


Introduction

Thank you for purchasing this SHARP mobile handset. Before and while using the handset, please read this manual thoroughly and retain it for future reference. This handset is your partner. Handle it carefully at all times to ensure its long-term performance.










About this Operation Manual

Instruction scheme

Instructions in this manual are carefully designed to help you operate the handset smoothly and easily. At the beginning of each section, the steps that have to be followed to reach the function you wish to utilise are shown (Example 1). The steps for all subsequent subsections are simplified (Example 2). Make sure to press  to enter your selection.

Example 1:



(Excerpt from "Using the Camera")

- 1 Press .
The main menu appears.
- 2 Press , , , or  to highlight "Camera" press .
- 3 Press  or  to highlight "Create picture" and press .

The each step to reach camera mode is shown.







Example 2:

(Excerpt from "Capturing Still Images")

- 1 At the main menu, select in the following order: "Camera" → "Create picture."
- 2 Press  [].
The "Options" menu appears.

The steps to reach camera mode are simplified as shown above (step 1).



, , , , , and  [Options] indicate the operation keys in this manual. For information on the keys and handset operations, refer to "Parts and Controls" on page 4-18.

Symbols



This indicates useful extra information for operating the handset.



This indicates important background information or items that need to be recognised when operating the handset.



This indicates operations that require extreme caution before performing on the handset.

NOTICE

- We strongly recommend that you keep separate permanent written records of all important data. Data may be lost or altered in virtually any electronic memory product under certain circumstances. Therefore, we assume no responsibility for data lost or otherwise rendered unusable, whether as a result of improper use, repairs, defects, battery replacement, use after the specified battery life has expired or any other cause.
- We assume no responsibility, directly or indirectly, for financial losses or claims from third parties resulting from the use of this product and any of its functions, such as stolen credit card numbers, the loss or alteration of stored data, etc.
- All company and/or product names are trademarks and/or registered trademarks of their respective holders.
- Screen layouts illustrated in this operation manual may differ from those on the handset. The information described in this operation manual is subject to change without notice.
- All the functions described in this operation manual may not be supported by all networks.
- We assume no responsibility for contents, information, etc. downloaded from the network.

- The CGS-LCD is a world advanced technology product, giving you fine picture quality. Occasionally, a few black or bright pixels may appear on the screen. Please note that this will not have any impact on any of the features or performance.

Copyright

According to copyright laws, the reproduction, alteration and use of material which is protected by copyright (music, pictures, etc.) is only permitted for personal or private use. If the user is not in possession of more extensive copyrights or has not received the explicit permission from the copyright owner to reproduce, alter or use a copy which has been made or modified in this way, this is considered to be a violation of the copyright laws and gives the copyright owner the right to claim for damages. For this reason, avoid the illegal use of material which is protected by copyright.

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BROWSER BY



OPENWAVE



Declaration of Conformity

Hereby, Sharp Telecommunications of Europe Ltd, declares that this TM100 is in compliance with the essential requirements and other relevant provisions of Directive 1995/5/EC.

A copy of the original declaration of conformity can be found at the following Internet address:
<http://www.sharp-mobile.com>

Safety Precautions and Conditions of Use

Your handset conforms to international regulations insofar as it is used under normal conditions and in accordance with the following instructions.

Electromagnetic waves

- Do not switch on your handset aboard an aircraft (as your handset 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 handset in a hospital, except in designated areas. Use of your handset's functions may affect the performance of medical electronic units (pacemakers, hearing aids, insulin pumps, etc.). When the handset 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 handset on the opposite side of your body from where it is located. The handset should be kept at least 15.24 cm (6 inches) from a pacemaker at ANYTIME the handset is switched on.

- Do not switch on your handset near gas or flammable substances. Observe the rules concerning the use of handsets at petrol stations, chemical plants and at all sites where a risk of explosion exists.

Caring for your handset

- Do not allow children to use your handset without supervision.
- Do not open or attempt to repair your handset yourself. The product can only be repaired by authorised service personnel.
- Do not drop your handset or subject it to severe impacts. Bending the body and pushing the display or keys with force could damage the handset.
- Do not use solvents to clean your handset. Use only a soft, dry cloth.
- Do not carry your handset 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 handset, since the delicate components within can be damaged by static electricity.
- Do not stick items to the back of the display.

Battery

- Use your handset 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 handset usage will affect talk time and standby 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 handset ignoring the alert, the handset may malfunction, and all data and settings you have stored may be lost at any moment.
- Before removing the battery from the handset, make sure the handset is switched off.
- 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 handset, use a cover made of nonconductive material for keeping and carrying the battery safely.
- Recommended temperature for using and storing batteries is approximately 20°C.
- The battery's performance is limited in low temperatures, particularly below 0°C and the handset

may not work temporarily regardless of the amount of remaining battery power.

- Exposing the handset 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 standby time) is noticeably shorter than normal, it is time to buy a new battery.
- Use only the standard accessory battery (CE-BL100).

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS
See "Battery Disposal" below.

Battery Disposal

- Take the Used battery to the local waste depot.
- Do not expose the used battery to an open flame. Do not dipose in water or dispose with household waste.

RF Connector

- This RF connector is for connecting Sharp-approved antennas to the handset. Do not connect unapproved or modified equipment as this may damage the handset or cause the SAR limit to be exceeded.
- Do not touch or crowd the connector unnecessarily as this may affect standby and call times.
- To avoid interfering with blasting operations, turn off the handset in a blasting area or in a place where a “turn off two-way radio” sign is posted.

Camera Operation

- Learn picture quality, file formats, etc. beforehand. The display supports up to 65,536 colours. Pictures can be saved in JPEG format.
- Be careful not to move your hand while taking pictures. If the handset moves while taking a picture, the picture can be blurred. When taking a picture, hold the handset firmly to prevent it from moving, or use the delay timer.
- Clean the lens before taking a picture. Fingerprints, oil, etc. on the lens hinder clear focusing. Wipe with a soft cloth before taking a picture.

Miscellaneous

- As the handset uses an electronic storage unit, data may be lost or corrupted under various circumstances.

- Before connecting the handset to a PC or a peripheral unit, read the operation manual for the other unit carefully.
- If the handset's battery has been removed for some time, or the handset has been reset, the unit's clock and calendar may be reinitialised. The date and time should be updated.
- Use only the attached hands free. Some handset's functions may not work when unauthorised hands free are used.
- The handset uses the magnet to recognise that the handset is closed. Do not place magnetic cards near your handset or get the card caught in the handset as it may damage the recorded data.

Environment

- Keep your handset 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 can splash onto it. Raindrops, water spray, juice, coffee, steam, perspiration, etc. may also cause a malfunction.

Precautions Concerning Vehicle Use

- It is the user's responsibility to verify if local laws permit the use of a handset 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 handset with the attached hands free.
- Use of your handset's function may interfere with the vehicle's electronic systems, such as the ABS antilock brakes or the air-bag. To ensure no such problem occurs, please check with your dealer or car manufacturer before connecting your handset.
- 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 handset 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 handset 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 handset 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 handset SAR value is 0.327 watts per kilogram.

This has been tested to ensure that this limit is not exceeded even when the handset is operating at its highest certified power. In use however your handset may operate at less than full power because it is designed to use only sufficient power to communicate with the network.

FCC Declaration of conformity

Triple-band phone: TM100 with USB cable(CE-UC30) and AC charger(CE-EA32)

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

SHARP ELECTRONICS CORPORATION
Sharp Plaza, Mahwah, New Jersey 07430
TEL:1-800-BE-SHARP

Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE



FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Information To User

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1 Reorient/Relocate the receiving antenna.
- 2 Increase the separation between the equipment and receiver.

- 3 Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4 Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

Exposure to Radio Waves

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted level of RF energy for the general population.

The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for

wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, SAR. The SAR limit set by the FCC is 1.6W/kg, * Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands.

Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 0.135W/kg and when worn on the body, as described in this operation manual is 0.392W/kg. Body-worn Operation; This device was tested for typical body-worn operations with the back of the phone kept 15mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 15mm separation distance between the user's body and the back of the phone. The use of belt-clips, holsters and similar accessories should not contain metallic

components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided. While these may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID APYNAR0055.

Additional information on Specific Absorption rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) web-site at <http://www.phonefacts.net>.

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6Watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

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Quick Setup

Quick Setup gives you the basic information you need to start using your handset by simply following the steps.

Step 1: Unpacking

Check that you have the following items;

- The handset
- Rechargeable Li-ion battery
- AC charger
- Hands free EARphone & MIC
- Hands free EARphone & MIC Adapter
- CD-ROM
- Operation Manual

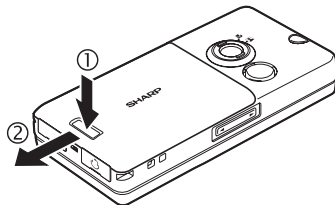
Some other brochures or supplements may also be contained.

Step 2: Inserting the SIM Card and the Battery

In order to access the services available, do not forget to insert a SIM card and a battery. The SIM card carries the user's identity for accessing the network and also stores personal information such as the handset directory and

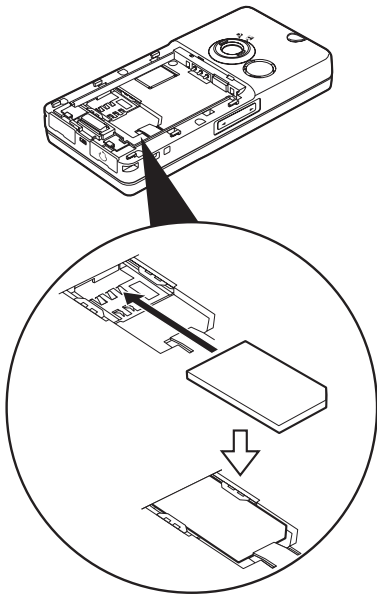
received SMS messages, etc. Only use a 3V SIM card with your handset.

- 1** Press (①) and slide the cover in the direction of the arrow (②).

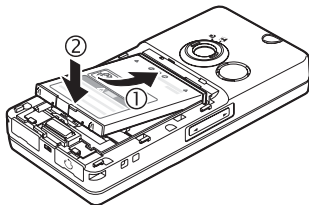


- 2** Remove the battery cover.

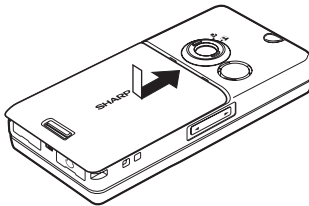
- 3** Slide the SIM card into the SIM holder as illustrated.
Do not touch the metal part of the SIM terminal.



- 4** Position the battery with the printed side up. Insert its top end as illustrated into slot ① and insert the other end into position ②.



- 5** Align the battery cover with the battery compartment as illustrated and slide it in the direction of the arrow until it clicks.



Removing the SIM Card

In step 3, press the back of the card, slide it in the opposite direction and remove it from the SIM holder.

Step 3: Charging the Battery

The battery is not fully charged when you purchase the handset. Charge the battery for at least 2 hours before using the handset.

Using the Charger

- 1 Insert the charger plug into an AC outlet.
- 2 Open the external connector cap and insert the charger (label facing up) into the USB/Charger connector. The Indicator LED lights red.

- 3 When charging is complete, the Indicator LED turns off.



Charging time may vary depending on the state of the battery and other conditions. For information on the battery, refer to "Battery" on page 1-5.


Removing the charger






Disconnect the charger plug from the AC outlet and unplug the charger from the handset.

To charge using the cigarette lighter charger

The optional cigarette lighter charger (CE-CL30) supplies power for charging from the cigarette lighter socket of a car.


Battery Status

Check the battery indicator displayed in the upper left of the display to estimate remaining battery power. When the battery is empty, “” appears on the display and an alarm sounds. The battery may only last for another 5 minutes. If you are using your handset, charge the battery immediately.


Battery Indicators	Charge Level
	Sufficiently charged
	Partially charged
	Charging recommended
	Charging required
	Empty

Step 4:


Turning Your Handset On

Press  and hold for approximately 2 seconds. The standby screen appears.



- For information on key operations, refer to “Parts and Controls” on page 4-18.
- When turning on the handset, you will be asked to enter a PIN (Personal Identification Number) code. Enter it and press . For more information, refer to “If You Upgrade Your Handset” on page 3-16.


Turning Your Handset Off















Press  and hold for approximately 2 seconds.

Step 5:

Setting the Date and Time

Set the date and time before using the handset. If date and time are left unset, you cannot operate some time-based functions correctly.

- 1 Slide open the handset.
- 2 Press .
The main menu appears.

