

Introduction

Congratulations and thank you for choosing the GX12.

About This User Guide

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

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Useful functions and services of the phone

Your phone offers you the following features:

- The built-in digital camera can take pictures.
- Create and read SMS.
- Multimedia Messaging Service (MMS) can personalise your phone in various ways: you can send and receive multimedia messages with graphical images, photographs or sound attached.
- WAP browser helps you to access a variety of information on the mobile Internet.
- You can play with Java™ applications. You can also download various kinds of Java™ applications from SmarTone via the mobile Internet.
- The main display of colour TFT-LCD makes the screens clearer, more beautiful and easier to view.
- Sub-Screen allowing you to see who is calling and new message indicators.
- You can create the various melodies for your original ringing tones using up to 16 chords.
- Voice memo function allows you to record and play back your vocal message.

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Your Phone

Please check the following carefully. Your phone should come complete with:

- GSM 900/1800 GPRS phone
- Rechargeable Li-ion battery
- AC charger
- Hands free
- CD-ROM
- User guide

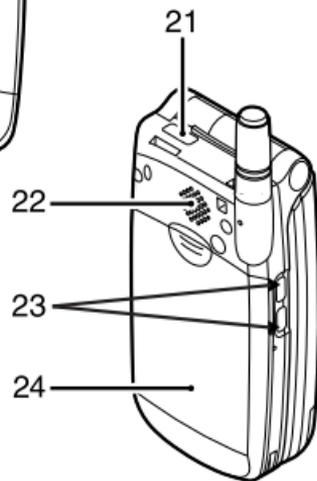
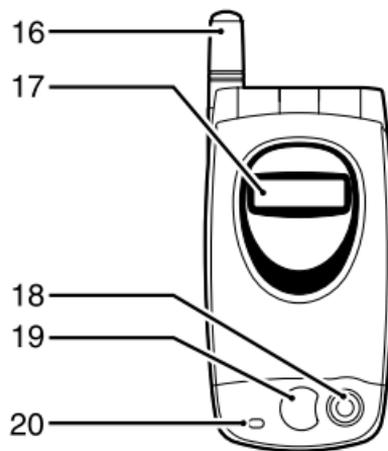
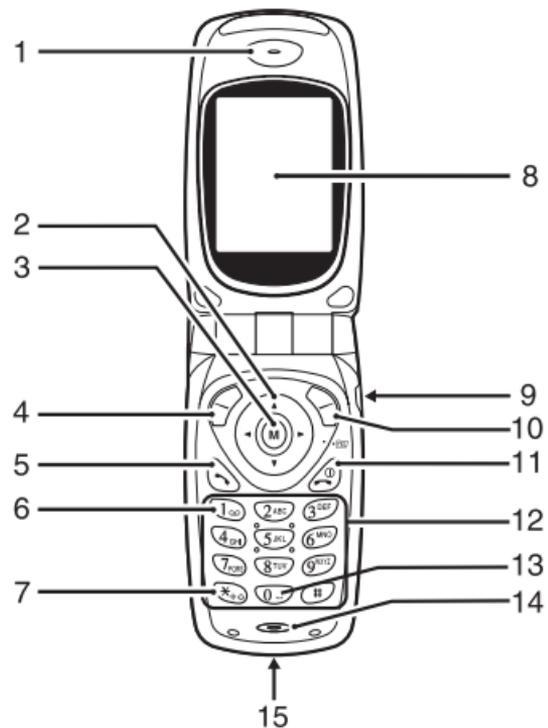
Accessory (option)

- Li-ion spare battery (XN-1BT11)

Some of the above accessory may not be offered by region.

For details, please contact your dealer.

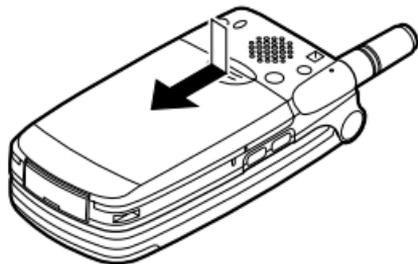
Getting Started



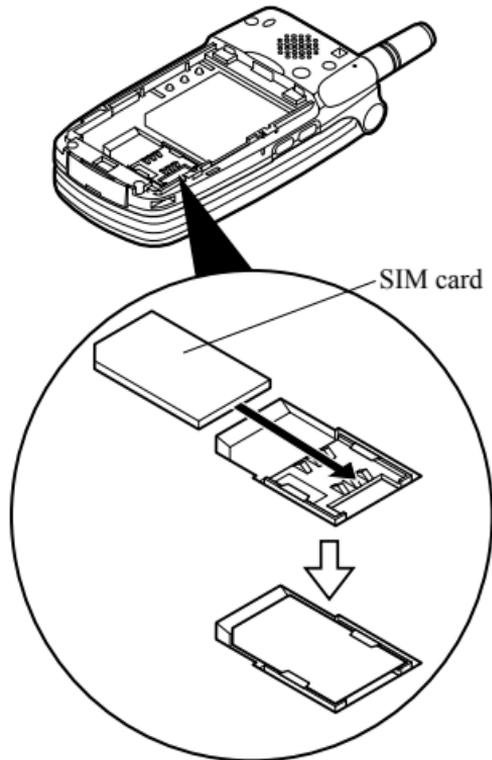
1. **Earpiece**
2. **Navigation Keys (Arrow Keys):**
 - Move the cursor to select menu items, adjust the earpiece volume, etc.
 - Up/Down arrow keys: Search the Phonebook entries in stand-by mode.
 - Left arrow key: Adjusts the earpiece volume in stand-by mode.
 - Right arrow key: Displays the Phonebook menu in stand-by mode.
3. **M Key:** Displays the Main Menu and executes the functions.
4. **Left Soft Key:** Executes the function at the bottom left on the screen.
5. **Send Key:** Makes or accepts calls, views the call history in stand-by mode.
6. **Voice Mail Key:** Used to connect to Voice mail centre. (Depends on the SIM card.)
7. **#, * /Shift Key:** Used to enter * and # or switch the text mode.
8. **Main-Screen Display**
9. **Hands free Connector**
10. **Right Soft Key:** Executes the function at the bottom right on the screen.
11. **End/Power Key:** Ends a call, turns power on/off.
12. **Keypad**
13. **0/Space Key:** Enter 0 or a space.
14. **Microphone**
15. **External Connector:** Used to connect either the charger or data cable.
16. **Aerial**
17. **Sub-Screen Display**
18. **Camera**
19. **Mirror:** For self portraits.
20. **LED Indicator**
21. **Infrared Port:** Sends and receives data via infrared.
22. **Speaker**
23. **Side Keys**
 - Up/Down keys: Move the cursor to select menu items, etc.
24. **Battery Cover**

Inserting the SIM Card and the Battery

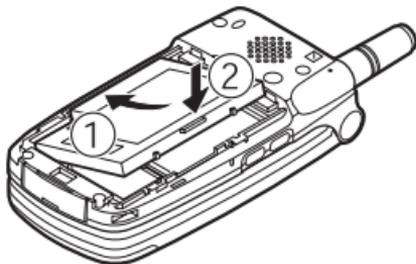
1. Slide off the battery cover.



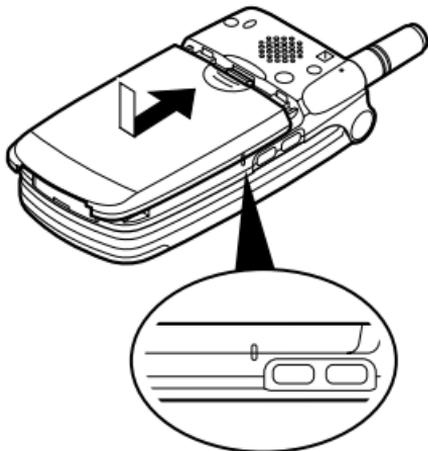
2. Slide the SIM card into the SIM holder.



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 ①, and then insert it ②.



4. Replace the battery cover so that the marks are aligned and slide it as shown.

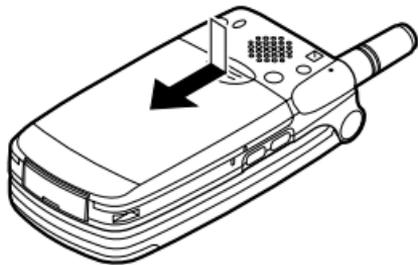


Note

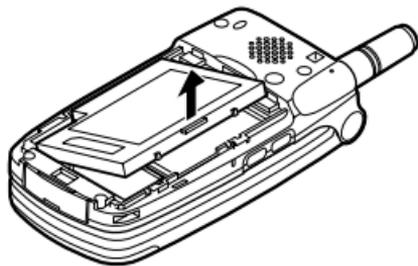
- Make sure that only 3V SIM cards are used.
- Use only the approved battery (XN-1BT11).

Removing the SIM Card and the Battery

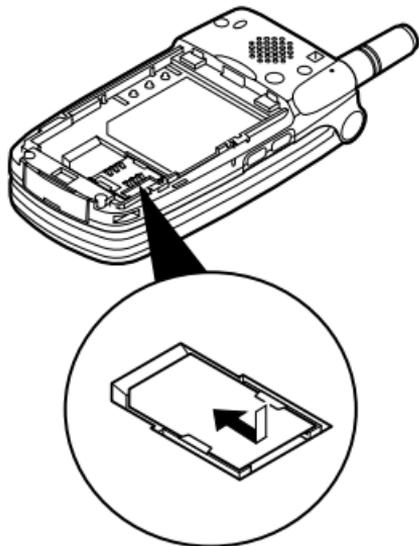
1. Make sure to turn off your phone and disconnect charger and other accessories. Slide off the battery cover.



2. Pick up the battery using the protruding edge and remove the battery from the phone.



3. Slide the SIM card by pushing the back of the card and remove it from the SIM holder.



Battery Disposal

The device is supported by a battery. In order to protect the environment, please read the following points concerning battery disposal:

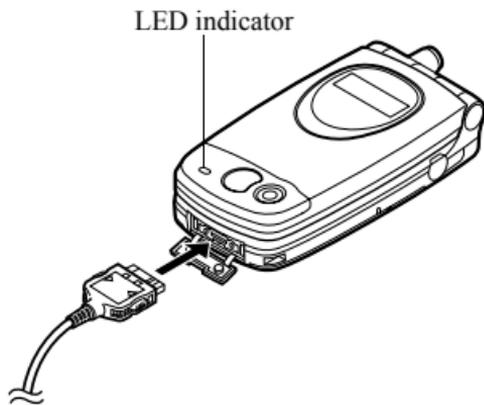
- Take the used battery to your local waste depot, dealer or customer service centre for recycling.
- Do not expose the used battery to an open flame, into water or dispose with the household waste.

Charging the Battery

You must charge the battery for at least 2 hours before using your phone for the first time.

To Charge Using the Charger

1. Connect the charger to the external socket located at the bottom of the phone with the charger's "PUSH TOP" mark facing towards you, and to an AC outlet.



The LED indicator lights in red.
Standard charging time: Approx. 2 hours.

Note

- *Charging time may be longer than above depending on the state of a battery and a surrounding situation. (See "Battery" on page 128.)*

To disconnect the charger

Push and hold the side buttons of the charger, then disconnect the charger from the external socket of the phone.

- When charging is complete, the LED indicator turns off. Unplug the charger from the AC outlet, then unplug the charger connector from the phone.

Note

- Do not use any non approved charger, this may damage your phone and void any warranty, please see “Battery” on page 128 for details.*
- When the phone is charging, the animated battery status icon () will be displayed in the upper right of the screen.*

To Charge Using the Cigarette Lighter Charger

The cigarette lighter charger (option) 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 hand side of the screen and the Sub-screen.

Low Battery During Use

When the battery is running low, an alarm will sound and the “” will appear on the screen and the Sub-screen.

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. The battery may only last five minutes before the phone itself powers down during a call.

Charge Level	Indicators
Full level (greater than 60%)	
Partial level (less than 60%)	
Partial level (less than 30%)	
Low level (less than 10%)	 Charging the battery is recommended.
Empty	 Charge the battery.

Turning Your Phone On and Off

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

The stand-by screen appears.

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

Entering the PIN Code

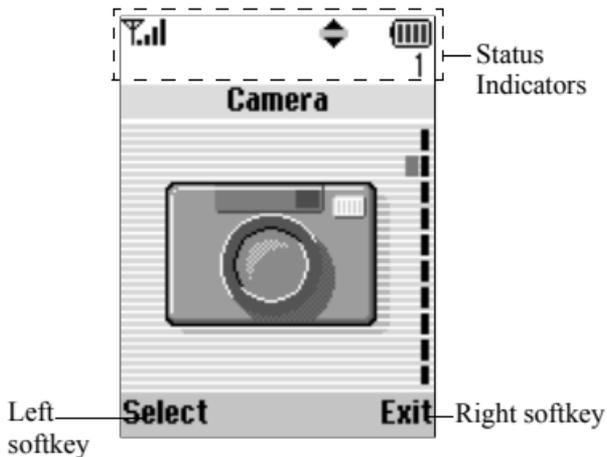
If activated you will be asked to enter a PIN (Personal Identification Number) code after turning on your phone.

1. Enter your PIN code.
2. Press .

Note

- If your PIN code is entered incorrectly three times consecutively, the SIM card is locked. See “Enabling/Disabling the PIN Code” on page 102.
- Some functions of your phone may be limited depending on your SIM card.

Display Indicators



1. : Indicates the strength of received signal/the service is out of range.
2. : Appears when in call.
3. **Abc/ABC/abc/123**: Indicates the input mode (Upper case only the first letter of the word mode/Upper case mode/Lower case mode/Numeric mode).
4. **T9 / T9 ~|J / T9 ㄅㄆ**: Appears when the T9 text input mode is activated.
Chinese character input modes are T9 Stroke and T9 BoPoMoFo.
5.  /  / : Appears when a new SMS, MMS Alert or WAP Alert has arrived.
6.  / : Appears when viewing secured WAP browser.
7.  / : Appears when a picture or image/sound is attached to MMS.
8. : Indicates a Phonebook entry stored in the phone memory.
9. : Indicates a Phonebook entry stored on the SIM card.
10. : Indicates the battery level.
11. : Appears when your phone is roaming outside of your network.
12. : Appears when your phone is in data communication mode.
13. : Appears when your phone is in fax communication mode.
14. : Appears when your phone is GPRS enabled and within range.
Flashes during GPRS transmission.
15. : Appears when Alarm is set.
16. : Appears when “Diverts” (p. 85) is set to “All Calls”.
17. : Appears when the data cable is connected to your phone.
18. : Appears when “Ringer Volume” (p. 67) is set to “Silent”.
19. : Appears when Vibration alert is set.

20. (No display) /  /  /  / :

Indicates the phone's mode
(Normal mode/Meeting mode/
Activity mode/Car mode/Silent
mode).

21. : Appears when up, down, right or
left navigation is available.

22.  / : Appears when "Infrared" is on/
during connection.

23.  / : Appears when the Java™
application is executed/
suspended.

Softkey Indicators

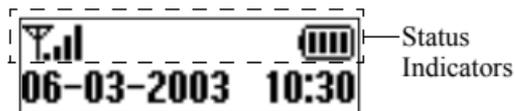
To execute the operation indicated, press each
corresponding key.

24. Area at the lower left of a screen:
Displays the operation executed
by left softkey.

25. Area at the lower right of a screen:
Displays the operation executed
by right softkey.

Sub-Screen

Status Indicators



1. : Indicates the received signal
strength.
2. : Appears when GPRS is within
range and can be used.
Flashes during GPRS
communication mode.
3. : Appears when a new SMS, MMS
Alert or WAP Alert has arrived.
4. : Appears when Alarm is set.
5. : Indicates the battery level.
6.  / : Appears when "Infrared" is on/
during connection.
7. : Appears when "Diverts" (p. 85) is
set to "All Calls".

8.  : Appears when the data cable is connected to your phone.
9.  : Appears when “Ringer Volume” (p. 67) is set to “Silent”.

Call Functions

Making a Call

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

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

2. Press  to dial.

Emergency Calls

1. Enter 112 (international emergency number) using the keypad.
2. Press  to dial.

Note

- *Emergency calls may not be available 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 GSM network is within range.*

International Calls

1. Press and hold  until a “+” (international dialling prefix) sign appears.
2. Enter the country code, followed by the area code and the number.
3. Press  to dial.

Note

- *Enter the area code omitting the first 0 when making international calls, in most cases. (It differs for some countries.)*

Speed Dialling

In the Speed Dial List, up to 9 phone numbers out of the Phonebook can be set. You can call the numbers using the digit keys ( to  and .

For details on setting the Speed Dial List, see “Speed Dial List” on page 34.

1. Press and hold any of the digit keys ( to  and .

The phone number stored in the Speed Dial List is displayed, then dialled.

Redialling

You can redial the numbers in the call log list that you may have missed, received or dialled. Each list can contain up to 10 numbers.

1. Press  during stand-by.
2. Press  or  to select a category between “Dialled Numbers”, “Missed Calls” and “Received Calls”.
3. Select the number you wish to call by pressing  or .
4. Press  to redial the call.

Automatic Redialling

This setting allows you to automatically redial the number if the first attempt was unsuccessful.

If you wish to stop redialling, press  or  [End].

To Set the Auto Redial Function

1. Press  to display the Main Menu.
2. Press  or  to select “Settings”, then press .
3. Press  or  to select “Call Settings”, then press .
4. Press  or  to select “Auto Redial”, then press .

5. Select “On” to enable the Auto Redial function or “Off” to disable it, then press .

Note

- When you receive an incoming call, the Auto Redial function will be interrupted.
- Automatic redialling is not available for fax and data calls.

Ending a Call

1. Press  to end the call.

Answering a Call

When an incoming call is detected, the phone rings and the LED indicator flashes green.

1. Open your phone.
2. Press  to answer the call.
or
Press any key except ,  [Reject],  and  when the “Any Key Answer” function is enabled.
Set the Any Key Answer function in the profile in each mode. (p. 71)

Tip

- When the hands free kit is connected to the phone, you can answer calls by pressing the Side keys (up or down).
- If you have subscribed to the Calling Line Identification (CLI) service and the caller's network sends the number, the caller's number will appear on the screen. If the caller's name and number are stored in the Phonebook, the caller's name will appear on the screen.
- If the number is a restricted number, the display shows "Withheld".
- When receiving a call from the person whose picture is registered in the Phonebook, receiving display and the picture are displayed alternately.

Rejecting an Incoming Call

You can reject a call you do not wish to answer.

1. Press  or  [Reject] or press and hold the Side keys (up or down) whilst the phone is ringing.

Incall Menus

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

Adjusting the Earpiece Volume

You can adjust the earpiece volume during a call.

1. During a call, press .
2. Press  to increase the earpiece volume or press  to decrease the earpiece volume.
Each press of  or  adjusts the earpiece volume by one of 5 levels.
3. Press  [OK].

Tip

- You can also adjust the earpiece volume using the Side keys (Volume up key or Volume down key) during a call.

Putting a Call on Hold

This function allows you to manage two calls at the same time. If you wish to make another call whilst 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] to display the Options Menu.
2. Select "Hold", then press .
The current call is put on hold.
To retrieve a call, press  [Options] and select "Retrieve", then press .

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 steps 1 and 2. The current call is automatically put on hold.

Call Waiting

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

1. During a call, press  [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 “Swap” to switch between the two calls.
3. Press  [Options] and select “End Call”, then press  to end the current call and return to the held call.

