.

Select the desired way you wish to send.



For details, see “Creating a New Message” on page 61.

### Note

- You can send video clips only when “For Message” is selected for the recording time. For details, see “Selecting the Recording Time” on page 58.

## Using the Zoom Function



### To Adjust the Zooming Ratio

- In the viewfinder mode, press  or .

### To Enable or Disable the Optical Zoom

The optical zoom enables you to zoom the picture more clearly by the actual zooming action of the optical lens. The optical zoom is used up to the [×2] zooming ratio. If you increase the ratio more than that, it is replaced by the digital zoom.

### “Camera” → [Options] → “Advanced”



- Select “Enable Opt Zoom”.  
Select “Disable Opt Zoom” to disable.
- Press  or .

### Note






- The default setting is “Enable Opt Zoom”. If you select “Disable Opt Zoom”, you can use only the digital zoom function.

## Adjusting the Exposure

“Camera” → [Options] → “Video Settings” → “Exposure”

1. Press  (Bright) or  (Dark).

Picture brightness (exposure level) indicators

     : (Bright → Normal → Dark)

Once the phone has returned to the stand-by screen, the brightness settings return to default.

## Mobile Light

You can record a video clip in various colour modes.

“Camera” → [Options] → “Video Settings” → “Mobile Light” → “Light Colour”

1. Select the desired light colour.

Light Colours: White/Red/Yellow/Green/Blue/  
Violet/Light Blue/Disco


## To Change the Mobile Light Mode

Set the mobile light according to your purpose.

“Camera” → [Options] → “Picture Settings” → “Mobile Light” → “Switch On/Off”

1. Select the desired mode.

“On” (  ): The light is always on.

“Auto” (  ): The light turns on if the phone detects that the conditions are dark.

“Off”: The light is always off.

The corresponding indicator is displayed on the screen. Select “Off” to turn it off.

## Selecting the Recording Time

“Camera” → [Options] → “Video Settings” → “Record Time”

1. Select “Extended Video” or “For Message”.


For Message: Limits the size to send a message depending on service providers.

Extended Video: Less than 30 minutes (depending on the memory).

### **Note**

- If you select “For Message” for the recording time, the file size is limited depending on the service provider. Therefore, the quality is also limited for the setting.
- “Save and Send” is not displayed after recording in the Extended Video mode.
- When you select “Extended Video”, you can select the video format from “QCIF or SubQCIF” or “QVGA(MPEG4)”.

### **Switching to the Photo Camera Mode**

You can switch to the digital camera mode. You can also switch to the photo camera mode by pressing .


“Camera” → [Options] → “Go to Photo Camera”

### **Selecting Video Quality**

“Camera” → [Options] → “Video Settings” → “Video Quality”

1. Select the desired video quality.

Video quality indicators

 : Super Fine

 : Fine

 : Normal

### **Note**

- The better quality you select, the larger file size is needed.

### **Recording Video Clips with the Sound**

To record a video clip with the sound, the microphone needs to be activated.

“Camera” → [Options] → “Video Settings” → “Microphone”

1. Select “On” or “Off”.

### **Note**

- The microphone is already turned on in the default setting. Select “Off” to record a video clip without the sound.

### **Tip**

- The file size of a video clip can be reduced if the sound is not recorded.

## Changing the Picture Size

You can change the picture size during playback/recording.

**“Camera” → [Options] → “Advanced” → “Picture Size”**

1. Select “Large(QCIF)” or “Small(SubQCIF)”.

## Selecting the Storage Memory

You can select the location to save the recorded video clips.

**“Camera” → [Options] → “Advanced” → “Save New Videos to”**

1. Select the desired location from “Handset Memory”, “Memory Card” or “Choice”.

### Note

- If you select “Choice”, select the desired location every time you save.

## Focus Setting

This function enables you to adjust the focus automatically along with the situation for recording a video clip.

**“Camera” → [Options] → “Advanced” → “Focus Setting”**

1. Select the desired option.

Focus Mode indicators

AF : Normal

👁 : Macro

MF : Manual Focus

## To Use the Help Function

**“Camera” → [Options] → “Help”**

## Video Encoding

**“Camera” → [Options] → “Advanced” → “Video Encode”**

1. Select the appropriate format.

## Exiting from the Viewer Position of the Display

Carry out the following operation when you want to go back from the viewer position of the display to the normal position.

1. Long press the cancel key in the viewer position.

## **Messages (M 4)**

Your phone allows you to send and receive text, multimedia and email, and receive WAP alerts as well.

### **MMS**

MMS allows you to send and receive multimedia messages of up to 300 KB with images, sound, or video clips attached.

#### ***Note***

- *Some MMS functions may not always be available depending on your network. Contact your network operator for more information.*
- *Maximum message size varies depending on the settings by the network operator.*

### **SMS**

SMS allows you to send text messages up to 765 characters long. If you send a message more than 160 characters, it is split into several segments.

### **Email**

Email allows you to send messages of up to 300 KB.

## **Creating a New Message**

### **(For Email)**

✉ → **“Create Message”** → **“E-mail”**

### **(MMS/SMS)**

✉ → **“Create Message”** → **“Message”**

#### **1. Enter the message.**

You can create a signature by selecting “Messages”, “Settings” and “General Settings”. To insert a signature to a Message, press [Options] and select “Advanced” and “Insert Signature”.

To change the text style, press [Options] and select “Advanced”, and “Text Colour” or “Text Size”.

#### **2. (Email/MMS)**

Press [Options] and select “Insert Item”, if you wish to attach files.

#### **3. (Email/MMS)**

Select the desired item. Details are given in the following sections.

##### **(MMS)**

- |                       |                             |
|-----------------------|-----------------------------|
| “Picture”:            | Attaches picture files.     |
| “Sound”:              | Attaches sound files.       |
| “Video”:              | Attaches video clip files.  |
| “Attach Phonebook”:   | Attaches Phonebook entries. |
| “Attach Appointment”: | Attaches Schedule entries.  |

(Email)

“Attach Phonebook”:

Attaches Phonebook entries

“Attach Appointment”:

Attaches Schedule entries

4. Select “Send”.

5. (MMS)

Enter or select the email address or phone number from the Phonebook.

(SMS)

Enter or select the phone number from the Phonebook.

(Email)

Enter the email address from the Phonebook.

To add multiple email addresses or phone numbers (up to 20), highlight the recipient field, press [Options], select “Edit & Add Recipients”, then select “Add Recipient”.

Enter or select the email address or phone number, or select from the existing Phonebook.

Up to 20 digits (MMS/SMS) or 128 characters

(Email/MMS) can be entered for each email address or phone number.

To change the recipient types, press [Options], select “Edit Recipients” and select “Change to TO”, “Change to CC” or “Change to BCC” (Email/MMS).

6. (Email/MMS)

Select the subject field and enter the subject.


7. (MMS/SMS)

Transportation type (SMS or MMS) is shown in the field of “Message Type”.


Select the field and select the desired transportation type.

8. Select “Advanced” to set the advanced message sending options.

- “Delivery Time” (“No delay”, “30 minutes”, “1 hour”, “6 hours”, “1 day”, “1 week”) (for MMS): Sets the time the message is delivered after the Send key is pressed.
- “Delivery Report” (“Yes”, “No”) (for MMS/SMS): Enables or disables Delivery Report when the message is successfully sent to the recipient.
- “Expiry Time” (“Never delete”, “30 minutes”, “1 hour”, “6 hours”, “1 day”, “1 week”) (for SMS/MMS): Sets Expiry Time for a message to be saved in the server.

- “Priority” (“High”, “Normal”, “Low”): Prioritises composed messages.
  - “Read Report” (“Yes”, “No”) (for MMS/SMS): Enables or disables Read Report when the recipient is required to inform the sender that the message has been read.
9. Highlight “Send Message”, then press  to send. After the message is sent, the message is moved to the Sent box.

### **Note**

- *The current message size displayed while you are creating the message is an approximation.*
- *If a message cannot be sent for some reason, the message stays in the Outbox and the “” is displayed during stand-by.*

### **Tip**

- *To save the message without sending, select [Options] and select “Save to Drafts” in step 2.*
- *You can send the following items attached to multimedia messages. Details are given in the following sections.*
  - *Gallery data*
  - *Phonebook entry*
  - *File (Schedule entry created by Calendar, Phonebook entry), etc.*

- *You can use the template option to help you compose messages. For details on using this option, see “Using Templates” on page 42.*

### **To Attach Gallery Data**

1. In step 3 in “Creating a New Message” on page 61, select from “Picture”, “Sound” or “Video”.
2. Select the desired file.

If you wish to take new pictures, record sounds or video clips, select “Take Picture”, “Record Sound” or “Video Camera”.

- (For pictures)  
For attached pictures, select the appropriate resize option, as the maximum message size for sending varies depending on the network operator.
- (For sounds)  
For attached sounds, select the appropriate format option, as the maximum message size for sending varies depending on the network operator.

### To Attach a Schedule Entry

1. In step 3 in “Creating a New Message” on page 61, select “Attach Appointment”.
2. Select the desired day including a schedule entry you wish to add.
3. Select the desired schedule entry.

### To Add Information from a Phonebook Entry

1. In step 3 in “Creating a New Message” on page 61, select “Attach Phonebook”.
2. Select the desired entry.  
If you wish to select your own Phonebook entry, select “My Card”.
3. Select the desired field.  
The selected information is entered.

### To Add a Slide Show

1. In Step 2 in “Creating a New Message” on page 61, select “Options” and select “Add Slide”.  
If you wish to add more slides, select “Add Slide Before” or “Add Slide After”.
2. Enter the message.  
If you wish to set the duration of each slide, press [Options] and select “Slide duration”, then select the desired duration.


### Tip


- *You can create messages up to 300 KB. Each slide can contain one picture and/or one sound file or video clip.*

### To Remove or Replace Attachments

1. In step 3 in “Creating a New Message” on page 61, press [Options] and select the corresponding remove option for each attachment.

### Sending a Message in the Drafts Box

 → “Drafts”


1. Select the desired tab, SMS/MMS or Email.
2. Press [Options] and select “Edit & Send”.
3. Modify the message, if necessary.
4. Select “Send”.
5. Highlight “Send Message”, then press  to send.


### Reading MMS

Messages you receive are saved in the Inbox.



## To View Messages Before Downloading

The MMS indicator (  ) is displayed when you are receiving an incoming message.


 → “Inbox”

1. Select the message alert you wish to view.

### Tip

- The volume varies depending on the Application Volume settings (p. 94). The sound is deactivated when “Application Volume” is set to “Silent”.

## Storing the Phone Number of a Sender in the Phonebook

 → “Inbox”

1. Highlight the message from which you wish to store the phone number or email address.
2. Press [Options] and select “Save address”.


The new Phonebook entry screen including the phone number is displayed. For details on creating a new Phonebook entry, see “Add New Contact” on page 45.



## Calling the Phone Number of a Sender Embedded in the Message

 → “Inbox”

1. Highlight the message including the phone number you wish to dial.
2. Press [Options] and select “Call Sender”.

## Downloading a Single MMS

 → “Inbox”

1. Highlight the message alert (  ) you wish to download.
2. Press [Options] and select “Download”.  
The downloading starts and the indicator becomes .

### Tip

- You can download multiple messages at the same time. See the next section.

## Downloading Multiple MMS


 → “Inbox”


1. Press [Options] and select “Advanced”.
2. Select “Multiple Select”.
3. Select the desired message alert using the “Select/Unselect” or “Select All” option.

4. Select “Download”.


The selected messages are downloaded at the same time.

### Replying to a Message or to All Addresses

 → “Inbox”

1. Highlight the message the sender of which you wish to reply to.
2. Press [Options] and select “Reply” or “Reply all”.
3. Enter the message.
4. Press “Send”.
5. Highlight “Send Message” then press  to send.

### Forwarding a Message


 → “Inbox”

1. Highlight the message you wish to forward.
2. Press [Options] and select “Forward”.
3. Perform steps 2 to 9 in “Creating a New Message” on page 61.


### Remote Forward

You can transfer your email messages saved in the mail server directly to other recipients.

 → “Inbox”


1. Highlight the message alert () you wish to transfer.
2. Press [Options] and select “Forward”.
3. Perform steps 2 to 5 in “Creating a New Message” on page 61.

### Sorting the Messages in the List

 → “Inbox”

1. Press [Options] and select “Advanced”.
2. Select “Sort”.
3. Select the desired sort type.

### Locking or Unlocking the Messages

 → “Inbox”

1. Highlight the message you wish to lock or unlock.
2. Press [Options] and select “Advanced”.
3. Select “Lock/Unlock”.

## Alert Inbox (M 4-3)

See your list of WAP push messages. You can receive push messages via WAP Services.

This means that a service provider sends WAP content to your phone, without any set up.

## Voice Mail (M 4-8)

You can use Voice mail by connecting to the Voice mail centre. Voice mail service depends on the SIM card.

Getting Voice mail

*“Messages” → “Voice Mail” → “Call Voicemail”*

1. Select “Call Voicemail”.

Configuring Voice mail Settings

You can select the mailbox for use inside your home network area, or for roaming use.

*“Messages” → “Voice Mail” → “Voicemail Setting”*

1. Select “Home Mailbox” for use inside your home network area, or “Roam Mailbox” for roaming use.

## Cell Broadcasts (M 4-9)

You can receive cell broadcast messages or general messages such as weather forecasts and traffic reports. This information is broadcast to subscribers in certain network areas.

This function may not be available on all mobile phone networks. Contact your network operator for more information.

### Enabling/Disabling Cell Broadcasts

*“Messages” → “Cell Broadcasts” → “Switch On/Off”*

1. Select “On” or “Off”.

### Reading Cell Broadcast Messages

*“Messages” → “Cell Broadcasts” → “Read Messages”*


1. Select the desired subject.
2. Scroll the screen to read the message.
3. Press [Back].

## Setting Languages

You can select your preferred language for the cell broadcast message display.

**“Messages” → “Cell Broadcasts” → “Settings” → “Language”**

The current language is displayed.

1. Press .

The language list is displayed.

2. Select the desired language.
3. Press [Save].

## Subscribing to Cell Broadcasts

Select the page of the cell broadcast message that you want.

**“Messages” → “Cell Broadcasts” → “Settings” → “Set Info Subjects” → [Options]**

1. Select “Add/Remove”.
2. Select the desired page.
3. Press [Back].

## Tip

- If the desired page is not in the list that appears in step 2, select “Create Subject” in step 1, then enter the subject code to add a page. For details on the subject code, contact your service provider.