- 3** Press , ,  or  to highlight “Settings” and press .
- 4** Press  or  to highlight “Date & Time” and press .
- 5** Press  or  to highlight “Set date/time” and press .
- 6** Enter the day, month, year and time using the digit keys and press .
If you enter the time in the 12-hour format, press . Press  to switch between am and pm.




For more information on how to set date and time, refer to “Setting the Date and Time” on page 15-146.

If You Upgrade Your Handset

If you have a mobile phone before purchasing this handset, you may use your previous SIM card with the new handset. In this case, you should keep in mind two things for the setup.

Entering the PIN Code

If you insert a SIM card you have used for your previous mobile phone, you may be requested to enter a PIN code when you turn on your handset. For more information on the PIN code, refer to “Setting Security” on page 15-147.



















- 1** Enter your PIN code that you used for your old mobile phone.
- 2** Press .



- *If your PIN code is entered incorrectly three times in a row, the SIM card is locked.*
- *To release the lock, try entering the PUK (Personal Unblocking Key) code (8 digits) provided by your service provider. For more information on the code, contact your service provider.*

Copying the Contacts List from the SIM card

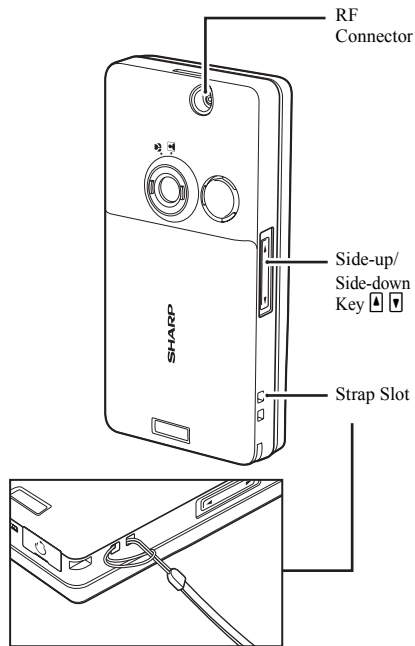
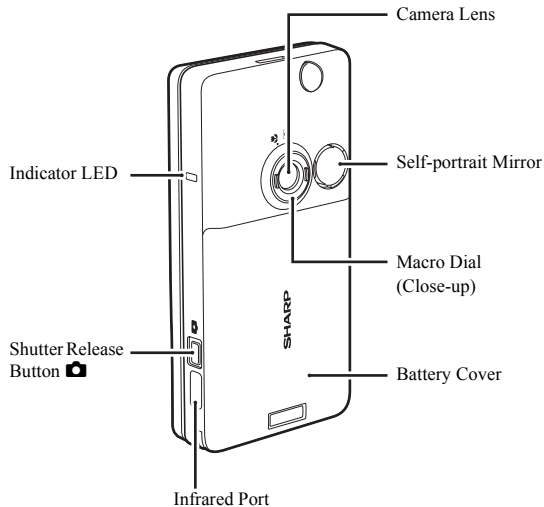
The first time you insert a SIM card you have used for your previous mobile phone, you are asked whether you wish to copy the information such as the “Contacts list” entries. Follow the on-screen instructions, or you can do it later using the “Contacts list” menu as follows.

- 1** Press .
The main menu appears.
- 2** Press , , , or  to highlight “Contacts” and press .
- 3** Press  or  to highlight “Contacts list” and press .
- 4** Press  [Options].
The “Options” menu appears.
- 5** Press  or  to highlight “Advanced” and press .
- 6** Press  or  to highlight “Copy all from SIM” and press .
- 7** Press  [Yes].
Copying starts.
To cancel, press  [No].

Main Handset Unit

Before reading this operation manual, becoming familiar with the names and locations of parts and controls is recommended.

Also, in this section are icons and indications that change in the display.



Slide Functions

When open:

- the display and keypad light up.
- the keypad is unlocked.

When closed:

- the keypad is locked.
- Java™ applications are suspended.
- the display returns to standby mode (except while entering text, in camera mode, or, etc.)
- the handset sends the busy tone to the caller.
For information on how to set this function, refer to “Settings for Sliding the Handset Closed” on page 15-137.
- calls are terminated
For information on how to set this function, refer to “Settings for Sliding the Handset Closed” on page 15-137.















Hands free EARphone & MIC Connection


















- 1** Put the pad over the earphone. (You can use the hands free EARphone & MIC without the pads.)
- 2** Open the external connector cap and insert the hands free EARphone & MIC adapter into the earphone connector as illustrated (②).
- 3** Insert the plug of the hands free EARphone & MIC into the other end of the hands free EARphone & MIC adapter as illustrated (③).
For information on how to answer a call, refer to “Answering a Call” on page 6-27.

Display Indicators

This section describes the status indicators displayed on top of the screen.

Status Indicators

1.  /  : Indicates the strength of the received signal or that the service is out of range.
2.  : Indicates the battery level.
3.  : Appears when in call.
4.  /  : Appears when a new SMS/MMS message has arrived.
5.  : Appears when the "Outbox" contains messages you failed to send.
6.  : Appears when vibration (page 9-55) is set.
7.  : Appears when "Setting the Ringer Volume" (page 15-129) is set to "Silent."
8.  : Appears when the alarm is set.
9.  /  /  /  : Indicates the handset's profiles (Conference/Activity/In car/Silent) (page 15-128).

10. : Appears when the T9 text input method is activated.
11.  /  /  / : Indicates the text input method (First letter upper case mode/ Upper case mode/Lower case mode/Numeric mode).
12.  / : Appears when the Java™ application is executed (colour) or suspended (sepia).
13.  / : Appears when viewing secured WAP* browsers.
14. : Appears when “Diverts” (page 15-138) is set to “All Calls.”
15. : Appears when your handset is roaming outside of your network.
16. : Appears when your handset is GPRS** enabled and within range. Flashes during GPRS transmission.
17.  / : Appears when the WAP or MMS communication is in CSD*** or GPRS mode.
18. : Appears when the USB cable (CE-UC30) is connected to your handset.
19.  / : Appears when “Infrared” is on or during connection.

*WAP (Wireless Application Protocol)

A generic name for the communication protocol used to access the Internet on small wireless mobile terminals such as mobile phones and PDAs.







**GPRS (General Packet Radio Service)

GPRS is a packet data transmission service for mobile phones based on the GSM standard. When using data communications like WAP, there is no need to keep track of connection time as rates are charged by the amount of data (number of packets) transmitted. The service gives you the feeling of a continual connection without the worries of a dial-up connection. The connection speed varies according to mobile phone and provider specifications as well as crowding on the network.

***CSD (Circuit Switched Data)

Circuit switching is, in other words, the conventional way of transmitting data. Just like a telephone landline, rates are charged by connection time. Maximum connection speeds are 9.6kbps and 14.4kbps, but are affected by mobile phone and provider specifications.

Using the Main Menu



After turning your handset on, the **standby screen** appears. If you wish to use any functions other than the basic call operation, press  once to get the **main menu**. This has 9 gates for functions, operations, and settings. When you reach the main menu, use , ,  or  (**navigation keys**) to navigate the cursor and press  to select the function you wish to enjoy.



In this manual, the operation required to access functions is described by the operation of the navigation keys.

Basic Key Operations

To use soft keys and the centre key

Your handset uses soft keys ( and ) to help navigate the handset. At the bottom left and right side of the display, the respective operations of the keys are shown. The function of each soft key at any given time is displayed at the bottom left and right of the screen.


The function of the centre key is displayed in the centre by a graphical icon.

Example:

When  [Back] is displayed as illustrated:






Press  [Back] to return to the previous menu.

When  [Select] is displayed as illustrated:


Press  [Select] to select a menu item.

To use navigation keys






, , ,  indicate the navigation keys.

When you navigate the cursor to select an item, press , ,  or  to highlight the item and press .

To use the key

Press  to return to the standby screen.



- To return to the previous menu, you can also press  except when returning to the standby screen.
- To select an item in the menu,  [Select] can be used instead of . Also,  can be used to select an item when  is displayed at the right edge on the display.

List of Menu Function Items

This table shows you the items in the function level (1st level), their respective menus (2nd level) and their page number.

Main Menu (1st level)	Sub Menu (2nd level) & Page No.
SIM Application	
Profiles	
<hr/>	
Call Register	Missed calls (page 14-115)
	Received calls (page 14-115)
	Dialled numbers (page 14-115)
	Call timers (page 14-118)
	Call costs (page 14-119)
	Data counter (page 14-121)


Main Menu (1st level)	Sub Menu (2nd level) & Page No.
Messages	SMS (page 11-65)
	MMS (page 11-65)
	E-mail (page 11-65)
	Text templates (page 11-66)
	Voice mail (page 11-80)
	Memory status (page 12-106)
Downloads	Cell Broadcasts (page 11-80)
	Cell info (page 11-82)
	Pictures (page 12-83)
	Sounds (page 12-90)
	Games & more (page 12-100)
Contacts	Videos (page 12-103)
	Memory status (page 12-106)
	Contacts list (page 9-48)
	Speed dial list (page 9-60)
Organiser	My numbers (page 9-61)
	Calendar (page 13-107)
	Alarm (page 13-109)
	Calculator (page 13-112)
	Memo recording (page 13-113)
Camera	Phone help (page 13-114)
	Create picture (page 7-33)
	Create video (page 7-38)

Main Menu (1st level)	Sub Menu (2nd level) & Page No.
Settings	Phone settings (page 15-122)
	Profiles (page 15-128)
	Connectivity (page 15-140)
	Java™ (page 15-143)
	Date & Time (page 15-146)
	Security (page 15-147)
	Account settings (page 15-159)
	Internet
	Favourites settings (page 15-160)
	Master reset (page 15-161)



Basic Handset Operations

This section describes basic phone call functions.
Confirm that the handset is on.


Making a Call

- 1 Slide open the handset and enter a phone number with the keypad.
When entering a number, start with the area code.
- 2 Confirm the number and press .
Start talking when the connection is established.

If you enter a wrong number

Press  [Clear] to delete one digit. Press  [Clear] and hold for approximately 2 seconds to delete all digits and return to standby mode.

Ending a Call





Press  to end the call.

The estimated total time for the call appears.







Sliding close the handset also ends a call.

Answering a Call

- 1 The handset rings and the Indicator LED flashes for an incoming call.
- 2 Press ,  or  [Answer].
The call is connected and  appears.

When the Any Key Answer Function is Activated

When the "Any Key Answer" function is on, you can answer the call by pressing any key except , ,  or . For information on "Any Key Answer," refer to "Setting Any Key Answer" on page 15-133.

When the Hands Free Kit is Connected

When the Hands Free Kit is Connected, press the button of the hands free EARphone & MIC as illustrated to answer a call.



- When the Hands free EARphone & MIC is connected to the handset and the "Any Key Answer" function is set to "On" you can, answer calls by pressing the or key.
- When the Hands free EARphone & MIC is connected to the handset, and "Automatic answer" is set to "On", the handset automatically connects the call after the specified time and you can talk to the caller. For information on "Automatic answer", refer to "Setting the Automatic Answer" on page 15-134.
- If your subscription includes the Calling Line Identification (CLI) service, the caller's number appears on the screen. If the caller's name and number are stored in the "Contacts list," the caller's name and phone number appear on the screen.
- If the number is a restricted number, "withheld" appears.
- When receiving a call from a person whose picture is registered in the "Contacts list," the receiving display and the picture appear alternately. For more information on the "Contacts list" refer to "Using the Contacts List" on page 9-48.

Rejecting an Incoming Call

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

- 1 Press while the handset is ringing.



You can also reject an incoming call by sliding closed the handset.

Redialling

The handset keeps a record of the phone numbers of the 10 most recent calls dialled, missed, or received. You can retrieve these phone numbers to make calls.

- 1 Press while the handset is in standby mode.
- 2 Press or to highlight a category between "Dialled numbers," "Received calls," and "Missed calls."
- 3 Press or to highlight the number you wish to call.
- 4 Press to redial the call.

Setting Automatic Redialling

This function makes the handset redial automatically when the first redial attempt is unsuccessful. For information on "Auto redial," refer to "Activating Auto Redial" on page 15-137.

Useful Functions

Speed Dialling

Up to 9 phone numbers from the “Contacts list” memory (Handset and SIM) can be assigned to speed dials. You can call the numbers using the digit keys. For information on the “Speed dial list,” refer to “Setting the Speed Dial List” on page 9-60.

- 1 To dial a number using the speed dial, press and hold for approximately 2seconds any of the digit keys (2abc to 9wxyz and 0_). 1_ cannot be used as the speed dial because it is already assigned to the “Voice mail.”)
The phone number stored in the “Speed dial list” is dialled.