Note

- You need to set “Call Waiting” to “On” if you use Call Waiting service (p. 92).
- 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  [Reject] in step 1. The call log of the second call will be 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.

Making a Conference Call

To make a conference call, you must have one active call and one held call.

1. Press  [Options] to display the Options Menu.
2. Press  or  to select “Multiparty”, then press .
3. Press  or  to select “Join All”, then press .
4. Press  to end the conference call.

Note

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

Adding New Participants to the Conference Call

1. Press  [Options] to display the Options Menu.
2. Press  or  to select “Dial”, then press .
3. Enter the number you wish to include in the conference call.
4. Press  to dial.
5. Press  [Options] to display the Options Menu.
6. Press  or  to select “Multiparty”, then press .
7. Press  or  to select “Join All”, then press .

If you wish to add other participants, repeat steps 1 to 7.

To End the Call with a Conference Call Participant

1. During a conference call, select the person who you wish to disconnect the call by pressing  or .
2. Press  [Options] to display the Options Menu.
3. Press  or  to select “End Call”, then press .

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 the conference call, select the person that you wish to talk to by pressing  or .
2. Press  [Options] to display the Options Menu.
3. Press  or  to select “Multiparty”, then press .
4. Press  or  to select “Private”, then press .
5. Once you have finished the private conversation, press  [Options] and select “Multiparty”, then press .
6. Press  or  to select “Join All”, then press  to return to the conference call.

Muting the Microphone

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

Entering Characters

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

Table of Characters

Pressing each key scrolls characters in the following order.

Note:

- Depending on the type of the data entry screen, usable characters are limited.

English Mode

Key	Upper Case Characters	Lower Case Characters	Numeric
1 ₀₀	. (full-stop) , (comma) - (hyphen) ? ! ' (apostrophe) @ _ () / " : 1		1
2 _{ABC}	ABC2ĀĀĀĀĀĀĀĀÆÇ	abc2āāāāāāæç	2
3 _{DEF}	DEF3ÉĒĒĒĒ	def3éēēēē	3
4 _{GHI}	GHI4ĪĪĪĪ	ghi4īīīīī	4
5 _{JKL}	JKL5	jkl5	5
6 _{MNO}	MNO6ŌŌŌŌŌŌŌŌÑ	mno6ōōōōōōñ	6
7 _{PQRS}	PQRS7	pqrs7ß	7

Key	Upper Case Characters	Lower Case Characters	Numeric
8 _{TUV}	TUV8ÚÛÜŮÛ	tuv8úûüůû	8
9 _{WXYZ}	WXYZ9ÝÞ	wxyz9ýþ	9
0 ₋	(space)+ = < > € £ \$ ¥ % & 0		0
* ₊₀	*+P?		
# _{+Navigation} Keys+ (M)	. , ? ! : ; - + # * @ ' " () _ & @ £ \$ % / ~ < > § = \ ¢ ¥ ¤ ; ^ [] { } ¨ ¤ ¢ Γ Α Ω Π Ψ Σ Θ Ξ Ξ (space)		

0₋ , 1₀₀ - 9_{WXYZ} : Press and hold to enter 0 - 9 numbers.

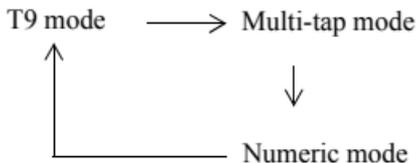
*₊₀ : Press and hold *₊₀ to display the Input Mode Select screen.

: During text input mode, press and hold # to alternate between T9, Multi-tap, and Numeric modes. (See the section described later.)

Changing the Input Mode

To change the input mode, repeat pressing **#** for approximately 2 seconds.

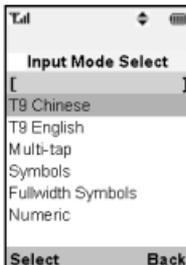
The input mode switches as follows:



Changing the Character Input Mode

1. Press and hold ***+o** to change the character input mode.

The Input Mode Select screen is displayed.

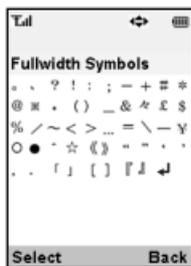


2. Press **▲** or **▼** to select the desired option, then press **M**.

T9 Chinese	T9 Stroke
	T9 BoPoMoFo
T9 English	T9 Abc
	T9 ABC
	T9 abc
Multi-tap	Abc
	ABC
	abc
Symbols	(Half-sized symbols)
Fullwidth Symbols	(Full-sized symbols)
Numeric	(numeric mode)

Symbols and Punctuation

1. Perform steps in the above section, or press **#** from any input mode.
The first symbol page is displayed.
2. Press **▲** or **▼** to switch pages (1 and 2), or use the numeric keys (1 and 2).



T9 Text Input (T9 Abc)

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

1. Press and hold **#** until “**T9**” is displayed.
2. Press each key once for any letter you require on that key.

To enter the word “How”, press **4^{OH}** **6^{MNO}** **9^{POZ}**.

3. Press **▲** or **▼** until the correct word is shown if the character combination, that was initially displayed, is not correct.
4. Press **M** to select the word.

Note

- If the correct word is not shown in step 3, enter the correct word again after switching to the normal input mode.

Tip

- If you press **0** instead of step 4, a space is inserted next to the selected word.

Table of Stroke and BoPoMoFo characters
Pressing each key scrolls characters in the following order.

Chinese Mode

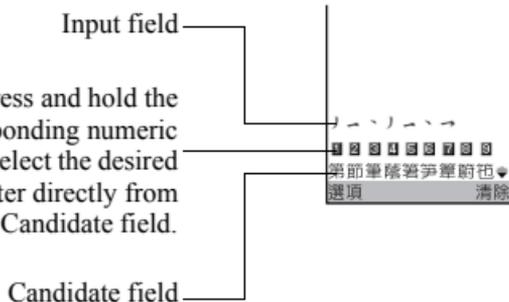
Key	Stroke	BoPoMoFo
1 _{GO}	一	ㄅ ㄆ ㄇ ㄏ
2 _{ABC}	丨	ㄉ ㄊ ㄋ ㄌ
3 _{DEF}	ノ	ㄍ ㄎ ㄏ
4 _{GHI}	㇇	ㄏ ㄏ ㄏ
5 _{JKLM}	→	ㄐ ㄑ ㄒ ㄓ
6 _{MNO}	Wildcard	ㄔ ㄕ ㄖ
7 _{PQRS}	—	ㄗ ㄘ ㄙ ㄚ
8 _{TUV}	—	ㄗ ㄘ ㄙ ㄚ
9 _{WXYZ}	—	ㄛ ㄜ ㄝ ㄞ ㄟ
* ₊₀	—	ㄟ ㄠ ㄡ ㄢ ㄣ
0 ₋	Space	ㄟ ㄠ ㄡ
#	Go to the Chinese symbol screen	

Changing the Input Mode between Stroke and BoPoMoFo

See the section above, “Changing the Input Mode” on page 25.

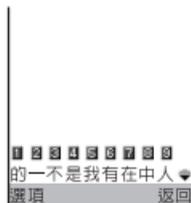
Using Stroke Mode

Press and hold the corresponding numeric key to select the desired character directly from the Candidate field.



Example of entering “節”.

1. Change the input mode to T9 Stroke mode.



2. Press **3**^{DEF}, **1**^{AD}, **4**^{GH}, **3**^{DEF}, **1**^{AD}, **4**^{GH}, **5**^{JKL} to display the corresponding stroke for 節.



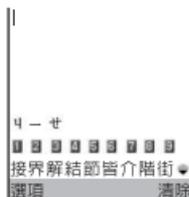
3. Press and hold **2**^{ABC} to complete the selection.



Using BoPoMoFo Input Mode

The following is an example of entering “節” for “節日歡樂”.

1. Press **4**^{GH}, **0**⁻, and **7**^{FGS} (2 times quickly) to enter reading. The candidates with the same reading are displayed in the Candidate field.



2. Press **▲** or **▼** until the desired character is displayed.
3. Press and hold **5**^{JKL} if the desired character is displayed.



4. Repeat steps 1 through 4 to complete messages.

Tip

- After step 4, the Candidate field predicts and displays the candidate that frequently follows the previous character, when the cursor places after the first character.
- If you want to use 4-tone option to display the desired character, press **X+0** instead of step 2. The 4-tone symbols are displayed in the Candidate field. The candidates are displayed. Press the corresponding numeric key (**2_{ABC}**).



Using Text Template

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 49.

1. Press **[Options]** to display the Options Menu.
2. Press **▲** or **▼** to select “Insert Template”, then press **(M)**.
3. Select a desired text template by pressing **▲** or **▼**, then press **(M)**.
The selected text template will be inserted.

Phonebook

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

Group name (p. 31)

You can classify the phone numbers and names stored in the Phonebook, such as “Family” and “Business”.

Creating a New Entry

You can choose either the phone (up to 500) or SIM card memory locations to store the new entry.

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

Phonebook Memories

Select the location for storing the Phonebook memory before storing a new entry.

1. Press  to display the Phonebook menu.
2. Press  or  to select “Settings”, then press .
3. Press  or  to select “Save Nos. to”, then press .
4. Select “SIM Card” to store the entry on the SIM memory or “Phone Memory” by pressing  or , then press .

When selecting “Choice”, you can choose SIM card or phone memory every time you store a new Phonebook entry.

Storing Names and Numbers

1. Press  to display the Phonebook menu.
2. Press  or  to select “Add New Name”, then press .
3. If you select “Choice” in step 4 in “Phonebook Memories”;
Select “SIM Card” or “Phone Memory” by pressing  or , then press .
The name entry prompt appears.
4. Enter a name, then press .
For details on entering characters, see “Entering Characters” on page 24.
The phone number prompt appears.
5. Enter the phone number, then press .
Up to 40 digits can be entered.
6. Select a desired number type by pressing  or , then press .
7. Press  [Save].
8. You can divide the phone numbers of the Phonebook into groups. You can also register E-

mail address, personal data, and picture/image data.
(See “Storing Optional Data” for details.)

Storing Optional Data

You can store optional data after entering a phone number. (See “Storing Names and Numbers” for details.)

Note

- *E-mail address, personal data, and picture/image data cannot be stored on the SIM card.*

Selecting Group Name

1. Press  or  to highlight the right side of “”, then press .
2. Select a desired group name by pressing  or , then press .

You can set to display the available group names when you store/edit the Phonebook, see “View Groups” on page 34.

Entering E-mail Address

3. Press  or  to highlight the right side of “”, then press .
 4. Enter the E-mail address, then press .
- Up to 60 characters can be entered.

Entering Personal Data

5. Press  or  to highlight the right side of “”, then press .
 6. Enter the personal data, then .
- Up to 60 characters can be entered.

Storing Picture/Image Data

You may store a picture/image for use with the Phonebook.

When you receive a call from a person with a Phonebook entry which also has a linked picture/image, the linked picture/image will be displayed.

7. Press  or  to highlight the right side of “”, then press .
 8. Select the desired picture/image, then press .
- The selected picture/image will appear on the screen.
9. Specify the range for displaying the picture/image by pressing , ,  or , then press .

Note

- The stored picture/image is automatically saved under the “in Phonebook” section of the Image Gallery.
- The picture/image cannot be deleted in the Image Gallery. Remove the picture/image data from the Phonebook.

Adding the Phone Number from the Call Log Entries

1. Display the call log entry you wish to store (p. 80).
2. Press .
3. Press  or  to select “Save to Phonebook”, then press .
4. Follow the procedure from step 3 in “Storing Names and Numbers” on page 30.

Storing after Inputting a Phone Number

1. Enter the phone number, then press  [Save].
2. Follow the procedure from steps 3 to 7 in “Storing Names and Numbers” on page 30.

Finding a Name and Number

Two methods of searching through the Phonebook are available:

Search by Name

1. Press  to display the Phonebook menu.
2. Select “View Names”, then press .
3. Enter a name or the first character(s) of the name. Matched results will be displayed alphabetically. If there is no entry in the Phonebook that satisfies the exact search criteria, the name that is nearest alphabetically matching will be displayed.
4. Scroll through list by pressing  or  to select the desired name, then press  [Select]. The detailed screen of the Phonebook appears.
5. Press .
6. Press  or  to select the desired phone number, then press  to dial.

Tip

- If you press  and select “Search” after step 2, you can also search the name and number.
- You can also dial the desired phone number by pressing the digit key corresponding to the list number instead of step 6.

Search in Alphabetical Order

1. Press  or  whilst in stand-by to open the Phonebook.
2. Scroll the list by pressing  or  to find the desired name.
3. If you wish to do a name search, perform steps 3 and 4 in “Search by Name”.

Editing Phonebook Entries

You can edit Phonebook entries.

1. Search for the desired Phonebook entry.
For details on searching through Phonebook entries, see “Finding a Name and Number”.
2. Press .
3. Press  or  to select “Edit”, then press .
4. Select an entry you wish to change by pressing  or , then press  [Edit].
5. Edit entry as required.
6. Press .
7. Press  [Save] to save the change(s).

If you wish to edit another item, repeat steps 4 to 6.

Deleting Phonebook Entries

1. Search for the desired Phonebook entries.
For details on searching through Phonebook entries, see “Finding a Name and Number” on page 32.
 2. Press .
 3. Press  or  to select “Delete”, then press .
 4. Select “Yes”, then press .
- The selected entry will be deleted.
To cancel deletion, select “No” at step 4, then press .

Checking Your Own Numbers

You can check and edit your own voice, data and fax phone numbers in the Phonebook.

1. Press  to display the Phonebook menu.
2. Press  or  to select “Own Numbers”, then press .
3. Press  or  to select the phone number you wish to check from either “Voice”, “Data” or “Fax”, then press .

Note

- “Data” or “Fax” may not be displayed depending on SIM card.

Editing Your Phone Numbers

1. Perform steps 1 to 3 in “Checking Your Own Numbers”.
2. Press **(M)**.
3. Press [Clear] to erase the phone number and enter a new phone number.
4. Press **(M)** to save the phone number.

View Groups

You can set the available group names when you store/edit the Phonebook.

1. Press to display the Phonebook menu.
2. Press or to select “Settings”, then press **(M)**.
3. Select “View Groups”, then press **(M)**.
4. Select a desired group name by pressing **(M)**.
“” indicates that the group has been selected.
To cancel the selected group, press **(M)** again.
The checkbox becomes blank again.

Memory Status

This function helps you to check the number of entries stored in the Phonebook.

1. Press to display the Phonebook menu.

2. Press or to select “Settings”, then press **(M)**.
3. Press or to select “Memory Status”, then press **(M)**.

You can check the following memory status.

“SIM Card : xxx/xxx”

“Speed Dial : xx/xx”

“Phone : xxx/500”

Note

- The number of locations available on the SIM is dependant on its capacity.

Speed Dial List

You can set a maximum of 9 phone numbers to the Speed Dial List.

Use the phonebook entries on the SIM card.

Adding Phonebook entries to the Speed Dial List

1. Search for the desired Phonebook entries.
For details on searching through Phonebook entries, see steps 1 to 4 in “Search by Name” on page 32.
2. Press or to select the phone number.
3. Press **(M)**.

4. Press  or  to select “Add to Speed”, then press .
5. Select the number you wish to add by pressing  or , then press .

Viewing the Speed Dial List

1. Press  to display the Phonebook menu.
2. Press  or  to select “Settings”, then press .
3. Press  or  to select “Speed Dial List”, then press .

The stored names and phone numbers in the selected entry are displayed in order.

Sending Messages

1. Search for the desired Phonebook entries.
For details on searching through Phonebook entries, see steps 1 to 4 in “Search by Name” on page 32.
2. Press  or  to highlight the right side of “”, “” or “”, then press 
or
Press  or  to highlight the right side of “”, then press .
3. Press  or  to select “Send Message”, then press .

If you highlight the right side of “”, “” or “” in step 2:

4. Press  or  to select “MMS” or “SMS”, then press .
5. Enter your message.

For details on creating a message, see “Creating a New MMS” on page 110 or “Creating a New SMS” on page 118.

Using the Menu

Using the Main Menu

1. Press  during stand-by mode.
2. Press  or  to navigate to required location.
3. Press  or  to access function.

To Select Another Item within the Main Menu

To return to the previous screen after selecting a function from the Main Menu or Sub Menu, press .

Every time you press , the screen goes back one by one.

Operation Guidance

Your phone uses softkeys to help you to navigate the phone ( and ). These keys change usage depending on the situation. The function of each softkey at any given time is highlighted at the bottom left and bottom right of the screen.

Shortcut Keys

When pressing several key combinations during stand-by mode, you can shortcut to the specified menus.

To access the desired menu directly, press  and digit keys for the menu's corresponding number during stand-by mode. See the following table as reference.

Example: To access “Language” Sub Menu using shortcut keys

Press    .

Note

- *The shortcut keys work for the first three menu levels only.*

Side Keys

The Side keys (up or down) function the same as pressing  or .

List of Menu Functions

Menu No./ Main Menu	Menu No./ Sub Menu1
1 Camera	
2 My Phone	1 Java™ Gallery 2 Image Gallery 3 Sound Gallery 4 Text Templates 5 Memory Status
3 Fun & Games	1 Java™ 2 Games 3 Melody Editor 4 Tone Editor
4 Profiles	1 Normal 2 Meeting 3 Activity 4 Car 5 Silent
5 Organiser	1 Calculator 2 Calendar 3 Clock & Alarm 4 Voice Memo 5 Help List
6 Call Manager	1 Phonebook 2 Call Register 3 Diverts

Menu No./ Main Menu	Menu No./ Sub Menu1
7 Settings	1 Phone Settings 2 Call Settings 3 Network Settings 4 Internet Settings 5 Infrared 6 Security 7 Master Reset
8 Browser	1 SmarTone 'in' 2 Bookmarks
9 SMARTMENU*	
0 Messages	1 MMS 2 SMS 3 Cell Broadcast 4 Cell Info 5 Voicemail

* Depends on the contents of SIM card.

Camera (M 1)

Your phone incorporates an integrated digital camera. This allows you to take and send pictures wherever you are.

Taking Pictures

Put the phone into the camera mode to take a picture.

You can send the pictures registered in the Image Gallery with your message.

1. Press and hold  for approximately 2 seconds whilst stand-by.

The phone switches to the camera mode. The camera view can be seen through the “on screen” viewer.

2. Press  to take the picture.

The shutter sound occurs and the static image of the taken picture is displayed.

3. Press  [Save].

“Save to Gallery...” is displayed, then the picture is registered.

If you wish to send a picture by MMS after taking the picture, press .

The camera returns to step 1. Repeat process as desired.

4. Press  to return to stand-by.

Tip

- To leave Camera Mode without registering the taken picture after step 2 in “Taking Pictures”: Press  and select “Yes”, then press .
- To take a picture of yourself, press  or the Side keys (up or down) whilst checking the image reflected on the mirror on the back of the phone. Place/hold the phone at least 40 cm away from yourself.

Using the Zoom Function

Press  [Zoom] to magnify the photographic subject.

Press  [Wide] to restore the original magnification.

Note

- When “Select Size” is set to “Large”, you cannot use the zoom function.

To select the picture size

1. Press  [Options] before step 2 in “Taking Pictures” to display the Options Menu.
2. Press  or  to select “Select Size”, then press .
3. Select the picture size by pressing  or , then press .

To select the mode

1. Press  [Options] before step 2 in “Taking Pictures” on page 38 to display the Options Menu.
2. Press  or  to select “Select Mode”, then press .
3. Select the mode by pressing  or , then press .