## Area Info (M 4-10)

The Area Info is the message information that operators send to subscribers in certain areas.

When you receive Area Info, the message (area code) is displayed during stand-by.

## Note

- This function may not be available on all mobile phone networks. Contact your network operator for more information.

## Enabling/Disabling Area Info

**“Messages” → “Area Info”**

1. Select “On” or “Off”.

## Note

- If Area Info is set to “On”, the stand-by time will decrease.

## Setting Up MMS/SMS/Email (M 4-11)

### General Settings

*“Messages” → “Settings” → “General Settings”*


1. Select the item you wish to set up.

- “Home Download” (“Always download”, “Always defer”):  
Controls message download timing inside your network area.  
“Always download”: Downloads messages immediately from the server.  
“Always defer”: Defers message download.
- “Intl. Download Msg” (“Always download”, “Always defer”):  
Controls message download timing when roaming outside of your network.  
“Always download”: Downloads messages immediately from the server.  
“Always defer”: Defers message download.
- “Delivery Report”:  
Enables or disables Delivery Report request.

- “Read Report”:  
Enables or disables Read Report request.
- “Expiry Time”:  
This indicates the number of days and hours for which a message you send may remain undelivered to the message recipient. During this period, the message service centre will continually try to deliver the message to the recipient.  
Select the validity period.
- “Delivery Rep. Allow”:  
Enables or disables Delivery Rep. Allow when receiving a message, which applies to the Delivery Report function.
- “Auto Delete” (“None”, “Inbox”, “Sent”, “Both”):  
Deletes the oldest message automatically, when the Inbox, Sent or both (Inbox and Sent) is full.
- “Edit Signature”:  
Opens the screen to enter the signature.
- “Reply History” (“On”, “Off”):  
Disables or enables whether the message will be added to your reply message or not.

## SMS Settings

*“Messages” → “Settings” → “SMS Settings”*

1. Select the item you wish to set up.
  - “Message Centre”:  
Enter the centre phone number.  
If you wish to enter a country code for a message to an international number, long press  until a + sign is displayed.
  - “Reply Path”:  
Accepts or rejects the same reply path with the send path when receiving the reply message for your message.
  - “Message Format”:  
Select the message format to be used when creating a new message.

## MMS Settings

*“Messages” → “Settings” → “MMS Settings”*

1. Select the item you wish to set up.
  - “Slide Duration”:  
Sets the duration of the slide.
  - “Max Message Size”:  
Defines the maximum size of messages that are downloaded.
  - “Creation Mode” (“Free”, “Restricted”):  
When set to “Free”, you can attach files of any format to the mail. When set to “Restricted”, only certain formats can be attached.

## Email Settings

*“Messages” → “Settings” → “Email Settings”*

1. Select the item you wish to set up.
  - “Download Interval”:  
Sets the download interval.
  - “Max Message Size”:  
Defines the maximum size of messages that are downloaded.

## **Browser (M 2)**

Your phone is already configured to access SmarTone iN and the mobile internet.


SmarTone iN is a new mobile internet portal which is your gateway to a new world of information, games, music and services.

Because your phone uses 3G, it has a system that is faster than previous ways of getting mobile information. Also, the connection is ‘always on’ which means there is no need to wait for dialling up. You only have to pay for the data you send or receive, not how long you’re connected.


Your phone contains a WAP browser used for surfing on the Mobile Internet, where you can get a lot of useful information. Normally, pages are designed for a mobile phone.

Your phone is already setup to SmarTone iN site for WAP/MMS Settings.






### **Starting the WAP Browser**

1. Press  during stand-by.

### **To Exit the WAP Browser**

1. Press  to exit the browser.

## **Navigating a WAP Page**

- :  
Move the highlights around in the screen.
- :  
Executes the option displayed in the lower centre of the screen.
- :  
Launches the browser option menu.
- :  
Selects an action displayed in the lower right of the screen.  
Used to access “SmarTone iN” by opening the browser.
-  (short press):  
Exits the browser.  
(long press):  
Turns off the phone.

## Browser Menu

### To Edit Favourites

☐ → *[Options]* → *“Bookmarks”*

1. Select the desired URL, and press [Options].

You can edit the list of Bookmarks by the following options:

“Select”:	Selects a bookmark.
“Details”:	Displays detailed information of the WAP page.
“Send page”:	Sends the URL address to recipients.
“New”:	Creates new folders or bookmarks.
“Rename”:	Renames bookmarks.
“Edit URL”:	Edits URL address of the bookmark.
“Move”:	Moves Bookmarks to another location.
“Delete”:	Deletes bookmarks.
“Delete All”:	Deletes all bookmarks.

## The Browser Options

You can use various options of the WAP browser.

☐ → *[Options]*

“Select”:	Selects a WAP page.
“Home”:	Goes to the homepage.
“Alert Inbox”:	Displays WAP Push alerts. (see “To Edit Favourites”.)
“Bookmarks”:	Marks the selected WAP page.
“Mark Page”:	Save the selected link.
“Save This Link”:	Saves items from WAP pages.
“Save Items”:	Goes to the WAP page that you enter the URL address.
“Go to URL”:	Shows the history where you have browsed.
“Access History”:	Goes to the next page of the pages displayed.
“Forward”:	Reloads the WAP page again to get new information.
“Reload Page”:	Displays the advanced menus.
“Advanced”:	Exits the browser.
“Exit”:	



## The Advanced Options

☐ → *[Options]* → *“Advanced”*

- “My Saved Page”: Displays the bookmarked pages.
- “Save This Page”: Saves the WAP page as the local file.
- “Send Page”: Sends the WAP page data.
- “Details”: Shows detailed information of the WAP page.
- “Browser Data”: Edits the browser data. You can clear the cache/cookies/history.
- “Search This Page”: Searches specific words in the WAP page.
- “Copy Text”: Copies the text on the web page.
- “Settings”: Displays the Settings menus.
- “Restart Browser”: Restarts the browser.
- “About”: Displays the browser information.

## Browser Settings

☐ → *[Options]* → *“Advanced”* → *“Settings”*

- “Send Referrer”: Enables or disables the notification of the referrer.
- “Cookies”: Adjusts the setting of cookies.
- “Downloads”: Categorises downloading data from the images/sounds/objects.
- “Security”: Adjusts the security prompt level.
- “Scroll Step”: Sets the speed of scrolling.
- “Font Size”: Sets the size of the browsing font.
- “WAP Push”: Sets whether you need confirmation for push message.
- “Download to”: Sets the download location.

## **Media Player (M 7)**

Media Player can play sound files and video clip files by switching between two applications: Music Player and Video Player. These applications can handle files in MP4 and 3gp (video clip, sound) format. While playing back sound files in the background, you can use other menus.

### **Switching between Music Player and Video Player**

When you start the Media Player for the first time, the Music Player is started.

#### ***“Media Player”***

The list of the last-launched player (All Videos or All Music) is displayed.


1. When the desired playlist is not displayed, press [Options] and select “Open Video” or “Open Music”.
2. Select “Handset Memory” or “Memory Card”.

## **Music Player**

### **Playing Back Sound Files**

#### ***“Media Player”***

1. Select the desired file.

To pause playback, press .

#### ***Note***

- *You are asked whether or not to play sounds when the Silent mode is activated.*

#### ***Tip***


- *You can return to the Main menu screen while playing back the file in the background.*
- *You can create your playlist listing only the desired files (p. 76).*
- *You can make tone adjustment in step 1. Press [Options] and select “Tone Control”. Select from “Normal”, “Bass”, “Surround” or “Surround Bass”.*

- You can select the playback pattern in step 1. Press [Options] and select “Playback Pattern”.
  - “Normal”: Plays back all files in the selected folder once and stops playback.
  - “Repeat”: Continues to play back the selected file.
  - “Repeat All”: Plays back all files in the selected folder.
  - “Random”: Plays back files in the selected folder at random.

### Adding a File to the Playlist

You can create a playlist registering desired files.

#### “Media Player”

1. Highlight the file you wish to add to the playlist.
2. Press [Options] and select “Add to Playlist”.  
The playlists are displayed. For details on adding a playlist, see “Adding a New Playlist” on page 76.
3. Select the desired folder.
4. Press .  
The file highlighted in step 1 is saved.  
To delete the playlist, highlight the playlist and press [Options]. Then select “Delete Playlist”.

### Streaming

You can play back sound files while downloading them from the mobile network.


You can also register the address of the Web site as a bookmark.

#### “Media Player”

1. Press [Options] and select “Streaming”.
2. Select from “Enter URL”, “Favourites” or “Access Log”.
  - “Enter URL”: Enter the desired address of the Web site. The browser opens, starts downloading and plays back.
  - “Favourites”: The address of the Web site is registered.
  - “Access Log”: Shows the logs of the Web site you accessed. From the log you can start streaming.

## Adding a New Playlist



### *“Media Player”*

1. Press [Options] and select “Open Music”.
2. Select “Handset Memory” or “Memory Card”.
3. Press [Options] and select “Add New Playlist”.
4. Enter the desired playlist name.
5. Press .

## Video Player

### Playing Back Video Clip Files

#### *“Media Player”*

1. Select the desired file.  
To pause playback, press .  
To stop playback, press .


#### **Tip**

- You can create your playlist listing only the desired files (p. 77).

## Adding a File to the Playlist

You can create a playlist registering desired files.

### *“Media Player”*

1. Highlight the file you wish to add to the playlist.
2. Press [Options] and select “Add to Playlist”.  
The playlists are displayed. For details on creating a playlist, see “Adding a New Playlist” on page 77.
3. Select the desired folder.
4. Press .

The file highlighted in step 1 is saved.

To delete files from the playlist, highlight the playlist and press [Options]. Then select “Delete from Playlist”.

## Streaming

You can play back video clip files while downloading them from the mobile network.

You can also register the address of the Web site as a bookmark.

### *“Media Player”*

1. Press [Options] and select “Streaming”.

2. Select from “Enter URL”, “Favourites”, “Access Log” or “Display Size”.

“Enter URL”: Enter the desired address of the Web site. The browser opens, starts downloading and plays back.


“Favourites”: The address of the Web site is registered.

“Access Log”: Shows the logs of the Web site you accessed. From the log you can start streaming.

“Display Size”: Select the display size when playing back video clip files.

## **Adding a New Playlist**

### ***“Media Player”***

1. Press [Options] and select “Open Video”.
2. Select “Handset Memory” or “Memory Card”.
3. Press [Options] and select “Add New Playlist”.
4. Enter the desired playlist name.
5. Press .

## **Editing the Video Clip File**

### ***“Media Player”***

1. Select the file you wish to edit.
2. Press [Options] and select “Crop”.

## **Backlight**

### ***“Media Player”***

1. Select the file the backlight of which you wish to adjust.
2. Press [Options] and select “Settings”.
3. Select “Backlight:”.
4. Select from “Always On”, “Always Off” or “Normal Settings”.
  - “Always On”: Lit while the file is played back.
  - “Always Off”: Unlit while the file is played back even if a key is pressed.
  - “Normal Settings”: Works with the main backlight setting (p. 114).

## **Gallery (M 6)**

Gallery contains several types of picture, sound and video clip data. Also included in Gallery are frequently used text message phrases and accessed WAP pages (addresses) which you can use. You can also transmit picture, sound and video clip data via infrared or *Bluetooth* wireless technology to OBEX-enabled phones.

### **Picture Gallery (M 6-1)**

Pictures that are taken by a digital camera or images that are downloaded from mobile Internet sites can be managed. You can register pictures in the following formats: JPEG, PNG, WBMP and GIF.



#### **Viewing Pictures**

***“Gallery” → “Picture Gallery”***

1. Select the file you wish to view.  
The selected picture is displayed.

#### **Switching the Memory Source**

***“Gallery” → “Picture Gallery”***

1. Press .  
The tab switches and the list is displayed from the memory card. To go back to the handset memory, press .

2. Select the picture file you wish to view.

#### **Using Images as Wallpaper**

***“Gallery” → “Picture Gallery”***

1. Highlight the file you wish to use as wallpaper.
2. Press [Options] and select “Set as Wallpaper”.

#### **Saving an Image to Phonebook Entries**

You can use this option only for pictures saved in the handset memory.

***“Gallery” → “Picture Gallery”***

1. Highlight the file you wish to add to Phonebook.
2. Press [Options] and select “Save to Phonebook”.  
To overwrite, select the data you wish to save.  
To save as a new entry, select “As New Contact”.  
For details on entering a name, see “Add New Contact” on page 45.

## Editing Pictures

### **“Gallery” → “Picture Gallery”**

1. Highlight the file you wish to edit.
2. Press [Options] and select “Picture Editor”.
3. Select the desired option.

#### **Note**

- *The size of pictures that you can retouch is 52 dots [W] × 52 dots [H] minimum.*

## Adjusting the Size

You can adjust the picture to an appropriate size depending on the scene.

### **“Gallery” → “Picture Gallery”**

1. Highlight the file you wish to adjust the size of.
2. Press [Options] and select “Resize”.
3. Select the desired option.

Each option resizes the picture for each use.

“To Wallpaper”

“Power On/Off”

“For Incoming Call”

“Alarm”

“Cut”

#### **Note**

- *“Resize” may not be available depending on the original picture and copyright issued.*

## Sending a Picture File

### **“Gallery” → “Picture Gallery”**

1. Highlight the file you wish to send.
2. Press [Options] and select “Send”.
3. Select the desired option.

For details on creating a message, see “Creating a New Message” on page 61.

#### **Note**

- *Some pictures protected with a copyright may not be sent attached to a message.*

## Operating the Files

You can copy, move, sort, rename, and delete the saved pictures.

### **“Gallery” → “Picture Gallery”**

1. Highlight the desired file.
2. Press [Options] and select “Advanced”.

Select the desired option according to your purpose.

“Move”: Moves the files to another folder.  
Select the desired folder to move.

“Copy”: Copies the file. Select the desired folder to copy.

“Create Folder”: Creates a new folder.

## Using Multiple Select

You can select more than one file for moving, copying and deleting.

### *Note*

- *The following procedure applies when the entries other than “Download More” are highlighted.*

### **“Gallery” → “Picture Gallery” → [Options] → “Advanced” → “Multiple Select”**

1. Select the desired file names.
2. Press [Options] and select the desired menu.

If you select “Delete”, a confirmation message is displayed.