Call Waiting

This service enables you to talk to a third party while you are in the middle of another call. After activating this service, a beep tone notifies you of the second call.

To activate this service, refer to “Activating the Call Waiting Service” on page 15-135.







- 1 During a call, press [Options].
The “Options” menu appears.

- 2 Press [Hold] or [Hold] to highlight “Hold & Answer” and press [Enter].
The second party is put on hold and you can talk to the third party.
- 3 Press [Options].
The “Options” menu appears.
- 4 Press [Hold] or [Hold] to highlight “Swap calls” and press [Enter].
You can switch between the two calls.
- 5 Press [Options].
The “Options” menu appears.
- 6 Press [Hold] or [Hold] to highlight “Release call” and press [Enter].
You are ending the current call to return to the held call.







- The call waiting service may not be available on all networks. Contact your service provider for more information.
- If you do not wish to answer the second call, press [Reject], or press [Options] and press [Hold] or [Hold] to highlight “Busy” or “Reject,” then press [Enter] in step 2. If “Reject” is selected, the call log of the second call is saved as a missed call.





Accessing the SMS Menu During a Call

- 1 During a call, press  [Options].
The "Options" screen appears.
- 2 Press  or  to highlight "SMS" and press .
- 3 Press  or  to highlight one of following options.
When selecting "Create Message":
allows you to make an SMS message.
When selecting "Inbox," "Sent," or "Drafts":
allows you to access these folders. For more information on SMS, refer to "Using the Message Service" on page 11-65.



Conference Call

This service enables you to call more than 2 people at the same time. You can talk with 5 participants at most with this service. To make a conference call, you must have one active call and one held call.





- 1 With one active call and one held call, press  [Options].
The "Options" menu appears.
- 2 Press  or  to highlight "Multiparty" and press .

- 3 Press  or  to highlight "Conference all" and press  to initiate the conference call.
You can talk with all the people on the line.
- 4 Press  to end the conference call.
The conference call ends.





To add new participants to the conference call

- 1 During the call, press  [Options] and select "Dial."
- 2 Enter the phone number you wish to include in the conference call.
- 3 Press .
After the call is connected, continue from the step 1 of "Conference Call."
If you wish to include other participants in the conference call, perform the same process again.





To put all the participants on hold

- 1 During the call, press  [Options] and select in the following order : "Multiparty" → "Conference all."
- 2 Press  or  to highlight "Conference Hold all" and press .





To reject adding more participants

- 1** During the call, press  [Options] and select in the following order : “Multiparty” → “Conference all.”
- 2** Press  or  to highlight “Reject” to reject or “Busy” to send the busy tone and press .





To put the current call on hold and continue having a conference call with the remaining participants

- 1** During the call, press  [Options] and select in the following order : “Multiparty” → “Conference all.”
- 2** Press  or  to highlight “Exclude” and press .







To disconnect from the conference call but still allow the other participants to continue talking together

- 1** During the call, press  [Options] and select in the following order : “Multiparty” → “Conference all.”
- 2** Press  or  to highlight “Transfer” and press .

To end the call with all participants



- 1** During the call, press  [Options] and select in the following order : “Multiparty” → “Conference all.”
- 2** Press  or  to highlight “Release all” and press .








To end the call with a conference call participant

- 1** During a conference call, press  or  to highlight the person that you wish to disconnect from the conference call.
- 2** Press  [Options].
The “Options” menu appears.
- 3** Press  or  to highlight “Release call” and press .

To have a conversation with participants privately

When you wish to have a conversation with one of the participants privately, you can select a person from the conference list and put others on hold.

- 1** During a conference call, press  or  to highlight the person that you wish to disconnect from the conference call.

- 2** Press  [Options].
The “Options” menu appears.
- 3** Press  or  to highlight “Multiparty” and press .
- 4** Press  or  to highlight “Private” and press .
- 5** When you have finished the private conversation, continue from step 1 of “Conference Call (page 6-30).”












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

Using the Camera

This handset features a built-in camera and video. The functions now let you take pictures or video clips, as well as having a digital zoom. Once you've taken your picture or video, you can save it, then send it to others via MMS. For information on how to send pictures and video clips, refer to "Sending Pictures/Video Clips" on page 7-43.



Capturing Still Images



- 1** Press .
The main menu appears.
 - 2** Press , , , or  to highlight "Camera" press .
 - 3** Press  or  to highlight "Create picture" and press .
- The camera image appears in the display and the display switches to the landscape as illustrated in step 4.








- *The navigation key reorients to correspond to the horizontal position of the camera.*
- *All the following explanations for camera and video modes show the navigation keys as seen when the handset is held horizontally.*

- 4** Hold the camera horizontally as illustrated.

- 5** Press the shutter release button () or .
- The shutter sound is heard, and the still image shot appears.

- 7** If you wish to retake a picture without saving, press  [] in this step. You can take the picture again.



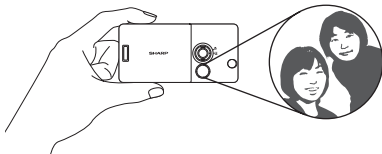
- Pressing  while the handset is in standby mode also activates the camera.
- Pressing the shutter release button for approximately 2 seconds also activates the camera mode.
- If you wish to leave digital camera mode without registering the taken picture, press  before step 6.
- While in the "Create picture" mode, you can switch to the "Create video" mode. Press  [] to display the "Options" menu and select "Change to video mode," then press .



- *This handset uses a CCD sensor. Although this handset has been manufactured carefully, some pictures may still appear too bright or too dark.*
- *If the handset has been left in a warm place for a long time before taking or registering a picture, the picture quality may be poor.*
- *Pictures taken with the camera may differ from the actual image of the subject in colour and brightness.*

To take a self-portrait









Hold the handset as illustrated to take a self-portrait or a group picture. You can see your reflection in the mirror provided.











Selecting the Picture Size

Pictures are saved in JPEG format in the following three sizes.

Large:	480 × 640 dots
Medium:	240 × 320 dots
Small:	120 × 160 dots



- 1 At the main menu, select in the following order: "Camera" → "Create picture."
- 2 Press  [].
The "Options" menu appears.
- 3 Press  or  to highlight "Picture size" and press .
- 4 Press  or  to highlight the picture size you wish to select and press .

Selecting the Picture Quality

- 1 At the main menu, select in the following order: "Camera" → "Create picture."
- 2 Press  [].
The "Options" menu appears.
- 3 Press  or  to highlight "Picture quality" and press .
- 4 Press  or  to highlight "Normal" or "Fine" and press .

Adjusting the Brightness of the Picture

- 1 At the main menu, select in the following order: "Camera" → "Create picture."











- 2 Press  (brighter) or  (darker) to adjust the brightness (exposure level) of the picture.



Returning to the standby mode once, resets the brightness setting to default.













Selecting the Shutter Sound

You can select the shutter sound from 3 preset patterns.

- 1 At the main menu, select in the following order: "Camera" → "Create picture."
 - 2 Press  [].
The "Options" menu appears.
 - 3 Press  or  to highlight "Shutter sound" and press .
 - 4 Press  or  to highlight the sound you wish to select and press .
- You can select from "Pattern 1," "Pattern 2," or "Pattern 3."
- To play back the shutter sound, press  [].

Viewing the Saved Pictures

You can review the pictures saved in “My pictures.”














- 1** At the main menu, select in the following order: “Camera” → “Create picture.”
- 2** Press  [].
The “Options” menu appears.
- 3** Press  or  to highlight “My pictures” and press .
The thumbnail index of saved pictures appears.
- 4** Press , , , or  to select the image you wish to view and press .
The selected picture appears.
- 5** After you view the picture, press  [].
The display returns to the thumbnail index.



- When you save pictures, the assigned file names are “YMMDDnnn.jpg” (YMMDD is a Y (Year), M (Month), D (Day) and nnn is a 3 digit number).
- You can view the file name, date and size of your pictures in the thumbnail index of saved pictures.

Selecting the Frame

You can select and set the frame from preset patterns or saved pictures.

- 1** At the main menu, select in the following order: “Camera” → “Create picture.”
- 2** Press  [].
The “Options” menu appears.
- 3** Press  or  to highlight “Add frame” and press .
- 4** Press  or  to highlight “Preset frame” or “My pictures” and press .
If you wish to put no frame, select “Off.”
- 5** Press , , , or  to select the frame you wish to view and press .








- If you set the picture size to “Large,” you cannot select a frame.
- If you activate “Using Continuous Shooting (page 7-37),” you cannot set a frame.
- If you set frames from “My pictures”, select PNG format only in step 5.




Using Continuous Shooting



Four pictures are taken in succession. Auto shooting and manual shooting are available.



- 1 At the main menu, select in the following order:
“Camera” → “Create picture.”

- 2 Press  [].
The “Options” menu appears.



- 3 Press  or  to highlight “Continuous shooting” and press .

- 4 Press  or  to highlight “Auto shooting” or “Manual shooting” and press .



Auto shooting: Four pictures are taken in a row by pressing  or .

Manual shooting: Pictures are taken one by one by pressing  or .

To cancel continuous shooting, select “Off” in this step.

- 5 Press the shutter release button ( or  to start continuous shooting.

When the continuous shooting is finished, the pictures taken are saved automatically.










To end the function, press  [].



- If you set the picture size to “Large”, you cannot use the continuous shooting function.
- If you select a frame for taking pictures, you cannot use the continuous shooting function.

Shooting Video Images

You can record video clips with sound.

- 1** Press .
The main menu appears.
 - 2** Press , , , or  to highlight “Camera”
press .
 - 3** Press  or  to highlight “Create video” and
press .
- The video image appears in the display and the display switches to the landscape as illustrated in step 4. The navigation key reorients to correspond to the horizontal position of the camera.

- 4** Hold the camera horizontally as illustrated.
- 5** Press the shutter release button () or .
The sound of starting the video recording is heard and the recording starts.
If you press  or  again, the recording stops and the sound of ending the video recording is heard.



While in the “Create video” mode, you can switch to the “Create picture” mode. Press [] to display “Options” menu and select “Change to video mode,” then press .

Selecting Video Quality

- 1 At the main menu, select in the following order: “Camera” → “Create video.”
- 2 Press [].
The “Options” menu appears.
- 3 Press or to highlight “Video quality” and press .
- 4 Press or to highlight “Normal” or “Fine” and press .

Adjusting the Brightness of Video Clips

In “Create video” mode, press (brighter) or (darker) to adjust the brightness (exposure level) of video clips.





Returning to the standby mode once, resets the brightness setting to default.

Viewing Saved Video Clips



You can view saved video clips in “My videos.”

- 1 At the main menu, select in the following order: “Camera” → “Create video.”
 - 2 Press [].
The “Options” menu appears.
 - 3 Press or to highlight “My videos” and press .
 - 4 Press , , , or to select the video clip you wish to playback and press .
 - 5 Press .
- The selected video clip is played back.
To pause playback, press .
- To resume playback,** press again.
- To stop playback,** press [].
- To display the video clip in actual size,** press [].

- 6** After you have checked the video clip, press  .

The display returns to the thumbnail index.











- When you save video clips, the assigned file names are “YMMDDnn.3gp” (YMMDD is a Y (Year), M (Month), D (Day) and nnn is a 3 digit number).
- The file name, date and size of your pictures are displayed in the thumbnail index of saved video clips.
- If the video clip has been recorded with sound, the volume can be adjusted by pressing  or .
- The volume depends on the “Ringer Volume” setting (p. 15-129). The volume is 0 when “Ringer Volume” is set to “Silent” or “Step Tone.”

Recording Video Clips without Sound

You can select to record video clips with or without sound.

In the default setting, the video clip is recorded with sound. To record the video clip without sound, follow the steps below.

- 1** At the main menu, select in the following order: “Camera” → “Create video.”
- 2** Press  .
The “Options” menu appears.
- 3** Press  or  to highlight “Voice record” and press .
- 4** Press  or  to highlight “Off” and press .

Common Functions & Information

This section describes useful common functions you can use for both camera and video.

Using the Digital Zoom Function

- 1 At the main menu, select in the following order: "Camera" → "Create picture" or "Create video."
- 2 Press to zoom out (the subject becomes smaller) or press to zoom in (the subject becomes larger.)
Zoom ratio switches between "×1," "×2," and "×4."



- When "Picture Size" is set to "Medium" in "Create picture" mode, you can use the digital zoom function in two steps (×1, ×2).
- When "Picture Size" is set to "Large" in "Create picture" mode, the digital zoom function is not available.

Taking Close-up Pictures

When the distance to the subject is approximately 5 cm, set the macro dial to the macro position (). When the distance to the subject is approximately 40 cm or more, set the macro dial to the normal position ().