Note

- Vertical stripes may be reflected to a picture by light source. Change the mode in this case.

Retaking Pictures

After steps 1 and 2 in “Taking Pictures” on page 38, press  [Back].

Further shooting is available.

Note

- The Digital Camera uses a C-MOS Sensor. Although this camera has been manufactured to the highest specification, some pictures may still appear too bright or too dark.
- If the phone has been left in a warm place for a long time before taking or registering a picture, the picture quality may be poor.

In the Case of No Available Memory

When the number of pictures that can be taken becomes 5 or less, or when the remaining capacity becomes 27.5 Kbytes (when “Medium” is selected as the picture size) or less, “” will appear on screen. The screen returns to step 2 in “Taking Pictures” on page 38. The number of pictures that can be taken is displayed in the upper left of the screen. (The number of pictures that can be taken is approximate.)

When the number of pictures that can be taken becomes 0, and when you try to take a picture again, “Can not take a picture. Maximum Capacity” is displayed.

Meanings of Indicators in Camera Mode

Delay timer indicator (p. 40)



: Whilst the timer setting is on.

Picture brightness indicators (p. 40)



Bright



↓



Normal



↓



Dark

Picture size indicators (p. 38)



Large: 288 × 352 dots



Medium (default): 120 × 160 dots



Small: 60 × 80 dots

Mode indicator (p. 39)

By setting the indicator to the electrical frequency of the region, picture quality of shots taken with indoor illumination is improved.

: Mode 1 (50 Hz)

: Mode 2 (60 Hz)

Making Adjustments According to Lighting Conditions

Adjusting the Brightness of the Picture

Adjust the brightness of the picture by pressing  or .

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

Viewing the Taken Pictures

The taken pictures can be viewed in the Image Gallery.

1. In camera mode, press  [Options].
The Options Menu is displayed.
 2. Select “Existing Images”, then press .
 3. Select the file name you wish to view by pressing  or , then press .
- The selected picture is displayed.

4. Once you have finished, press  [Back] to return to the list.

Tip

- Your pictures are given file names which show the time and date when the picture was taken.

Example:

The file name “13-05-02_12-34-56” is displayed for the picture taken at 12:34:56 of 13th May 2002. The file names of your pictures can be changed (p. 44).

Using the Timer

Taking a Picture with the Timer

1. In camera mode, press  [Options].
The Options Menu is displayed.
2. Press  or  to select “Delay Timer”, then press .
3. Press  or  to select “On”, then press .
 appears on the screen and the phone returns to camera mode.
4. Press  to take the picture.
Delay timer begins.
10 seconds after the timer sound occurs, the camera takes a picture, and sounds a tone.

Note

- Whilst the delay timer is operating, the LED indicator and the icon flash.
- If  is pressed whilst the delay timer is operating, the picture is taken instantly.
- If there is an incoming call or alarm functioning, or  is pressed, whilst the delay timer is operating, the camera operation is cancelled. In this case, the timer setting is cancelled.
- The zooming function with  [Zoom] / [Wide], or the adjustment of brightness of the picture with  or , is unavailable whilst the delay timer is operating.

Canceling the Delay Timer

1. Press  [Options] whilst the delay timer setting is on.
The Options Menu is displayed.
2. Press  or  to select “Delay Timer”, then press .
3. Press  or  to select “Off”, then press 
 goes off.

Sending Pictures

See “Sending Messages” on page 45 for instructions.

Deleting Pictures

See “Deleting Pictures/Images” on page 46 for instructions.

My Phone (M 2)

My Phone contains several types of picture/image and sound data along with Java™ applications which can be controlled collectively. Also included in My Phone are frequently used text message phrases.

Java™

Using Java™ Applications

Various kinds of SmartOne specific Java™ applications can be used in this phone.

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

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

Note

- *Java™ 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.*

Java™ Gallery (M 2-1)

Downloaded applications are stored in the Java™ Gallery.

Note

- *The phone can store approximately 700Kbytes of information across the Java™ Gallery, Image Gallery and Sound Gallery. The Java™ Gallery can store up to 50 applications.*

Executing Java™ Applications

1. Press  to display the Main Menu.
2. Press  or  to select “My Phone”, then press .
3. Select “Java™ Gallery”, then press . The list of Java™ Gallery is displayed. The downloaded Java™ applications are sequentially displayed from the latest one.
4. Select the title of the Java™ application you wish to execute by pressing  or , then press . The selected Java™ application is executed. When using network connection type Java™ applications, connection to the network can be selected.

To end the Java™ application

1. Press .
2. Press  or  to select “End”, then press .
The screen returns to stand-by screen.

To suspend the Java™ application

1. Press .
2. Press  or  to select “Suspend”, then press .
To resume the Java™ application, press  during stand-by screen and select “Resume”, then press .

Checking the Information of the Java™ Application

1. Perform steps 1 to 3 in “Executing Java™ Applications” on page 42.
2. Select the Java™ application you wish to check, then press  [Options].
The Options Menu is displayed.
3. Select “File Information”, then press .
The detailed information screen is displayed.
4. Press  or  to scroll through the screen.
5. When you have finished, press  [Back].
The screen returns to the Java™ Gallery.

Deleting Java™ Applications

1. Perform steps 1 to 3 in “Executing Java™ Applications” on page 42.
2. Select the Java™ application you wish to delete, then press  [Options].
The Options Menu is displayed.
3. Press  or  to select “Delete”, then press .
4. Select “Yes”, then press .
The selected application is deleted.
To cancel deletion, select “No” at step 4, then press .

Image Gallery (M 2-2)

Pictures that are taken by a digital camera or images that are downloaded from mobile Internet sites can be managed.

- File**: This is the folder where the pictures/images registered in the Phonebook are saved.
- P**: Images in PNG format
- J**: Pictures/Images in JPEG format
- E**: e-Animation file (NEVA)
- G**: Images in GIF format
- B**: Images in BMP format
- WB**: Images in WBMP format
- WP**: Images in WPNG format

The date and time when the photo was taken is displayed as a file name for the picture.

Viewing Pictures/Images

1. Press **M** to display the Main Menu.
2. Press  or  to select “My Phone”, then press **M**.
3. Select “Image Gallery”, then press **M**.
The list of Image Gallery is displayed.

4. Select the file name you wish to view by pressing  or , then press **M**.
The selected picture/image is displayed.
5. Once you have confirmed the picture/image, press  [Back] to return to the Image Gallery.

Checking the Picture/Image Data

Select the desired data in step 5 in “Viewing Pictures/Images”, then select “File Information” after pressing  [Options] to display the Options Menu.

The file type and size of the selected picture/image are displayed. Whether the picture/image can be copied, forwarded, or saved is also displayed.

To return to the Image Gallery, press  [Back].

Changing the File Name

1. Perform steps 1 to 3 in “Viewing Pictures/Images”.
2. Select the file name you wish to change by pressing  or , then press  [Options].
The Options Menu is displayed.
3. Select “Rename”, then press **M**.
4. Enter a new file name.
To correct the last character, press  [Clear] briefly.
Press and hold  [Clear] to clear all characters.

5. Press .

Note

- Following characters cannot be used for a file name: /, \, :, *, ?, ", <, > and . (full-stop).

Adjusting the Size of the Picture/Image

The pictures/images that are registered in the Image Gallery can be adjusted for use as a wallpaper during stand-by or as an incoming call display.

When the picture/image size is modified, the data size is updated.

1. Perform steps 1 to 3 in “Viewing Pictures/Images” on page 44.
 2. Select the file name you wish to adjust by pressing  or , then press  [Options].
The Options Menu is displayed.
 3. Press  or  to select “Adjust Size”, then press .
 4. Select the picture/image size you wish to change by pressing  or , then press .
 5. Specify the range for displaying the picture/image by pressing , ,  or  then press .
 6. Press .
- To cancel registration, press  [Back] at any time before step 6.

Note

- “Adjust Size” may not be available depending on the picture/image original and copyright issued.

Sending Messages

1. Perform steps 1 to 3 in “Viewing Pictures/Images” on page 44.
2. Select the file name you wish to send by pressing  or , then press  [Options].
The Options Menu is displayed.
3. Press  or  to select “Send Message”, then press .
4. Enter your message.
For details on creating a message, see “Creating a New MMS” on page 110.

Note

- Pictures/images with a red icon cannot be sent attached to a message.

Deleting Pictures/Images

1. Perform steps 1 to 3 in “Viewing Pictures/Images” on page 44.
2. Select the file name you wish to delete by pressing ▲ or ▼, then press  [Options].
The Options Menu is displayed.
3. Press ▲ or ▼ to select “Delete”, then press (M).
4. Select “Yes”, then press (M).
The selected picture/image is deleted.
To cancel deletion, select “No” at step 4, then press (M).

Sound Gallery (M 2-3)

The ring tones instead created by Melody Editor and the WAVE data recorded by Voice Memo are managed in the Sound Gallery. Default ring tones are not contained.

- : Sound file in SMAF format
- : Original ringing tone (composed in Melody Editor)
- : Sound file in Standard MIDI format
- : Sound file in i Melody format
- : Sound file in WAVE format

Note

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

Playing Back Sounds

1. Press  to display the Main Menu.
2. Press  or  to select “My Phone”, then press .
3. Select “Sound Gallery”, then press .
The list of Sound Gallery is displayed.
4. Select the sound you wish to play back by pressing  or , then press .
The selected sound is played.
To stop playing, press  [Stop].

Checking the Sound Data

Select the desired sound as in step 5 in “Playing Back Sounds”, then select “File Information” after pressing  [Options].

The file type and size of the selected sound are displayed. Whether the sound can be copied, forwarded or saved is also displayed.

To return to the Sound Gallery, press  [Back].

Changing the File Name

1. Perform steps 1 to 3 in “Playing Back Sounds”.
2. Select the file name you wish to change by pressing  or , then press  [Options].
The Options Menu is displayed.
3. Select “Rename”, then press .
4. Enter a new file name.
To delete the last character, press  [Clear] briefly.
Press and hold  [Clear] to clear all characters.
5. Press .

Note

- *Following characters cannot be used for a file name: /, \, :, *, ?, ", <, > and . (full-stop).*

Tip

- *When “Data Edit” is displayed in the menu in step 2, you are able to edit the sound (p. 60). Once you have completed editing the newly saved file overwrites the old file. This new file then becomes the original ring tone.*

Setting the Tone and Strength

1. Perform steps 1 to 3 in “Playing Back Sounds” on page 47.
 2. Select the file name you wish to edit by pressing  or , then press  [Options].
The Options Menu is displayed.
 3. Press  or  to select “Tone Set” or “Strength Set”, then press .
- For full details, see pages 58 to 60.

Note

- If “Tone Set” and “Strength Set” are not displayed in the menu in step 2, you cannot change the settings.

Sending Messages

1. Perform steps 1 to 3 in “Playing Back Sounds” on page 47.
2. Select the file name you wish to send by pressing  or , then press  [Options].
The Options Menu is displayed.
3. Press  or  to select “Send Message”, then press .

If you select your original ringing tone in step 2;

4. Press  or  to select the file format “SMAF”, “MIDI” or “i Melody”, then press .

5. Enter your message.

For details on creating a message, see “Creating a New MMS” on page 110.

Note

- Sounds with a red icon cannot be sent attached to a message.
- Only the first part of the data will be converted if you select “i Melody” in step 4.

Deleting Sounds

1. Perform steps 1 to 3 in “Playing Back Sounds” on page 47.
 2. Select the file name you wish to delete by pressing  or , then press  [Options].
The Options Menu is displayed.
 3. Press  or  to select “Delete”, then press .
 4. Select “Yes”, then press .
- The selected sound has been deleted.
To cancel deletion, select “No” at step 4, then press .

Text Templates (M 2-4)

You can register up to 20 text templates for use in SMS and MMS.

You can input messages or others more easily by registering frequently used text.

64 characters may be registered in any text template.

Adding Phrases to Text Templates

1. Press  to display the Main Menu.
 2. Press  or  to select “My Phone”, then press .
 3. Press  or  to select “Text Templates”, then press .
- The list of Text Templates is displayed.
4. Select the number you wish to register by pressing  or , then press .
 5. Enter the text, then press .

For details on entering characters, see “Entering Characters” on page 24.

Editing Text Templates

1. Perform steps 1 to 3 in “Adding Phrases to Text Templates”.
2. Select the number you wish to edit by pressing  or , then press .

3. Press  or  to select “Edit”, then press .
4. Enter new text.
To correct the last character, press  [Clear] briefly.
Press and hold  [Clear] to clear all characters.
5. Press .

Viewing Text Templates

1. Perform steps 1 to 3 in “Adding Phrases to Text Templates”.
 2. Select the number you wish to view by pressing  or , then press .
 3. Press  or  to select “Confirm”, then press .
- The selected text template is displayed.
4. After confirmation, press  [Back] to return to template list.

Deleting Text Templates

1. Perform steps 1 to 3 in “Adding Phrases to Text Templates”.
2. Select the text template you wish to delete by pressing  or , then press .
3. Press  or  to select “Delete”, then press .

4. Select “Yes”, then press .

The selected text template is deleted.

To cancel deletion, select “No” at step 4, then press

.

Memory Status (M 2-5)

This function helps you to check the memory status of the Galleries.

1. Press  to display the Main Menu.
2. Press  or  to select “My Phone”, then press .
3. Press  or  to select “Memory Status”, then press .

Fun & Games (M 3)

Java™ (M 3-1)

Settings (M 3-1-2)

Operation Priority

You can set the method of incoming phone calls and alarm whilst a Java™ application is operated.

1. Press  to display the Main Menu.
2. Press  or  to select “Fun & Games”, then press .
3. Press  or  to select “Java™”, then press .
4. Press  or  to select “Settings”, then press .
5. Select “Operation Priority”, then press .
6. Select the option you wish to set by pressing  or , then press .

The options available are:

- “Incoming Call”
 - “Alarm”
7. Press  or  to select methods, then press .

- “Priority”:
The Java™ application is suspended automatically, and you can receive the call or alarm will sound. After finishing the call or alarm, the suspend icon () is displayed and you will know there is a suspended Java™ application.
- “Notice”:
The marquee (character scrolls) is displayed on the first line on the screen whilst the Java™ application continues. If you press , the Java™ application is suspended, and you can receive the call. After finishing the call, the suspend icon () is displayed and you will know there is a suspended Java™ application.

Sound Volume

You can set the sound volume of the Java™ application such as sound effect to one of the five levels or silent. When “Ringer Volume” (p. 67) is set to “Silent”, the set up has a priority.

1. Perform steps 1 to 4 in “Operation Priority”.
2. Press  or  to select “Sound Volume”, then press .
The current volume level is displayed.
3. Press  to increase the volume or press  to decrease the volume and then press .

Backlight

You can select the method of backlight during the operation of the Java™ application from the following three types:

- “On”: Lit whilst the Java™ application is operated.
 - “Off”: Unlit whilst the Java™ application is operated even if a key is pressed.
 - “Normal Settings”: Works with the main backlight setting. (p. 88)
1. Perform steps 1 to 4 in “Operation Priority” on page 51.
 2. Press ▲ or ▼ to select “Backlight”, then press (M).
 3. Select “On/Off”, then press (M).
 4. Select “On”, “Off” or “Normal Settings” by pressing ▲ or ▼, then press (M).

To Set the Blinking Operation

You can set whether the blinking operation, which is embedded in Java™ application, is enabled.

1. Perform steps 1 and 2 in “Backlight”.
2. Press ▲ or ▼ to select “Blink”, then press (M).

3. Select “On” or “Off” by pressing ▲ or ▼, then press (M).

Vibration

When vibrator is set in the Java™ application, you can choose whether the operation is enabled or disabled.

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

Note

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

1. Perform steps 1 to 4 in “Operation Priority” on page 51.
2. Press ▲ or ▼ to select “Vibration”, then press (M).
3. Press ▲ or ▼ to select “Enable”, “Disable” or “Link to Sound”, then press (M).
When you set “Link to Sound”, the Java™ application is synchronised with the vibrator.

Online Services

You can adjust the display settings of the confirmation screen when a Java™ application attempts to connect to the network.

1. Perform steps 1 to 4 in “Operation Priority” on page 51.
2. Press ▲ or ▼ to select “Online Services”, then press M.
3. Press ▲ or ▼ to select “Yes”, then press M.
To cancel confirmation, select “No”, then press M.

Java™ Reset

To reset all settings in a Java™ application

1. Perform steps 1 to 4 in “Operation Priority” on page 51.
2. Press ▲ or ▼ to select “Java™ Reset”, then press M.
3. Enter your handset code, then press M.
If you enter a wrong handset code, the screen will return to step 4 in “Operation Priority” on page 51.
4. Select “Settings Reset”, then press M.

5. Press ▲ or ▼ to select “Yes”, then press M.
All settings in a Java™ application will be reset.
To cancel resetting, select “No”, then press M.

To clear all Java™ applications

All Java™ applications stored in Java™ Gallery are cleared.

1. Perform steps 1 to 4 in “Operation Priority” on page 51.
2. Press ▲ or ▼ to select “Java™ Reset”, then press M.
3. Enter your handset code, then press M.
If you enter a wrong handset code, the screen will return to step 4 in “Operation Priority” on page 51.
4. Press ▲ or ▼ to select “All Clear”, then press M.
5. Press ▲ or ▼ to select “Yes”, then press M.
All Java™ applications are cleared.
To cancel clearing, select “No”, then press M.

Java™ Information (M 3-1-3)

The information about the license of Java™ can be displayed.

Games (M 3-2)

Your phone comes complete with 3 games (Penalty Kick, Collection Hunter, Air Hockey).

You can enjoy these 3 games soon after purchase. You can also enjoy various games by downloading Java™ application games provided in the Internet sites.

Starting Games

1. Press  to display the Main Menu.
2. Press  or  to select “Fun & Games”, then press .
3. Press  or  to select “Games”, then press .
The game list is displayed.
4. Press  or  to select the desired game, then press .
5. Select “New Game”, then press .
6. When you have finished playing, press .

Note

- If an incoming call is detected during gameplay, the game will be stopped.

Game Guide

1. Perform steps 1 to 4 in “Starting Games”.
2. Press  or  to select “Guide”, then press .
Game instructions are displayed.

Collection Hunter (M 3-2-2)

Check of a collection and reset of a game can be performed in “Collection Hunter”.

To Check Collection

1. Perform steps 1 to 3 in “Starting Games”.
2. Press  or  to select “Collection Hunter”, then press .
3. Press  or  to select “Collection View”, then press .

To Reset the Game

1. Perform steps 1 to 3 in “Starting Games”.
2. Press  or  to select “Collection Hunter”, then press .
3. Select “Reset Game”, then press .
4. Press  or  to select “Yes”, then press .

Air Hockey (M 3-2-3)

The level of the game can be chosen for “Air Hockey”.

To Select a Game Level

1. Perform steps 1 to 3 in “Starting Games” on page 54.
2. Press  or  to select “Air Hockey”, then press .
3. Press  or  to select “Level”, then press .
4. Press  or  to select the level, then press .

Setting up Game Options (M 3-2-4)

1. Perform steps 1 to 3 in “Starting Games” on page 54.
2. Press  or  to select “Game Settings”, then press .
3. Press  or  to select “Backlight” or “Enable Vibrate” to change the settings, then press .
4. Press  or  to select “On” or “Off”, then press .
5. Press  or  to select “Sound Volume” to adjust the sound volume, then press .
6. Press  to increase the sound volume or press  to decrease the sound volume and then press .