### *Tip*

- *To remove the check, select the file again or select “Unselect” in step 2.*
- *If you wish to select all files, select “Select All” in step 2. To unselect all, select “Unselect All”. Then press [Options] to select the desired menu.*

## To Sort the Files

### *Note*

- *The following procedure applies when the entries other than “Download More” are highlighted.*

### **“Gallery” → “Picture Gallery” → [Options] → “Advanced” → “Sort”**

1. Select the desired order.

## To Rename the File

### **“Gallery” → “Picture Gallery”**

1. Highlight the desired file.
2. Press [Options] and select “Rename”.



## To Delete the File

### **“Gallery” → “Picture Gallery”**

1. Highlight the desired file.
2. Press [Options] and select “Delete”.

## To See the Picture Details

### **“Gallery” → “Picture Gallery”**

1. Highlight the file of which you wish to view the detail information.
2. Press [Options] and select “Details”.

## Downloading Picture Files

### **“Gallery” → “Picture Gallery” → “Download More”**

The picture file download site is displayed.

### **Tip**

- For details on transmitting Gallery data, see “Sending Gallery Data” on page 88.


## Video Gallery (M 6-2)


Video clips that are recorded by a video camera or video clips that are downloaded from mobile Internet sites can be managed.

## Playing Back Video Clip Files

### **“Gallery” → “Video Gallery”**

1. Select the file you wish to play back.

2. Press .


To resume, press  again.

To stop playback, press [Back].

## Switching the Memory Source

### **“Gallery” → “Video Gallery”**

1. Press .

The tab switches and the list is displayed from the memory card. To go back to the handset memory, press .

2. Select the video clip you wish to view.

## Sending a Video Clip File

### **“Gallery” → “Video Gallery”**

1. Highlight the file you wish to send.
2. Press [Options] and select “Send”.
3. Select the desired option.

For details on creating a message, see “Creating a New Message” on page 61.

### **Note**

- Video clips protected with a copyright cannot be sent attached to a message, with the exception of Separate Delivery files.

## To Record a Video

You can record a video also from Gallery.

### *Note*

- *The following procedure applies when the entries other than “Download More” are highlighted.*

**“Gallery” → “Video Gallery” → [Options] → “Video Camera”**

The video camera application launches. To record a video, see “Recording Video Clips” on page 56.

## Operating the Files

You can copy, move, sort, rename, and delete the saved video clips.

**“Gallery” → “Video Gallery”**

1. Highlight the desired file.
2. Press [Options] and select “Advanced”.

Select the desired option according to your purpose.

“Move”: Moves the files to another folder.  
Select the desired folder to move.

“Copy”: Copies the file. Select the desired folder to copy.

“Create Folder”: Creates a new folder.

## Using Multiple Select

You can select more than one file for moving, copying and deleting.

### *Note*

- *The following procedure applies when the entries other than “Download More” are highlighted.*

**“Gallery” → “Video Gallery” → [Options] → “Advanced” → “Multiple Select”**

1. Select the desired file names.
2. Press [Options] and select the desired menu.

If you select “Delete”, a confirmation message is displayed.

### *Tip*

- *To remove the check, select the file again or select “Unselect” in step 2.*
- *If you wish to select all files, select “Select All” in step 2. To unselect all, select “Unselect All”. Then press [Options] to select the desired menu.*

## To Sort the Files

### **Note**

- The following procedure applies when the entries other than “Download More” are highlighted.

**“Gallery” → “Video Gallery” → [Options] → “Advanced” → “Sort”**

1. Select the desired order.

## To Rename the File

**“Gallery” → “Video Gallery”**

1. Highlight the desired file.
2. Press [Options] and select “Rename”.

## To Delete the File

**“Gallery” → “Video Gallery”**

1. Highlight the desired file.
2. Press [Options] and select “Delete”.

## To See the Video Clip Details

**“Gallery” → “Video Gallery”**

1. Highlight the file of which you wish to view the detail information.
2. Press [Options] and select “Details”.

## Downloading Video Clip Files

**“Gallery” → “Video Gallery” → “Download More”**

The video clip file download site is displayed.

## Setting a Ring Video

You can set your video clip to play back when the phone rings.

**“Gallery” → “Video Gallery”**


1. Highlight the desired video clip.
2. Press [Options] and select “Set as Ring Video”.

## Sound Gallery (M 6-3)

The downloaded sound files and the AMR data recorded by Voice Recorder are managed in Sound Gallery. The default ringtones are not contained within Sound Gallery. Only the sound files you can play back with the phone are stored in Sound Gallery.

## Playing Back Sound Files

**“Gallery” → “Sound Gallery”**

1. Select the file you wish to play back.  
To stop playback, press .


### **Note**

- This option may not be available in all regions.

## Switching the Memory Source

### “Gallery” → “Sound Gallery”

1. Press .

The tab switches and the list is displayed from the memory card. To go back to the handset memory, press .

2. Select the desired sound file.

## Using the Sound Files as a Ringtone

### “Gallery” → “Sound Gallery”

1. Highlight the file you wish to use as a ringtone.
2. Press [Options] and select “Set as Ringtone”.

#### Note

- The formats that can be used for ringtones are *SMAF, MIDI (SMF, SP-MIDI), MP3, MP4 and XMF*. Other formats cannot be used.

## Sending a Sound File

### “Gallery” → “Sound Gallery”

1. Highlight the file you wish to send.
2. Press [Options] and select “Send”.
3. Select the desired option.

For details on creating a message, see “Creating a New Message” on page 61.

#### Note

- Sounds protected with a copyright cannot be sent attached to a message, with the exception of *Separate Delivery* files.

## Operating the Files

You can copy, move, sort, rename, and delete the saved sound files.

### “Gallery” → “Sound Gallery”

1. Highlight the desired file.
2. Press [Options] and select “Advanced”.

Select the desired option according to your purpose.

“Move”: Moves the files to another folder.  
Select the desired folder to move.

“Copy”: Copies the file. Select the desired folder to copy.

“Create Folder”: Creates a new folder.

## Using Multiple Select

You can select more than one file for moving, copying and deleting.

### **Note**

- *The following procedure applies when the entries other than “Download More” are highlighted.*

**“Gallery” → “Sound Gallery” → [Options] → “Advanced” → “Multiple Select”**

1. Select the desired file names.
2. Press [Options] and select the desired menu.  
If you select “Delete”, a confirmation message is displayed.

### **Tip**

- *To remove the check, select the file again or select “Unselect” in step 2.*
- *If you wish to select all files, select “Select All” in step 2. To unselect all, select “Unselect All”. Then press [Options] to select the desired menu.*

## To Sort the Files

### **Note**

- *The following procedure applies when the entries other than “Download More” are highlighted.*

**“Gallery” → “Sound Gallery” → [Options] → “Advanced” → “Sort”**

1. Select the desired order.

## To Rename the File

**“Gallery” → “Sound Gallery”**

1. Highlight the desired file.
2. Press [Options] and select “Rename”.

## To Delete the File

**“Gallery” → “Sound Gallery”**

1. Highlight the desired file.
2. Press [Options] and select “Delete”.

## To See the Sound Details

**“Gallery” → “Sound Gallery”**

1. Highlight the file of which you wish to view the detail information.
2. Press [Options] and select “Details”.

## Downloading Sound Files

**“Gallery” → “Sound Gallery” → “Download More”**

The sound file download site is displayed.

## Java™ Gallery (M 6-4)

Along with the preloaded application, downloaded applications are saved in Java™ Gallery.

### Using Applications

Various kinds of SmarTone specific applications can be used on this phone.

To use applications, download the applications via the mobile Internet.

Some applications offer the ability to connect to a network either within a game or a network based application.

#### Note

- *Applications may be both localised (no connectivity) and network based (using the mobile Internet to update information/play games). The network may charge you more for using network-based applications. Please contact your service provider for more information.*

### Downloading Applications

#### Confirmation Screen

Before downloading the application you are asked to confirm what you are about to receive.

After checking the information on the confirmation screen, the application can be downloaded.


#### Note

- *User authentication may be required before downloading the application on some information screens.*

### Executing Applications


#### “Gallery” → “Java™ Gallery”

Downloaded applications are sequentially displayed from the latest one.

1. Select the title of the application you wish to execute.  
The selected application is executed. When using network connection type applications, connection to the network can be selected.
2. To end the application, press  and select “End”.



## To Set a Screensaver Application

### *“Gallery” → “Java™ Gallery”*


1. Highlight the desired screensaver application.
2. Press .  
The confirmation screen to set a screensaver is displayed.
3. Select [Yes].

## Download More

### *“Gallery” → “Java™ Gallery” → “Download More”*

1. Select the application you wish to download.  
The confirmation screen is displayed after various WAP browser screens.
2. Press  to start downloading.
3. Press  when finished.

## Activating Files with Copyright Protection (DRM)

Some pictures, sound files, and video clips have a digital copy protection program, which is called DRM (Digital Rights Management). You need to activate the digital licence permission to open the files. Files protected with DRM are displayed with .

### *“Gallery”*

1. Select the desired menu from “Picture Gallery”, “Sound Gallery” or “Video Gallery”.
2. Highlight the file you wish to activate.
3. Press [Options] and select “Activate”.

### *Note*

- *Some pictures with DRM may not open even when an attempt is made to activate it.*
- *Pictures with DRM cannot be sent attached to a message, with the exception of Separate Delivery files.*

## Sending Gallery Data

Choose the appropriate menu.

**“Gallery” → “Picture Gallery”**

**“Gallery” → “Sound Gallery”**

**“Gallery” → “Video Gallery”**

**“Gallery” → “Other Documents”**

1. Highlight the desired file.
2. Press [Options] and select “Send”.
3. Select “Via Bluetooth” or “Via Infrared”.

For “Via Bluetooth”

For details, see “Bluetooth” on page 128.

For “Via Infrared”

For details, see “Infrared” on page 131.

### Note

- *Pictures/Sounds/Video clips protected with a copyright cannot be sent, with the exception of Separate Delivery files.*
- *When pairing, you need to enter your passcode when establishing contact with a Bluetooth wireless technology enabled device for the first time.*

## Receiving the Gallery Data

When the phone receives the Gallery data, a confirmation message is displayed during stand-by.

1. Press [Yes].

The received data is saved in the corresponding Gallery folder.

### Tip

- *For details on Infrared or Bluetooth wireless settings, see “Connectivity” on page 128.*

## Bookmarks (M 6-5)

You can store desired (or frequently used) pages (addresses) in Bookmarks. It can save you time in accessing WAP pages. For details, see “Browser” on page 71.

**“Gallery” → “Bookmarks”**

1. Select the page you wish to browse.



## My Saved Page (M 6-6)

You can save the WAP page as a screenshot.

*“Gallery” → “My Saved Page”*


1. Select the desired file to view.

## Text Templates (M 6-7)

You can register up to 50 text templates for use in text messages and multimedia messages. The maximum capacity of the text templates is 100 KB.


### Adding Phrases to Text Templates

*“Gallery” → “Text Templates” → “Add New Template”*

1. Enter the text and press .

### Editing Text Templates

*“Gallery” → “Text Templates”*

1. Highlight the text template you wish to edit.
2. Press [Options] and select “Edit”.
3. Modify the text and press .

## Viewing Text Templates

*“Gallery” → “Text Templates”*

The list of Text Templates is displayed.

1. Highlight the text template you wish to view.
2. Press [Options] and select “View”.

### Deleting Text Templates

*“Gallery” → “Text Templates”*

1. Highlight the text template you wish to delete.
2. Press [Options] and select “Delete”.

### Sending Text Templates

*“Gallery” → “Text Templates”*

1. Highlight the text template you wish to send.
2. Press [Options] and select “Send Template”.

## Other Documents (M 6-8)

Some types of files excluding picture files are stored in the Other Documents folder of the phone. You can edit and use these files as Gallery data.

### Opening the Document File

**“Gallery” → “Other Documents”**

1. Select the desired file.

### Sending the Document File

**“Gallery” → “Other Documents”**

1. Highlight the file you wish to send.
2. Press [Options] and select “Send”.
3. Select the desired option.

### Operating the Files

You can copy, move, sort, rename, and delete the saved documents.

**“Gallery” → “Other Documents”**

1. Highlight the desired file.
2. Press [Options] and select “Advanced”.

Select the desired option according to your purpose.

“Move”:  
Moves the files to another folder.  
Select the desired folder to move.

“Copy”:  
Copies the file. Select the desired folder to copy.

“Create Folder”:  
Creates a new folder.

### Using Multiple Select

You can select more than one file for moving, copying and deleting.

**“Gallery” → “Other Documents” → [Options] → “Advanced” → “Multiple Select”**

1. Select the desired file names.
2. Press [Options] and select the desired menu.  
If you select “Delete”, a confirmation message is displayed.

### Tip

- To remove the check, select the file again or select “Unselect” in step 2.
- If you wish to select all files, select “Select All” in step 2. To unselect all, select “Unselect All”. Then press [Options] to select the desired menu.

To Sort the Files

***“Gallery” → “Other Documents” → [Options] →  
“Advanced” → “Sort”***

1. Select the desired order.

To Rename the File

***“Gallery” → “Other Documents”***

1. Highlight the desired file.
2. Press [Options] and select “Rename”.

To Delete the File

***“Gallery” → “Other Documents”***

1. Highlight the desired file.
2. Press [Options] and select “Delete”.

To See the Document Details

***“Gallery” → “Other Documents”***

1. Highlight the file of which you wish to view the detail information.
2. Press [Options] and select “Details”.

# Java™ (M 1)

## Java™ Gallery (M 1-1)

The list of Java™ applications is displayed.

Downloaded applications are displayed in order starting from the latest one.

### Executing Applications

For details on executing applications, see “Executing Applications” on page 86.

### Setting Security Level

You can set the security level for selected Java™ applications.

“Java™” → “Java™ Gallery”

1. Highlight the desired Java™ application.
2. Press [Options] and select “Security Level”.
3. Select one of the following options:
  - “Network Access”: Sets security to access the network.
  - “Messaging”: Sets security to perform MMS and SMS messaging.
  - “Auto Run”: Sets security to perform the Auto Run function.