- 1 At the main menu, select in the following order: "Camera" → "Create picture" or "Create video."
- 2 Set the macro dial to the macro position ().
- 3 Press the shutter release button (or) to take a picture or to record video.

To cancel macro mode

Set the macro dial to the normal position ().

Using the Delay Timer

- 1 At the main menu, select in the following order: "Camera" → "Create picture" or "Create video."
- 2 Press [].
The "Options" menu appears.
- 3 Press or to highlight "Delay timer" and press .
- 4 Press or to highlight "On" and press .
" " appears and returns to "Create picture/video" mode.

- 5** Press the shutter release button () or to start the delay timer.
10 seconds after the timer sounds, the shutter sounds, and the camera takes a picture or starts recording video.

To cancel the delay timer

- 1** Press [] while the delay timer setting is on.
The "Options" menu appears.
- 2** Press or to highlight "Delay timer" and press .
- 3** Press or to highlight "Off" and press .



- While the delay timer is operating, the indicator LED flashes.
- If the shutter release button () or is pressed while the delay timer is operating, the picture is taken immediately.
- The zoom function with or , and brightness adjustment of the picture/video with or are unavailable while the delay timer is operating.
- If you wish to stop taking pictures with the timer, press [] while the delay timer is operating.






Using the Night Mode

This option allows you to take a picture of the best quality when it is dark.

- 1** At the main menu, select in the following order: "Camera" → "Create picture" or "Create video."
 - 2** Press [].
The "Options" menu appears.
 - 3** Press or to highlight "Night mode" and press .
 - 4** Press or to highlight "On" and press .
- "" appears and the handset returns to "Create picture/video" mode.

Sending Pictures/Video Clips

You can send your saved pictures/video clips to other handsets via MMS.

- 1 In “Create picture / video” mode, after taking a picture or recording video, press  or  to highlight “Send via MMS” and press . In “Create picture” mode, press  [] after taking picture to select “Send via MMS.” For information on how to send pictures or video clips, refer to the page 12-88 for sending pictures, and page 12-104 for sending video clips.

Deleting Pictures/Video Clips

For information on how to delete pictures or video clips, refer to page 12-90 for deleting pictures, and page 12-105 for deleting video clips.

When the Memory Space is Low

When the available space in “My picture/My videos” memory is low, the remaining shots indicator in the upper

left of the screen turns red. If the memory space becomes zero, and when you try to take a picture again, “Memory full. You cannot take a picture!” (“Memory full. You cannot record a video!” in the “Create video” mode) appears.

Meanings of Indicators in the “Create Picture/Video” Mode

Remaining shots/sets indicator

123: Indicates the remaining number of pictures or sets of video clips that can be taken or recorded.

Delay timer indicator (p. 7-41)



: Indicates when the delay timer is set.

Continuous shooting indicators (for the “Create picture” mode only)(p. 7-37)



: When pictures are taken in continuous shooting mode, these indicators appear on the screen.

Picture size indicators (for “Create picture” mode only) (p. 7-34)



Large: 480 × 640 dots



Medium: 240 × 320 dots



Small: 120 × 160 dots

Picture quality indicators (for “Create picture” mode only)(p. 7-35)

Indicates the quality (normal or fine) of the picture to be taken.






 : Fine
 : Normal

Video quality indicators (for “Create video” mode only) (p. 7-39)

Indicates the quality (normal or fine) of video clip to be recorded.




 : Fine
 : Normal

Picture/Video brightness (exposure level) indicators (p. 7-35, p. 7-39)

 (+2): Bright
 (+1): ↓
 (±0): Normal
 (-1): ↓
 (-2): Dark

Zooming ratio indicators (P. 7-41)

Indicates the magnification (×1, ×2, ×4).

 : Original size
 : Double size
 : Quadruple size

Voice recording indicator (for “Create Video” mode only) (p. 7-40)

 : On
 : Off

Entering Text

This section provides information on how to enter text using the handset keypad for contacts list entries and text messages, etc. Before you try to enter text, you should familiarise yourself with the text input methods. In multi-tap input method, several characters are assigned to each key and you enter the desired character by pressing the key a few times.

Text Table for Multi-tap Input

The table lets you know how many times you need to press a certain key to display the character you wish to enter. Pressing the key changes the character in order as shown in the table. When you reach the last character, it returns to the first one.

Example: Press **[2abc]** once. "A" appears. Press twice. "B" appears.

English Mode

Key	Upper Case Characters	Lower Case Characters	Numeric
[1ad]	. (full-stop) , (comma) - (hyphen) ? ! ' (apostrophe) @ :		1
[2abc]	ABC2	abc2	2
[3def]	DEF3	def3	3
[4ghi]	GHI4	ghi4	4

Key	Upper Case Characters	Lower Case Characters	Numeric
[5jkl]	JKL5	jkl5	5
[6mno]	MNO6	mno6	6
[7pqrs]	PQRS7	pqrs7	7
[8tuv]	TUV8	tuv8	8
[9wxyz]	WXYZ9	wxyz9	9
[0 _]	(space)+ = < > € £ \$ ¥ % & 0		0
[* +o]	*+P?		
# 000	. , ? ! : ; - + # * @ ' " () _ & € £ \$ % / ~ < > § = \ ¥ ÿ î ^ [] { } □ Å Ä Æ å ä æ à Ç È é ê ì Ñ ñ Ö Ø ö ø ò ß Ü ü ù Δ Φ Γ Λ Ω Π Ψ Σ Θ Ξ (space) (return)		








[0 _] - [9wxyz]: Press and hold to enter numbers 0-9.

[* +o]: Press and hold to shift to sentence mode, Upper case, Lower case or Numeric (Abc, ABC, abc, or 123).

000: Press and hold to shift between multi-tap and T9 mode.

Selecting the Input Language














You can select the input language on the text entry screen.

- 1 On the text entry screen, press  [Options]. The “Options” menu appears.
- 2 Press  or  to highlight “Input language” and press .
- 3 Press  or  to highlight the language you wish to select and press .

Selecting the Input Method

T9 Text Input

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

- 1 On the text entry screen, press  [Options]. The “Options” menu appears.
- 2 Press  or  to highlight “Input method” and press .
- 3 Press  or  to highlight the T9 mode (T9 Abc, T9 ABC, T9 abc) you wish to select and press .
“**T9**” appears on the top of the display.
- 4 Press each key once for any letter on that key.
Example: To enter the word “How”, press  
.
- 5 If the word shown isn’t the one you want, press  or  until you highlight the correct one.
- 6 Press  to select the word.



If the correct word is not shown in step 5, enter the correct word again after switching to the multi-tap input method.



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

Entering Symbols and Punctuation

To enter symbols or punctuation, press [#].

Using Text Templates

You can use the sentences registered in “Text templates” when entering text. For information on how to create the text templates, refer to “Registering Phrases to the Text Template” on page 11-78.

- 1 On the text entry screen, press ⏪, ⏩, ⏴, or ⏵ to move the cursor to the point you wish to insert the template.
- 2 Press [Options].
The “Options” menu appears.
- 3 Press ⏪ or ⏩ to highlight “Text template” and press [Enter].
- 4 Press ⏪ or ⏩ to highlight the text template you wish to select and press [Enter].
The selected text template is inserted.

Using the Contacts List

In the “Contacts list,” you can store the phone numbers and E-mail addresses of your friends, family and colleagues, etc. Using “Contacts list,” you can dial or send messages easily without entering a phone number or an E-mail address manually.

Contacts List Basics

In the “Contacts list,” you can store up to 500 entries. In each entry, you can store the following items.

Items stored in the handset memory

Name:	Up to 30 characters
Phone number:	Up to 40 digits, 3 phone numbers / entry
E-mail Address:	Up to 60 characters, 2 addresses / entry
Group:	Selectable from 8 groups
Address:	Up to 100 characters
Note:	Up to 60 characters
Thumbnail image:	1 image

Items stored in the SIM memory

Name:	The number of characters that can be stored differs depending on the SIM card you use.
Phone number:	Up to 40 digits



The capacity of the “Contacts list” differs between when storing in your handset memory and when storing in the SIM card. For example, you cannot store a thumbnail image in the “Contacts list” in the SIM card.

Viewing the Contacts List

- 1 Press .
The main menu appears.
 - 2 Press , , , or to highlight “Contacts” and press .
 - 3 Press or to highlight “Contacts list” and press .
- The index view of the “Contacts list” appears.



You can also access the “Contacts list” by pressing while in standby mode.













The “Contacts list” is empty when you purchase the handset.











Selecting the Memory

You can store new entries in the “Contacts list.” Before saving new entries or viewing stored entries in the “Contacts list,” select the handset memory or the SIM card memory.








Selecting the Memory for saving



- 1** At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2** Press  [Options].
The “Options” menu appears.
- 3** Press  or  to highlight “Advanced” and press .
- 4** Press  or  to highlight “Save to” and press .
- 5** Press  or  to highlight “Handset,” “Selection,” or “SIM” and press .
If you select “Selection,” you can select the memory (of the handset or SIM card) each time a new entry is saved. For information on how to select the memory when saving a new entry, refer to “Saving Information to the Contacts List” on page 9-50.

Selecting the Memory for viewing

- 1** At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2** Press  [Options].
The “Options” menu appears.
- 3** Press  or  to highlight “Advanced” and press .
- 4** Press  or  to highlight “Source” and press .
- 5** Press  or  to highlight “Handset” or “SIM” and press .

Saving Information to the Contacts List

- 1** At the main menu, select in the following order: "Contacts" → "Contacts list."
- 2** Press  [Options].
The "Options" menu appears.
- 3** Press  or  to highlight "Add new contact" and press .
The "New Entry" screen appears.
If you select "Selection" in step 5 of "Selecting the Memory for saving (page 9-49)," specify the memory (Handset or SIM) each time before making an entry.
When selecting "Handset entry:"
items you can enter are "Name," "Phone 1," "Phone 2," "Phone 3," "E-mail 1," "E-mail 2," "Group," "Address," and "Note."
When selecting "SIM entry:"
items you can enter are only "Name" and "Phone."
- 4** Press  or  to highlight the item you wish to enter and press .
The entry screen appears. For information on how to enter text, refer to "Entering Text" on page 8-45.







- 5** When you finish entering the information, press  and  [Save].




For information on items, the number of the characters you can enter, and digits of each item you can enter in the handset or SIM card memory, refer to "Contacts List Basics" on page 9-48.

Adding a Phone Number from Call Register Entries

You can enter the phone numbers and names of the caller in the "Contacts list" from "Call Register" logs such as "Missed calls," "Received calls," or "Dialled numbers."

- 1** Display the "Call Register" log you wish to select.
For information on "Call Registers," refer to "Using the Call History" on page 14-115.
- 2** Press  or  to highlight the number you wish to save in the "Contacts list" and press  [Options].
The "Options" menu appears.
- 3** Press  or  to highlight "Save to Contacts" and press .








Saving an Input Phone Number to the Contacts List

- 1** After you enter the phone number in standby mode, press  [Save].
- 2** Follow the steps from step 3 of “Saving Information to the Contacts List (page 9-50),” to complete the operation.

Dialling from the Contacts List

When dialling from the “Contacts list,” display the index view of the “Contacts list” first.







Dialling from the Contacts List Screen

- 1** At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2** Press  or  to highlight the name you wish to call and press  to dial.
If there are two or more entries registered in the selected entry, press  or  to highlight the phone number you wish to call and press .
If no entries are found in the list, you can create an entry from the list. Press  [Options] and follow from step 3 of “Saving Information to the Contacts List” (page 9-50).















- *You can also make a call by pressing the digit key corresponding to the list number.*
- *If you cannot find the name you wish to dial or send messages to, follow the steps in “Searching a Name and Number in the Contacts List (page 9-52).”*

Dialling from the Details Screen

- 1 At the main menu, select in the following order: "Contacts" → "Contacts list."
- 2 Press  or  to highlight the name which contains the phone number you wish to dial and press .
The detail screen appears.
- 3 Press  or  to highlight the phone number you wish to dial and press  to dial.





Sending Messages from the Details Screen




- 1 At the main menu, select in the following order: "Contacts" → "Contacts list."
- 2 Press  or  to highlight the name you wish to call and press .
The detail screen appears.
- 3 Press  or  to highlight the phone number or E-mail address of the recipient you wish to send a message to.
- 4 Press  [Options].
The "Options" menu appears.

- 5 Press  or  to highlight "Send message" and press .
- 6 Press  or  to highlight "via SMS," "via MMS," or "via E-mail" and press .

Searching a Name and Number in the Contacts List

If you cannot find the name or number you wish to call at a glance in index view, you can search for it by entering only the first few characters.