Note

- If you wish to mute the sound during gameplay, press . Press  again to return the volume.

Melody Editor (M 3-3)

You can create an original ringing tone by yourself, or you can send a melody attached to an MMS.

You can input up to 190 tones × 16 chords, or 380 tones × 8 chords per melody.

The original ringing tone is registered in the Sound Gallery.

Creating Your Original Ringing Tone (M 3-3-1)

1. Press  to display the Main Menu.
2. Press  or  to select “Fun & Games”, then press .
3. Press  or  to select “Melody Editor”, then press .
4. Select “Create New”, then press .
5. Enter the title.
Up to 24 characters can be entered.
For details on entering characters, see “Entering Characters” on page 24.
6. Press .

7. Press or to select a tempo, then press .

The music tempo is described below.

- “Allegro (Fast)”: 150
- “Moderato (Normal)”: 125
- “Andante (Slow)”: 107
- “Adagio (Very Slow)”: 94

Tempo is defined by the number of crotchets () played per minute.

8. Select “8 Chords” or “16 Chords” by pressing or , then press .

9. Specify the musical scale and rest using the digit keys.

For details on specifying the sound level and rest, see “Specify the Musical Scale and Rest” on page 57.

10. Specify the types of musical notes or rest using or keys.

For details on specifying the musical notes and rest, “Specifying the Types of Notes and Rests” on page 57.

11. Press key after inputting one note.

Input the next note after the cursor moves to the right.

12. Repeat steps 9 to 11 to input notes.

When you press during input, the melody that you have entered is played back.

When you press [Options] and select “Play before Cursor” whilst entering notes, the melody, that is displayed on the screen, is played back up to the cursor position.

When you press [Options] and select “Select Chord”, you can select another chord. Repeat steps 9 to 11 to input notes for the new chord.

13. When you finish inputting, press [Options] to display the Options Menu.

14. Select “Save”, then press .

15. Press or to select “Save to Gallery”, then press .

Your original ringing tone is registered in the Sound Gallery.

Note

- *If the capacity or memory in the Sound Gallery becomes insufficient, the message of “Maximum Capacity : 80 Not registered” or “Not registered. Memory Full” is displayed respectively. At that time, the display returns to the screen of step 15. Try again after deleting unnecessary data (p. 48).*

Specify the Musical Scale and Rest

Using the key shown below, specify the musical scale and rest.

Do	Re	Mi	Fa	Sol	La	Ti	Rest
1 _{oo}	2 _{ABC}	3 _{DEF}	4 _{G4}	5 _{JKL}	6 _{MNO}	7 _{PQRS}	0 ₋

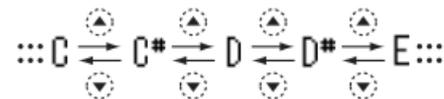
When you press the key shown above once, a crotchet is specified in the middle scale (no mark).

When you press the same key repeatedly, the note will shift cycle through the available octave ranges.



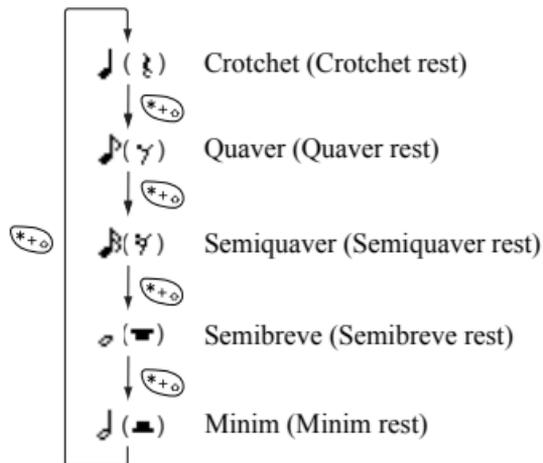
When you press or whilst a note is selected, the note will raise one semitone higher or lower.

When entering rest: Crotchet rest is entered.

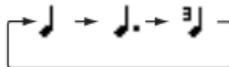


Specifying the Types of Notes and Rests

Specify notes and rests by pressing or repeatedly.



When you make a dotted note or triplet, press after selecting the target note.



Note

- You cannot make a dotted semiquaver (semiquaver rest) or a dotted semibreve (semibreve rest).
- Three continuous notes are required for triplet.

To specify a tie, press  after selecting the target notes.

An underscore (_) is displayed next to the note, and the note is tied with the next one.

To enter the next note, press  and move the cursor to the right. Then, repeat the operation on the previous page.

If the cursor is positioned next to a note, you can repeat the note immediately left of the cursor when  or  is pressed.

Set the Tone

The phone can play notes using different instruments.

1. Perform steps 1 to 13 in “Creating Your Original Ringing Tone” on page 55.
2. Press  or  to select “Tone Set”, then press .
3. Select a category of the tone by pressing  or .
4. Select a tone by pressing  or , then press . When “Play Current Chord” is selected, the melody entered is played back in the selected tone. When “Confirm Tones” is selected, the syllable names are played back in the selected tone.
5. Select “OK”, then press .

Now you can create a melody.

You can select from the following 128 tones.

Category	Tone	Category	Tone
Pianos	Piano	Chimes	Celesta
	Bright Piano		Glockenspiel
	E. Grand Piano		Music Box
	Honky-Tonk		Vibraphone
	Electric Piano 1		Marimba
	Electric Piano 2		Xylophone
	Harpichord		Tubular Bells
	Clavi		Dulcimer

Category	Tone	Category	Tone
Organs	Drawbar Organ Perc. Organ Rock Organ Church Organ Reed Organ Accordion Harmonica Tango Accordion	Guitars	Nylon Guitar Steel Guitar Jazz Guitar Clean Guitar Muted Guitar Overdriven Gtr. Distortion Gtr. Gtr. Harmonics
Basses	Acoustic Bass Finger Bass Pick Bass Fretless Bass Slap Bass 1 Slap Bass 2 Synth Bass 1 Synth Bass 2	Strings 1	Violin Viola Cello Contrabass Tremolo Strings Pizz. Strings Harp Timpani
Strings 2	Str. Ensemble 1 Str. Ensemble 2 Synth Strings 1 Synth Strings 2 Choir Aahs Voice Oohs Synth Voice Orchestra Hit	Brasses	Trumpet Trombone Tuba Muted Trumpet French Horn Brass Section Synth Brass 1 Synth Brass 2

Category	Tone	Category	Tone
Reeds	Soprano Sax Alto Sax Tenor Sax Baritone Sax Oboe English Horn Bassoon Clarinet	Flutes/ Pipes	Piccolo Flute Recorder Pan Flute Blown Bottle Shakuhachi Whistle Ocarina
Synth Leads	Square Lead Sawtooth Lead Calliope Lead Chiff Lead Charang Lead Voice Lead Fifth Lead Bass & Lead	Synth Pads	New Age Pad Warm Pad Polysynth Pad Choir Pad Bowed Pad Metallic Pad Halo Pad Sweep Pad
Synth Effects	Rain Soundtrack Crystal Atmosphere Brightness Goblins Echoes Science Fiction	Ethnics	Sitar Banjo Shamisen Koto Kalimba Bagpipe Fiddle Shanai

Category	Tone	Category	Tone
Percussions	Tinkle Bell	Effects	Gtr. Fret Noise
	Agogo		Breath Noise
	Steel Drums		Seashore
	Woodblock		Bird Tweet
	Taiko Drums		Telephone
	Melodic Tom		Ring
	Synth Drum		Helicopter
	Reverse		Applause
	Cymbal		Gunshot
Original	Original 1 (Piano)*		
	Original 2 (Glockenspiel)*		
	Original 3 (Reed Organ)*		
	Original 4 (Nylon Guitar)*		
	Original 5 (Violin)*		

* The default setting tone.

To create your original tone, see “Creating Your Original Tone” on page 64.

Setting the Strength of the Original Ringing Tone
The strength of the original ringing tone can be set in 3 levels for each melody.

When you purchase this phone, the strength of the original ringing tone is set to “forte (Loud)”.

1. Perform steps 1 to 13 in “Creating Your Original Ringing Tone” on page 55.
2. Press  or  to select “Strength Set”, then press .
3. Select a strength of the tone by pressing  or , then press .
When “Play Current Chord” is selected, the original ringing tone entered is played back in the selected strength of the tone.
4. Select “OK”, then press .
Now you can create an original ringing tone.

Deleting an Original Ringing Tone

Perform steps 1 to 4 in “Deleting Sounds” on page 48.

Editing Original Ringing Tones

1. Perform steps 1 to 3 in “Creating Your Original Ringing Tone” on page 55.
2. Press  or  to select “Existing Melodies”, then press .

3. Press  or  to select an original ringing tone you wish to edit, then press  [Options].
The Options Menu is displayed.
4. Press  or  to select “Data Edit”, then press .
5. Edit the title and press .
6. Press  or  to select a tempo, then press .
7. Press  or  to select the number of chords, then press .
8. Select a note you wish to change by pressing  or , then edit notes.
For details on editing tones, see “Tone Editor” on page 62.
When you add notes, enter the note correctly on the cursor.
To delete a note, press  [Clear] briefly.
Press and hold  [Clear] to clear all tones.
9. When you finish editing, press  [Options] to display the Options Menu.
10. Select “Save”, then press .
11. Select “Save to Gallery”, then press .
12. Press  or  to select “Over Write”, then press .

The original ringing tone is changed.
If you select “New”, the melody before the correction is not modified. The original ringing tone is registered as a new original ringing tone.

Note

- When the number of chords is modified in step 7, the confirmation screen may be displayed. When you select “Yes”, a section of the melody may be deleted.
- When you are going to add notes in step 8, you cannot add any notes if you have already entered 380 notes (for 8 chords melodies) or 190 notes (for 16 chords melodies).

Tip

- To delete the continuous melody, press  [Options] and then press  after selecting “DEL after Cursor” or “DEL before Cursor.” You can delete the melody after the cursor or before the Cursor.

Copying and Pasting Notes

You can copy and move a part of a melody to another position.

Only original ringing tones or editable melodies can be copied or moved.

1. Perform steps 1 to 7 in “Editing Original Ringing Tones” on page 60.
2. Press  [Options] to display the Options Menu.
3. Press  or  to select “Copy” or “Cut”, then press .
4. Move the cursor to the first note to be copied or to be cut and press .
5. Move the cursor to the last note to highlight the area and press .

The highlighted area will be saved temporarily in the memory.

6. Press  [Options] to display the Options Menu.
 7. Press  or  to select “Paste”, then press .
 8. Move the cursor to the point you wish to paste the notes, then press .
- Saved notes are pasted.

Tone Editor (M 3-4)

You can make a tone and use it for the original ringing tone.

Up to five types of tones can be registered respectively for 8 chords and 16 chords.

FM Sound Source

Various types of tones can be composed by combining the functions that generate one sine wave called an “Operator”. The combination of the operator is called an algorithm.

The operator acts as the modulator (modulating part) or the carrier (modulated part) depending on the algorithm.

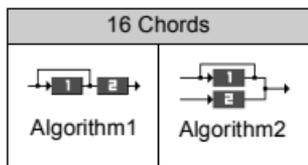
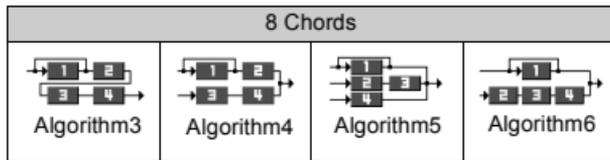


- In each operator, various parameters such as multiple or envelope can be set.
- By setting the feedback to the specified operator, wider tone ranges can be created.

Setting an Algorithm

Set the combination of the operator.

Select from 4 types of combinations in 8 chords, and 2 types in 16 chords.



1 (Green number): The modulator (modulating part)

2 (White number): The carrier (modulated part)

Setting the Operator

The meaning and content of the parameter that can be set to the operator is described below.

Parameter	Meaning
Multiple (13 levels)	When the value of the carrier is large, the sound becomes high. You can set various types of notes by changing the values of the modulator.
Envelope (Continuous /Decay)	This sets continuous same note or fade-out.
Sustain (On/Off)	This sets a note to be sustained after completing the note. If you want to have a note with reverberation, set this function on.
Key Scale Rate (2 levels)	Set the function to "2" if you want to a short note.
Key Scale Level (4 levels)	This function sets the rate of reducing the volume as a note becomes higher.
Total Level (64 levels)	In the carrier, the volume becomes large as this level becomes higher. In the modulator, the melody becomes brighter as this level becomes higher. The melody becomes softer as this level becomes smaller.
Attack Rate (15 levels)	This sets the time from the beginning of the sound to the maximum volume.

Parameter	Meaning
Decay Rate (16 levels)	This sets the time from the maximum volume to the volume of the sustain level.
Sustain Level (16 levels)	In sustaining note, this displays the volume of the sound that continues to produce. In fading-out note, this displays the volume when the note starts fading-out.
Release Rate (16 levels)	In sustaining note, this displays the sustaining time from note completion to no sound. In fading-out note, this displays the time from starting fade-out to no sound.
Wave Shape (8 types)	Select the basic wave type from eight types. <div style="display: flex; justify-content: space-around; text-align: center;"> <div>Type 1 </div> <div>Type 2 </div> <div>Type 3 </div> <div>Type 4 </div> </div> <div style="display: flex; justify-content: space-around; text-align: center; margin-top: 10px;"> <div>Type 5 </div> <div>Type 6 </div> <div>Type 7 </div> <div>Type 8 </div> </div>
Vibrato (4 levels/ Off)	Set the vibrato. If the vibrato is used, select from 4 levels.
Tremolo (4 levels/ Off)	Set the tremolo. If the tremolo is used, select from 4 levels.
Feedback (8 levels)	Set the level of modulation in the modulator feedback for Operator 1.

Set the Effect Frequency

Define the frequency of the vibrato or tremolo.

The frequency becomes faster as the figure increases.

Creating Your Original Tone

1. Press **(M)** to display the Main Menu.
2. Press **(▲)** or **(▼)** to select “Fun & Games”, then press **(M)**.
3. Press **(▲)** or **(▼)** to select “Tone Editor”, then press **(M)**.
4. Select “For 8 Chords” or “For 16 Chords” by pressing **(▲)** or **(▼)**, then press **(M)**.
5. Select the number you wish to register and press **(M)**.
6. Press **(▲)** or **(▼)** to select “Rename”, then press **(M)**.
7. Enter the title.
Up to 16 characters can be entered.
For details on entering characters, see “Entering Characters” on page 24.
8. Press **(M)**.
9. Press **(▲)** or **(▼)** to select “Base Tone Set”, then press **(M)**.
10. Select a category of the tone by pressing **(◀)** or **(▶)**.

11. Select a base tone by pressing ▲ or ▼, then press (M).

When “Confirm Tones” is selected, the syllable names are played back in the selected tone.

12. Select “OK”, then press (M).

13. Press ▲ or ▼ to select “Details Editor”, then press (M).

14. Press ▲ or ▼ to select “Algorithm x”, then press (M).

15. Select an algorithm you wish to set by pressing ▲ or ▼, then press (M).

If you do not wish to change the operator, skip to step 20.

16. Select an operator you wish to change by pressing ▲ or ▼, then press (M).

The basic note parameter is set in advance.

17. Select a parameter you wish to change by pressing ▲ or ▼.

18. Press ◀ or ▶ to change the content of the parameter.

For details of parameter, see pages 63 to 64.

When you press (M), the syllable names are played back in the selected content of the parameter.

Repeat steps 17 and 18 to change another content of the parameter.

19. Press ▲ or ▼ to select “Setup End”, then press (M).

If you do not wish to change the effect frequency, skip to step 22.

20. Press ▲ or ▼ to select “Effect Frequency”, then press (M).

21. Select the effect frequency you wish to set by pressing ▲ or ▼, then press (M).

22. Press ▲ or ▼ to select “Details End”, then press (M).

23. Press ▲ or ▼ to select “Save”, then press (M).

Your original tone is registered.

Profiles(M 4)

You can easily alter the phone tone (e.g. the ringer volume, keypad tones, etc.) according to your environment.

Tone sound and vibration set can be customized for each profile.

There are 5 profiles including one user definable profile:

- Normal
- Meeting
- Activity
- Car
- Silent

Activating a Profile

1. Press **(M)** to display the Main Menu.
2. Press **(▲)** or **(▼)** to select “Profiles”, then press **(M)**.
3. Select the profile you wish to activate by pressing **(▲)** or **(▼)**, then press **(M)**.
4. Press **(▲)** or **(▼)** to select “Activate”, then press **(M)**.
The profile will now be activated.

Note

- When a profile is set, the icon which corresponds to the profile name appears in the stand-by screen:
 -  **Normal:** Is the default setup. (not displayed in the stand-by screen)
 -  **Meeting:** For use when discretion is needed.
 -  **Activity:** For use in busy environments.
 -  **Car:** For use in the car. (connected to a hands free kit)
 -  **Silent:** For use when silence is needed. All sounds are muted and you are alerted to calls with the vibrator.

Tip

- You can also activate a profile by pressing and holding **(H)** for approximately 2 seconds instead of steps 1 and 2.

Customising Profiles

1. Perform steps 1 and 2 in “Activating a Profile”.
2. Select the profile you wish to customise by pressing **(▲)** or **(▼)**, then press **(M)**.
3. Press **(▲)** or **(▼)** to select “Edit”, then press **(M)**.
4. Select the setting you wish to customise by pressing **(▲)** or **(▼)**, then press **(M)**.

5. Change the setting you want.

For details about settings, see pages 67 to 71.

Resetting Profile Settings

1. Perform steps 1 and 2 in “Activating a Profile” on page 66.
2. Select the profile you wish to reset by pressing  or , then press .
3. Press  or  to select “Edit”, then press .
4. Press  or  to select “Set to Default”, then press .
5. Enter your handset code, then press .
6. Press  or  to select “Yes”, then press .
7. To cancel the resetting, select “No”, then press .

Note

- If you enter a wrong handset code in step 5, the screen returns to step 4.

Ringer Volume

You can adjust the ringer volume to one of 5 levels.

When it is set to “Silent”, the volume of games and Java™ applications is muted.

1. Perform steps 1 to 3 in “Customising Profiles” on page 66.
2. Press  or  to select “Ringer Volume”, then press .
The current volume level is displayed.
3. Press  to increase the ringer volume or press  to decrease the ringer volume and then press .
To select “Step Tone”, press  at level 5.
To select “Silent”, press  at level 1.

Ringer Type

You can select the ringing tone from 30 tones including 5 patterns, 15 sound effects and 10 melodies. You can also select a sound in the Sound Gallery as the default ringing tone excluding the WAVE format.

1. Perform steps 1 to 3 in “Customising Profiles” on page 66.
2. Press  or  to select “Assign Melody”, then press .

3. Press or to select “Preset Melody” or “Sound Gallery”, followed by .
4. Select the ringing tone you wish to use by pressing or .
If you wish to hear the demo, press [Play].
To stop playing, press [Stop].
5. When selection is complete, press .

Vibration

When the vibrator option is set to on, the phone will vibrate for incoming calls regardless of the ringer volume and tone settings.

1. Perform steps 1 to 3 in “Customising Profiles” on page 66.
2. Press or to select “Vibration”, then press .
3. Press or to select “Enable”, “Disable” or “Link to Sound”, then press .

Tip

- When “Link to Sound” is selected in step 3, melodies are synchronised with the vibrator for the ringing tone. However, this function may not work depending on data.
- When you select “Enable” or “Link to Sound” in step 3, “” appears on the stand-by screen.