- “Local Connection”: Sets security to access local contents.
- “Read User Data”: Sets security to read user data, such as Phonebook entries, mailbox (Inbox) and Gallery data.
- “Write User Data”: Sets security to write entries in your phone, such as Phonebook entries, mailbox (Inbox) and Gallery data.
- “Use Multimedia”: Sets security to use the barcode scanning function.
- “Location Access”: Sets security to update the positioning function.
- “Reset”: Clears all the above settings.

#### 4. Select one of the following options:

- “Session”: The confirmation message is not displayed until you exit the application, while execution of the API of the specified function group is authorised.

“Ask once”:	The confirmation message is displayed every time the API of the specified function group is executed.
“Blanket”:	The confirmation message is not displayed until the application is deleted or you change the settings, while execution of the API of the specified function group is authorised.
“No”:	Execution of the API of the specified function group is not authorised.

## Setting Network Access

In order to allow Java™ applications to access to the network, you need to set the network access.

**“Java™” → “Java™ Gallery” → [Options] → “Security Level” → “Network Access”**

1. Select “Session”, “Ask once”, “Blanket” or “No”.

## Viewing Application Information

You can check the information of Java™ applications.

**“Java™” → “Java™ Gallery”**

1. Highlight the desired Java™ application.
2. Press [Options] and select “Information”.

## Deleting an Application

You can delete an application from the handset memory.

**“Java™” → “Java™ Gallery”**

1. Highlight the desired Java™ application.
2. Press [Options] and select “Delete”.

## Java™ Wallpaper (M 1-2)

You can set Java™ Wallpaper for the stand-by screen.

### Switching the Java™ Wallpaper On or Off

**“Java™” → “Java™ Wallpaper” → “Switch On/Off”**

1. Select “On” or “Off”.

### Note

- If you select “On” and a Java™ Wallpaper is not set, a list displaying available Java™ Wallpaper is displayed, asking you to make a selection.

## Set Applications

**“Java™” → “Java™ Wallpaper” → “Set Applications”**

The downloaded applications are displayed.

1. Select the desired Java™ Wallpaper.

## Settings (M 1-3)

### Application Volume

You can set the volume of the application such as the sound effect to one of the five levels or silent. When “Application Volume” is set to “Silent”, this setup has priority.

**“Java™” → “Settings” → “Application Volume”**

The current volume level is displayed.

1. Press ▲ (or ►) to increase the volume or press ▼ (or ◀) to decrease the volume and then press ●.

### Backlight

**“Java™” → “Settings” → “Backlight” → “Switch On/Off”**

1. Select from “Always On”, “Always Off” or “Normal Settings”.

“Always On”: Lights while the application is operated. Blinks when the blink setting is on.

“Always Off”: Turns off while the application is operated even if a key is pressed.

“Normal Settings”:

Works with the main backlight setting (p. 114). Blinks when the blink setting is on.

### To Set the Blinking Operation

This setting enables the backlight to be controlled by the application. If set to “Off”, the backlight cannot be turned on from the application.

**“Java™” → “Settings” → “Backlight” → “Blink”**

1. Select “On” or “Off”.

### Vibration

When the vibrator is set in the application, you can choose whether the operation is enabled or not.

When a SMAF file is specified in the application, you can operate the vibrator set in the SMAF file.

### Note

- *SMAF (Synthetic music Mobile Application Format) is a music data format for mobile phones.*

### “Java™” → “Settings” → “Vibration”

1. Select from “On”, “Link to Sound” or “Off”.

When you set “Link to Sound”, the vibration is synchronised with the sound of SMAF file in the application.

### Calls & Alarms


You can set the priority of incoming calls and alarms while an application is operating.



### “Java™” → “Settings” → “Calls & Alarms”

1. Select “Incoming Call”, “Video Call”, “Incoming Message” or “Alarm”.

2. Select the desired method.

- “Call Priority”, “Message Priority” or “Alarm Priority”:

The application is suspended automatically, and you can receive a call or a message, or the alarm will sound. After finishing the call or the message, or the alarm ends, the suspend indicator (  ) is displayed letting you know there is a suspended application.

- “Call Notice”, “Message Notice” or “Alarm Notice”:  
The marquee (character scrolls) is displayed on the first line of the screen while the application continues. If you press , the application is suspended, and you can receive a call or a message. After finishing the call or the message, the suspend indicator (  ) is displayed letting you know there is a suspended application.

### Java™ Information (M 1-4)

The information about the licences belonging to Java™ is displayed.

## **Organiser (M 3)**


### **Calendar (M 3-1)**

Calendar allows you to easily schedule appointments or events, which are associated with the date and time.

These entries can also be sent via infrared or *Bluetooth* wireless technology to a PC to share the same schedules. When you exchange entries with other devices, the date and time displayed may be different to that of the original data depending on the data format of the receiving device.

#### **Creating a New Entry**

**“Organiser” → “Calendar”**

1. Select the desired day to which you wish to add an event and press .
2. Select “Add New Entry”.
3. Enter the subject.
4. Enter the location.
5. Select the desired category.
6. Enter the start date and then enter the start time.
7. Select the duration.
8. Select the reminder time or date.

9. Select “Repeat” and select the desired option.
10. Select “Description” and enter a memo for the schedule entry.
11. Select “Secret” and select “On” or “Off” to make it secret data.
12. Press [Save].

#### **Note**

- *If the date and time settings have not been made, the date and time entry screen is displayed (p. 117).*
- *The reminder will not sound when “Ringer Volume” (p. 109) is set to “Silent”.*

#### **Sending a Schedule Entry**

**“Organiser” → “Calendar”**

1. Select the day including schedule entries you wish to send.
2. Press [Options] and select “Send”.
3. Select “As Message”, “Via Bluetooth” or “Via Infrared”.



## For “Via Bluetooth”

For details, see “Bluetooth” on page 128.

## For “Via Infrared”

For details, see “Infrared” on page 131.

### **Note**

- *When pairing, you need to enter your passcode when establishing contact with a Bluetooth wireless technology enabled device for the first time.*

## **Receiving a Schedule Entry**

When the phone receives a schedule entry, a confirmation message is displayed during stand-by.

1. Press [Yes].  
The received entry is saved in the Calendar.  
Press [No] to reject.

### **Tip**

- *For details on making Infrared or Bluetooth wireless settings, see “Connectivity” on page 128.*

## **Viewing a Schedule Entry**

### **“Organiser” → “Calendar”**

1. Select the day you wish to view.  
The daily view is displayed.

## **To Search By Date**

1. In the monthly or daily view, press [Options] and select “Go to”.
2. Select “Today” to display today or “Enter Date” to enter the desired date.

## **Editing a Schedule Entry**

### **“Organiser” → “Calendar”**

1. Select the day you wish to edit.  
The daily view is displayed.
2. Press [Options] and select “Edit”.
3. Select the desired item and modify the entry.
4. Press [Save].

## **Deleting Schedule Entries**

1. In the monthly or daily view, press [Options] and select “Delete”.
2. Select the desired option.  
“This Appointment” (daily view only):  
Deletes the selected appointment.  
“All This Day”: Deletes all entries for the selected day.

- “All This Month” (monthly view only):  
Deletes all entries for the selected month.
- “Up to Last Month” (monthly view only):  
Deletes all entries before this month.
- “All Appointments” (monthly view only):  
Deletes all entries in this application.

## Viewing the Memory Status

1. In the monthly or daily view, press [Options] and select “Memory Status”.  
The current memory status is displayed.

## Alarms (M 3-2)

### Setting the Alarms

The alarm function allows you to be alerted at a specified time.

Note that you need to set the current date and time before setting the alarm function if it has not been done already.

#### Note

- *The alarm will not ring when “Ringer Volume” (p. 109) is set to “Silent”.*

### “Organiser” → “Alarms”

1. Select the blank setting.
2. Enter the desired time.
3. Select the repeat option.

### To Change the Type of Alarm Tone

1. On the Set Alarm screen, select “Assign Tone/Video”.
2. Select “Assign Alarm Tone”.
3. Select “Preset Sounds” or “Sound Gallery”.
4. Select the desired tone.  
For details on selecting a tone, see “Assigning a Ringtone” on page 110.





### To Change the Type of Video

1. On the Set Alarm screen, select “Assign Tone/Video”.
2. Select “Assign Alarm Video”.
3. Select the desired video.

### To Change the Snooze of the Alarm Tone

1. On the Set Alarm screen, select “Snooze”.
2. Select the desired snooze option.

### To Change the Alarm Volume

1. On the Set Alarm screen, select “Alarm Volume”.
2. Press  (or ) to increase the volume or press  (or ) to decrease the volume.

### To Change the Vibration of Alarm Tone

1. On the Set Alarm screen, select “Vibration”.
2. Select “On”, “Link to Sound” or “Off”.

For details on selecting a vibration, see “Vibration” on page 111.

### To Change the Duration of the Alarm Tone

1. On the Set Alarm screen, select “Duration”.
2. Select the desired duration.

### Resetting an Alarm Setting

“Organiser” → “Alarms”

1. Highlight the alarm you wish to reset.
2. Press [Options] and select “Reset Alarm”.

### Resetting All Alarm Settings

“Organiser” → “Alarms” → “Clear All”

### Calculator (M 3-3)


The calculator function performs the 4 arithmetic calculations using up to 12 digits.


“Organiser” → “Calculator”


The calculator is displayed on the display.


Key operations for calculation are as follows:



To enter a decimal point, press .

To clear the entered number or function, press .

To do the calculations, press .

To start a new calculation, press .


## Rate Conversion

You can also use the calculator as a currency calculator to convert from/to a home currency using a conversion rate that you enter.

### To Set a Currency Conversion Rate

**“Organiser” → “Calculator” → [Options] → “Currency Converter” → “Exchange Rate”**

1. Select “Domestic” or “Foreign”.
2. Enter the currency conversion rate.

To delete a digit, press .

### To Convert a Value

**“Organiser” → “Calculator”**

1. Enter the value to be converted.
2. Press [Options] and select “Currency Converter”.
3. Select “Convert to Domestic” or “Convert to Foreign”.



The result is displayed.

## Voice Recorder (M 3-4)



This allows you to record a voice clip, which can be used to remind you of schedule entries or be sent within a multimedia message. The recorded voice clip is saved in Saved Sounds. Voice clips are saved in .amr format.

## Recording a Voice Clip

**“Organiser” → “Voice Recorder”**



1. Press  to start recording.  
To stop recording before the recording time is over, press .
2. Select “Save” to save the voice clip.

### Note

- Press  (or the side-up key) or  (or the side-down key) to adjust the sound volume when playing back the recorded file.

## Sending Voice Clips

**“Organiser” → “Voice Recorder”**

1. Press  to start recording.
2. Press  to stop recording.
3. Select “Save and Send”.  
For details on creating a message, see “Creating a New Message” on page 61.

## Viewing Record Time

**“Organiser” → “Voice Recorder” → [Options] → “Record Time”**

1. Select “For Message” or “Extended Voice”.  
When selecting “Extended Voice”, you can save the voice clip only in a memory card automatically.

## Selecting Storage Memory

**“Organiser” → “Voice Recorder” → [Options] → “Save Recording To”**

1. Select the desired location.  
When selecting “Choice”, you can select the location when saving a voice clip.

## Scanner (M 3-5)


With the built-in digital camera, you can read texts and barcodes in Jan format and QR codes, and create QR codes. The scanned data can be saved as a Phonebook entry, URL, email address and text.

### Note

- *When scanning does not take place, it may be due to one of the following reasons: type or size of barcode, scratches, dirt, damage, print quality, light reflection, etc.*

## Reading Barcodes

**“Organiser” → “Scanner” → “Scan Barcode”**

1. Display the barcode using the external camera.
2. Press .  
The scanning starts and the scanned result is displayed.

3. Select the desired option.

The options vary depending on the scanned data.

“Open Link”: The browser opens the URL.

“Copy URL”: The URL is copied.

“Send Message”: The result is sent as SMS or MMS.

“Copy”: The result is copied.

## Using the Scanning Options

1. In the scanning mode, press [Options] and select the desired option.  
“Scan”: Scanning is performed.  
“Saved Files”: The saved files are displayed.  
“Auto Focus”: Select the focusing option from “Normal”, “Macro” or “Manual Focus”.

“Continuous Scan”:

The continuous scanning is turned on.

“Mobile Light”: The mobile light is turned on or off.

“Exposure”: The exposure is adjusted in the following steps: +2, +1, 0, -1, -2.

“Help”: The Help for using the scan function is displayed.

## Creating QR Codes


You can create QR codes using texts and Gallery data.

**“Organiser” → “Scanner” → “Create QR Code”**


1. Select the desired option.

“Text Input”: Create a QR code using the text you enter.

“Gallery”: Create a QR code using the Gallery data.

2. Press .

Creation of the barcode starts and is displayed on the screen.

3. Press .


### Tip

- You can save the QR code in PNG format. Press [Options] and select “Save”.



## Scanning Texts

**“Organiser” → “Scanner” → “Scan Text”**

1. Display the text using the external camera.

2. When the bar under the scanned text is blue, press .

The scanning starts and the scanned result is displayed.

3. Press  or  to select the desired text.

4. Press .

5. Press [Options] and select the desired option.

“OK”: The scanned result is in the text entry screen.

“Select/Edit”: The scanned result can be modified.

“Change Mode”: The scanned result can be converted to a web address, mail address, phone number or to roman text.

## Using the Scanning Options

1. In the scanning mode, press [Options] and select the desired option.

“Scan”: Scanning is performed.

“Saved Files”: The saved files are displayed.

“Auto Focus”: Select the focusing option from “Normal”, “Macro” or “Manual Focus”.

“Reversed Text”: Select the desired option from “Auto”, “Normal” or “Reversed”.

“Mobile Light”: The mobile light is turned on or off.

“Exposure”: The brightness is adjusted in the following steps: +2, +1, 0, -1, -2.

“Help”: The Help for using the scan function is displayed.

## Deleting the Scanned Data

**“Organiser” → “Scanner” → “Scanned Results”**

1. Highlight the data you wish to delete.
2. Press [Options] and select “Delete”.

## Renaming the Scanned Data

**“Organiser” → “Scanner” → “Scanned Results”**

1. Highlight the data you wish to rename.
2. Press [Options] and select “Rename”.

## Checking the Information of the Scanned Data



**“Organiser” → “Scanner” → “Scanned Results”**

1. Highlight the data the information of which you wish to check.
2. Press [Options] and select “Information”.

## Stopwatch (M 3-6)

You can store 4 lap times when using the stopwatch function.