- 1 At the main menu, select in the following order: "Contacts" → "Contacts list."
- 2 Press  [Options].
The "Options" menu appears.
- 3 Press  or  to highlight "Search" and press .
- 4 Enter the first few characters of the name you wish to call.
Matched results appear in alphabetical order. If there is no exact entry in the "Contacts list," the name alphabetically similar appears.

- 5** Press  or  to scroll through the list for selecting the name you wish to call and press . The detail screen of the “Contacts list” appears.













You can also dial by pressing  when the name you wish to call is highlighted in step 4.






Editing the Contacts List



If you cannot find the name you wish to edit, follow the steps in “Searching a Name and Number in the Contacts List (page 9-52).”








Editing a Contacts List Entry










- 1** At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2** Press  or  to highlight the name you wish to edit.
- 3** Press  [Options].
The “Options” menu appears.
- 4** Press  or  to highlight “Edit” and press . The “Edit Entry” screen appears.
- 5** Press  or  to highlight the item you wish to edit and press .
- 6** When you have finished editing, press .
If you wish to edit another item, repeat steps 5 and 6.

- 7** Press  [Save].
The changes are saved.
If you do not wish to save the changes, press  [Options] before step 7 and press  or  to highlight “Cancel”, then press .

Adding a Thumbnail Image to Entries (for the handset entry only)

You can add a thumbnail image to entries in the handset memory.

- 1** At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2** Press  or  to highlight the entry you wish to add a thumbnail image to and press .
The detail screen appears.
- 3** Press  [Options].
The “Options” menu appears.
- 4** Press  or  to highlight “Thumbnail” and press .
The thumbnail list (the “My pictures” screen) appears.

- 5** Press  or  to highlight a thumbnail image you wish to add and press .
If the picture size exceeds 240 [W] × 320 [H] dots, press , , , or  to specify the area you wish to display and press .
- 6** Press  to add a thumbnail image to the entry.



You cannot add thumbnail images to entries in the SIM Memory.

To change the thumbnail image in the “Contacts list” entry

Select “Change” after step 4.

To remove the thumbnail image in the “Contacts list” entry

Select “Remove” after step 4.
















The “Options” menu items “Change” and “Remove” appear only when a thumbnail image is added to the selected entry.













If you delete an image added as a thumbnail in “My picture,” the corresponding thumbnail image is also removed.

Setting the Ringtone for a Contacts List Entry (for the handset entry only)



You can set a ringtone or the vibrator to a “Contacts list” entry in the handset memory.

- 1** At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2** Press  or  to highlight the name you wish to set and press .
The detail screen of the entry appears.
- 3** Press  [Options].
The “Options” menu appears.
- 4** Press  or  to highlight “Ringtone” and press .
- 5** Press  or  to highlight “On” and press .
If you wish to cancel the ringtone setting, select “Off” in this step.
- 6** Press  or  to highlight “Assign melody” and press .

- 8** Press  or  to highlight the ringtone you wish to set and press  [OK].
For more information on how to select a ringtone, refer to “Setting a Melody as the Ringtone” on page 15-129.
- 9** Press  or  to highlight “Vibration” and press .
- 10** Press  or  to highlight “Enable,” “Disable,” or “Link to Sound” and press .
For information on how to set the vibration, refer to “Setting the Vibration” on page 15-130.
- 11** When setting is complete, press  [OK].

Copying Entries Between Memories

You can copy entries between the handset and SIM card memories. This function is useful when you wish to backup entries or organise your memory space. Before copying, make sure of which memory’s entries are displayed on the display.

- 1** At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2** Press  or  to highlight the name which you wish to copy to another memory.

- 3** Press to display the detail screen and press or to highlight the phone number you wish to copy.
- 4** Press [Options].
The “Options” menu appears.
- 5** Press or to highlight “Copy to SIM” to copy the entry to the SIM card or “Copy to handset” to copy the entry to the handset memory and press .
- 6** Press [Yes].
The name and the phone number selected in step 2 are copied to another memory.
If you wish to cancel, press [No] in step 6.



Even if multiple phone numbers are registered to one name, you can copy only one phone number per name to the SIM card.





Copying All Entries from the SIM Card to the Handset Memory

You can copy all entries from the SIM card to the handset memory at once. This function is useful when you restore the handset memory with the backup copy in the SIM Card. When you insert the SIM card into your handset for the first time and start to use the “Contacts list” function, a confirmation screen appears automatically, asking you if you wish to copy or not.

- 1** At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2** Press [Options].
The “Options” menu appears.
- 3** Press or to highlight “Advanced” and press .
- 4** Press or to highlight “Copy all from SIM” and press .
- 5** Press [Yes].
If you wish to cancel, press [No] in this step.

Swapping the Location Number of the Phone Number (for SIM card entries only)









- 1** At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2** Press or to highlight the desired name and press .
- 3** Press or to highlight the desired phone number and press [Options].
The “Options” menu appears.

- 4 Press  or  to highlight "Swap" and press .
- 5 Enter the location number you wish to swap and press .

Deleting a Contacts List Entry



If you cannot find the desired name, follow the steps in "Searching a Name and Number in the Contacts List (on page 9-52)."









- 1 At the main menu, select in the following order: "Contacts" → "Contacts list."
- 2 Press  or  to highlight the name you wish to delete.
- 3 Press  [Options].
The "Options" menu appears.
- 4 Press  or  to highlight "Delete" and press .
- 5 Press  [Yes].
If you wish to cancel, press  [No] in this step.








Once you delete a "Contacts list" entry, it cannot be restored.

Deleting All Contacts List Entries

By the following steps you can delete all entries in the "Contacts list." Before deleting all "Contacts list" entries, ensure that you are accessing the memory you wish to delete. For information on how to select the memory for "Contacts list" entries, refer to "Selecting the Memory" on page 9-49.

- 1 At the main menu, select in the following order: "Contacts" → "Contacts list."
- 2 Press  [Options].
The "Options" menu appears.
- 3 Press  or  to highlight "Advanced" and press .
- 4 Press  or  to highlight "Delete all entries" and press .
- 5 Enter your handset code and press .

For information on the handset code, refer to "Enabling the Handset Lock" on page 15-148.

- 6 Press  or  to highlight "Handset entries" or "SIM entries" and press .
- 7 Press  [Yes].
If you wish to cancel, press  [No] in this step.














Once you delete all entries in the "Contacts list," they cannot be restored.


Setting the Groups

You can set group icons when saving the “Contacts list” entries so that you can easily find and edit them.

Viewing Groups

















- 1** At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2** Press  [Options].
The “Options” menu appears.
- 3** Press  or  to highlight “Group” and press .
- 4** Press  or  to highlight “View groups” and press .
- 5** Press  or  to highlight the group name you wish to view and press .
The check box indicates that the group has been selected.
To cancel the selected group, press  again. The checkbox becomes blank again.



In step 5, press  [Options] to display the “Options” menu and select “Select current only” to view only the selected group or “Select all” to view all groups.





Group Call










You can set different ringtones for each group. When you purchase this handset, groups are set to off. If you do not set a group ringtone, the ringtone assigned in the “Profiles” is used. For information on the “Profiles,” refer to “Setting the Profiles” on page 15-128.

- 1** At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2** Press  [Options].
The “Options” menu appears.
- 3** Press  or  to highlight “Group” and press .
- 4** Press  or  to highlight “Group call” and press .
- 5** Press  or  to highlight the group name you wish to set and press .
- 6** Press  or  to highlight “On” and press .
If you wish to cancel the ringtone setting, select “Off” in this step.
- 7** Press  or  to highlight “Assign melody” and press .

Checking the Memory Status

You can check the number of entries registered in the “Contacts list.”

- 1** At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2** Press  [Options].
The “Options” menu appears.
- 3** Press  or  to highlight “Memory status” and press .
You can check the memory status of the handset memory and SIM card.

- 9** Press  or  to highlight the ringtone you wish to set.
For more information on how to select a ringtone, refer to “Setting a Melody as the Ringtone” on page 15-129.
- 10** Press  or  to highlight “Vibration” and press .
- 11** Press  or  to highlight “Enable,” “Disable,” or “Link to Sound” and press .
For information on how to set the vibration, refer to “Setting the Vibration” on page 15-130.
- 12** When setting is complete, press  [OK].

Setting the Speed Dial List

You can set a maximum of 9 phone numbers in the “Speed dial list”.



For information on making a call by Speed dialling, refer to “Speed Dialling” on page 6-29.

Setting Contacts List entries in the Speed Dial List



If you cannot find the desired name, follow the steps in “Searching a Name and Number in the Contacts List (page 9-52).”

- 1 At the main menu, select in the following order: “Contacts” → “Contacts list.”
- 2 Press or to highlight the name you wish to add to the “Speed dial list” and press . The detail screen appears.
- 3 Press [Options]. The “Options” menu appears.
- 4 Press or to highlight “Add to Speed dial” and press .
- 5 Press or to highlight the number you wish to set and press .



The nine digit keys correspond to list numbers.

Viewing the Speed Dial List

- 1 At the main menu, select “Contacts.”
- 2 Press or to highlight “Speed dial list” and press . The “Speed dial list” appears.

Deleting the Speed Dial List

- 1 At the main menu, select “Contacts.”
- 2 Press or to highlight “Speed dial list” and press . The “Speed dial list” appears.
- 3 Press or to highlight the item you wish to delete and press [Options]. The “Options” menu appears.
- 4 Press or to highlight “Delete” and press .
- 5 Press . If you wish to cancel, press [No] in this step.

To re-assign another phone number to a “Speed Dial”






Select “Re-assign” in step 4 of “Deleting the Speed Dial List.”

To clear all the “Speed dial list” items

Select “Clear all” in step 4 of “Deleting the Speed Dial List.”

Checking Own Numbers

You can check your own voice, data and fax phone numbers.

- 1** At the main menu, select “Contacts.”
- 2** Press  or  to highlight “My numbers” and press .
- 3** Press  or  to highlight “Voice,” “Data,” or “Fax.”

The phone number you wish to check appears.



- “Voice,” “Data,” or “Fax” may not be displayed depending on the SIM card.
- If your number is not saved on your SIM card, you can enter it yourself. (Certain SIM cards do not support this function.)



—

Using the Message Service

Making Messages

This section explains various messaging functions that enable you to send video clips, pictures, and sounds as well.

SMS (Short Message Service): This service enables you to send text messages of up to 1024 characters to other GSM mobile users. You can send or receive the messages even if you are talking on the handset, and can also use text templates to help you compose messages.

MMS (Multimedia Messaging Service): Your handset is already enabled to deal with the Multimedia Messaging Service (MMS). You can send messages with graphical images, photographs, sounds, animations or video clips attached, and receive WAP alerts.





E-Mail: This function enables you to use E-mail messaging. This function enables you to directly access the E-mail messaging service for your PC internet provider. Before using the function, you have to make some settings with the handset. For information on how to set up your E-mail function, refer to “Settings for the Messages” on page 11-76.



- *When sending SMS, messages exceeding 160 characters are divided during the sending process. If the recipient uses a compatible handset, divided messages are recombined and delivered as one message. If sent to a non-compatible handset, messages are divided into 152 character lots and delivered separately.*
- *Some messaging functions may not be available, depending on the network service you use. If you experience any inconveniences using these services, contact your service provider for details.*

The following steps show you how to make and send messages.

- 1 Press .
The main menu appears.
- 2 Press , , or to highlight “Messages” and press .
The “Messages” menu appears.
- 3 Press or to highlight “SMS,” “MMS,” or “E-mail” and press .
The messaging menu appears.

- 4 Press  or  to highlight "Create message" and press .
- 5 Enter the phone number or E-mail address of the person you wish to send the message to and press .

If you are sending an SMS message:

you can only enter a phone number.


If you are sending an MMS message:

you can enter either a phone number or an E-mail address.

If you are sending an E-mail message:

you can only enter an E-mail address.



If you wish to select a phone number from the "Contacts list," search for the phone number. For information on how to search "Contact list" entries, refer to "Searching a Name and Number in the Contacts List" on page 9-52.

- 6 Enter your message.
For information on how to enter text, refer to "Entering Text" on page 8-45.
- 7 When you have finished writing the message, press .















You can check the message length at the top right side of the message screen to figure out how many more characters you can enter.








When sending an SMS message of more than 160 characters, a confirmation message appears. Press  [Yes] to send or  [No] to cancel.

Using the Text Templates

For information on how to create text templates, refer to "Making Text Templates" on page 11-78.