Keypad Tones

When the keypad tone is set to on, you will hear a confirmation tone each time you press a numerical key.

1. Perform steps 1 to 3 in “Customising Profiles” on page 66.
2. Press or to select “Keypad Tones”, then press .
3. Press or to select “On” or “Off”, then press .
If you select “Off”, the screen returns to step 1.
4. Set “Volume”, then press .
5. Press to increase the volume or press to decrease the volume, then press .
6. Press or to select “Melody”, then press .
7. Press or to select either “Preset Melody”, “Sound Gallery” or “Default Tone”, then press .

When you select “Preset Melody” or “Sound Gallery” in step 7:

8. Select the keypad tone.

For details on selecting a ringing tone, see “Ringer Type” on page 67.

9. Press ▲ or ▼ to select “Duration”, then press **M**.

10. Set the duration by pressing ▲ or ▼, then press **M**.

Warning Tone

This function enables your phone to emit the warning tone when an error occurs.

1. Perform steps 1 to 3 in “Customising Profiles” on page 66.

2. Press ▲ or ▼ to select “Warning Tone”, then press **M**.

3. Press ▲ or ▼ to select “On” or “Off”, then press **M**.

If you select “Off”, the screen returns to step 1.

4. Select “Volume”, then press **M**.

5. Press ▲ to increase the volume or press ▼ to decrease the volume, then press **M**.

6. Press ▲ or ▼ to select “Melody”, then press **M**.

7. Press ▲ or ▼ to select “Preset Melody” or “Sound Gallery”, then press **M**.

8. Select the warning tone.

For details on selecting a ringing tone, see “Ringer Type” on page 67.

9. Press ▲ or ▼ to select “Duration”, then press **M**.

10. Select the duration by pressing ▲ or ▼, then press **M**.

Power On/Off Sound

You can set up to emit a sound and select the melody, volume and duration when the phone is turned on or off.

1. Perform steps 1 to 3 in “Customising Profiles” on page 66.

2. Press ▲ or ▼ to select “Power On Sound” or “Power Off Sound”, then press **M**.

3. Press ▲ or ▼ to select “On” or “Off”, then press (M).
- If you select “Off”, the screen returns to step 1.
4. Select “Volume”, then press (M).
5. Press ▲ to increase the volume or press ▼ to decrease the volume and then press (M).
6. Press ▲ or ▼ to select “Melody”, then press (M).
7. Press ▲ or ▼ to select “Preset Melody” or “Sound Gallery”, then press (M).
8. Select the ringing tone.
For details on selecting a ringing tone, see “Ringer Type” on page 67.
9. Press ▲ or ▼ to select “Duration”, then press (M).
10. Enter the duration of ringing tone in 2 digits (01 to 10 seconds) using the digit keys, then press (M).

Message Alert

When receiving messages, special ring tones can be set.

1. Perform steps 1 to 3 in “Customising Profiles” on page 66.
2. Press ▲ or ▼ to select “Message Alert”, then press (M).
3. Press ▲ or ▼ to select “MMS”, “SMS” or “WAP”, then press (M).
4. Select “Volume”, then press (M).
5. Press ▲ to increase the volume or press ▼ to decrease the volume and then press (M).
6. Press ▲ or ▼ to select “Melody”, then press (M).
7. Press ▲ or ▼ to select “Preset Melody” or “Sound Gallery”, then press (M).
8. Select the ringing tone.
For details on selecting a ringing tone, see “Ringer Type” on page 67.
9. Press ▲ or ▼ to select “Vibration”, then press (M).
10. Press ▲ or ▼ to select “Enable”, “Disable” or “Link to Sound”, then press (M).

11. Press  or  to select “Duration”, then press .
12. Enter the duration of ring tone in 2 digits (01 to 99 seconds) using the digit keys, then press .

Low Battery Alert

Adjust the volume of the alarm when the battery becomes low.

1. Perform steps 1 to 3 in “Customising Profiles” on page 66.
2. Press  or  to select “Low Battery Alert”, then press .
3. Press  to increase the volume or press  to decrease the volume and then press .

Any Key Answer

1. Perform steps 1 to 3 in “Customising Profiles” on page 66.
2. Select “Any Key Answer”, then press .
3. Select “On” or “Off” by pressing  or , then press .

Organiser (M 5)

Calculator (M 5-1)

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

1. Press **(M)** to display the Main Menu.
2. Press **(▲)** or **(▼)** to select “Organiser”, then press **(M)**.
3. Select “Calculator”, then press **(M)**.
4. Select “Calculator”, then press **(M)**.
The calculator appears on the display.
5. Key operations for calculation are as follows.



- To enter a decimal point, press **(.)**.
- To clear the entered number or operand, press **(C)**.
- To do the calculations, press **(=)**.

6. If you wish to start a new calculation, press **(C)**.
When calculation is complete, 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 (M 5-1-2)

1. Perform steps 1 to 3 in “Calculator”.
2. Press **(▲)** or **(▼)** to select “Exchange Rate”, then press **(M)**.
3. Press **(▲)** or **(▼)** to select “Foreign → Domestic” or “Domestic → Foreign”, then press **(M)**.
To delete all digits, press **(C)** [Clear].
4. Enter the currency conversion rate, then press **(M)**.

To Convert a Value

1. Perform steps 1 to 4 in “Calculator”.
2. Enter the value to be converted, then press **(M)**.

3. Press  or  to select “In Domestic” or “In Foreign”, then press .
The result is displayed.
If you select “Exchange Rate” in step 3, you can set a currency conversion rate.
4. When calculation is complete, press .

Note

- You cannot perform step 2 when a sign of the four fundamental processes of arithmetic is displayed.

Calendar (M 5-2)

The Calendar function helps you organise and manage your busy schedule. You can view the stored schedule on a monthly basis.

1. Press  to display the Main Menu.
 2. Press  or  to select “Organiser”, then press .
 3. Press  or  to select “Calendar”, then press .
- The current month will be displayed and current date will be highlighted.
4. Select the day for the schedule by pressing , ,  or , then press .

5. Press  or  and select the note number, then press .
6. Enter the schedule content, press .
Up to 3 schedule items can be stored.
For details on entering characters, see “Entering Characters” on page 24.
If you wish to add another item, repeat steps 5 and 6.
7. When you have finished entering, press  [Back].
The screen returns to the calendar. Dates with scheduled tasks/meetings are underlined.

Note

- The calendar can be displayed for dates from January 2000 through to December 2099.

Find a Particular Date

You can move the view to a specified date in the calendar.

1. Press  [Options] to display the Option Menu.
 2. Select “Go to Date”, then press .
 3. Enter the date of the calendar that you wish to display, then press .
- The specified date is displayed.

Deleting Schedules

To Delete Schedule Items

1. Perform steps 1 to 3 in “Calendar” on page 73.
 2. Select the day by pressing , ,  or , then press .
 3. Select the item you wish to delete by pressing  or , then press  [Options].
The Options Menu is displayed.
 4. Press  or  to select “Delete”, then press .
 5. Select “1 Data”, then press .
 6. Select “Yes”, then press .
- To cancel deleting, select “No” at step 6, then press .

To Delete All Scheduled Tasks/Meetings for a Specific Day

1. Perform steps 1 to 3 in “Calendar” on page 73.
2. Select the day you wish to delete by pressing , ,  or , then press  [Options].
The Options Menu is displayed.
3. Press  or  to select “Delete”, then press .
4. Select “1 Day” to delete all contents for a day, then press .

5. Select “Yes”, then press .
- To cancel deleting, select “No” at step 5, then press .

To Delete All Scheduled Entries

1. Perform steps 1 to 3 in “Calendar” on page 73.
 2. Press  [Options] to display the Options Menu.
 3. Press  or  to select “Delete” to delete all scheduled entries, then press .
 4. Press  or  to select “All Data” to delete all scheduled entries, then press .
 5. Select “Yes”, then press .
- To cancel deleting, select “No” at step 3, then press .

Clock & Alarm (M 5-3)

You need to set the correct time and date in order for your phone’s various time-based functions to work correctly.

Setting the Date and Time (M 5-3-4)

1. Press  to display the Main Menu.
2. Press  or  to select “Organiser”, then press .
3. Press  or  to select “Clock & Alarm”, then press .

4. Press or to select “Set Date/Time”, then press .
5. Enter the day, month, year and time using the digit keys, then press .

When you enter the time in a 12-hour clock format, press and change am/pm.

The order in which the date and time appears is based on the format setting. See “To Select the Date Format”.

To Select the Time System

1. Perform steps 1 to 3 in “Setting the Date and Time” on page 74.
2. Press or to select “Clock Settings”, then press .
3. Select “Time Format”, then press .
4. Press or to select “12 hour” or “24 hour”, then press .

To Select the Date Format

The date format can be switched between “Day-Month-Year”, “Month-Day-Year” or “Year-Month-Day”.

1. Perform steps 1 to 3 in “Setting the Date and Time” on page 74.
2. Press or to select “Clock Settings”, then press .

3. Press or to select “Date Format”, then press .
4. Press or to select “D-M-Y”, “M-D-Y” or “Y-M-D”, then press .

To Set the Clock Display

1. Perform steps 1 to 3 in “Setting the Date and Time” on page 74.
2. Press or to select “Clock Settings”, then press .
3. Press or to select “Display Format”, then press .
4. Press or to select “Time Only”, “Date Only” or “Date & Time”, then press .
To set hide clock, select “Off” at step 4, then press .
When “Wallpaper” is set to “On”, the date is not displayed in the main screen.

To Set Daylight Saving Time

You can switch to daylight saving time without changing the clock time itself.

1. Perform steps 1 to 3 in “Setting the Date and Time” on page 74.

2. Press or to select “Clock Settings”, then press .
3. Press or to select “Daylight Saving”, then press .
4. Press or to select “On”, then press .

Setting the Time Zone (M 5-3-3)

1. Perform steps 1 to 3 in “Setting the Date and Time” on page 74.
2. Press or to select “Set Time Zone”, then press .
3. Select “Change Zone”, then press .
4. Press or to set the home city, then press .

To Customise the Time Zone

1. Perform steps 1 to 3 in “Setting the Date and Time” on page 74.
2. Press or to select “Set Time Zone”, then press .
3. Press or to select “Set Custom Zone”, then press .
4. Enter the time using the digit keys, then press . Each press of switches - and +.

Setting Alarm (M 5-3-1)

Alarm function allows you to be alerted at a specified time.

Note that the alarm may not function correctly if the clock has not been set.

1. Press to display the Main Menu.
2. Press or to select “Organiser”, then press .
3. Press or to select “Clock & Alarm”, then press .
4. Select “Set Alarm”, then press .
5. Select “List Alarms”, then press .
6. Press or to select the desired alarm number, then press . Up to 5 alarm times can be specified.
7. Select “Set Time”, then press .
8. Enter the alarm time using the digit keys, then press . When you enter the alarm time in a 12-hour clock format, press and change am/pm.
9. Press or to select “Repeat Daily”, then press .

10. Press  or  to select “On” or “Off”, then press .
11. Press  or  to select “Alarm Status”, then press .
12. Press  or  to select “On”, then press .
13. Press  [Save].

To Change the Type of Alarm Tone

1. Perform steps 1 to 6 in “Setting Alarm” on page 76.
2. Press  or  to select “Alarm Tone”, then press .
3. Select “Melody”, then press .
4. Press  or  to select “Preset Melody” or “Sound Gallery”, then press .
5. Select the alarm tone.
If you wish to hear the demo play, press  [Play].
To stop playing, press  [Stop].
6. When selection is complete, press .

To Change the Vibration of Alarm

1. Perform steps 1 to 6 in “Setting Alarm” on page 76.
2. Press  or  to select “Alarm Tone”, then press .
3. Press  or  to select “Vibration”, then press .
4. Press  or  to select “Enable”, “Disable” or “Link to Sound”, then press .

To Change the Duration of Alarm

1. Perform steps 1 to 10 in “Setting Alarm” on page 76.
 2. Press  or  to select “Alarm Tone”, then press .
 3. Press  or  to select “Duration”, then press .
- The current duration is displayed.
4. Enter the length of the duration in 2 digits (02 to 59 seconds) using the digit keys, then press .

Changing Alarm Settings

1. Perform steps 1 to 5 in “Setting Alarm” on page 76.
2. Select the number you wish to change by pressing  or , then press .
3. Change Alarm settings.
For details on changing Alarm settings, see “To Change the Type of Alarm Tone” on page 77.

Disabling Alarm Function

1. Perform steps 1 and 2 in “Changing Alarm Settings”.
2. Press  or  to select “Alarm Status”, then press .
3. Press  or  to select “Off”, then press .
4. Press  [Save].
“” disappears from the screen.

Resetting an Alarm Setting

1. Perform steps 1 to 5 in “Setting Alarm” on page 76.
2. Select the number you wish to reset by pressing  or , then press .
3. Press  or  to select “Reset Alarm”, then press .
4. Press  or  to select “Yes”, then press .

Resetting All Alarm Settings

1. Perform steps 1 to 4 in “Setting Alarm” on page 76.
2. Press  or  to select “Reset Alarm”, then press .
3. Press  or  to select “Yes”, then press .

Voice Memo (M 5-4)

This allows you to record a voice message of up to 10 seconds, which can be used to remind you of schedule entries or be sent within an MMS. The recorded voice memo is registered in the Sound Gallery.

Recording a Voice Memo

1. Press  to display the Main Menu.
2. Press  or  to select “Organiser”, then press .
3. Press  or  to select “Voice Memo”, then press .
4. Press  to start recording.
To stop recording before the recording time is over, press  [Stop].

5. Select “Save” to save the voice memo, then press .

If you wish to exit the voice memo, press  [Exit], then select “Yes”.

Tip

- You can also record a voice memo by pressing  and  instead of steps 1 to 3.
- If you wish to record a voice memo again, select “Record Again” in step 5. The screen will return to step 4.

To Play Back the Saved Voice Memo

1. Perform steps 1 to 4 in “Recording a Voice Memo” on page 78.
 2. Press  or  to select “Playback”, then press .
 3. Press .
- The recorded voice memo is played back.
To stop playback, press  [Stop].

Help List (M 5-5)

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

1. Press  to display the Main Menu.
 2. Press  or  to select “Organiser”, then press .
 3. Press  or  to select “Help List”, then press .
- The help list is displayed.
4. Check the key operation by pressing  and .
 5. When you have finished, press  [Back].

Call Manager (M 6)

Call Log

The phone will record the last 10 missed calls, received calls and dialled numbers.

Viewing Call Log

1. Press  to display the Main Menu.
2. Press  or  to select “Call Manager”, then press .
3. Press  or  to select “Call Register”, then press .
4. Press  or  to select “Missed Calls”, “Received Calls” or “Dialled Numbers”, then press .

The selected call log list is displayed.

5. Select the number you wish to view by pressing  or .

6. Press  [View].

Call record “1” is the most recent.

When you press , call record “2” will be displayed.

If you wish to dial the number, press .

7. When you have finished, press  [Back] to return to step 4.

Tip

- You can also confirm call records by pressing  in stand-by mode.
- You can switch between histories by pressing  or  in step 5 only when you enter by  in stand-by mode.

Sending Messages

1. Perform steps 1 to 5 in “Viewing Call Log”.
2. Select the file name you wish to send by pressing  or , then press .
3. Press  or  to select “Send Message”, then press .
4. Press  or  to select “MMS” or “SMS”, then press .
5. Enter your message.

For details on creating a message, see “Creating a New MMS” on page 110 or “Creating a New SMS” on page 118.

Deleting Call Log

Deleting Single Call Record

1. Perform steps 1 to 5 in “Viewing Call Log”.
2. Press .
3. Press  or  to select “Delete”, then press .

4. Press or to select “Yes”, then press .
The selected call record will be deleted.
To cancel deletion, select “No” in step 4, then press .

To Delete All Call Log (M 6-2-4)

1. Perform steps 1 to 3 in “Viewing Call Log” on page 80.
2. Press or to select “Clear Logs”, then press .
3. Select “All Calls”, then press .
4. Press or to select “Yes”, then press .
All call log records will be deleted.
To cancel deleting, select “No” in step 4, then press .

Tip

- If you select “Missed Calls”, “Received Calls” or “Dialled Numbers” in step 3, the call log in the selected category will be deleted.

Call Timers (M 6-2-5)

This function lets you check the duration of your calls.

Checking the Duration of the Last Call

1. Press to display the Main Menu.
2. Press or to select “Call Manager”, then press .
3. Press or to select “Call Register”, then press .
4. Press or to select “Call Timers”, then press .
5. Select “Last Call”, then press .
The duration of the last call is now displayed.
6. When you have finished, press [Back] to return to call timers menu.

Checking the Total Call Time

1. Press or to select “All Calls”, then press in step 5 in “Checking the Duration of the Last Call”.
2. When you have finished, press [Back].

Resetting All Call Timers

1. Perform steps 1 to 4 in “Checking the Duration of the Last Call” on page 81.
2. Press ▲ or ▼ to select “Clear Timers”, then press .
3. Press ▲ or ▼ to select “Yes”, then press .
To cancel resetting, select “No”, then press .
4. Enter your handset code, then press .
The Call Timers are reset to zero.

Call Costs (M 6-2-6)

This function lets you check the charges for your calls. Charging Advice is not supported on all networks. Please check with your service provider for availability.

Checking the Cost of the Last Call

1. Press  to display the Main Menu.
2. Press ▲ or ▼ to select “Call Manager”, then press .
3. Press ▲ or ▼ to select “Call Register”, then press .
4. Press ▲ or ▼ to select “Call Costs”, then press .
5. Select “Last Call”, then press .
6. The cost of the last call is now displayed.
7. When you have finished, press  [Back] to return to call costs menu.

Checking the Total Call Cost

1. Press ▲ or ▼ to select “All Calls”, then press  in step 5 in “Checking the Cost of the Last Call”.
2. When you have finished, press  [Back].

Setting the Charge Rate

Set the charge rate to calculate the call cost and set the maximum limit for call cost.

1. Perform steps 1 to 4 in “Checking the Cost of the Last Call” on page 82.
2. Press  or  to select “Cost Units”, then press .
3. Press  or  to select “Set Units”, then press .
4. Enter your PIN2 code, then press .
5. Enter a cost per unit, then press .
To enter a decimal point, press .
6. Enter a currency unit (up to 3 characters), then press  [OK].
7. Press  [OK].

Checking the Charge Rate

1. Select “Read Units”, then press  at step 3 in “Setting the Charge Rate”.
The charge rate is now displayed.
2. When you have finished, press  [Back].

Setting the Charge Limit

This function is useful if you wish to make sure you do not exceed a certain charge limit.

1. Perform steps 1 to 4 in “Checking the Cost of the Last Call” on page 82.
2. Press  or  to select “Max Cost”, then press .
3. Press  or  to select “Set Limit”, then press .
4. Enter your PIN2 code, then press .
5. Enter a value, then press .
To enter a decimal point, press .

Checking the Charge Limit

1. Select “Read Limit”, then press  at step 3 in “Setting the Charge Limit”.
The value of the charge limit is now displayed.
2. When you have finished, press  [Back].

Resetting All Call Costs

1. Perform steps 1 to 4 in “Checking the Cost of the Last Call” on page 82.
2. Press ▲ or ▼ to select “Clear Costs”, then press (M).
3. Press ▲ or ▼ to select “Yes”, then press (M).
To cancel resetting, select “No”, then press (M).
4. Enter your PIN2 code, then press (M).
The Call Costs are reset to zero.