**“Organiser” → “Stopwatch”**

1. Press  to start.  
Press [LAP] to view the lap time before the stopwatch stops. Last 4 lap times are saved.
2. Press  to stop.

### Tip

- You can save a record of lap time and stop time in Text Templates by pressing [Options] and selecting “Save to Templates”.

## Resetting Time

1. After stopping the stopwatch, press [Options] and select “Reset”.

## Tasks (M 3-7)

You can register your schedule as task entries which are associated with the date and time.

### Creating a New Entry

**“Organiser” → “Tasks”**

1. Select “Add New Entry”.
2. Enter the subject.
3. Enter the due date and then due time.
4. Select the reminder option.

When selecting “Other”, enter the desired reminder date and time.

5. Select “Description” and enter a memo for the task entry.
6. Select “Secret” and select “On” or “Off” to make it a secret data.
7. Press [Save].

### Note

- If the date and time settings have not been made, the date and time entry screen is displayed (p. 117).

## Setting the Alarms

You can set the alarm at a specified time on the entry.

**“Organiser” → “Tasks”**

1. Highlight the desired entry.
2. Press [Options] and select “Edit”.
3. Select “Reminder” and select “Reminder Time”.
4. Select the desired reminder time.

### To Change the Type of Alarm Tone

1. On the Reminder screen, select “Assign Tone/Video”.
2. Select “Assign Tone”.
3. Select “Preset Sounds” or “Sound Gallery”.
4. Select the desired tone.

For details on selecting a tone, see “Assigning a Ringtone” on page 110.

### To Change the Type of Video

1. On the Reminder screen, select “Assign Tone/Video”.
2. Select “Assign Video”.
3. Select the desired video clip file.



To Change the Duration of Alarm Tone or Video

1. On the Reminder screen, select “Duration”.
2. Select the desired duration.

### Editing the Task Entry

“Organiser” → “Tasks”

1. Highlight the desired entry.
2. Press [Options] and select “Edit”.
3. Modify the entry.

### Sending a Task Entry

“Organiser” → “Tasks”

1. Highlight the task entry you wish to send.
2. Press [Options] and select “Send”.
3. Select the desired option.
  - “As Message”: Sends the entry as a message.
  - “Via Bluetooth”: Sends the entry through Bluetooth connection.
  - “Via Infrared”: Sends the entry through Infrared connection.

For “Via Bluetooth”

For details, see “Bluetooth” on page 128.

For “Via Infrared”

For details, see “Infrared” on page 131.

### Note

- When pairing, you need to enter your passcode when establishing contact with a Bluetooth wireless technology enabled device for the first time.

### Viewing the Memory Status

“Organiser” → “Tasks”

1. Highlight the task entry you wish to view the memory status of.
2. Press [Options] and select “Memory Status”.  
The current memory status is displayed.

### Deleting Entries




“Organiser” → “Tasks” → [Options] → “Delete”

1. Select the desired option.
  - “This Task”: Deletes the selected entry.
  - “All Completed Tasks”: Deletes all checked entries.
  - “All Tasks”: Deletes all entries.

## World Clock (M 3-8)

### Setting the Time Zone

*“Organiser” → “World Clock”*

1. Press [Edit].
2. Select “Set Time Zone”.  
The current time zone is indicated on the world map.
3. Press  or  to change the time zone.
4. Press .

### To Set the Custom Time Zone

*“Organiser” → “World Clock”*

1. Press [Edit].
2. Select “Set Time Zone”.  
The current time zone is indicated on the world map.
3. Press [Options] and select “Set Custom Zone”.
4. Enter the desired city name and time.





### Setting the Daylight Saving

*“Organiser” → “World Clock”*

1. Press [Edit].
2. Select “Daylight Saving”.
3. Select “On” or “Off”.

## Countdown Timer (M 3-9)

*“Organiser” → “Countdown Timer”*

1. Enter the time to count.  
You can set the time from 1 second to 60 minutes.
2. Press  to start counting.
3. Press  to pause.  
Press  again to continue counting.
4. If the countdown has finished, press [Cancel] and then press  to start the countdown again.

### Editing the Countdown Time

1. In the countdown start screen, press [Options] and select “Edit”.
2. Modify the desired time.

## Expenses Memo (M 3-10)

You can record an expenses memo with predefined or edited categories.

### Recording in the Expenses Memo

***“Organiser” → “Expenses Memo” → “Add New Expense”***

1. Enter the expenses using the digit keys.
2. Select the desired category.

Expenses memo is registered.

### Viewing Totals

***“Organiser” → “Expenses Memo” → “Totals”***

Recorded expenses are displayed on the screen.

#### To Change Amount

1. In the total view, select the desired item.
2. Press [Options] and select “Change Amount”.
3. Enter the desired amount using the digit keys.

#### To Delete a Recorded Item

1. In the total view, select the desired item.
2. Press [Options] and select “Delete Item”.

The selected item is deleted from the list.

#### To Delete All Items

1. In the total view, select the desired item.
2. Press [Options] and select “Delete All”.

### Editing the Category Name



***“Organiser” → “Expenses Memo” → “Edit Category”***

1. Select the desired category name.
2. Modify the name.

## Phone Help (M 3-11)

You can view the help list and use it to guide you in the phone's functions.

***“Organiser” → “Phone Help”***

1. Press  or .

## **SIM Application (M 10)**

You can enjoy applications on the SIM card. Please contact your service provider for further details.

## **Settings (M 9)**

### **Profiles (M 9-1)**

The tone sound and vibration settings can be customised for each profile according to your environment.

There are 6 profiles: “Normal”, “Meeting”, “Activity”, “Car”, “Headset” and “Silent”.

#### **Activating a Profile**


**“Settings” → “Profiles”**

1. Select the desired profile.

#### **Note**

- *When a profile is set, the corresponding indicator described on page 18 is displayed during stand-by.*

#### **Tip**

- *Long press  to switch Profiles settings between the mode most recently activated and Silent mode during stand-by.*

#### **Customising Profiles**

**“Settings” → “Profiles”**

1. Highlight the profile you wish to customise.
2. Press [Options] and select “Personalise”.

3. Select the setting you wish to customise and change as desired.

For details on settings, see pages 109 to 112.

#### **Resetting Profile Settings**

**“Settings” → “Profiles”**

1. Highlight the profile you wish to reset.
2. Press [Options] and select “Set to Default”.
3. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “To Change the Handset Code” on page 124.

#### **Ringer Volume**

You can adjust the ringer volume to one of six levels or to an increasing volume.

**“Settings” → “Profiles”**

1. Highlight the profile you wish to customise.
2. Press [Options] and select “Personalise”.
3. Select “Volume”.

The current volume level is displayed.

4. Press ▲ (or ►) to increase the ringer volume or press ▼ (or ◀) to decrease the ringer volume and then press ●.

To select “Increasing Volume”, press ▲ (or ►) at level 5.

To select “Silent”, press ● (or ◀) at level 1.

### Tip

- You can select from two levels or an increasing volume, when selecting the “Silent” profile.

## Assigning a Ringtone

You can select the ringtone from 28 tones including 5 patterns, 13 sound effects and 10 melodies. You can also select a sound in Saved Sounds as the default ringtone excluding the AMR or WAVE format.

### “Settings” → “Profiles”

1. Highlight the profile you wish to customise.
2. Press [Options] and select “Personalise”.
3. Select “Ringtone/Ringvideos”.
4. Select “For Voice Call” or “For Video Call”.
5. Select “Assign Tone”.
6. Select “Preset Sounds” or “Sound Gallery”.

7. Highlight the ringtone you wish to use.

To hear the demo play, press [Options] and select “Play”.

8. Press [Options] and select “Assign”.

### Note

- Even if you delete a ringtone that uses a sound in Saved Sounds, the setting remains the same and the default ringtone sounds. If you delete a ringtone assigned for the ringtone, the default ringtone is set.

## Assigning a Ring Video Clip File

You can select a video clip file in Saved Videos as the default ring video clip file.

### “Settings” → “Profiles”

1. Highlight the profile you wish to customise.
2. Press [Options] and select “Personalise”.
3. Select “Ringtone/Ringvideos”.
4. Select “For Voice Call” or “For Video Call”.
5. Select “Assign Video”.
6. Highlight the ring video clip file you wish to use.  
To preview the file, press [Options] and select “Play”.
7. Press [Options] and select “Select”.

## Message Notification

When receiving messages, your phone will notify you of their arrival with the ringtone or ring video you specify.

### ***“Settings” → “Profiles”***

1. Highlight the profile you wish to customise.
2. Press [Options] and select “Personalise”.
3. Select “Ringtone/Ringvideos”.
4. Select “For New Message”.
5. Select “Assign Tone” or “Assign Video”.  
If “Assign Tone” is selected, select “Preset Sounds” or “Sound Gallery”.
6. Highlight the desired ringtone or ring video clip.  
For details on selecting a ringtone or a ring video, see “Assigning a Ringtone” on page 110 or “Assigning a Ring Video Clip File” on page 110.
7. Press [Options] and select “Assign” (for a ringtone) or “Select” (for a video clip).
8. Select “For New Message” and select “Duration”.
9. Enter the desired duration.

## Keypad Tones

When the keypad tone is set on, you will hear a confirmation tone each time you press any keys.

### ***“Settings” → “Profiles”***

1. Highlight the profile you wish to customise.
2. Press [Options] and select “Personalise”.
3. Select “System Sounds”.
4. Select “Keypad Tones”.
5. Highlight the desired tone pattern.
6. Press [Options] and select “Assign”.


## Vibration

When the vibrator option is set on, the phone will vibrate for incoming calls regardless of the ringer volume and ringtone settings.

### ***“Settings” → “Profiles”***

1. Highlight the profile you wish to customise.
2. Press [Options] and select “Personalise”.
3. Select “Vibration”.
4. Select “On”, “Link to Sound” or “Off”.

### Tip

- When the “Link to Sound” option is selected in step 4, the vibrator synchronises with your selected melody to pulse in time with the melody. Please note that not all melodies support the “Link to Sound” option.
- When you select “On” or “Link to Sound” in step 4, “ ” is displayed during stand-by.

### External Light Colour

You can select from 7 colours and 1 pattern for each profile and change it during an incoming call.




#### “Settings” → “Profiles”

1. Highlight the profile you wish to customise.
2. Press [Options] and select “Personalise”.
3. Select “External Light”.
4. Select “For Voice Call”, “For Video Call” or “For New Message”.
5. Select the desired colour or “Off”.

### Tip

- If you select “Disco” in step 5, all 7 colours flash in order during an incoming call.

### Any Key Answer

You can answer a call by pressing any key except , ,  and [Busy]. For details, see page 26.

#### “Settings” → “Profiles”

1. Highlight the profile you wish to customise.
2. Press [Options] and select “Personalise”.
3. Select “Any Key Answer”.
4. Select “On” or “Off”.

### Setting the Display (M 9-2)

You can change the settings of the main and sub displays.

#### Setting the Main Display


##### Wallpaper

For the stand-by screen, 3 default pictures are provided. Pictures taken with the digital camera or images downloaded from a WAP site can be used for wallpapers.



## Setting from Picture Gallery

**“Settings” → “Display Settings” → “Wallpaper”**

1. Select “Picture Gallery”.
2. Select the desired picture.
3. After displaying the picture, press .

### Note

- Some pictures cannot be used because of their picture and data types.
- If the picture in Picture Gallery is already set, it is displayed in step 1. Press [Change] and select the desired picture.

## Assigning the Pictures

Pictures can be displayed when turning the power on or off, when receiving an incoming call, or when operating the alarm.

Pictures taken with the digital camera or images downloaded from a WAP site can be used.


## To Set Built-in Pictures

**“Settings” → “Display Settings” → “Assign Pictures”**

1. Select the desired scene to set the picture to.  
Select “Pattern 1”, “Pattern 2” or “Pattern 3” when you select “Incoming Call” or “Alarm”.

## To Set Saved Pictures

**“Settings” → “Display Settings” → “Assign Pictures”**

1. Select the desired scene to set the picture to.
2. Select “Picture Gallery”.
3. Select the desired picture.
4. After displaying the picture, press .
5. Specify the area you wish to display using the navigation keys.

### Note

- Some pictures cannot be used because of their picture and data types.
- If the picture in Picture Gallery is already set, it is displayed in step 2. Press [Change] and select the desired picture.

## Setting the Greeting Message

You can set the message which is displayed when the phone is turned on.

**“Settings” → “Display Settings” → “Greeting Message” → “Switch On/Off”**

1. Select “On” or “Off”.
2. Select “Edit Message” and enter the message when you select “On” in step 1.

Up to 10 characters can be saved as a message.

## Showing the Clock

You can display the calendar or the current date and/or time during stand-by.

To Set the Clock Display

**“Settings” → “Display Settings” → “Clock & Calendar” → “Show Clock”**

1. Select the desired clock type or “Off” to set clock display off.

### Tip

- When you select “Calendar”, you can display one or two consecutive calendars by selecting “1 month” or “2 months”.

## Backlight

The backlight will shut off if you do not press the keypad for a certain length of time. You can specify a desired time to elapse before the backlight shuts off, which will help conserve battery life.

### Tip

- When you purchase this phone, Backlight is set to 15 seconds.

To Select the Backlight Time Out




**“Settings” → “Display Settings” → “Backlight”**

1. Select the desired time.  
Select “Off” to shut it off.

## Adjusting the Brightness of the Backlight

You can adjust the brightness of the backlight of the screen between 4 levels.

**“Settings” → “Display Settings” → “Brightness”**

1. Press  (Light) and  (Dark) for maximum clarity.
2. Press .

## Setting the Display Saving

The screen of this phone will automatically turn off after a given amount of time. You can change the length of time before the Display Saving goes into effect, which will help conserve battery life.

### Tip

- When you purchase this phone, Display Saving is set to 2 minutes.

**“Settings” → “Display Settings” → “Display Saving”**

1. Select the desired time.

### Note

- Display Saving does not work while you are making a call, using WAP, or using an application.
- To cancel the Display Saving: The display saving continues until either a key is pressed or there is an incoming alert. The first key press only cancels this function. You must press another key in order to enter any numerical or text value.

## Setting Video Out

With the optional cable, you can connect your phone to other device, such as TVs or videos set to output, and display images or video clips stored on your phone. It is also possible to output and display data stored in the memory card.

## To Set Output Function On

You need to connect your phone to the other device with the optional cable beforehand.