- 1 At the main menu, select in the following order: "Messages" → select "SMS," "MMS," or "E-mail" → "Create message."
Enter the phone number or E-mail address and press .
- 2 Press , , , or  to move the cursor to the point you wish to insert the text template, and press  [Options].
- 3 Press  or  to highlight "Text template" and press .
- 4 Press  or  to highlight the template you wish to enter from the list and press . Go back to step 6 of "Making Messages (page 11-65)."






Adding the Subject of the Message (for MMS and E-mail messaging only)

- 1 After entering a message, press .
- 2 Press  or  to highlight "Subject" and press .
- 3 Enter the subject of the message and press .




You can enter up to 40 characters as the subject. It may be limited depending on your network service. Contact your service provider if you have a problem sending mails.










Sending the Message

- 1 After you have entered the message and subject, press .
- 2 Press  or  to highlight "Send" and press . The handset starts to send the message. After sending the message, the message is listed in the "Sent" box.
If you wish to save the message to the "Drafts" box, select "Save to Drafts" instead of pressing .



In case the message cannot be sent for some reason, the message stays in the Outbox and  is displayed on the standby screen.

To add recipients





- 1 After entering a message, press .
- 2 Press  or  to highlight "Add contact" and press .
- 3 Press  or  to highlight "To," "Cc," or "Bcc" and press .
If you are sending SMS, you can select "To:" only.
If you are sending MMS, you cannot select "Bcc."
- 4 Enter the phone number or E-mail address of the additional recipient and press .
If you are sending MMS, you can select a phone number from the list.
- 5 When adding recipients is complete, press  [Back].



You can enter up to 60 characters for "To," "Cc," or "Bcc." It may be limited depending on your service provider. Contact your service provider if you have a problem sending mails.

To send a message using the message template (for MMS messaging only)

You can send message templates with an image and voice attachment.

- 1** At the main menu, select in the following order: "Messages" → "MMS" → "Message template."
- 2** Enter the phone number or E-mail address and press .
- 3** Press  or  to highlight a template you wish to send and press .

Setting the Slide Show On and Off (for MMS messaging only)

This function enables you to create messages that have up to 10 slides. Each slide can contain one picture, one sound file and up to 1000 characters of text (up to the message total of 100 kbytes).

The options available for the slide are:

Add: To add a new slide.







Remove: To remove the active slide.

Previous: To navigate to the previous slide.

Next: To navigate to the next slide.











- *EVA (e-Animation file) and video clip data cannot be attached as slide data to the message.*
- *If you select "Off," you can attach 20 pictures, sounds, or video clips up to 100 kbytes in total.*









- 1** At the main menu, select in the following order: "Messages" → "MMS" → "Settings." The "Settings" menu appears.
- 2** Press  or  to highlight "Slide show" and press .
- 3** Press  or  to highlight "On" or "Off" and press .

Attaching Data (for MMS messaging only)










You can send pictures, sounds, and video clips saved in “Attach pictures,” “Attach sounds,” or “Attach videos” by attaching them to MMS. When attaching video clips, “Slide show” must be set to “Off.”








- 1** At the main menu, select in the following order: “Messages” → “MMS” → “Create messages.” Enter the phone number or E-mail address and press .
- 2** Press  [Options]. The “Options” menu appears.
- 3** Press  or  to highlight “Attach picture,” “Attach sound,” or “Attach video” and press . The list of “My pictures,” “My sounds,” or “My videos” appears.
- 4** Press  or  to highlight the file you wish to attach and press . The selected picture, sound or video clip is attached.

To remove attached data

- 1** In step 4 of “Attaching Data (for MMS messaging only),” press  or  to highlight the file name you wish to remove and press  [Options]. The “Options” menu appears.
- 2** Press  or  to highlight “Remove” and press .
- 3** Press  [Yes].
If you wish to cancel, press  [No] in this step.

Sending a Message from the Draft Box

- 1** At the main menu, select in the following order: “Messages” → select “SMS,” “MMS,” or “E-mail.”
- 2** Press  or  to highlight “Drafts” and press .
- 3** Press  or  to highlight the message you wish to send in the Drafts box and press  [Options]. The “Options” menu appears.
- 4** Press  or  to highlight “Send” and press . If you wish to modify the message, operate the following procedure instead of step 4.

















- 5** Press  or  to highlight "Edit message" and press . When sending "SMS," select "Edit."
- 6** If necessary, modify the phone number or E-mail address of the recipient and press .
- 7** Press  or  to highlight "Send" and press . The handset starts sending the message.



You cannot modify a "Slide Show" message that is created on another handset.

Receiving E-mail Messages




When the handset is within the service area, SMS and MMS messages are received automatically. However, you need to perform the following steps to retrieve E-mail messages held at the service provider.























- 1** Press .
The main menu appears.
- 2** Press , , , or  to highlight "Messages" and press .
The "Messages" menu appears.
- 3** Press  or  to highlight "E-mail" and press .
The "E-mail" menu appears.
- 4** Press  or  to highlight "Inbox" and press .
"Check new E-mail?" appears. If you select "Yes," the messages are delivered.
To retrieve messages again, press  [Options] and press  or  to highlight "New E-mail check", and then press .

For information on reading messages, refer to "Reading Messages" on page 11-71.







Reading Messages

Depending on the type of the received message, the following indicator appears at the top of the standby screen.


SMS:  **MMS:**  **E-mail:** 

- 1 Press .
The main menu appears.
- 2 Press , ,  or  to highlight “Messages” and press .
The “Messages” menu appears.
- 3 Press ,  or  to highlight “SMS,” “MMS,” or “E-mail” and press .
Each messaging menu appears.
- 4 Press ,  or  to highlight “Inbox” and press .
MMS messages that are marked with a clip denote mails with attachments.
- 5 Press ,  or  to highlight the message you wish to read and press .
- 6 Press ,  or  to scroll through the message.
- 7 When you have finished reading the message, press .






To check sender/receiver information (for the MMS and E-mail messaging only)

- 1 At the main menu, select in the following order: “Messages” → select “MMS” or “E-mail” → “Inbox.”
- 2 Press  or  to highlight the message you wish to check and press  [Options].
The “Options” menu appears.
- 3 Press  or  to highlight “Details” and press .
The sender’s or receiver’s phone number or E-mail address, time and date stamp, subject, and size appear.



- When you receive SMS, the sender’s phone number and a part of the message appear. When the sender’s phone number is stored in the “Contacts list,” the sender’s name appears instead of the phone number.
- A message with a  icon indicates an unread message. If the “Inbox,” “Sent” box or “Drafts” box is full, red icons is displayed. Delete unwanted messages.





Replying to a Message


- 1** At the main menu, select in the following order: "Messages" → select "SMS," "MMS," or "E-mail" → "Inbox."
- 2** Press  [Options].
The "Options" menu appears.
- 3** Press  or  to highlight "Reply" and press .
- 4** Enter your message
For information on how to enter text, refer to "Entering Text" on page 8-45.
- 5** Press .



If you wish to reply to all addresses on an MMS or E-mail message, select "Reply All" in step 3.

Forwarding a Message

- 1** At the main menu, select in the following order: "Messages" → select "SMS," "MMS," or "E-mail" → "Inbox."
- 2** Press  [Options].
The "Options" menu appears.
- 3** Press  or  to highlight "Forward" and press .

- 4** Enter the phone number or E-mail address of the recipient and press .




If you wish to select the phone number (for SMS and MMS) or E-mail address (for MMS and E-mail) in the "Contacts list," refer to "Searching a Name and Number in the Contacts List" on page 9-52.



- *When you forward an MMS message, the attached data is also sent to the recipient. However, the handset will not send any data it recognises as having copyrights.*
- *The "Subject" field is automatically filled with the original subject preceded by "Fw: ." The original message cannot be changed.*

Modifying a Message

You can modify an original message you made before or after sending it. If the message you wish to modify is in the "Drafts," "Sent," or "Outbox," select the respective boxes in step 4.

- 1** At the main menu, select in the following order: "Messages" → select "SMS," "MMS," or "E-mail."
 - 2** Press  or  to highlight "Drafts," "Sent" or "Out box," and press .
- If you select "SMS" in step 1, you cannot select "Outbox" in this step.

- 3** Press or to highlight the message you wish to modify and press .
- 4** Press [Options].
The “Options” menu appears.
- 5** Press or to highlight “Edit message” (select “Edit” for SMS) and press .
- 6** Modify the message and press .

Saving the Phone Number or E-mail Address of a Sender

- 1** At the main menu, select in the following order: “Messages” → select “SMS,” “MMS,” or “E-mail” → “Inbox.”
 - 2** Press [Options].
The “Options” menu appears.
 - 3** Press or to highlight “Save to Contacts” and press .
- For information on how to enter a name and the other information, refer to “Saving Information to the Contacts List” on page 9-50.

Retrieving a Message (for MMS messaging only)










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

- 1** At the main menu, select in the following order: “Messages” → select “MMS.”
- 2** Press or to highlight “Inbox” and press .
- 3** Press or to highlight the alert you wish to download.
- 4** Press [Options].
The “Options” menu appears.
- 5** Press or to highlight “Download” and press .









You can press , instead of steps 4 and 5 to start downloading.

Resending a Message in the Outbox (for MMS and E-mail messaging only)




- 1** At the main menu, select in the following order: "Messages" → select "MMS" or "E-mail."
- 2** Press  or  to highlight "Outbox" and press .
- 3** Press  or  to highlight the message you wish to resend and press  [Options].
The "Options" menu appears.
- 4** Press  or  to highlight "Re-send" and press .

Confirmation of Delivery Report (for MMS messaging only)







- 1** At the main menu, select in the following order: "Messages" → "MMS."
- 2** Press  or  to highlight "Sent" and press .
- 3** Press  or  to highlight the message for which you wish to confirm the delivery report for and press  [Options].
The "Options" menu appears.

- 4** Press  or  to highlight "Delivery report" and press .
- This menu is available only for sent messages that have the "Delivery report" set "On." For information on the "Delivery Report," see "Settings for the Messages" on page 11-76.






Deleting Messages

- 1** At the main menu, select in the following order: "Messages" → select "SMS," "MMS," or "E-mail."
- 2** Press  or  to highlight "Inbox," "Drafts," "Sent," or "Outbox" and press .

If you select "SMS" in step 1, you cannot select "Outbox" in this step.

- 3** Press  or  to highlight the message you wish to delete and press  [Options].
The "Options" menu appears.
- 4** Press  or  to highlight "Delete" and press .

The confirmation screen appears.

- 5** Press  or  to highlight "One message" or "All messages" and press .
- 6** Press  [Yes].
The selected messages are deleted.
To cancel, press  [No] in this step.



Once you have deleted a message, they cannot be restored.



You cannot delete locked messages.

To lock messages (for MMS and E-mail messaging only)

- 1** At the main menu, select in the following order: "Messages" → select "MMS" or "E-mail."
- 2** Press or to highlight "Inbox" or "Sent" and press .
- 3** Press or to highlight the message you wish to lock or unlock and press [Options]. The "Options" menu appears.
- 4** Press or to highlight "Lock/Unlock" and press .

Calling the Sender (for SMS and MMS messaging only)












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

- 1** At the main menu, select in the following order: "Messages" → select "SMS" or "MMS."
- 2** Press [Options].
- 3** Press or to highlight "Inbox" and press [Options]. The "Options" menu appears.
- 4** Press or to highlight "Call sender" and press .

Extracting the Phone Number (for SMS messaging only)

You can call using phone numbers in the message.













- 1** At the main menu, select in the following order: "Messages" → "SMS."
- 2** Press or to highlight "Inbox," "Drafts", or "Sent" and press .
- 3** Press or to highlight the message that contains the phone number you wish to extract and press .

- 4** Press  [Options].
The "Options" menu appears.
- 5** Press  or  to highlight "Extract numbers" and press .
Phone numbers embedded in the message appear.
- 6** Press  [Options].
- 7** Press  or  to highlight "Call" and press .
The handset starts to call the number.
To save this phone number in the "Contacts list," press  or  to highlight "Save to Contacts" and press . For information on how to enter a name, refer to "Saving Information to the Contacts List" on page 9-50.




If you select "Extract URL" in step 5 above, you can extract the URL of a web site.

Settings for the Messages

- 1** Press .
The main menu appears.
- 2** Press , ,  or  to highlight "Messages" and press .
The "Messages" menu appears.
- 3** Press  or  to highlight "SMS," "MMS," or "E-mail" and press .
Each messaging menu appears.
- 4** Press  or  to highlight "Settings" and press .

To set for SMS messaging

After step 4 of "Setting for the Messages," set the following items.

When you finish making settings, press  [Back].

Message centre:

Enter the message centre number to enable the service.

Message lifetime:

Set the time span that the message service centre continually tries to send the message to the recipient you specified.