Checking the Residual Credit

1. Perform steps 1 to 4 in “Checking the Cost of the Last Call” on page 82.
2. Press ▲ or ▼ to select “Residual Credit”, then press (M).
3. When you have finished, press [Back].

Data Counter (M 6-2-7)

You can confirm the amount of bytes which you used in the GPRS transmission.

1. Press (M) to display the Main Menu.
2. Press ▲ or ▼ to select “Call Manager”, then press (M).
3. Press ▲ or ▼ to select “Call Register”, then press (M).
4. Press ▲ or ▼ to select “Data Counter”, then press (M).
5. Press ▲ or ▼ to select “Last Data” or “All Data”, then press (M).
You can now check the amount of bytes.
6. When you have finished, press [Back].

Resetting All Data Counter

1. Perform steps 1 to 4 in “Data Counter”.
2. Press ▲ or ▼ to select “Clear Counter”, then press (M).
3. Press ▲ or ▼ to select “Yes”, then press (M).
The Data Counter is reset to zero. To cancel resetting, select “No” at step 3, then press (M).

Diverts (M 6-3)

This service is used to divert incoming calls to your voice mail system or to another number depending on certain conditions in which you cannot answer a call.

Divert Calls

1. Press **M** to display the Main Menu.
2. Press **▲** or **▼** to select “Call Manager”, then press **M**.
3. Press **▲** or **▼** to select “Diverts”, then press **M**.
4. Select one of the divert options by pressing **▲** or **▼**, then press **M**.

The divert options available are:

- “All Calls”: Diverts all voice calls without ringing.
- “When Busy”: Diverts incoming calls when you are on a call.
- “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 is out of network service or switched off.

5. Select “On”, then press **M**.
6. If you wish to divert calls to a number which is located in the Phonebook, search for the desired Phonebook entry.
Press **▶** or **☎** [Search] to search the number by name or press **▲** or **▼** to search in alphabetical order, then press **M**. For details on searching the Phonebook entries, see “Finding a Name and Number” on page 32.
7. If you wish to divert calls to a number which you can enter manually, enter the phone number.
8. Press **M**.

If you select “No Answer” in step 4:

9. Enter the period of time using the digit keys (05 to 30 seconds), then press **M**.

Note

- When a divert is set to “All Calls”, “” appears on the stand-by screen.

Tip

- If you select “By Service” in step 5, you can select the divert option further in the selected option in step 4.

Checking the Divert Status

1. Perform steps 1 to 3 in “Divert Calls” on page 85.
2. Select the divert option you wish to check by pressing  or , then press .
3. Press  or  to select “Status”, then press .
You can now check the status of the selected divert option.
4. When you have finished, press  [Back].

Cancelling All Divert Settings

1. Perform steps 1 to 3 in “Divert Calls” on page 85.
2. Press  or  to select “Cancel All”, then press .
3. Press  or  to select “Yes”, then press .
To cancel the resetting, select “No” in step 3, then press .
4. Press  [OK].
All divert settings are cancelled.

To cancel the Divert Settings Individually

1. Perform steps 1 to 3 in “Divert Calls” on page 85.
2. Select the divert option you wish to cancel by pressing  or , then press .
3. Press  or  to select “Off”, then press .
4. Press  [OK].
The selected divert has been cancelled.

Settings (M 7)

Phone Settings (M 7-1)

Changing the Language (M 7-1-1)

You can change the display language that the phone uses for the display messages and text entry.

1. Press **(M)** to display the Main Menu.
2. Press **(▲)** or **(▼)** to select “Settings”, then press **(M)**.
3. Select “Phone Settings”, then press **(M)**.
4. Select “Language”, then press **(M)**.
5. Press **(▲)** or **(▼)** to select the desired language, then press **(M)**.

Wallpaper for the Stand-by Screen (M 7-1-2)

For the stand-by screen, an animation and 3 illustrations are provided.

Pictures taken with the digital camera or images downloaded from a WAP site can be used for wallpapers.

To Set Built-in Animations or Illustrations

1. Perform steps 1 to 3 in “Changing the Language”.
2. Press **(▲)** or **(▼)** to select “Wallpaper”, then press **(M)**.
3. Press **(▲)** or **(▼)** to select “On”, then press **(M)**.
4. Select “Animation” or “Illustration 1” to “Illustration 3” by pressing **(▲)** or **(▼)**, then press **(M)**.
5. Press **(M)** again to set.
The selected animation or illustration is displayed on the stand-by screen.

Note

- *Even if an animation is selected, the stand-by screen displays a static picture/image when you do not operate the phone for about 30 seconds (It is different according to the selected data).*

Tip

- *To cancel the Wallpaper setting, select “Off” in step 5.*

To Set Image Gallery for the Stand-by Screen

1. Perform steps 1 to 3 in “To Set Built-in Animations or Illustrations” on page 87.
2. Press ▲ or ▼ to select “Original”, then press (M).
The file names of the pictures/images that are registered in the Image Gallery is displayed.
3. Select the picture/image by pressing ▲ or ▼, then press (M).
The selected picture/image is displayed.
4. Specify the range for displaying the picture/image by pressing ▲, ▼, ◀ or ▶, then press (M).
The selected picture/image is displayed on the stand-by screen.

Note

- Some pictures/images cannot be used because of their picture/image and data types.

Backlight (M 7-1-3)

You can turn the backlight of the main screen display on or off when you press the keypad or the optional cigarette lighter charger is connected to the phone.

You can change or specify the amount of time the backlight is ON for, which will help conserve battery life.

To Turn On/Off the Backlight

1. Perform steps 1 to 3 in “Changing the Language” on page 87.
2. Press ▲ or ▼ to select “Backlight”, then press (M).
3. Press ▲ or ▼ to select “On/Off”, then press (M).
4. Select “On” to set backlight on or “Off” to set backlight off by pressing ▲ or ▼, then press (M).

When you select “On” in step 4:

5. Enter the duration of the backlight using 2 digits, then press (M).

To Turn On/Off the Backlight whilst Charging with the Cigarette Lighter Charger

1. Perform steps 1 and 2 in “To Turn On/Off the Backlight”.
2. Press ▲ or ▼ to select “In Car”, then press (M).
3. Select “On” to set backlight on or “Off” to set backlight off by pressing ▲ or ▼, then press (M).

Adjust the Brightness of the Backlight (M 7-1-4)

You can adjust the brightness of the backlight of the main screen display at four levels.

1. Perform steps 1 to 3 in “Changing the Language” on page 87.
2. Press ▲ or ▼ to select “Brightness”, then press (M).
3. Press ▲ (Light) or ▼ (Dark) to adjust the brightness for maximum clarity.
4. Press (M).

Note

- *The brightness of the backlight does not affect the brightness of the Sub-Screen.*

Display Saving (M 7-1-5)

This phone’s screen will automatically turn off after a given amount of time if the phone is left open. This is in order to conserve battery life.

You can change the time the Display Saving will go into effect works between 2 and 20 minutes or disable this function.

Tip

- *When you purchase this phone, the Display Saving is set to work 10 minutes later.*

1. Perform steps 1 to 3 in “Changing the Language” on page 87.
2. Press ▲ or ▼ to select “Display Saving”, then press (M).
3. Select “On” to set the Display Saving function on or “Off” to set it off by pressing ▲ or ▼, then press (M).

When you select “On” in step 3:

4. Enter the time until the Display Saving works in two digits (02 to 20 minutes) using the digit keys, then press (M).

Note

- *The Display Saving does not work whilst you are calling, using WAP, or use a Java™ application.*

To Cancel the Display Saving Function

The display saving continues until either a key is pressed or there is an incoming alert. The first key press will only cancel the display saver. You must press another key in order to input any numerical or text value.

Setting the Greeting Message (M 7-1-6)

You can set the message which will appear when the phone is turned on.

1. Perform steps 1 to 3 in “Changing the Language” on page 87.
2. Press  or  to select “Greeting Message”, then press .
3. Press  or  to select “On”, then press .
4. Enter the message, then press .

Up to 16 characters can be stored as a message.
For details on entering characters, see “Entering Characters” on page 24.

Tip

- To cancel the Greeting Message setting, select “Off” in step 3.

Assign Images (M 7-1-7)

Pictures/images can be displayed when turning the power on or off, when receiving an incoming call, or when operating the alarm.

Pictures taken by a digital camera or images downloaded from a WAP site can be used.

To Set Built-in Pictures/Images

1. Perform steps 1 to 3 in “Changing the Language” on page 87.

2. Press  or  to select “Assign Images”, then press .
3. Select the screen to set the picture/image by pressing  or , then press .
4. Select “Animation 1” or “Animation 2” by pressing  or , then press .
- or
Select “Illustration 1” or “Illustration 2” by pressing  or , then press  when you select “Alarm” in step 3.
The selected picture/image is displayed.
5. Press .

Tip

- To cancel the picture/image setting, select “Set to Default” in step 4.

To Set Image Gallery

1. Perform steps 1 to 3 in “To Set Built-in Pictures/Images”.
2. Press  or  to select “Original”, then press .
- The file name of the pictures/images that are registered in the Image Gallery is displayed.

3. Select the picture/image by pressing  or , then press .
The selected picture/image is displayed.
4. Specify the range for displaying the picture/image by pressing , ,  or , then press .

Note

- *Some pictures/images cannot be used because of their picture/image and data types.*

External Display (M7-1-8)

You can change the settings of the Sub-Screen Display.

To Turn On/Off the Sub-Screen Display

You can turn the Sub-Screen Display on or off when the phone is closed.

1. Perform steps 1 to 3 in “Changing the Language” on page 87.
2. Press  or  to select “External Display”, then press .
3. Press  or  to select “LCD On/Off”, then press .
4. Select “On” to set Sub-Screen Display on or “Off” to set Sub-Screen Display off by pressing  or , then press .

To Turn On/Off the Backlight of the Sub-Screen Display

You can turn the backlight of the Sub-Screen Display on or off when the phone is closed.

You can also change or specify the duration of the Sub-Screen Display backlight.

1. Perform steps 1 to 3 in “Changing the Language” on page 87.
 2. Press  or  to select “External Display”, then press .
 3. Press  or  to select “Backlight”, then press .
 4. Select “On” to set backlight on or “Off” to set backlight off by pressing  or , then press .
- When you select “On” in step 4:
5. Enter the duration of the backlight using 2 digits, then press .

To Adjust the LCD Contrast of the Sub-Screen

You may sometimes need to adjust the LCD contrast of the Sub-Screen to suit certain lighting conditions.

1. Perform steps 1 to 3 in “Changing the Language” on page 87.

- Press or to select “External Display”, then press .
- Press or to select “LCD Contrast”, then press .
- Press (Dark) or (Light) to adjust the contrast for maximum clarity.
LCD contrast can be adjusted in 9 levels.
- Press .

Phone Setting Reset (M 7-1-9)

The phone settings can be reset to their default settings.

- Perform steps 1 to 3 in “Changing the Language” on page 87.
 - Press or to select “Set to Default”, then press .
 - Enter your handset code, then press .
 - Press or to select “Yes”, then press .
- To cancel resetting, select “No” in step 4, then press .
- All phone settings are reset.

Note

- If you enter a wrong handset code in step 3, operation is cancelled.

Call Settings (M 7-2)

Set various types of functions and services.

Call Waiting (M 7-2-1)

If you wish to be able to receive another incoming call whilst you have a call in progress, you must activate the Call Waiting service.

- Press to display the Main Menu.
- Press or to select “Settings”, then press .
- Press or to select “Call Settings”, then press .
- Select “Call Waiting”, then press .
- Select “On” to activate the Call Waiting service or “Off” to deactivate it by pressing or , then press .
- Press [OK].

Note

- Call Waiting service may not be available on all mobile phone networks. Contact your network operator for more information.

To Check the Call Waiting Service Status

1. Perform steps 1 to 4 in “Call Waiting” on page 92.
2. Press  or  to select “Status”, then press .
Now you can check the status of the Call Waiting service.
3. Press  [Back].

Display Call Timers (M 7-2-2)

1. Perform steps 1 to 3 in “Call Waiting” on page 92.
2. Press  or  to select “Display Call Timers”, then press .
3. Select “On” or “Off” by pressing  or , then press .

Personal Call (M 7-2-3)

A specified ringing tone or vibrator setting can be associated to a pre-registered phone number.

Up to 20 phone numbers can be registered.

1. Perform steps 1 to 3 in “Call Waiting” on page 92.
2. Press  or  to select “Personal Call”, then press .
3. Select the number you wish to set by pressing  or , then press .
4. Enter the phone number, then press .

If you wish to select the phone number in the Phonebook, search for the desired Phonebook entry. Press  or  [Search] to search the number by name or press  or  to search in alphabetical order, then press . For details on searching the Phonebook entries, see “Finding a Name and Number” on page 32.

5. Press  or  to select “Assign Melody”, then press .
6. Select a ringing tone.
For details on selecting a ringing tone, see “Ringer Type” on page 67.

7. Press ▲ or ▼ to select “Vibration”, then press **M**.
8. Press ▲ or ▼ to select “Enable”, “Disable” or “Link to Sound”, then press **M**.
For details on setting the vibrator, see “Vibration” on page 68.
9. When setting is complete, select “Setup End”, then press **M**.

Group Call (M 7-2-4)

Phone numbers can be registered or updated in groups.

To Set Group Ringing Tone

Different ringing tones can be set for each group.

When you purchase this phone, groups are set to off.

If you do not set a group ringing tone the default ringing tone will be used.

1. Perform steps 1 to 3 in “Call Waiting” on page 92.
2. Press ▲ or ▼ to select “Group Call”, then press **M**.
3. Select the group you want to set by pressing ▲ or ▼, then press **M**.
4. Press ▲ or ▼ to select “On”, then press **M**.
5. Press ▲ or ▼ to select “Assign Melody”, then press **M**.
6. Select a ringing tone.
For details on selecting a ringing tone, see “Ringer Type” on page 67.
7. Press ▲ or ▼ to select “Vibration”, then press **M**.

8. Press  or  to select “Enable”, “Disable” or “Link to Sound”, then press .
- For details on setting the vibration, see “Vibration” on page 68.
9. When setting is complete, select “Setup End”, then press .

Tip

- To cancel the ringing tone setting, select “Off” in step 4.

Auto Redial (M 7-2-5)

See “Automatic Redialling” on page 20 about this function.

Minute Minder (M 7-2-6)

Minute Minder function informs you of your talk time by sounding a tone after every minute.

1. Perform steps 1 to 3 in “Call Waiting” on page 92.
2. Press  or  to select “Minute Minder”, then press .
3. Press  or  to select “On” or “Off”, then press .

Call Setting Reset (M 7-2-7)

The call settings can be reset to their default settings.

1. Perform steps 1 to 3 in “Call Waiting” on page 92.
 2. Press  or  to select “Set to Default”, then press .
 3. Enter your handset code, then press .
 4. Press  or  to select “Yes”, then press .
- To cancel resetting, select “No” at step 4, then press .

All call settings are reset.

Note

- If you enter the wrong handset code in step 3, the operation is cancelled and the screen returns to step 3 in “Call Waiting” on page 92.

Network Settings (M 7-3)

Selecting a Network Automatically (M 7-3-1)

Each time the power is turned on, your phone will always try to connect first to the most recently available network, then to the subscribed network, and lastly to the preferred network.

If none of these are found, it will then search for any other available GSM networks.

1. Press **(M)** to display the Main Menu.
2. Press **(▲)** or **(▼)** to select “Settings”, then press **(M)**.
3. Press **(▲)** or **(▼)** to select “Network Settings”, then press **(M)**.
4. Select “Select Network”, then press **(M)**.
5. Select “Automatic”, then press **(M)**.

To Set the Network Manually

1. As in step 5 in “Selecting a Network Automatically”, press **(▲)** or **(▼)** to select “Manual”, then press **(M)**.
2. Select the network from the list by pressing **(▲)** or **(▼)**, then press **(M)**.

Adding a New Network

1. Perform steps 1 to 4 in “Selecting a Network Automatically”.
2. Press **(▲)** or **(▼)** to select “Add New Network”, then press **(M)**.
3. Press **(▲)** or **(▼)** to select “Add”, then press **(M)**.
4. Enter the country code.
5. Press **(M)**.
6. Enter the network code.
7. Press **(M)**.
8. Enter a new network name.
9. Press **(OK)**.

Editing the Preferred List

To Change the Position of a Network in the Preferred List

1. Perform steps 1 to 4 in “Selecting a Network Automatically”.
2. Press **(▲)** or **(▼)** to select “Set Preferred”, then press **(M)**.
3. Select the name of the network to change the position from the list by pressing **(▲)** or **(▼)**, then press **(M)**.

4. Press or to select “Insert” or “Add to End”, then press .

To Delete a Network from the Preferred List

1. Perform steps 1 to 3 in “To Change the Position of a Network in the Preferred List” on page 96.
2. Press or to select “Delete”, then press .

Changing the Network Password (M 7-3-2)

1. Perform steps 1 to 3 in “Selecting a Network Automatically” on page 96.
2. Press or to select “Change Password”, then press .
3. Enter the old password, then press .
4. Enter a new password, then press .
5. Enter a new password again, then press .
If you enter the incorrect password in step 5, the screen will return to step 4 and you will be asked to enter the password again.
6. Press .

Internet Settings (M 7-4)

WAP/MMS Settings

WAP Settings and MMS Settings can perform following various setups, respectively.

WAP Settings

Item	Description	Operation
Profile Name*	WAP Profile Name (Unique Name)	Select “Profile Name” and press . Enter the strings you like and press .
IP Address*	IP address	Select “IP Address” and press . Enter IP address for WAP and press .
Homepage	Homepage	Select “Homepage” and press . Enter Homepage URL, if needed, and press .
Port Number*	Security Option	Select “Port Number” and press . Enter Port Number (1024-65535) and press .

Item	Description	Operation
Circuit Prompt	Circuit Prompt	Select "Circuit Prompt" and press (M) . Select "Enable" or "Disable" and press (M) .
Connection Type	Bearer Connection Type	Select "Connection Type" and press (M) . Select "GPRS Then CSD", "GPRS" or "CSD" and press (M) .
GPRS Settings (If "GPRS Then CSD" or "GPRS" will be selected as connection type, they should be set)		
APN*	Access Point Name	Select "APN" and press (M) . Enter Access Point Name and press (M) .
UserName	User Name	Select "UserName" and press (M) . Enter User Name and press (M) .

Item	Description	Operation
Password	Password	Select "Password" and press (M) . Enter Password and press (M) .
Linger Time	Linger Time	Select "Linger Time" and press (M) . Enter second time (0-99999) and press (M) .
CSD Settings (If "GPRS Then CSD" or "CSD" will be selected as connection type, they should be set)		
Phone No.*	Access Point Number	Select "Phone No." and press (M) . Enter Access Point Number and press (M) .
Line Type	ISDN or Analogue	Select "Line Type" and press (M) . Select "ISDN" or "Analogue" and press (M) .
UserName	User Name	Select "UserName" and press (M) . Enter User Name and press (M) .

Item	Description	Operation
Password	Password	Select "Password" and press (M). Enter Password and press (M).
Linger Time	Linger Time	Select "Linger Time" and press (M). Enter second time (0-99999) and press (M).

*: Item to be set as mandatory.

MMS Settings

Item	Description	Operation
Profile Name*	MMS Profile Name (Unique Name)	Select "Profile Name" and press (M). Enter the strings you like and press (M).
IP Address*	IP address	Select "IP Address" and press (M). Enter IP address for MMS and press (M).