**“Settings” → “Display Settings” → “Video Output” → “Output” → “On”**

Select “Off” on the Output screen when finished.

### Note

- When closing your phone, you cannot output data to the connected device.
- It is not possible to output some images or video clips.

## To Select Display Size

You can display images in enlarged size.

**“Settings” → “Display Settings” → “Video Output” → “Display Size”**

1. Select “Enlarge”.

To display in original size, select “Original Size”.

## To Rotate Image

**“Settings” → “Display Settings” → “Video Output” → “Rotate Image”**

1. Select the desired item.

The image displayed on the device will rotate until the selected degree.

### To Select TV System

You need to select the appropriate TV system. Refer to the instruction manual of your connected device to confirm the TV system.

***“Settings” → “Display Settings” → “Video Output” → “TV System”***

1. Select the desired item.

### Setting the Sub Display

#### To Turn On/Off the Sub Display

You can turn the sub display on or off when the phone is closed.

***“Settings” → “Display Settings” → “Sub Display” → “Display On/Off”***

1. Select “On” to turn sub display on or “Off” to turn sub display off.

#### To Select the Backlight Time Out




***“Settings” → “Display Settings” → “Sub Display” → “Backlight”***

1. Select the desired time out.  
Select “Off” to shut the backlight off.

### To Adjust the LCD Contrast

You can adjust the LCD contrast to suit certain lighting conditions.

***“Settings” → “Display Settings” → “Sub Display” → “Contrast”***

1. Press  (Light) or  (Dark) to adjust the contrast and press .

The LCD contrast can be adjusted to 9 levels.

#### To Set Incoming Indication

Caller number or registered caller name can be displayed on the external display when receiving an incoming call.

***“Settings” → “Display Settings” → “Sub Display” → “Caller Display”***

Select “On” or “Off”.

### Sound Settings (M 9-3)

You can use this menu to check or edit the current Profiles settings (except “Any Key Answer”).



## Time & Date (M 9-4)

You need to set the correct time and date in order for your phone's various time-based functions to work correctly.

**“Settings” → “Time & Date” → “Set Date/Time”**

1. Enter the day, month and year using the digit keys.
2. Enter the time using the digit keys.

### Tip

- When you enter the time in the 12-hour format, press  or  to switch between am and pm. The order in which the date and time is displayed is based on the format setting.

## Selecting the Time Format

**“Settings” → “Time & Date” → “Time Format”**

1. Select “24 Hour” or “12 Hour”.

## Selecting the Date Format

**“Settings” → “Time & Date” → “Date Format”**

1. Select from “D-M-Y”, “M-D-Y” or “Y-M-D”.




## Setting the Daylight Saving

**“Settings” → “Time & Date” → “Daylight Saving”**

1. Select “On” or “Off”.




## Setting the Time Zone

**“Settings” → “Time & Date” → “Set Time Zone”**

1. Press  or  to select the home city to set.
2. Press .

## Customising the Time Zone

**“Settings” → “Time & Date” → “Set Time Zone” → [Options] → “Set Custom Zone”**

1. Enter the city name.
2. Enter the time-zone differences using the digit keys.  
Press  or  to switch between – and +.
3. Press .

## Setting the Calendar Format

**“Settings” → “Time & Date” → “Calendar Format”**

1. Select “Sunday-Saturday” or “Monday-Sunday”.

## Language Setting (M 9-5)

You can change the language that the phone uses to display messages.

**“Settings” → “Language”**

1. Select the desired language.

### Tip

- You can also change the input language on the text entry screen (p. 37).

### Note

- If you select “Automatic” in step 1, the language preset on the SIM card is selected.
- If the language preset on the SIM card is not supported, then the default language of the phone is selected.

## Call Settings (M 9-6)

Set various types of functions and services for voice calls.

### Diverts

#### Note

- This service may not be available on all mobile phone networks. Contact your network operator for more information.


This service is used to divert incoming calls to your voice mail system or to another phone number depending on certain conditions in which you cannot answer a call.

### To Divert Calls


**“Settings” → “Call Settings” → “Diverts”**

1. Select one of the following options:

- “All Calls”: Diverts all calls without ringing.
- “When Busy”: Diverts incoming calls when you are talking on the phone.
- “No Answer”: Diverts incoming calls if you do not answer a call within a certain period of time.
- “Not Reachable”:  
Diverts incoming calls when your phone has no network service or is switched off.
- “Cancel All”: Clears all the above settings.  
If you select “No Answer”, go to step 5.

2. Select “On”.
3. Enter a phone number to which you wish to divert calls or search for it in the Phonebook (p. 46).
4. Press .
5. Select the period of time from 6 levels (05 to 30 seconds).

### **Note**

- When a divert is set to “Voice calls” of “All Calls”, “” is displayed during stand-by.

### **Tip**

- If you select “By Service” in step 2, you can select further divert options.

### **To Check the Divert Status**

#### **“Settings” → “Call Settings” → “Diverts”**

1. Select the divert option you wish to check.
2. Select “Status”.

### **Call Waiting**

### **Note**

- This service may not be available on all mobile phone networks. Contact your network operator for more information.

If you wish to be able to receive another incoming call while you have a call in progress, you must activate the Call Waiting service.

#### **“Settings” → “Call Settings” → “Call Waiting”**

1. Select “On”, “Off” or “Status”.

### **Call Information**

With this setting On, the information of an incoming call is displayed.

#### **“Settings” → “Call Settings” → “Display Call Info”**

1. Select “On” or “Off”.

### **Restrict Calls**

This function lets you place restrictions on incoming and outgoing calls. To activate this option you will need the specified password, which is available from your service provider.

#### **“Settings” → “Call Settings” → “Restrict Calls”**

1. Select from one of the following options:
  - “Outgoing Calls”: Restricts outgoing calls.
  - “Fixed Dialling No.”: Restricts calls for fixed dialling numbers in the Phonebook.
  - “Incoming Calls”: Restricts incoming calls.
  - “Rejected Numbers”: You can register for dialling numbers to be restricted.

“Withheld Call”: Restricts withheld calls.  
“Change N/W Password”:

Changes the network password.

**2. Select one of the following options:**

(For “Outgoing Calls”)

“Bar All Outgoing Calls”: Restricts all outgoing calls except emergency calls.

“Bar International Calls”: Restricts all outgoing international calls.

“Only Local & Home”: Restricts all outgoing international calls except to your home country.

(For “Incoming Calls”)

“Bar All Incoming Calls”: Restricts all incoming calls.  
“Bar if Abroad”: Restricts all incoming calls when you are outside of the coverage from your registered network operator.

**3. Select one of the following options:**

(For “Outgoing Calls” and “Incoming Calls”)

“All Services”: Restricts all services.  
“Voice Calls”: Restricts all voice calls.  
“Video Calls”: Restricts all video calls.  
“Fax”: Restricts all fax calls.  
“Messages”: Restricts all messages.  
“All except msgs”: Restricts all services except messages.

**4. Select “On”, “Off” or “Status”.**

**5. Enter the network password.**

To Cancel Settings

**“Settings” → “Call Settings” → “Restrict Calls”**

**1. Select “Outgoing Calls” or “Incoming Calls”.**

**2. Select “Cancel All”.**

**3. Enter the network password.**



## Fixed Dialling No.

When the Fixed Dialling No. is enabled, you can only call pre-registered numbers.

To Enable Fixed Dialling No.

**“Settings” → “Call Settings” → “Restrict Calls” → “Fixed Dialling No.” → “Switch On/Off”**

1. Select “On” to enable this function.

To Add a New Name

**“Settings” → “Call Settings” → “Restrict Calls” → “Fixed Dialling No.” → “Edit Dial List”**

1. Highlight the blank entry, press [Options], then select “Add New Dial”.
2. Enter your PIN2 code.
3. Add a name and a phone number.

For details on adding a name and a phone number, see “Add New Contact” on page 45.

4. Press [Save].

## Rejecting an Incoming Call

You can register phone numbers you do not wish to answer.

To Reject the Registered Number

**“Settings” → “Call Settings” → “Restrict Calls” → “Rejected Numbers” → “Switch On/Off”**

1. Select “On” or “Off”.

To Register the Rejected Number

**“Settings” → “Call Settings” → “Restrict Calls” → “Rejected Numbers” → “Set Rejecting Number”**


1. Select a blank field.
2. Enter the desired number.

## Changing the Network Password

**“Settings” → “Call Settings” → “Restrict Calls” → “Change N/W Password”**

1. Enter the old network password.
2. Enter a new network password.
3. Enter the new network password again.

If you enter the incorrect password, you are asked to enter the password again.

4. Press .

## Minute Minder

Minute Minder function informs you of your talk time by sounding a tone after every minute.

*“Settings” → “Call Settings” → “Minute Minder”*

1. Select “On” or “Off”.

## Displaying Call Timer

*“Settings” → “Call Settings” → “Display Call Timer”*

1. Select “On” or “Off”.

## Auto Redial

*“Settings” → “Call Settings” → “Auto Redial”*

1. Select “On” or “Off”.

## Video Call Settings (M 9-7)

Set various types of functions and services for video calls.

### Selecting an Image for the Alternative Image

You can select your image to be sent through the internal camera from the saved picture files.

### Turning On or Off the Speakers

*“Settings” → “Video Call Settings”*

1. Select “Loud Speaker On” to turn on the loud speakers on the back of the phone, or select “Loud Speaker Off” to turn them off.

## Selecting the Picture Quality

Select the desired incoming data format for your environment.

*“Settings” → “Video Call Settings” → “Picture Quality”*

1. Select from “Normal”, “Quality Prior” or “Frame rate Prior”.

Select “Frame rate Prior” to perform faster communication.

## Backlight

With this setting On, the phone’s backlight is on when making a video call.

*“Settings” → “Video Call Settings” → “Backlight”*

1. Select “On”, “As Normal Setting” or “Off”.

The “As Normal Setting” option depends on the backlight setting of the main display (p. 114).

## Mute

You can mute the microphone while making a video call.

*“Settings” → “Video Call Settings” → “Mute Microphone”*

1. Select “Unmute Microphone” to cancel the mute.

## Assigning Hold Guidance Picture

You can display an image saved in the phone on your main display while you are putting a call on hold.

***“Settings” → “Video Call Settings” → “Hold Guidance Pict”***

1. Select “Preset Picture” or “Picture Gallery”.
2. Select the desired picture.

## Security (M 9-8)

### Enabling/Disabling the PIN Code

If the PIN code is enabled you are asked to enter the PIN code each time the phone is switched on. Your PIN code is registered on the SIM card and you should have been made aware of the code when you purchased the SIM card. Contact your service provider for further details.

***“Settings” → “Security Settings” → “PIN Entry” → “Switch On/Off”***

1. Select “On” to enable the PIN code or “Off” to disable.
2. Enter your PIN code.

### Note

- *If you enter the wrong PIN code three times in step 2, the SIM card will lock. To remove the lock, contact your service provider/SIM card vendor.*

### To Change the PIN Code

This allows you to change the PIN code registered on the SIM card. Before you change the PIN code, select “On” in step 1 in “Enabling/Disabling the PIN Code”.

***“Settings” → “Security Settings” → “PIN Entry” → “Change PIN”***

1. Enter the existing PIN code.
2. Enter a new PIN code.
3. Enter the new PIN code again.

## Changing the PIN2 Code

The PIN2 code is used to protect certain functions in the phone such as Fixed Dialling No. and call cost limits. The following shows you how to change the PIN2 code.

***“Settings” → “Security Settings” → “Change PIN2”***

1. Enter the existing PIN2 code.
2. Enter a new PIN2 code.
3. Enter the new PIN2 code again.

## Handset Lock

The Handset Lock is an additional security feature which prevents unauthorised use of the phone or certain features.

***“Settings” → “Security Settings” → “Handset Lock”***

1. Select “On” or “Off”.
2. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “To Change the Handset Code”.

## To Change the Handset Code

Before you change the handset code, select “On” in step 1 in “Handset Lock”.

***“Settings” → “Security Settings” → “Change Handset Code”***

1. Enter the old handset code.
2. Enter a new handset code.
3. Enter the new handset code again.

## Phone Lock

By setting this option on, your phone will lock the keypad until the correct handset code is entered.

***“Setting” → “Security Setting” → “Phone Lock”***

1. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “To Change the Handset Code”.

## To Turn Off the Phone Lock

Enter your handset code during stand-by to turn the Phone Lock off.

## Showing Secret Data

By setting this option on, the hidden data can be displayed.

***“Settings” → “Security Settings” → “Show Secret Data”***

1. Select “On” to display or “Off” to hide.

## Memory Settings (M 9-9)

### Viewing the Memory Status

***“Settings” → “Memory Settings” → “Memory Status”***

1. Select from “Handset” or “Memory Card”.  
The memory status of the selected item is displayed.

### Formatting Memory Card

***“Settings” → “Memory Settings” → “Format Card”***

1. Enter your handset code.  
The default handset code is “9999”. For details on changing the handset code, see “To Change the Handset Code” on page 124.
2. Press [Yes] to start formatting.

## Master Reset (M 9-10)

You can reset some of the settings or all the settings from M1 to M12.

### Resetting some of the settings

***“Settings” → “Master Reset” → “Reset Settings”***

1. Enter your handset code.  
The default handset code is “9999”. For details on changing the handset code, see “To Change the Handset Code” on page 124.

### Resetting All Settings from M1 to M12

***“Settings” → “Master Reset” → “Reset All”***

1. Enter your handset code.  
The default handset code is “9999”. For details on changing the handset code, see “To Change the Handset Code” on page 124.

## Call Log (M 11)



The phone will record the last 10 missed calls, received calls and dialled numbers.

### Viewing Call Log


#### *“Call Log”*

1. Select from “All Calls”, “Dialled Numbers”, “Missed Calls” or “Received Calls”.


The selected call log list is displayed.

To switch logs, press  or .

2. Select the phone number you wish to view.

If you wish to dial the number, press .

#### *Tip*

- You can also confirm call logs by pressing  during stand-by.

### Sending Messages

1. In the call log list, highlight the call log you wish to send a message to.

2. Press [Options] and select “Create Message”.

For details on creating a message, see “Creating a New Message” on page 61.

### Deleting a Call Log

1. In the call log list, press [Options] and select “Delete”.

## Call Timers (M 11-5)

This function lets you check the duration of your calls.