Message format:

Select a message format from the 7 choices.

Connection type:


Select a connection type.

Reply path:**Confirm delivery:****Optimisation:**

Converts double-byte characters (such as European characters with an accent) into single-byte characters before sending the messages. Please note that you may be charged double for sending double-byte character messages.

To set MMS messaging

After step 4 of “Setting for the Messages,” set the following items.

When you finish making settings, press  [Back].

Download message:

Select between “Immediate” and “Deferred” message download.

Roaming download:

Defers MMS download when roaming outside of your network.

Delivery rep. allow:

Enables “Delivery report” when receiving a message that applies to the “Delivery report” function.

Anonymous reject:

Rejects messages from an unknown or empty address name.

Auto delete:

Deletes the oldest message automatically, when the Sentbox is full.

Slide show:

Enables slide show when sending a message.

Advanced:










- Priority: prioritises composed messages.
- Delivery report: enables delivery report.
- Expiry time: sets the expiry time for messages stored in the server.
- Sender visibility: Displays the information about the sender.
- Slide interval: Sets the slide display time when sending a message.

To set for E-mail messaging

For information on the E-mail settings, refer to "Setting an Account" on page 15-153.





Making Text Templates

You can register up to 20 text templates for frequently used text on the handset.

- 1** Press .
The main menu appears.
- 2** Press , , , or  to highlight "Messages" and press .
- 3** Press  or  to highlight "Text templates" and press .
The list of the text templates appears.

Registering Phrases to the Text Template

120 characters may be registered in any text template.

- 1** At the main menu, select in the following order:
"Messages" → "Text templates."
- 2** Press  or  to highlight the item you wish to register and press .
- 3** Enter the text and press .
For information on how to enter text, refer to "Entering Text" on page 8-45.

Editing Text Templates

- 1 At the main menu, select in the following order: “Messages” → “Text templates.”
The list of the text templates appears.
 - 2 Press or to highlight the item you wish to edit and press .
 - 3 Edit the text template and press .
- For more information on how to enter text, refer to “Entering Text” on page 8-45.

Viewing Text Templates

- 1 At the main menu, select in the following order: “Messages” → “Text templates.”
 - 2 Press or to highlight the item you wish to view and press [Options].
The “Options” menu appears.
 - 3 Press or to highlight “View” and press .
- The selected text template is displayed.
When you have finished confirmation, press [Back].



You cannot edit the text template in step 3.

Deleting Text Templates

- 1 At the main menu, select in the following order: “Messages” → “Text templates.”
- 2 Press or to highlight the item you wish to delete and press [Options].
The “Options” menu appears.
- 3 Press or to highlight “Delete” and press .
- 4 Press [Yes].
The selected text template is deleted.
If you wish to cancel deletion, press [No] in this step.



Once you delete the text template, it cannot be restored.

Using Voice Mail

You can use the voice mail service according to the service provider you use. For information on the voice mail service, contact your service provider.

Calling Voice Mail

- 1 Press .
The main menu appears.
- 2 Press , , or to highlight “Messages” and press .
The “Messages” menu appears.
- 3 Press or to highlight “Voice mail” and press .
The “Voice mail” menu appears.
- 4 Press or to highlight “Call Voice mail” and press .

Setting Voice Mail





- 1 At the main menu, select in the following order: “Messages” → “Voice mail.”
- 2 Press or to highlight “Voice mail settings” and press .
- 3 Press or to highlight “Home mailbox” or “Roam mailbox” and press .

Setting Cell Broadcasts

This setting enables you to receive the cell broadcast messages such as weather forecasts, and traffic reports, etc. If you are in a certain network area, your handset receives the broadcast information for your subscription. Reception may not be available with some mobile networks. Contact your service provider for details.














- 1 Press .
The main menu appears.
- 2 Press , , or to highlight “Messages” and press .
The “Messages” menu appears.
- 3 Press or to highlight “Cell Broadcasts” and press .
The “Cell Broadcasts” menu appears.
- 4 Press or to highlight “On/Off,” and press .
- 5 Press or to highlight “On” to set the cell broadcasts on or “Off” to set it off and press .

Reading Cell Broadcast Messages

- 1 When you receive a cell broadcast message, press .
A popup is displayed over the standby screen.
- 2 Press  or  to scroll through the message.
- 3 When you finish reading, press .

Subscribing to Cell Broadcasts

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












- 1 At the main menu, select the following order: “Messages” → “Cell Broadcasts.”
 - 2 Press  or  to highlight “Settings” and press .
 - 3 Press  or  to highlight “Set info subjects” and press .
 - 4 Press  or  to highlight “Add/Remove” and press .
 - 5 Press  or  to highlight the page you wish to view and press .
- If you have finished viewing, press  [Back].



- You can set a maximum of four subjects for subscription in step 5.
- When you cannot find the page you wish to view in the list that appears in step 4, select “Create subject” in step 4, and enter the subject code to add a page. For details on the subject code, contact your service provider.

Setting Languages

You can select and change the language for the broadcast message display.

- 1 At the main menu, select the following order: “Messages” → “Cell Broadcasts.”
 - 2 Press  or  to highlight “Settings” and press .
 - 3 Press  or  to highlight “Language” and press .
 - 4 Press .
The language list appears.
 - 5 Press  or  to highlight the language you wish to set and press .
- Press  [Back] to exit.













Setting Cell Info

Cell info is the message information that operators send to subscribers in certain areas. When you receive cell info, the message (area code) is displayed on the standby screen.



This function may not be available on all phone networks. Contact your service provider for more information.













Enabling/Disabling Cell Info

- 1** Press .
The main menu appears.
- 2** Press , ,  or  to highlight “Messages” and press .
The “Messages” menu appears.
- 3** Press ,  highlight “Cell Info” and press .
The “Cell Info” menu appears.
- 4** Press ,  to highlight “On” or “Off” and press .





If cell info is set to “On,” the standby time will decrease because of increase in the battery usage.








Downloading Pictures

- 1** Press .
The main menu appears.
- 2** Press , , , or  to highlight “Downloads” and press .
- 3** Press  or  to highlight “Pictures” and press .
The “Pictures” menu appears.
- 4** Press  or  to highlight “More pictures” and press .
The download channel for the picture gallery appears.







To download wallpapers for the handset

Press  or  to highlight “More wallpapers” instead of “More pictures” in step 4 above. The download channel for wallpapers appears.


The picture formats available on the handset are:

-  : Images in PNG format
-  : Images in JPEG format
-  : e-Animation file (NEVA)
-  : Images in GIF format
-  : Images in BMP format
-  : Images in WBMP format
-  : Images in WPNG format





Viewing Pictures

- 1 At the main menu, select in the following order: “Downloads” → “Pictures” → “My pictures.” The thumbnail index of “My pictures” appears.
- 2 Press , , , or  to select an image in the thumbnail index you wish to view and press . The selected picture is displayed. When you have finished viewing the picture, press  [Back].

To zoom in to the picture

After displaying the picture in step 2 above, if the picture is small (120 × 160 dots), press  to enlarge the picture.









To scroll the picture

After displaying the picture in step 2 above, press , , , or  to scroll the picture.





Some pictures cannot be scrolled depending on the picture size.

Setting the stored image as wallpaper

- 1 At the main menu, select in the following order: “Downloads” → “Pictures” → “My pictures.” The thumbnail index of “My pictures” appears.
- 2 Press , , , or  to select an image in the thumbnail index you wish to view and press  [Options]. The “Options” menu appears.
- 3 Press  or  to highlight “Wallpaper” and press . The selected picture appears as the wallpaper.


















If you wish to view the full size image of the picture before setting it as the wallpaper, press  to display the image in step 2 above before pressing  [Options]. Then select “Wallpaper” in the “Options” menu.

Editing Pictures



You can edit pictures by retouching, adding frames or stamps, or rotating. Also, you can adjust the size of the picture or rename the picture file.

To retouch pictures

- 1 At the main menu, select in the following order: "Downloads" → "Pictures" → "My pictures."
The thumbnail index of "My pictures" appears.
- 2 Press , , , or  to select an image in the thumbnail index you wish to retouch and press .
- 3 Press  [Options].
The "Options" menu appears.
- 4 Press  or  to highlight "Edit pictures" and press .
- 5 Press  or  to highlight "Retouch" and press .
- 6 Press  or  to highlight one of the options below and press .

The "Retouch" options:

Sepia, Sparkling, Ripples, Tile, Emboss, Oil painting, Clear frame, Round frame, Soft frame, Zigzag frame

- 7 The selected option is confirmed on the display.
Press  to apply.
If you wish to cancel, press  [Cancel].






















Once you retouch a picture, it cannot be restored.



Only pictures in JPEG format between 52 × 52 pixels and 320 × 240 pixels (or 240 × 320) can be retouched.

To add a frame to pictures

- 1 At the main menu, select in the following order: "Downloads" → "Pictures" → "My pictures."
The thumbnail index of "My pictures" appears.
- 2 Press , , , or  to select an image in the thumbnail index you wish to add a frame to and press .
- 3 Press  [Options].
The "Options" menu appears.
- 4 Press  or  to highlight "Edit picture" and press .
- 5 Press  or  to highlight "Add frame" and press .

- 6** Press , , , or  to select a frame and press .
- 7** The selected option is confirmed on the display. Press  to apply.
If you wish to cancel, press  [Cancel].

























Once you add a frame to a picture, the picture cannot be restored.



Only pictures in JPEG format between 52 × 52 pixels and 320 × 240 pixels (or 240 × 320) can be retouched.

To add stamps to pictures

- 1** At the main menu, select in the following order: “Downloads” → “Pictures” → “My pictures.”
The thumbnail index of “My pictures” appears.
- 2** Press , , , or  to select an image in the thumbnail index you wish to add stamps to and press .
- 3** Press  [Options].
The “Options” menu appears.
- 4** Press  or  to highlight “Edit picture” and press .

- 5** Press  or  to highlight “Add stamps” and press .
- 6** Press  or  to select a stamp and press .
- 7** Press , , , or  to move the cursor to the point you wish to add the stamp and press .
- To add more stamps, press  [Options] and select “Other Stamps,” and then repeat steps 6 and 7.
- 8** To finish stamping, press  [Options] and select “Save”.

















Once you add stamps to a picture, it cannot be restored.



Only pictures in JPEG format between 52 × 52 pixels and 320 × 240 pixels (or 240 × 320) can be retouched.

To rotate pictures






- 1** At the main menu, select in the following order: “Downloads” → “Pictures” → “My pictures.”
The thumbnail index of “My pictures” appears.
- 2** Press , , , or  to select an image in the thumbnail index you wish to rotate and press .
- The selected picture is displayed.





- 3 Press  [Options].
The “Options” menu appears.
- 4 Press  or  to highlight “Edit picture” and press .
- 5 Press  or  to highlight “Rotate” and press .
- 6 Press  once to rotate the picture 90° anticlockwise.
- 7 Press  [Save].





Only pictures in JPEG format between 52 × 52 pixels and 320 × 240 pixels (or 240 × 320) can be retouched.

To change the name of the picture

- 1 At the main menu, select in the following order: “Downloads” → “Pictures” → “My pictures.”
The thumbnail index of “My pictures” appears.
- 2 Press , , , or  to select an image in the thumbnail index you wish to change the name of and press  [Options].
The “Options” menu appears.

- 3 Press  or  to highlight “Rename” and press .
- The text entry screen appears. For more information on how to enter text, refer to “Entering Text” on page 8-45.
- 4 When you have finished renaming, press  to save.











If you wish to view the full picture before renaming it, press  to display the image in step 2 before pressing  [Options]. Then select “Rename” in the “Options” menu.






*The following characters cannot be used for the file name: /, \, :, *, ?, ", <, >, | and . (full-stop).*

Saving Pictures to the Contacts List




You can add pictures to the “Contacts list.”

- 1** At the main menu, select in the following order: “Downloads” → “Pictures” → “My pictures.” The thumbnail index of “My pictures” appears.
- 2** Press , , , or  to select an image in the thumbnail index you wish to add to the “Contacts list” and press  [Options]. The “Options” menu appears.
- 3** Press , or  to highlight “Save to Contacts” and press .
2 options appear. Select “Existing entry” or “New entry” according to your purpose.









To save the picture to the existing entry

- 4** After step 3 of “Saving Pictures to Contacts List,” press , or  to highlight “Existing entry” and press .



To save the picture in creating a new entry

- 4** After step 3 of “Saving Pictures to Contacts List,” press , or  to highlight “New Entry” and press .