Item	Description	Operation
Relay Server URL*	MMS Relay Server	Select "Relay Server URL" and press (M). Enter URL of the Relay Server and press (M).
Port Number*	Security Option	Select "Port Number" and press (M). Enter Port Number (1024-65535) and press (M).
Connection Type	Bearer Connection Type	Select "Connection Type" and press (M). Select "GPRS Then CSD", "GPRS" or "CSD" and press (M).
GPRS Settings (If "GPRS Then CSD" or "GPRS" will be selected as connection type, they should be set)		
APN*	Access Point Name	Select "APN" and press (M). Enter Access Point Name and press (M).

Item	Description	Operation
Username	User Name	Select "UserName" and press (M) . Enter User Name and press (M) .
Password	Password	Select "Password" and press (M) . Enter Password and press (M) .
Linger Time	Linger Time	Select "Linger Time" and press (M) . Enter second time (0-99999) and press (M) .

CSD Settings (If "GPRS Then CSD" or "CSD" will be selected as connection type, they should be set)

Phone No.*	Access Point Number	Select "Phone No." and press (M) . Enter Access Point Number and press (M) .
Line Type	ISDN or Analogue	Select "Line Type" and press (M) . Select "ISDN" or "Analogue" and press (M) .

Item	Description	Operation
Username	User Name	Select "UserName" and press (M) . Enter User Name and press (M) .
Password	Password	Select "Password" and press (M) . Enter Password and press (M) .
Linger Time	Linger Time	Select "Linger Time" and press (M) . Enter second time (0-99999) and press (M) .

*: Item to be set as mandatory.

To Set up your Account Information

This information should be supplied by your Internet service provider.

1. Press **M** to display the Main Menu.
2. Press **▲** or **▼** to select “Settings”, then press **M**.
3. Press **▲** or **▼** to select “Internet Settings”, then press **M**.
4. Press **▲** or **▼** to select “WAP Settings” or “MMS Settings”, then press **M**.
5. Select the profile name you wish to edit by pressing **▲** or **▼**, then press **M**.
6. Press **▲** or **▼** to select “Edit”, then press **M**.
7. Select the item you wish to edit, then press **M**.
8. Edit each item.
9. When you have finished editing, select “Setup End”, then press **M**.

To Select Network Connection Profile

1. Perform steps 1 to 4 in “To Set up your Account Information”.
2. Select the profile name to use by pressing **▲** or **▼**, then press **M**.
3. Press **▲** or **▼** to select “Activate”, then press **M**.

Infrared (M 7-5)

You can use the built-in infrared modem to establish contact between your phone and a PC equipped with an infrared port.

1. Press **M** to display the Main Menu.
2. Press **▲** or **▼** to select “Settings”, then press **M**.
3. Press **▲** or **▼** to select “Infrared”, then press **M**.
4. Press **▲** or **▼** to select “On”, then press **M**.
“” will appear on the screen.

The infrared setting will return to off when no data is transmitted/received via infrared communication.

Security (M 7-6)

Enabling/Disabling the PIN Code (M 7-6-1)

If the PIN code is enabled you will be asked to enter the PIN code each time the phone is switched on. Your PIN code is stored on the SIM and you should have been made aware of the code when you purchased the SIM. Contact your service provider for further details.

1. Press **M** to display the Main Menu.
2. Press **▲** or **▼** to select “Settings”, then press **M**.
3. Press **▲** or **▼** to select “Security”, then press **M**.
4. Select “PIN Entry”, then press **M**.
5. Press **▲** or **▼** to select “On” or “Off”, then press **M**.
6. Enter your PIN code, then press **M**.

Note

- If you enter the wrong PIN code three times in step 6, the SIM will lock. To remove the lock, contact your service provider/SIM vendor.

Changing PIN Code

This allows you to change the PIN code stored on the SIM.

1. Perform steps 1 to 3 in “Enabling/Disabling the PIN Code”.
2. Press **▲** or **▼** to select “PIN Entry”, then press **M**.
3. Press **▲** or **▼** to select “Change PIN”, then press **M**.
4. Enter the existing PIN code, then press **M**.
5. Enter a new PIN code, then press **M**.
6. Enter a new PIN code again, then press **M**.

If you enter a code different from the code which you entered in step 6, the screen returns to step 5. Enter the correct code again.

Handset Lock (M 7-6-2)

The Handset Lock is an additional security feature which prevents unauthorised use of the phone or certain features. The default Handset Lock code is “0000”.

1. Perform steps 1 to 3 in “Enabling/Disabling the PIN Code”.
2. Press **▲** or **▼** to select “Handset Lock”, then press **M**.

3. Press ▲ or ▼ to select “On” or “Off”, then press **M**.
4. Enter your handset code, then press **M**.
If you enter an incorrect handset code, the screen will clear and you will be prompted to enter the code again.

Changing Handset Code

The default handset code is “0000”.

1. Perform steps 1 and 4 in “Handset Lock” on page 102.
2. Press ▲ or ▼ to select “Change Code”, then press **M**.
3. Enter the old handset code, then press **M**.
4. Enter a new handset code, then press **M**.
5. Enter a new handset code again, then press **M**.
If you enter a code different from the code which you entered in step 5, the screen returns to step 4. Enter the correct code again.

Changing PIN2 Code (M 7-6-3)

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 PIN2 code.

1. Perform steps 1 to 3 in “Enabling/Disabling the PIN Code” on page 102.
2. Press ▲ or ▼ to select “Change PIN2”, then press **M**.
3. Enter the existing PIN2 code, then press **M**.
4. Enter a new PIN2 code, then press **M**.
5. Enter a new PIN2 code again, then press **M**.
If you enter a code different from the code which you entered in step 5, the screen returns to step 4. Enter the correct code.

Call Barring (M 7-6-4)

This function lets you place restrictions on incoming and outgoing calls. To activate Call Barring you will need the call barring password, which will be available from your service provider.

1. Perform steps 1 to 3 in “Enabling/Disabling the PIN Code” on page 102.
2. Press ▲ or ▼ to select “Call Barring”, then press **M**.
3. Press ▲ or ▼ to select call barring option, then press **M**.

The call barring functions available are:

- “Bar Foreign Calls”: Restricts all outgoing international calls.
 - “Only Local & Home”: Restricts all outgoing international calls except to your home country.
 - “Bar Incoming Calls”: Restricts all incoming calls.
 - “Bar Inc. if Abroad”: Restricts all incoming calls when you are outside of the coverage from your registered network operator.
 - “Bar Outgoing Calls”: Restricts all outgoing calls except emergency calls.
4. Select one of the call barring options by pressing  or , then press .

The call barring options available are:

- “All Services”: Restricts all services.
 - “Voice Calls”: Restricts all voice calls.
 - “Data”: Restricts all data calls.
 - “Fax”: Restricts all fax calls.
 - “Messages”: Restricts all messages.
 - “All except Msgs.”: Restricts all services except messages.
5. Select “On”, then press .

If you select “Off”, the selected call barring setting is cancelled.

6. Enter the network password, then press .
To change the network password, see “Changing the Network Password” on page 97.
7. Press  [OK].
The selected call barring function is activated.
If you enter a wrong network password, the entered password is cleared. Enter the correct the password.

Checking Call Barring Status

1. Perform steps 1 to 6 in “Call Barring” on page 103.
2. Press  or  to select “Status”, then press .
Now you can check the status of the selected call barring option.
3. When you finish the confirmation, press  [Back].

Cancel All Call Barring Settings

1. Perform steps 1 to 4 in “Call Barring” on page 103.
2. Press  or  to select “Cancel All”, then press .
3. Enter the network password, then press .
4. Press  [OK].
All call barring settings are cancelled.

To Cancel the Call Barring Setting Individually

1. Perform steps 1 to 5 in “Call Barring” on page 103.
2. Select the call barring option you wish to cancel by pressing ▲ or ▼, then press (M).
3. Press ▲ or ▼ to select “Off”, then press (M).
4. Enter the Barring password, then press (M).
The selected call barring setting is cancelled.

Fixed Dialling No. (M 7-6-5)

When the Fixed Dialling No. is enabled, you can call to only predefined numbers.

Enabling Fixed Dialling No.

1. Perform steps 1 to 3 in “Enabling/Disabling the PIN Code” on page 102.
2. Press ▲ or ▼ to select “Fixed Dialling No.”, then press (M).
3. Enter a PIN2 code, then press (M).
4. Select “Settings”, then press (M).
5. Select “On”, then press (M).

If you select “Off”, Fixed Dialling No. is disabled.

Adding a New Name

1. Perform steps 1 to 3 in “Enabling/Disabling the PIN Code” on page 102.

2. Press ▲ or ▼ to select “Edit Dial List”, then press (M).
3. Press (M).
4. Press ▲ or ▼ to select “Add New Name”, then press (M).
5. Add a name and a phone number.
For details on adding a name and a phone number, see “Storing Names and Numbers” on page 30.

Searching a Registered Name

1. Perform steps 1 to 3 in “Adding a New Name”.
2. Press ▲ or ▼ to select “Search”, then press (M).
3. Search for the desired name.
For details on searching a name, see “Finding a Name and Number” on page 32.

Editing a Registered Name

1. Perform steps 1 and 2 in “Adding a New Name” on page 105.
2. Select a name you wish to edit, then press **(M)**.
3. Press **(▲)** or **(▼)** to select “Edit”, then press **(M)**.
4. Edit the selected name.

For details on editing a name, see “Editing Phonebook Entries” on page 33.

Deleting a Registered Name

1. Perform steps 1 and 2 in “Adding a New Name” on page 105.
2. Select a name you wish to delete, then press **(M)**.
3. Press **(▲)** or **(▼)** to select “Delete”, then press **(M)**.
4. Select “Yes”, then press **(M)**.

The selected name will be deleted.

To cancel deletion, select “No” at step 4, then press **(M)**.

Master Reset (M 7-7)

The settings can be reset to their default settings.

1. Press **(M)** to display the Main Menu.
2. Press **(▲)** or **(▼)** to select “Settings”, then press **(M)**.
3. Press **(▲)** or **(▼)** to select “Master Reset”, then press **(M)**.
4. Enter your handset code, then press **(M)**.
5. Press **(▲)** or **(▼)** to select “Yes”, then press **(M)**.

To cancel resetting, select “No” at step 5, then press

(M).

All settings are reset.

Note

- If you enter a wrong handset code in step 4, operation is cancelled.

Browser (M 8)

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 site for WAP/MMS Settings.

BROWSER BY



OPENWAVE



Viewing the WAP Browser (M 8-1)

1. Press [] during stand-by.
2. Press or to select “SmarTone ‘in’”, then press .
3. Select the menu you wish to view by pressing or , then press .

To Exit the WAP Browser

1. Press to exit the browser.

Navigating a WAP Page

- :
Move the highlights around in the screen.
- / :
Used to select an action displayed in the lower left corner of the screen.
- :
Used to select an action displayed in the lower right corner of the screen.
- (press and hold):
Used to start the Go to URL.
- to (press and hold):
Used to start the Bookmark (WAP).
- :
Exit (short press)
Turn off the phone. (press and hold)
- :
Launch browser option menu.

Browser Menu

When you have started browsing, you can reach browsing options by pressing .

The Browser Menu contains the following:

Back: Go to the previous screen.

Home: Go to the homepage you set in the WAP Settings.

Bookmarks: Add the site you are currently browsing to your list of bookmarks, or see the list of bookmarks. It can save your time in accessing sites.

Go to URL: Input the URL of the site you wish to go, and go to the site.

Show URL: Display the URL you are currently browsing.

SnapShots: Save the page you are currently browsing to your list of Snap Shots, or see the list of Snap Shots.

Save Items: Save images or sounds to the Image Gallery or Sound Gallery.

Alert Inbox: See the 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.

Reload: Refresh the contents of the WAP page.

Settings: Includes “Restart Browser”, some settings, etc.

Bookmarks (M 8-2)

With this menu, you can register up to 50 entries and manage them (confirm, edit, copy, delete and add).

1. Press  to display the Main Menu.
2. Press  or  to select “Browser”, then press .
3. Press  or  to select “Bookmarks”, then press .
The bookmark list is displayed.
4. Press  [Options] to display the Options Menu. When you add a bookmark for the first time, press  [Add] instead, then skip to step 6.
5. Press  or  to select “Add”, then press .
6. Enter the bookmark title, then press .
7. Enter the URL address, then press .

Editing Bookmarks

1. Perform steps 1 to 3 in “Bookmarks” on page 108.
2. Select the desired bookmark to edit by pressing  or , then press  [Options].
The Options Menu is displayed.
3. Press  or  to select “Edit”, then press .
4. Edit the bookmark title.
For details on entering characters, see “Entering Characters” on page 24.
5. Press .
6. Edit the URL address.
7. Press .

Deleting Bookmarks

1. Perform steps 1 to 3 in “Bookmarks” on page 108.
2. Select the desired bookmark to delete by pressing  or , then press  [Options].
The Options Menu is displayed.
3. Press  or  to select “Delete”, then press .

Copying Bookmarks

1. Perform steps 1 to 3 in “Bookmarks” on page 108.
2. Select the desired bookmark to edit by pressing  or , then press  [Options].
The Options Menu is displayed.
3. Press  or  to select “Copy”, then press .
4. Press .
Use the Edit option if necessary to rename it.

Confirming Bookmark name

1. Perform steps 1 to 3 in “Bookmarks” on page 108.
2. Select the desired bookmark to confirm by pressing  or , then press  [Options].
The Options Menu is displayed.
3. Press  or  to select “Confirm”, then press .
Use the Edit option if necessary to edit it.

Messages (M 0)

Your phone allows you to send and receive short messages, MMS and WAP mails.

MMS (Multimedia Messaging Service)

About MMS

MMS allows you to further personalise your messages with pictures, sounds and animations.

Note

- Some MMS functions may not always be available depending on your network. Contact your network operator for more information.

Setting up MMS (M 0-1-5)

1. Press  [] during stand-by.
2. Select “MMS”, then press .
3. Press  or  to select “Settings”, then press .
4. Select the desired item to set, then press .

The items available are:

- “Download Msg.”
- “Intl. Download Msg.”
- “Delivery Report”
- “Delivery Rep. Allow”
- “Expiry Time”
- “Sender Visibility”
- “Anonymous Reject”
- “Slide Interval”

5. Edit the each item.

6. When you finish setting, press  [Back].

Creating a New MMS (M 0-1-1)

1. Press  [] during stand-by.
2. Select “MMS”, then press .
3. Select “Compose”, then press .
4. Enter your message, then press .
5. Enter phone number or E-mail address of the recipient, then press .

If you wish to select the phone number or E-mail address in the Phonebook, search for the desired Phonebook entry.

Press  or  [Search] to search the number by name or press  or  to search in alphabetical order, then press . For details on searching the Phonebook entries, see “Finding a Name and Number” on page 32.

6. Select “Send”, then press .
The confirmation screen of file size is displayed.
7. Select “Yes”, then press .
After the message has been sent, the message is added to the Sent box.

To Enter the Subject of the Message

1. Perform steps 1 to 3 in “Creating a New MMS” on page 110.
2. Press  [Options] to display the Options Menu.
3. Select “Subject”, then press .
4. Enter the subject of your message, then press .

To Add Recipients

1. Perform steps 1 to 5 in “Creating a New MMS” on page 110.
2. Press  or  to select “Add address”, then press .

3. Select “To” to add recipients or “Cc” to send a copy of this MMS to other recipients by pressing  or , then press .
4. Select a desired number from the list by pressing  or , then press .
5. Enter the phone number or E-mail address of the other recipients, then press .
6. Press  [Back] twice.

To Use the Text Template

1. Perform steps 1 to 3 in “Creating a New MMS” on page 110.
2. Press  [Options] to display the Options Menu.
3. Press  or  to select “Insert Template”, then press .
4. Select the desired template from the list by pressing  or , then press .

To Save a Message in the Drafts Box

You can save a message in the Drafts box temporarily and send it later, without sending it immediately.

1. Perform steps 1 to 5 in “Creating a New MMS” on page 110.
2. Press  or  to select “Save”, then press  to save the message in the Drafts box.

Note

- You can send it later following the instructions in “Sending a Message in the Drafts Box”.

Turning the Slide Show Setting On or Off

1. Perform steps 1 to 3 in “Creating a New MMS” on page 110.
2. Press  [Options] to display the Options Menu.
3. Press  or  to select “Slide Show”, then press .
4. Press  or  to select “On” or “Off”, then press .

If You Select “On”

- You can create messages which have up to 3 slides. Each slide can contain one picture/image, one sound file and up to 512 characters of text (up to the message total 30kb limit).

- The slide options available are:
 - Add Slide: To add a new slide.
 - Delete Slide: To delete the active slide.
 - Previous Slide: To navigate to the previous slide.
 - Next Slide: To navigate to the next slide.
- e-Animation file (NEVA) data cannot be attached as a slide data to a message.

If You Select “Off”

- You can attach a maximum of 6 pictures/images or sounds in all.

Inserting Attached Data

You can send pictures/images and sounds saved in the Image Gallery or Sound Gallery attached to MMS.

1. Perform steps 1 to 3 in “Creating a New MMS” on page 110.
2. Press  [Options] to display the Options Menu.
3. Press  or  to select “Image” or “Sound”, then press .
4. Select the file name you wish to attach by pressing  or , then press .
The selected image/sound is attached.
5. Press .

To Add Attached Data

1. Perform step 1 to 3 in “Inserting Attached Data” on page 112.
The list of attached data is displayed.
2. Select the file name you wish to add by pressing ▲ or ▼, then press [Option].
3. Press ▲ or ▼ to select “Add Image” or “Add Sound”, then press (M).
4. Perform steps 4 and 5 in “Inserting Attached Data” on page 112.

To Delete Attached Data

1. Perform steps 1 to 3 in “Inserting Attached Data”.
The list of attached data is displayed.
2. Select the file name you wish to delete by pressing ▲ or ▼, then press [Option].
3. Press ▲ or ▼ to select “Remove”, then press (M).
4. Press ▲ or ▼ to select “Yes”, then press (M).

Sending a Message in the Drafts Box

1. Perform steps 1 and 2 in “Creating a New MMS” on page 110.
2. Press ▲ or ▼ to select “Drafts”, then press (M).

3. Select the desired message to send in the Drafts box by pressing ▲ or ▼, then press [Options].
The Options Menu is display.
4. Press ▲ or ▼ to select “Send”, then press (M).
The confirmation screen of file size is displayed.
5. Select “Yes”, then press (M).
The phone begins the sending process and the MMS is sent.

Reading MMS (M 0-1-2)

Messages you receive are stored in the Inbox, and outgoing messages are stored in the Drafts box until you send them, after which they move to the Sent box.

Incoming Messages

The MMS indicator () will appear when you are receiving an incoming message.

1. Perform steps 1 and 2 in “Creating a New MMS” on page 110.
2. Press ▲ or ▼ to select “Inbox”, then press (M).
Messages are marked with “ ” denote mails with attachments.
3. Press ▲ or ▼ to select the desired message, then press (M).
The message is displayed.

4. Scroll the screen by pressing  or  to read the message.
5. When you finish viewing, press  [Done].

To Check the Sender and Receiver Phone Number or E-mail Address

1. Perform steps 1 to 3 in “Incoming Messages”.
2. Press  [Options] to display the Options Menu.
3. Press  or  to select “Details”, then press .
The sender’s phone number or E-mail address, time and date stamp, subject, attachment and size are displayed.