### Checking the Duration of the Last Call and All Calls

#### *“Call Log” → “Call Timers”*

1. Select “Received Calls” or “Dialled Numbers”.

The duration of the last call and all calls is displayed.

### Resetting Call Timers

#### *“Call Log” → “Call Timers” → “Clear Timers”*

1. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “To Change the Handset Code” on page 124.

## Call Costs (M 11-6)

This function lets you check the charges for your calls.

**Some networks do not support Charging Advice.**

**Please check with your service provider for availability.**

### Checking the Cost of the Last Call

**“Call Log” → “Call Costs” → “Last Call”**

The cost of the last call is displayed.

### Checking the Total Call Cost

**“Call Log” → “Call Costs” → “All Calls”**

The cost of all calls is displayed.

### Setting the Charge Rate

Set the charge rate to calculate the call cost and set the maximum limit for call cost.

**“Call Log” → “Call Costs” → “Cost Units” → “Set Units”**

1. Enter your PIN2 code.
2. Enter a currency unit (up to 3 characters).
3. Enter a cost per unit.

To enter a decimal point, press **[#.x]**.

### Setting the Charge Limit

This function is useful if you wish to make sure you do not exceed a certain charge limit.

**“Call Log” → “Call Costs” → “Max Cost” → “Set Limit”**

1. Enter your PIN2 code.
2. Enter a value.

### Checking the Residual Credit

**“Call Log” → “Call Costs” → “Residual Credit”**

### Resetting All Call Costs

**“Call Log” → “Call Costs” → “Clear Costs”**

1. Enter your PIN2 code.

## **Connectivity (M 12)**

By configuring the settings in this menu, you can connect to *Bluetooth* wireless technology or infrared enabled phones via these connections, as well as a PC via *Bluetooth* wireless technology or infrared connections.

### **Bluetooth (M 12-1)**


For using the *Bluetooth* wireless function, you need to search for other *Bluetooth* wireless technology enabled devices to establish contact with your phone. Keep your phone within a distance of 10 metres before searching.

#### **Using the Bluetooth Wireless Function**

To Turn On or Off

**“Connectivity” → “Bluetooth” → “Switch On/Off”**

1. Select “On” or “Off”.

The *Bluetooth* wireless setting is activated, and “” is displayed.

To Show or Hide Your Phone

**“Connectivity” → “Bluetooth” → “Visibility”**

1. Select the desired visibility settings.

“Show My Phone”: Allows other devices to recognise your phone.

“Hide My Phone”: Hides your phone from other devices.

To Search for Devices to be Paired

**“Connectivity” → “Bluetooth” → “Search for Devices”**

The phone starts searching for devices within 10 metres. A maximum of 16 devices can be searched for and listed on the displayed.

1. Select the desired device for pairing.
2. Enter the device passcode.

#### **Note**

- *If the Bluetooth wireless function is off before searching, the phone turns the Bluetooth wireless function on automatically and starts searching.*
- *You can only select one device for pairing. To change the paired device, see “Handsfree Devices”.*

#### **Handsfree Devices**

You can activate, rename and delete the paired handsfree device in the list.



### To Activate a Device

**“Connectivity” → “Bluetooth” → “Handsfree Devices”**

1. Select the device you wish to activate.

#### **Tip**

- *You can save battery power by turning the Bluetooth wireless function off while it is not in use. Turn the Bluetooth wireless function off in “To Turn On or Off” on page 128 or in “To Turn Off Automatically” on page 130.*
- *During a call, you can divert voice calls to the paired device. Press [Options] and select “Enable Bluetooth” or “Disable Bluetooth”. If you wish to disconnect the paired device, select “Off”.*

### To Rename a Device

**“Connectivity” → “Bluetooth” → “Handsfree Devices”**

1. Highlight the device you wish to rename.
2. Press [Options] and select “Change Name”.
3. Rename the device.

### To Clear a Device Name

**“Connectivity” → “Bluetooth” → “Handsfree Devices”**


1. Highlight the device you wish to clear.
2. Press [Options] and select “Delete”.

### Paired Devices

You can rename and delete the paired device in the list.

**“Connectivity” → “Bluetooth” → “Paired Devices”**

1. Highlight the desired device.
2. Press [Options].
3. Select “Change Name” or “Delete”.

You can rename or delete by pressing  after selecting desired device.

### To Send All Data to Other Devices

You can send all the data for applications such as Phonebook, Calendar, Tasks or etc. to selected devices.

**“Connectivity” → “Bluetooth” → “Send All”**

1. Select the desired device.

If a device is not specified, searching starts automatically.

2. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “To Change the Handset Code” on page 124.

3. Enter the device passcode for unpaired devices.
4. Select the desired data to send.

#### **Note**

- *If the handsfree device is connected, the confirmation screen to deactivate the handsfree function is displayed. Press [Yes] to deactivate.*

### **Bluetooth Wireless Settings**

With this setting you can rename your phone, prevent other phones from recognising your phone, turn the *Bluetooth* wireless function off automatically to save battery power, etc.

#### **To Rename Your Phone**

You can rename your phone. The name is shown in other devices when your phone is detected.

**“Connectivity” → “Bluetooth” → “Bluetooth Settings” → “Device Name”**

1. Enter the new device name.

#### **To Turn Off Automatically**

**“Connectivity” → “Bluetooth” → “Bluetooth Settings” → “Bluetooth Timeout”**

1. Select the desired time.

Your phone turns the function off automatically in the specified time.

#### **To Switch the Handsfree Settings**

You can switch modes of the handsfree kit between two modes; talking with the handsfree kit or talking with the phone.

**“Connectivity” → “Bluetooth” → “Bluetooth Settings” → “Handsfree Setting”**

1. Select “Private mode” or “Handsfree mode”.

“Private mode”: For talking with the handset

“Handsfree mode”: For talking with the handsfree kit


## Infrared (M 12-2)

In order to use the infrared function, you need to search for other infrared enabled devices to establish contact with your phone. Keep your phone within a distance of 20 centimetres before searching. The infrared setting will return to off when no data is transmitted/received via infrared communication.

### Turning On or Off

***“Connectivity” → “Infrared” → “Switch On/Off”***

1. Select “On” or “Off”.

The infrared setting is activated, and “” is displayed.

### Sending All Data

***“Connectivity” → “Infrared” → “Send All”***

1. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “To Change the Handset Code” on page 124.

2. Select the desired data to send.
3. Enter the authorisation code.

## Network Settings (M 12-3)

### System Settings

To Select a System Automatically

Each time the power is turned on, your phone always performs the selected system.

***“Connectivity” → “Network Settings” → “System Settings”***

1. Select “Auto”.

To Set the System Manually

***“Connectivity” → “Network Settings” → “System Settings”***

1. Select “GSM”.

### Network Settings

To Select a Network Automatically

Each time the power is turned on, your phone always tries to connect to the preferred network.

If your phone is not connected to the network, you can perform the following immediately to establish the preferred network connection.

***“Connectivity” → “Network Settings” → “Network Settings” → “Select Network” → “Automatic”***


### To Set the Network Manually


***“Connectivity” → “Network Settings” → “Network Settings” → “Select Network” → “Manual”***

1. Select the desired network.

### To Add a New Network

***“Connectivity” → “Network Settings” → “Network Settings” → “Select Network” → “Add New Network”***

If there are no entries, press  and go to step 2.

If there is an entry, press  and perform the following steps.

1. Select “Add”.
2. Enter the country code.  
Up to 3 digits code can be entered.
3. Enter the network code.  
Up to 3 digits code can be entered.
4. Enter a new network name.  
Up to 25 characters can be entered.
5. Select “Select network type”.
6. Select the desired network.

### To Change the Position of a Network in the Preferred List

***“Connectivity” → “Network Settings” → “Network Settings” → “Select Network” → “Set Preferred”***

1. Select the name of the network you wish to change the position in the list.
2. Select “Insert” to insert over the selected position or “Add to end” to insert at the end.

### To Delete a Network from the Preferred List

***“Connectivity” → “Network Settings” → “Network Settings” → “Select Network” → “Set Preferred”***

1. Select the name of the network you wish to delete.
2. Select “Delete”.

### To Cut the Network Connection

***“Connectivity” → “Network Settings” → “Network Settings” → “Off Line Mode”***

1. Select “On” or “Off”.

### To Show the Network Information

***“Connectivity” → “Network Settings” → “Network Settings” → “Network Information”***

Information about the operator name, package and services are displayed.

## Internet Settings (M 12-4)

### Note

- In normal operations, you do not need to change the settings.
- Internet settings have already been made in your phone depending on your network operator. You may have restrictions on viewing, deleting, copying or modifying the settings. Contact your network operator for details.

**“Connectivity” → “Internet Settings” → “Proxy”**

### Proxy

“Proxy Name”:	Proxy name (Unique name)
“Proxy Address”:	IP address of Proxy server
“Access Point”:	Access point
“Home”:	Home page URL
“Port Number”:	Port number (1-65535)
“Authentication Type”:	Authentication Type (“HTTP-BASIC” or “HTTP-DIGEST”)
“User Name”:	User name for authentication
“Password”:	Password for authentication

**“Connectivity” → “Internet Settings” → “Access Point”**

### Access Point

“Access Point Name”:	Access point name (Unique name)
“APN”:	APN setting
“Authentication Type”:	Authentication type (“NONE”, “PAP” or “CHAP”)
“User Name”:	User name for access point
“Password”:	Password for access point
“DNS”:	DNS setting
“Linger Time”:	Linger time setting

**“Connectivity” → “Internet Settings” → “Re-Provisioning Settings”**

### Re-Provisioning Settings

“Execute Pending”: Updates provisioning data.

**“Connectivity” → “Internet Settings” → “Clear DNS Cache”**

Clears the DNS cache.

## Application Settings

**“Connectivity”** → **“Internet Settings”** →  
**“Application”**

### WAP Settings

“Profile Name”: WAP profile name (Unique name)

“Proxy”: Proxy setting for WAP

### MMS Settings

“Profile Name”: MMS profile name (Unique name)

“Proxy”: Proxy setting for MMS

“Relay Server URL”: MMS relay server

### Email Settings

“Account Name”: Email account name (Unique name)

“POP3”: Server name, user ID, password and port number for POP3 server

“SMTP”: Server name, user ID, password, port number for SMTP server and SMTP Authentication

“Access Point”: Access point for email

“Email Address”: Email address

## Streaming Settings

“Profile Name”: Profile name for streaming (Unique name)

“Proxy Address”: Proxy address

“Proxy Port Number”: Port number (1-65535)

“Access Point”: Access point

### To Activate the WAP/MMS/Email/Streaming Profile

**“Connectivity”** → **“Internet Settings”** →  
**“Application”**

1. Select “WAP Settings”, “MMS Settings”, “Email Settings” or “Streaming Settings”.
2. Highlight the desired profile.
3. Press [Options] and select “Activate”.

To Edit the WAP/MMS/Email/Streaming Profile  
***“Connectivity” → “Internet Settings” → “Application”***

1. Select “WAP Settings”, “MMS Settings”, “Email Settings” or “Streaming Settings”.
2. Highlight the desired profile.
3. Press [Options] and select “Edit”.
4. Edit the desired item.

To Copy the WAP/MMS/Email/Streaming Profile  
***“Connectivity” → “Internet Settings” → “Application”***

1. Select “WAP Settings”, “MMS Settings”, “Email Settings” or “Streaming Settings”.
2. Highlight the desired profile.
3. Press [Options] and select “Copy”.
4. Edit the new profile name.

To Delete the WAP/MMS/Email/Streaming Profile  
***“Connectivity” → “Internet Settings” → “Application”***

1. Select “WAP Settings”, “MMS Settings”, “Email Settings” or “Streaming Settings”.
2. Highlight the desired profile.
3. Press [Options] and select “Delete”.
4. Press [Yes].

## **Backup/Restore (M 12-5)**

With a memory card inserted in your phone, you can make backup files of Bookmarks, Text, Phonebook, Calendar and Tasks in the handset memory to the memory card. You can also restore the backup data from the memory card.

## **Making a Backup File on the Memory Card**

***“Connectivity” → “Backup/Restore” → “Backup”***

1. Enter your handset code.  
The default handset code is “9999”. For details on changing the handset code, see “To Change the Handset Code” on page 124.
2. Press [OK].
3. Select the desired item to backup.

### **To Backup All Files**

***“Connectivity” → “Backup/Restore” → “Backup”***

1. Enter your handset code.
2. Press [OK].
3. Select “Select All”.

## **Restoring a Backup File**

***“Connectivity” → “Backup/Restore” → “Restore”***

1. Enter your handset code.
2. Press [OK].
3. Select the desired item.
4. Select the desired file to restore.  
A confirmation message indicates deletion from the memory card is displayed on the screen.
5. Press [Yes].

### **To Restore All Files**

***“Connectivity” → “Backup/Restore” → “Restore”***

1. Enter your handset code.
2. Press [OK].
3. Select “Select All”.  
A confirmation message indicating deletion from the memory card is displayed on the screen.
4. Press [Yes].

### **To Delete a Backup File**

***“Connectivity” → “Backup/Restore” → “Restore”***

1. Enter your handset code.
2. Press [OK].
3. Select the desired item.
4. Highlight the desired file.
5. Press [Options] and select “Delete”.  
A confirmation message to delete the selected file is displayed on the screen.
6. Press [Yes].



## **Connecting SX813 to Your PC**

You can use the following functions by connecting the SX813 to your PC using an infrared port, USB port\* or *Bluetooth* wireless technology port:

- 3G/GSM GPRS modem
- Handset Manager for SX813
- \* Requires an optional USB data cable XN-1DC30 for USB port connection.

## **System Requirements**

Operating System:

- Windows® 98\*, Windows® Me, Windows® 2000\*\*, Windows® XP\*\*\*
- \* Windows® 98 Second Edition, Windows® 98 Service Pack 1 with Internet Explorer 5.01 or later
- \*\* Service Pack 4
- \*\*\* Service Pack 1a

Supported Software:

Microsoft® Outlook/Outlook Express

Interface:

Infrared port, USB port or *Bluetooth* wireless port  
CD-ROM drive

## **3G/GSM GPRS Modem**

You can use SX813 as a 3G/GSM GPRS modem to access the Internet from your PC. Connect your phone to your PC via *Bluetooth* wireless technology or USB interface. Software installation on your PC is required. For details, see “Software Installation” on page 138.

### **Modem via the USB Cable**

To use the modem function using a USB cable, use the cable mentioned above and see the instructions accompanying the cable.

### **Modem via Bluetooth connection**

To use the modem function via *Bluetooth* wireless technology interface, see “Using the Bluetooth Wireless Function” on page 128 and turn the modem function on.

For details on software support, refer to the following site:

<http://www.sharp-mobile.com>

### **Note**

- *Modem communication is not possible while communicating with the Handset Manager via Bluetooth wireless technology, infrared or USB interface.*
- *Your phone exhausts the battery when connected to a PC, even when not communicating.*

## **Handset Manager**

You can transmit the following items between your phone and your PC, and can use Phonebook entries on your PC:

- Gallery files (pictures/sounds/video clips/Other Documents data)
- Phonebook entries
- Schedule entries

For details on software support, refer to the following site:

<http://www.sharp-mobile.com>

## **Software Installation**

1. Insert the CD-ROM (purchase separately) into your CD-ROM drive.

The SX813 CD-ROM screen is displayed.

If the SX813 CD-ROM screen is not displayed, double-click [Launcher.exe] in your CD-ROM.

2. Press the desired button.

The installation starts.

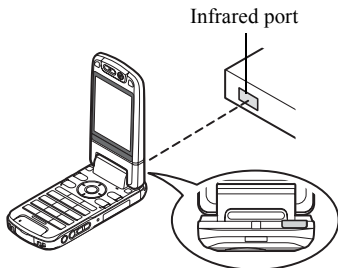
3. Follow the on-screen instructions to complete installation.

### **Note**

- *The phone may not recognise the USB data cable if it is connected while an application (Camera, Gallery, etc.) is running. Connect the USB data cable during stand-by.*

### ***Infrared communication***

- *Infrared ports need to be aligned with each other.*



- *Applications (Camera, Gallery, etc.) do not run when the phone is connected to the PC via Bluetooth wireless technology interface, infrared port or USB data cable.*

- *Infrared ports need to be placed within 20 cm of each other and within a 30° angle.*

### ***3G/GSM GPRS modem***

- *It is not recommended that you make or answer calls when you are using SX813 as a 3G/GSM GPRS modem. The operation may be interrupted.*

### ***Handset Manager***

- *Some large files may not be able to be transmitted from the PC to the phone.*

## Troubleshooting

Problem	Solution
The phone does not turn on.	<ul style="list-style-type: none"><li>• Make sure the battery is properly inserted and charged.</li></ul>
PIN code or PIN2 code is rejected.	<ul style="list-style-type: none"><li>• Make sure you have entered the correct code (4 to 8 digits).</li><li>• Your SIM card/protected functions will become locked after three unsuccessful attempts.</li><li>• Contact your SIM provider if you do not have the correct PIN code.</li></ul>
The SIM card becomes locked.	<ul style="list-style-type: none"><li>• Enter the PUK code (8 digits) provided by your service provider (if supported).</li><li>• If the attempt is successful, enter the new PIN code and confirm your phone is operational again. Otherwise contact your dealer.</li></ul>

Problem	Solution
The display is difficult to read.	<ul style="list-style-type: none"><li>• Adjust the backlight brightness for the display.</li></ul>
Phone functions do not work after the phone is turned on.	<ul style="list-style-type: none"><li>• Check the radio signal strength indicator as you may be outside the service area.</li><li>• Check to see if any error message is displayed when you turn your phone on. If so, contact your dealer.</li><li>• Make sure the SIM card is correctly inserted.</li></ul>

Problem	Solution
Calls cannot be made or received.	<ul style="list-style-type: none"> <li>• If the message “SIM card error” is displayed when the phone is switched on, you cannot use your SIM card or the SIM card is damaged. Contact your dealer or network service provider.</li> <li>• Check your call barring, fixed dialling setting, remaining battery and call forwarding settings.</li> <li>• Check if your phone is currently performing data communication using Infrared (IrDA), <i>Bluetooth</i> wireless technology interface or a USB data cable.</li> <li>• Check the remaining balance if you are using a pre-paid SIM card.</li> </ul>
Call quality is poor.	<ul style="list-style-type: none"> <li>• Your current location may not provide good call quality (i.e., in a car or train). Move to a location where radio signal strength is greater.</li> </ul>

Problem	Solution
Cannot access network service.	<ul style="list-style-type: none"> <li>• Check where your account has been registered and where the service is available.</li> </ul>
Cannot send or receive text message.	<ul style="list-style-type: none"> <li>• Make sure you are correctly subscribed for the Short Message Service, that the network supports this service, and that the centre number is set up correctly. If not, contact your network service provider.</li> </ul>
Cannot connect to Multimedia Messaging Service provider.	<ul style="list-style-type: none"> <li>• MMS settings and configuration may be missing or incorrect or the network does not support it. Check your service provider's access point number. Contact your service provider to confirm the correct settings.</li> </ul>
Limited memory available.	<ul style="list-style-type: none"> <li>• Delete any unnecessary data.</li> </ul>

Problem	Solution
Call is terminated unexpectedly.	<ul style="list-style-type: none"> <li>• Magnetised objects such as health necklaces placed near the phone may terminate the call. Keep your phone away from such objects.</li> </ul>
No entries are displayed in the Phonebook.	<ul style="list-style-type: none"> <li>• Confirm that the Source setting (Handset or SIM) is made correctly.</li> </ul>
Fax transmission failure	<ul style="list-style-type: none"> <li>• Before transmitting fax data, configure your fax software to use the software flow control.</li> <li>• Use of the optional data cable is recommended for transmitting fax data.</li> </ul>
Cannot receive OBEX data.	<ul style="list-style-type: none"> <li>• The OBEX data can only be received only during stand-by. The message "Please return to stand-by." is displayed.</li> </ul>

## **Safety Precautions and Conditions of Use**

Your phone conforms to international regulations insofar as it is used under normal conditions and in accordance with the following instructions.

### **Conditions of Use**

#### **Electromagnetic waves**

- Do not switch on your phone aboard an aircraft (as your phone may interfere with the aircraft's electronic systems). Current legislation forbids this use and legal action can be taken against the user.
- Do not switch on your phone in a hospital, except in designated areas.
- Use of your phone's function may affect the performance of medical electronic units (pacemakers, hearing aids, insulin pumps, etc.). When the phone function is on, do not bring it near medical equipment or into areas in which medical equipment is being used. If you have a hearing aid or a pacemaker, only use the phone on the opposite side of your body from where it is located. The phone should be kept at least 6 inches (15.24 cm) from a pacemaker ANYTIME the phone is switched on.

- Do not switch on your phone near gas or flammable substances.
- Observe the rules concerning the use of mobile phones at gasoline stations, chemical plants and at all sites where a risk of explosion exists.

#### **Caring for your phone**

- Do not allow children to use your phone without supervision.
- Do not open or attempt to repair your phone yourself. The product can only be repaired by authorised service personnel.
- Do not drop your phone or subject it to severe impacts. Bending the body and pushing the display or keys with extreme force could damage the phone.
- Do not use solvents to clean your phone. Use only a soft, dry cloth.
- Do not carry your phone in your back pocket as it could break when you sit down. The display is made of glass and is particularly fragile.
- Avoid touching the external connector on the underside of the phone, since the delicate components within can be damaged by static electricity.

## **Battery**

- Use your phone only with batteries, chargers and accessories recommended by the manufacturer. The manufacturer disclaims any liability for damage caused by the use of other chargers, batteries or accessories.
- **Network configuration and phone usage will affect talk-time and stand-by time.**  
Using the games or camera will hasten battery consumption.
- **When the battery charging alert is displayed on the screen, charge the battery as soon as possible.** If you continue using your phone ignoring the alert, the phone may cease to function, and all data and settings you have stored may be lost at any moment.
- Before removing the battery from the phone, make sure the phone is switched off.
- Replace and charge the new battery as soon as possible after removing the old one.
- Do not touch the battery terminals. Batteries can cause damage, injury or burns if a conductive material touches exposed terminals. When the battery is detached from the phone, use a cover made of non-conductive material for keeping and carrying the battery safely.

- Recommended temperature for using and storing batteries is approximately 20°C.
- The batteries' performance is limited in low temperatures, particularly below 0°C and the phone may not work temporarily regardless of the amount of remaining battery power.
- Exposing the phone to extreme temperatures will shorten battery life.
- The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time (talk-time and stand-by time) is noticeably shorter than normal, it is time to buy a new battery.

### **CAUTION**

RISK OF EXPLOSION IF BATTERY IS REPLACED  
BY AN INCORRECT TYPE,  
DISPOSE OF USED BATTERIES ACCORDING  
TO THE INSTRUCTIONS

See "Battery Disposal" on page 13.



### **Aerial Care**

- Do not cover the top of the phone (p. 10, No. 21) with your hand when in use as this may interfere with the performance of the built-in aerial. Call quality may deteriorate leading to shortened talk-time and stand-by time because the mobile phone has to operate on a higher power level than is necessary.
- Use only the aerial supplied or one approved by Sharp for your mobile phone. Using unauthorised or modified aerials may damage the mobile phone. Moreover, since the mobile phone may violate the appropriate regulations, it may lose performance or exceed the limitation of SAR levels.
- To avoid impaired performance, do not damage the aerial of the mobile phone.
- While talking directly to the microphone, please hold the mobile phone so that the aerial is upwards over your shoulder.
- To avoid interfering with blasting operations, please turn off the mobile phone in a blasting area or in a place where a “turn off two-way radio” sign is posted.

### **Camera Operation**

- Learn picture quality, file formats, etc. beforehand. The taken pictures can be saved in JPEG format.
- Be careful not to move your hand while taking pictures.  
If the phone moves while taking a picture, the picture can become blurred. When taking a picture, hold the phone firmly to prevent it from moving, or use the delay timer.
- Clean the lens cover before taking a picture. Fingerprints, oils, etc. on the lens cover hinder clear focusing. Wipe them off with a soft cloth before taking a picture.

### **Others**

- As with any electronic storage unit, data may be lost or corrupted under various circumstances.
- Before connecting the phone with a PC or a peripheral unit, read the operation manual for the other unit carefully.

- If the phone's battery has been removed for some time, or the phone has been reset, the unit's clock and calendar may be reinitialised. The date and time should be updated in this case.

## **Environment**

- Keep your phone away from extreme heat. Do not leave it on the dashboard of a car or near a heater. Do not leave it in any place that is extremely damp or dusty.
- Since this product is not waterproof, do not use it or store it where fluids such as water can splash onto it. Raindrops, water spray, juice, coffee, steam, perspiration, etc. will also cause malfunctions.

## **Precautions Concerning Vehicle Use**

- It is the user's responsibility to check the local laws governing the use of a mobile phone in vehicles. Pay full attention to driving. Pull off to the side of the road, park the car, and switch off the engine before making or answering a call.
- Use of your phone's function may interfere with the vehicle's electronic systems, such as the ABS anti-lock brakes or the air-bag. To ensure no such problem occurs, please check with your dealer or car manufacturer before connecting your phone.
- Only allow qualified service maintenance personnel to install the vehicle accessories.

The manufacturer disclaims any liability for damage which may result as a consequence of improper use or use contrary to the instructions contained herein.

## SAR

Your Sharp mobile phone has been designed, manufactured and tested so as not to exceed the limits for exposure to electromagnetic fields recommended by the Council of the European Union. These limits are part of comprehensive guidelines developed by independent scientific organisations. The guidelines include a substantial safety margin designed to assure the safety of the phone user and others and to take into account variations in age and health, individual sensitivities and environmental conditions. European standards provide for the amount of radio frequency electromagnetic energy absorbed by the body when using a mobile phone to be measured by reference to the Specific Absorption Rate (SAR). The SAR limit for the general public is currently 2 watts per kilogram averaged over 10 grams of body tissue. Your Sharp mobile phone SAR value is 0.638 watts per kilogram. This has been tested to ensure that this limit is not exceeded even when the phone is operating at its highest certified power. In use however your Sharp mobile phone may operate at less than full power because it is designed to use only sufficient power to communicate with the network.

## Precautions for Use in USA

### FCC Declaration of Conformity

This mobile phone SX813 with PC/Data interface cable XN-1DC30 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.

Responsible Party:

SHARP ELECTRONICS CORPORATION

Sharp Plaza, Mahwah, New Jersey 07430

TEL: 1-800-BE-SHARP

Tested To Comply With FCC Standards  
FOR HOME OR OFFICE USE



### FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

## **Information To User**

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient/Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

**CAUTION:** Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

## **Exposure to Radio Waves**

### **THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.**

Your wireless phone 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. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations 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 mobile phones 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.\* Tests for SAR are conducted using standard operating positions specified by the FCC with

the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. 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 phone when tested for use at the ear is 0.530 W/kg and when worn on the body, as described in this user guide, is 0.386 W/kg.

**Body-worn Operation;** This device was tested for typical body-worn operations with the back of the phone 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 phone. The use of belt-clips, 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. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID APYHRO00038.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) web-site at <http://www.phonefacts.net>.

\* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

## **Out of Warranty List**

This limited warranty shall not apply in respect of the following:

- (i) Any deterioration due to normal wear and tear including all plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.
- (ii) Defects caused by the Product being subjected to any of the following: use in contradiction with the user guide, rough handling, exposure to moisture, dampness or extreme thermal or environmental conditions or rapid changes in such conditions, corrosion, oxidation, unauthorised modifications or connections, unauthorised opening or repair, repair by use of unauthorised spare parts, misuse, improper installation, accident, forces of nature, spillage of food or liquid, influence from chemical products or other acts beyond Sharp's reasonable control (including but not limited to lifetime, and breakage of or damage to antennae) unless the defect was caused directly by defects in materials or workmanship.
- (iii) Products in respect of which the product serial number or the IMEI number has been removed, erased, defaced, altered or made illegible.

- (iv) Defects caused by the fact that the Product was used with or connected to a products or an accessory not manufactured or supplied by Sharp or was used other than for its intended use.
- (v) Defects caused by a defective function of the cellular network.
- (vi) Defects caused by the fact that the battery was short-circuited or seals of the battery enclosure or cells were broken or show evidence of tampering or the battery was used in equipment other than for which it has been specified.
- (vii) Defects caused by the need to upgrade Products software due to changes in cellular network parameters.
- (viii) Products operated outside published maximum ratings.
- (ix) Products rented on a monthly basis.

### **Charger Plug:**

Do not use the AC Charger if the plug does not fit the socket.

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