Replying to a Message to the Sender from Inbox

1. Perform steps 1 and 2 in “Creating a New MMS” on page 110.
2. Press  or  to select “Inbox”, then press .
3. Press  [Options] to display the Options Menu.
4. Press  or  to select “Reply”, then press .
5. Enter your message.

For details on entering characters, see “Entering Characters” on page 24.

6. Press .

The phone number or E-mail address of the recipient is automatically filled in the sender’s phone number or E-mail address.

7. Press .
The subject field is automatically filled in with the original subject preceded by “Re:”.
8. Select “Send”, then press .
The confirmation screen of file size is displayed.
9. Select “Yes”, then press .

Tip

- You can reply to a message to all addresses of selected messages by selecting “Reply All” in step 5.

Forwarding a Message

1. Perform steps 1 to 3 in “Replying to a Message to the Sender from Inbox”.
2. Press  or  to select “Forward”, then press .
3. Enter the phone number or E-mail address of the recipient, then press .

If you wish to select the phone number or E-mail address in the Phonebook, search for the desired Phonebook entry.

Press  or  [Search] to search the number by name or press  or  to search in alphabetical order, then press .

Phonebook entries, see “Finding a Name and Number” on page 32.

4. Select “Send”, then press .
- The confirmation screen of the file size is displayed.
5. Select “Yes”, then press .

Note

- *When the message with attached data is forwarded the data is also sent. However, if there is any material which the phone recognises as having copyright, it will not be sent.*
- *“Subject” field is automatically filled in with the original subject preceded by “Fw:”.*
The original message and subject cannot be changed.

Modifying a Message

1. Perform steps 1 to 3 in “Replying to a Message to the Sender from Inbox” on page 114.
2. Select “Edit”, then press .
3. Modify the message.
4. Press .
5. Select “Send”, then press .
- The confirmation screen of the file size is displayed.
6. Select “Yes”, then press .

Note

- *Messages cannot be edited if they contain particular data such as Slide Show, XHTML, copyrights or unknown format.*

Storing the Phone Number or E-mail Address of a Sender in the Phonebook

1. Perform steps 1 to 3 in “Replying to a Message to the Sender from Inbox” on page 114.
2. Press  or  to select “Save to Phonebook”, then press .
- For details on entering a name, see “Finding a Name and Number” on page 32.

Retrieving MMS

When “” is in the Inbox, the following can be done.

1. Perform steps 1 and 2 in “Creating a New MMS” on page 110.
2. Press  or  to select “Inbox”, then press .
3. Press  or  to select a desired alert to download.
4. Press  to display the Alert Menu.
5. Press  or  to select “Download”, then press .

Deleting Messages

1. Perform steps 1 and 2 in “Creating a New MMS” on page 110.
2. Press  or  to select “Inbox”, “Drafts” or “Sent”, then press .
3. Select the message you wish to delete by pressing  or , then press  [Options].
The Options Menu is displayed.
4. Press  or  to select “Delete Message”, then press .
5. Press  or  to select “One Message” or “All Messages”, then press .
6. Select “Yes”, then press .
To cancel deletion, select “No”, then press .

Note

- You cannot delete locked messages.

To Lock Messages

1. Perform steps 1 and 2 in “Creating a New MMS” on page 110.
2. Press  or  to select “Inbox” or “Sent”, then press .

3. Select the message you wish to lock by pressing  or , then press  [Options].
The Options Menu is displayed.
4. Press  or  to select “Lock/Unlock”, then press .

Making a Call to the Sender of a Message

You can make a call to the sender of a message in Inbox whose address (From) is the phone number.

1. Perform steps 1 and 2 in “Replying to a Message to the Sender from Inbox” on page 114.
2. Press  [Options] to display the Options Menu.
3. Press  or  to select “Call”, then press .

SMS (Short Message Service)

About SMS

The Short Message Service (SMS) allows you to send text messages of up to 1024 characters to other GSM users.

Using SMS with Your Phone

Messages longer than 160 characters may be composed. During sending, the messages will be split. If the receiver has a suitable phone the messages will recombine during reception, if not your message will appear as a number of separate 152 characters messages.

You can send or receive SMS even if you are talking on the phone.

You can also use Text Templates to help you compose SMS.

Setting up SMS (M 0-2-4)

Before you can use SMS to send and receive messages, you have to set up some personal and system information.

To set up the Service Centre Address

1. Press  [] during stand-by to display the Message menu.
2. Press  or  to select “SMS”, then press .

3. Press  or  to select “Settings”, then press .
4. Select “Message Centre”, then press .
5. Enter the centre number.
If you wish to enter a country code for a message to an international number, press and hold  until a “+” sign appears.
6. Press .

Validity Period

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.

1. Perform steps 1 to 3 in “Setting up SMS”.
2. Press  or  to select “Message Lifetime”, then press .
3. Select the validity period by pressing  or , then press .

Message Format

1. Perform steps 1 to 3 in “Setting up SMS”.
2. Press  or  to select “Message Format”, then press .

3. Select the message format by pressing  or , then press .

Connection Type

1. Perform steps 1 to 3 in “Setting up SMS” on page 117.
2. Press  or  to select “Connection Type”, then press .
3. Select the connection type by pressing  or , then press .

Creating a New SMS (M 0-2-1)

1. Press  [] during stand-by.
2. Press  or  to select “SMS”, then press .
3. Select “Compose”, then press .
4. Enter your message.

For details on entering characters, see “Entering Characters” on page 24.

5. Press .

To Use the Text Template

1. Perform steps 1 to 3 in “Creating a New SMS”.
2. Press  [Options] to display the Options Menu.
3. Press  or  to select “Insert Template”, then press .

4. Select the desired template from the list by pressing  or , then press .

To Save the Message in the Outbox

1. Perform steps 1 to 5 in “Creating a New SMS”.
2. Enter the SMS phone number of the recipient, then press .
3. Press  or  to select “Save”, then press .

Sending a Message

1. Perform steps 1 to 5 in “Creating a New SMS”.
2. Enter the SMS phone number of the recipient, then press .
3. If you wish to select the SMS phone number in the Phonebook, search for the desired Phonebook entry. Press  or  [Search] to search the number by name or press  or  to search in alphabetical order, then press . For details on searching the Phonebook entries, see “Finding a Name and Number” on page 32.
4. Press  or  to select “Send”, then press . The phone begins the sending process and the SMS is sent.

Reading SMS

Incoming Messages

The SMS indicator () will appear when an incoming message arrives.

1. When you receive a SMS, press  during stand-by.
2. Press  or  to select the desired message.
The sender's phone number and a part of the message are displayed. When the sender's phone number is stored in the Phonebook, the sender's name is displayed instead of the phone number. Messages are marked with "" denote unread messages. If the Inbox or Outbox is full, "" flashes. Delete unnecessary messages.
3. Press .
4. Scroll the screen by pressing  or  to read the message.
5. When you have finished viewing, press .

Replying to the Sender

1. Perform steps 1 to 3 in "Reading SMS".
2. Press  [Options] to display the Options Menu.
3. Press  or  to select "Reply", then press .
4. Enter your message.

For details on entering characters, see "Entering Characters" on page 24.

5. Press .
- Follow the procedure from step 2 in "Sending a Message" on page 118.

Calling the Message Sender

1. Perform steps 1 to 3 "Reading SMS".
2. Press  [Options] to display the Options Menu.
3. Press  or  to select "Call Sender", then press .

Forwarding a Message

1. Perform steps 1 to 3 in "Reading SMS".
2. Press  [Options] to display the Options Menu.
3. Press  or  to select "Forward", then press .
4. Enter the SMS phone number of the recipient, then press .

For details on searching the Phonebook entries, see "Finding a Name and Number" on page 32.

5. Press  or  to select "Send", then press .
- The phone begins the sending process and the SMS is sent.

Modifying a Message

1. Perform steps 1 and 2 in “Creating a New SMS” on page 118.
2. Press  or  to select “Outbox”, then press .
3. Select the desired message to modify in the Outbox by pressing  or , then press .
4. Press  [Options] to display the Options Menu.
5. Select “Edit”, then press .
6. Modify the message, then press .
Follow the procedure from step 2 in “Sending a Message” on page 118.

Deleting Messages

1. Perform steps 1 and 2 in “Creating a New SMS” on page 118.
2. Press  or  to select “Inbox” or “Outbox”, then press .
3. Select the message you wish to delete by pressing  or , then press .
4. Press  [Options] to display the Options Menu.
5. Press  or  to select “Delete”, then press .
6. Press  or  to select “Yes”, then press .
The selected message is deleted.

Extracting Phone Numbers from the Received Messages and Making a Call

you can make a call using a telephone number embedded in the received SMS message.

1. Perform steps 1 and 2 in “Reading SMS” on page 119.
2. Press  [Options] to display the Options Menu.
3. Press  or  to select “Extract Numbers”, then press .
Any kinds of numbers are listed.
4. Press  or  to select the telephone number, then press .
5. To make a call, press .
To save this telephone number in the phonebook, press  [Save].
For details on entering a name, see “Storing Names and Numbers” on page 30.

Tip

- *Selecting “Save to phonebook” in step 3 instead allows you to go to the phone number entry prompt with the sender’s number entered.*
For details on entering a name, see “Storing Names and Numbers” on page 30.

Cell Broadcast (M 0-3)

You can receive Cell Broadcast messages or general messages like weather reports, traffic reports, etc. broadcast to all subscribers in a certain network area.

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

Enabling/Disabling Cell Broadcast (M 0-3-1)

1. Press  [] during stand-by.
2. Press  or  to select “Cell Broadcast”, then press .
3. Press  or  to select “On/Off”, then press .
4. Select “On” to set Cell Broadcast on or “Off” to set it off by pressing  or , then press .

Reading Cell Broadcast Messages (M 0-3-2)

1. When you receive a Cell Broadcast message, press .
2. Scroll the screen by pressing  or  to read the message.
3. When you finish viewing, press .

Subscribing to Cell Broadcasts

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

1. Press  [] during stand-by.
2. Press  or  to select “Cell Broadcast”, then press .
3. Press  or  to select “Settings”, then press .
4. Press  or  to select “Set Info Subjects”, then press .
5. Press  or  to select “Create Subject”, then press .
6. Press  to add the channel.
7. Enter the appropriate channel code obtained from your service provider, and a title for the channel.

Setting Languages

Allows you to select your preferred language for the cell broadcast message display.

Cell Information (M 0-4)

The Cell Information is the message information that operators sent to subscribers in certain areas.

When you receive Cell Information, the message will be displayed on the stand-by screen.

Note

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

Enabling/Disabling Cell Information

1. Press  [] during stand-by.
2. Press  or  to select “Cell Info”, then press .
3. Press  or  to select “On” or “Off”, then press .

Note

- *If Cell Information is set to “On”, the Stand-by Time will decrease.*

Voicemail (M 0-5)

Connect to Voicemail centre. Voicemail service depends on the SIM card.

Getting Voicemail

1. Press  [] during stand-by.
2. Press  or  to select “Voicemail”, then press .
3. Press  or  to select “Get Voicemail”.

Configuring Voicemail Settings

Select the mailbox for use inside your home network area, or for roaming use.

1. Press  [] during stand-by.
2. Press  or  to select “Voicemail”, then press .
3. Press  or  to select “Voicemail Settings”.
4. Select “Home Mailbox” for use inside your home network area, or “Roam Mailbox” for roaming use.

Data Transmission

Your PC can be set up to use the GX12 as a modem. You can either use Infrared (IrDA) or a data cable “XN-1DC10” (option) to connect to the PC.

Refer to XN-1DC10 attached manual for the connection method of a data cable.

System Requirements

OS: Windows®98SE, Windows®Me,
Windows®2000, Windows®XP

* Windows®98 Second Edition, or Windows®98 +
Internet Explorer 5.01 or later

Interface: Infrared (IrDA) or Serial port (D-sub 9-pin
connector)

CD-ROM drive

Software Installation and Setup

1. Install Modem setup software from the included CD-ROM.
 - Insert the CD-ROM and double-click [setup.exe] to start installation.
 - Follow the instructions on the screen to complete installation.

When installation has completed, “SHARP GSM GPRS” icon appears in the control panel.

When you perform the following operations (step 2 to 4), refer to GSM/GPRS Modem Option Help after executing [SHARP GSM GPRS] in the control panel.

2. Install Modem driver.
3. Make the Dial-up connection.
4. Set GSM/GPRS Modem Option which is stored in the control panel.

If you wish to use GSM, fill the GSM connection column.

If you wish to use GPRS, fill the GPRS connection column.

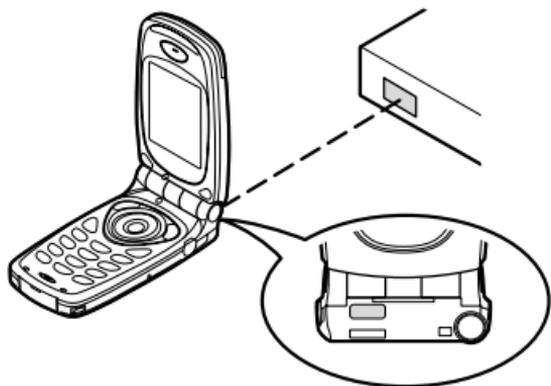
Note

- *Modem setup software may not run on certain PCs.*

Using the Modem Setup

The software in the CD-ROM supplied is provided based on the END USER LICENSE AGREEMENT, and can be used and duplicated only in compliance with the conditions of the pertinent END USER LICENSE AGREEMENT.

The software installer displays the END USER LICENSE AGREEMENT upon startup.



- When using the infrared modem function for executing data transmission, align the infrared port with each other.

Note

- *The distance between the infrared ports which can communicate is a maximum of 20 cm within a 30° angle.*
- *When transmitting data via infrared communication, you need to set the infrared setting to “On”. (p. 101)*
- *It is not recommended that you make or answer a call during data transmission. The operation may be interrupted.*

Troubleshooting

Problem	Solution
The phone does not turn on.	<ul style="list-style-type: none"> Make sure the battery is properly inserted and charged.
PIN code or PIN2 code is rejected.	<ul style="list-style-type: none"> Make sure you have entered the correct code (4 to 8 digits). Your SIM card/protected functions will become locked after 3 unsuccessful attempts. Contact your SIM provider if you do not have the correct PIN code.
SIM card becomes locked.	<ul style="list-style-type: none"> Enter PUK code (8 digits) provided by your service provider (if supported). If the attempt is successful, enter the new PIN code and confirm your phone is operational again. Otherwise contact your dealer.
The display is difficult to read.	<ul style="list-style-type: none"> Adjust the LCD contrast.

Problem	Solution
Phone functions do not work after the phone is turned on.	<ul style="list-style-type: none"> Check the radio signal strength indicator as you may be outside the service area. Check to see if any error message is displayed when you turn your phone on. If so, contact your dealer. Make sure the SIM card is correctly inserted.
Calls cannot be made or received.	<ul style="list-style-type: none"> If the message "SIM Card Error" is displayed at start-up, you cannot use your SIM card or SIM card is damaged. Contact your dealer or network service provider. Check your call barring, fixed dialling setting, remaining battery and call forwarding settings. Check if your phone is currently performing data communication using Infrared (IrDA) or a data cable. Check the remaining balance if you are using a pre-paid SIM card.

Problem	Solution
Call quality is poor.	<ul style="list-style-type: none"> 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.
Cannot access network service.	<ul style="list-style-type: none"> Check where your account has been registered and where the service is available.
Cannot send or receive SMS.	<ul style="list-style-type: none"> 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.
Cannot connect to MMS service provider.	<ul style="list-style-type: none"> MMS settings and configuration may be missing or incorrect or network does not support it. Check your service provider's access point number. Contact your service provider to confirm the correct settings.

Problem	Solution
Limited memory available.	<ul style="list-style-type: none"> Delete any unnecessary data.

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 authorized 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 touch the aerial unnecessarily, whilst using the mobile phone. If it is held, call quality may be hindered leading to shortened talk-time and stand-by time because the mobile phone may have 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.
- Whilst 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.
- Do not remove the RF cap of the back cabinet.

Camera Operation

- Learn picture quality, file formats, etc. beforehand.
The display supports up to 65,536 colours.
The taken pictures can be saved in JPEG format (JPEG high-colour).
- Be careful not to move your hand whilst taking pictures.
If the phone moves whilst taking a picture, the picture can be 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.
- Use only the attached hands free kit. Some phone’s functions may not work when unauthorised hands free kits are used.

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 a malfunction.

PRECAUTIONS CONCERNING VEHICLE USE

- It is the user's responsibility to verify if local laws permit the use of a mobile phone in a vehicle. Give full attention to driving. Pull off onto the side of a road and park the car before making or answering a call.
- If local laws permit, we recommend that you use your phone with the attached hands free.
- 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 0.56 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.

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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Quick Reference GX12

Function Key shortcuts

To display the Main Menu.	
To mute and unmute the microphone during call.	[Mute]
To turn Silent mode on.	

Special Features

To adjust earpiece volume.	Press and or Side keys.
To display: Individual Call Timer	 Select "Last Call"
Resettable Call Timer	 Select "Clear Timers"
Cumulative Call Timer	 Select "All Calls"

Messages

Press [] during stand-by.
Press or to scroll.
Press .

MMS

- _____ Compose
- _____ Inbox
- _____ Sent
- _____ Drafts
- _____ Settings

SMS

- _____ Compose
- _____ Inbox
- _____ Outbox
- _____ Settings

Cell Broadcast

- _____ On/Off
- _____ Read Messages
- _____ Settings

Cell Info

- _____ On
- _____ Off

Voicemail

- _____ Get Voicemail
- _____ Voicemail Settings

Navigating Menus

Press to display the Main Menu.



Basic Operation

Power On/Off Press and hold .

Make a call Enter number, press .

Answer a call Press .

End a call Press .

Phonebook

- Storing name and number
1. Press ; select "Add New Name" then press .
 2. Select the Desired destination, then press .
 3. Enter name, press .
 4. Enter number, press .
 5. Select number type, press .

Camera

- Taking Pictures
1. Press and hold for approximately 2 seconds.
 2. Press or the Side keys to take picture.

MMS

1. Press [].
2. Select "MMS", press .
3. Select "Compose", press .
4. Enter your message, press .
5. Enter phone number or E-mail address, press .
6. Select "Send", press .

GX12 Quick Reference Menu



Press **M** during stand-by mode.
Press **▲** or **▼** to scroll and press **M** to access function.



Camera



My Phone

- 1 Java™ Gallery
- 2 Image Gallery
- 3 Sound Gallery
- 4 Text Templates
- 5 Memory Status



Fun & Games

- 1 Java™
- 2 Games
- 3 Melody Editor
- 4 Tone Editor



Profiles

- 1 Normal
- 2 Meeting
- 3 Activity
- 4 Car
- 5 Silent



Organiser

- 1 Calculator
- 2 Calendar
- 3 Clock & Alarm
- 4 Voice Memo
- 5 Help List



Messages

- 1 MMS
- 2 SMS
- 3 Cell Broadcast
- 4 Cell Info
- 5 Voicemail



SMARTMENU

(Depends on the contents of SIM card.)



Browser

- 1 SmarTone `in`
- 2 Bookmarks



Settings

- 1 Phone Settings
- 2 Call Settings
- 3 Network Settings
- 4 Internet Settings
- 5 Infrared
- 6 Security
- 7 Master Reset



Call Manager

- 1 Phonebook
- 2 Call Register
- 3 Diverts