Sending Pictures as Attachments

- 1** At the main menu, select in the following order: “Downloads” → “Pictures” → “My pictures.” The thumbnail index of “My pictures” appears.
- 2** Press , , , or  to select an image in the thumbnail index you wish to send with a message and press  [Options]. The “Options” menu appears.
- 3** Press , or  to highlight “Send via MMS” and press .
For information on how to make messages, refer to “Using the Message Service” on page 11-65.
















If you wish to view the full picture before sending it, press  to display the image in step 2 before pressing  [Options]. Then select “Send via MMS” in the “Options” menu.

Checking the Picture Information

- 1** At the main menu, select in the following order:
“Downloads” → “Pictures” → “My pictures.”
The thumbnail index of “My pictures” appears.
- 2** Press , , , or  to select an image in the thumbnail index whose detail you wish to check and press .
The selected picture is displayed.
- 3** Press  [Options].
The “Options” menu appears.
- 4** Press , or  to highlight “Picture details” and press .



Deleting Pictures

- 1 At the main menu, select in the following order: “Downloads” → “Pictures” → “My pictures.” The thumbnail index of “My pictures” appears.
- 2 Press , , , or  to select an image in the thumbnail index you wish to delete and press  [Options]. The “Options” menu appears.
- 3 Press , or  to highlight “Delete” and press .
- 4 Press , or  to highlight “One picture” or “All pictures” and press .
- 5 Press  [Yes]. If you wish to cancel deletion, press  [No] in this step.



Once you delete a picture, it cannot be restored.



If you wish to view the full picture before deleting it, press  to display the image in step 2 before pressing  [Options] and then select “Delete” in the “Options” menu.

Using Sounds

In the “Sounds” function mode, you can download “Sounds,” “Ringtones,” and “Melodies.” You can also create original ringtones and edit them.

The sound formats available on the handset are:



Sound files in SMAF format



Original Ringtones (composed in Melody Editor)



Sound files in MIDI format



Sound files in i Melody format



Sound files in WAVE format















Sound files in AMR format





SMAF (Synthetic music Mobile Application Format) is a music data format for handsets.

Downloading Sound

- 1 Press .
The main menu appears.
- 2 Press , , , or  to highlight "Downloads" and press .
- 3 Press , or  to highlight "Sounds" and press .
The "Sounds" menu appears.
- 4 Press , or  to highlight "More sounds" and press .
The download channel for sounds appears.





To download ringtones

Press , or  to highlight "More ringtones" instead of "More sounds" in step 4 above.


Playing Back Sounds or Original Ringtones






When "My sounds" is empty, you cannot select "My sounds."




- 1 At the main menu, select in the following order: "Downloads" → "Sounds" → "My sounds."
The list of "My sounds" appears.
- 2 Press , or  to highlight an item you wish to playback and press .
Playback of the selected sound file starts.
When you wish to stop playback, press .



You can playback or stop the sound file in the "Options" menu by pressing  [Options] in step 2.

Sending Sounds or Original Ringtones as Attachments

- 1 At the main menu, select in the following order: "Downloads" → "Sounds" → "My sounds."
The list of "My sounds" appears.
- 2 Press , or  to highlight the file you wish to send as an attachment and press  [Options].
The "Options" menu appears.







- 3** Press  or  to highlight “Send via MMS” and press .

For information on how to make messages, refer to “Using the Message Service” on page 11-65.



- *Sounds with a red icon cannot be sent as an attachment.*
- *When “My sounds” is empty, you cannot select “My sounds.”*








Checking the Sound or Original Ringtone Information

- 1** At the main menu, select in the following order: “Downloads” → “Sounds” → “My sounds.” The list of “My sounds” appears.
- 2** Press  or  to highlight a file whose details you wish to check and press  [Options]. The “Options” menu appears.
- 3** Press  or  to highlight “Sound details” and press .



When “My sounds” is empty, you cannot select “My sounds.”

Changing the Name of Sound Files

- 1** At the main menu, select in the following order: “Downloads” → “Sounds” → “My sounds.” The list of “My sounds” appears.
- 2** Press  or  to highlight a file whose name you wish to change and press  [Options]. The “Options” menu appears.
- 3** Press  or  to highlight “Rename” and press .
- The text entry screen appears. For information on how to enter text, refer to “Entering Text” on page 8-45.
- 4** When you have finished renaming, press  to save.














Even after changing the name of a sound file in step 4, you can recover the old name manually.



- *The following characters cannot be used for a file name: /, \, ., *, ?, ", <, >, | and . (full-stop).*
- *When “My sounds” is empty, you cannot select “My sounds.”*

Deleting Sounds

- 1** At the main menu, select in the following order: “Downloads” → “Sounds” → “My sounds.” The list of “My sounds” appears.
- 2** Press  or  to highlight an item you wish to delete and press  [Options]. The “Options” menu appears.
- 3** Press  or  to highlight “Delete” and press .
- 4** Press  or  to highlight “One sound” or “All sounds” and press .
- 5** Press  [Yes].
If you wish to cancel, press  [No] in this step.



Once you delete a sound file, it cannot be restored.



- *You can also delete original ringtones with the same steps above.*
- *When “My sounds” is empty, you cannot select “My sounds.”*





Using Melody Editor

You can create original ringtones by using “Melody Editor”. You can also send melodies by attaching them to MMS.

Your original ringtone is registered in “My sounds.”

To create an original ringtone

Enter the name of the melody.

- 1** At the main menu, select in the following order: “Downloads” → “Sounds” → “Melody Editor.”
 - 2** Press  or  to highlight “Create new” and press .
 - 3** Enter the title of your original ringtone and press .
- You can enter up to 24 characters as the title. For information on how to enter text, refer to “Entering Text” on page 8-45.

Setting tempo and the type of chords

- 4** Press or to highlight one of the tempos below and press .

The tempos:

"Allegro (Fast)"	150
"Moderato (Normal)"	125
"Andante (Slow)"	107
"Adagio (Very Slow)"	94

Tempo is defined by the number of crochet beats () played per minute (bpm).

- 5** Press or to highlight "8 chords," "16 chords," or "32 chords" and press .
- The "Score Input" screen appears.

Input melody

- 6** Press the digit key to specify the pitch of the musical note or rest.
- For more information, refer to "To input a melody" on page 12-95.
- 7** Press or to specify the length of the musical note or rest.
- For more information, refer to "To input a melody" on page 12-95.
- 8** Press after inputting one note.
- Input the next note after the cursor moves to the right.

- 9** Repeat steps 6 to 8 to complete the melody.
- When you press during input, the melody that you have entered is played back.
- Press [Options] and select "Play before Cursor" while entering notes, to playback the melody displayed on the screen up to the cursor position.
- Press [Options] and select "Select Chord", to select another chord. Repeat steps 6 to 8 to input notes for the new chord.

Save the ringtone

- 10** When you finish inputting, press [Options].
- The "Options" menu appears.
- 11** Press or to highlight "Save" and press .
- 12** Press or to highlight "Save to My sounds" and press .



You can copy, cut, and paste notes by using the "Options" menu in the "Score Input" screen.



If the capacity or memory in "My sounds" becomes insufficient, the message "Maximum capacity: 250 Not registered." or "Not registered. Memory full." is displayed. The display returns to the screen of step 12. Try again after deleting unnecessary items.

To input a melody

Specifying the pitch of the musical note

You can specify the pitch of a musical note and rest by pressing the keys shown below.

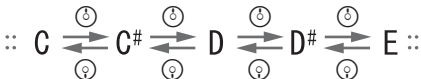
C (Do)	D (Re)	E (Mi)	F (Fa)	G (Sol)	A (La)	B (Si)	Rest
1	2	3	4	5	6	7	0

Pressing the key above once, specifies a crotchet () in middle scale (no mark).

Pressing the same key repeatedly, shifts the note through the available octave range (or added corresponding to octave range)



Pressing or while a note is selected, causes the note to move a semitone higher or lower.



Pressing () enters a Crochet rest ().

Specifying the length of notes and rests

You can specify the length of each musical note and rest by pressing or repeatedly. Pressing , changes the length of notes and rests in reverse to pressing .

Crotchet (Crotchet rest)



Quaver (Quaver rest)



Seminquaver (Seminquaver rest)



Semibreve (Semibreve rest)



Minim (Minim rest)



If you wish to specify a dotted note or a triplet, press after selecting the target note.





- You cannot make a dotted semi quaver (dotted semi quaver rest) or a dotted semi breve (dotted semi breve rest).
- Three continuous notes are required for a triplet.

Specifying a tie

To specify a tie, press **[8 tie]** after selecting the target notes.

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

To enter the next note, press **[>]** and move the cursor to the right, then repeat the operation to input the melody.

If the cursor is positioned next to a note, you can repeat the note immediately left of the cursor by pressing **[<]** or **[<+]**.





Sample steps to input melody

To get used to inputting melodies, input the simple melody shown below.












- 1 At the main menu, select in the following order: “Downloads” → “Sounds” → “Melody Editor.” → “Create new.”

- 2 Enter the title of your original ringtones and press **[O]**.
- 3 Select the tempo and the type of chords. The “Score Input” screen appears. For information on selecting the tempos and the type of chords, refer to “Setting tempo and the type of chords” on page 12-94.
- 4 Press **[1 C]** to input “C.” The “C” note sounds and the “C” crotchet appears in the “Score Input” screen.
- 5 Press **[<]** to move the cursor.
- 6 Press **[6 G]** to input “G”.
- 7 While selecting “G” crotchet, press **[*+>]** to change the length of the note. “G” crotchet changes to “G” quaver.
- 8 Press **[<]** to move the cursor.
- 9 Press **[0 _]** to input a crotchet rest and press **[*+>]** to change the crotchet rest to a quaver rest. A quaver rest appears next to the “G” note in the “Score Input” screen.

- 10** Press  to move the cursor.
- 11** Press  to input an “E” note and press  to move the note one semitone lower.
- 12** Press  to play back the melody now input.







To edit the existing melody

- 1** At the main menu, select in the following order: “Downloads” → “Sounds” → “Melody editor.”
- 2** Press  or  to highlight “Existing melodies” and press .
The list of “Existing melodies” appears.
- 3** Press  or  to highlight the melody you wish to edit and press  [Options].
The “Options” menu appears.
- 4** Press  or  to highlight “Edit data” and press .
The title entry (edit) screen appears.
After this step, follow the steps from step 6 of “To create an original ringtone” on page 12-93.













You can also start editing the existing melody from “My sounds” by following the steps below.


- 1** At the main menu, select in the following order: “Downloads” → “Sounds” → “My sounds.”

- 2** Press  or  to highlight the item you wish to edit and press  [Options].
The “Options” menu appears.
- 3** Press  or  to highlight “Edit data” and press .
Only a user created melody can be selected in this step.

To set the tone of each chord










- 1** In the “Score Input” screen press  [Options].
(refer to “To create an original ringtone” on page 12-93.)
The “Options” menu appears.
- 2** Press  or  to highlight “Set tone” and press .
The “Set tone” screen appears.
- 3** Press  or  to highlight a category of tones.
- 4** Press  or  to highlight a tone.
For more information on tones, refer to the table on page 12-98.
The selected tone is applied to the selected chord.
Press  [Options] in this step and select “Play Current Chord,” to play back the melody input in the selected tone.

Press  [Options] in this step and select “Confirm Tones” to play back the syllable names (1 octave from C) in the selected tone.

- 5** Press  to set the tone and go back to the “Score Input” screen.



You can also reach the “Set tone” screen for the existing melodies from “My sounds” by following the steps below.










- 1** At the main menu, select in the following order: “Downloads” → “Sounds” → “My sounds.”
- 2** Press  or  to highlight the item whose tone you wish to set and press  [Options]. The “Options” menu appears. Only a user created melody can be selected in this step.
- 3** Press  or  to highlight “Set tone” and press .
- 4** Press  or  to highlight the chord whose tone you wish to set and press . The “Set tone” screen appears.

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
	Harpsichord		Tubular Bells
	Clavi		Dulcimer
Organs	Drawbar Organ	Guitars	Nylon Guitar
	Percussive Organ		Steel Guitar
	Rock Organ		Jazz Guitar
	Church Organ		Clean Guitar
	Reed Organ		Muted Guitar
	Accordion		Overdriven-Guitar
	Harmonica		Distortion Guitar
	Tango Accordion		Guitar Harmonics
Basses	Acoustic Bass	Strings 1	Violin
	Finger Bass		Viola
	Pick Bass		Cello
	Fretless Bass		Contrabass
	Slap Bass 1		Tremolo Strings
	Slap Bass 2		Pizzicato Strings
	Synth Bass 1		Harp
	Synth Bass 2		Timpani

Category	Tone	Category	Tone
Strings 2	String Ensemble 1	Brasses	Trumpet
	String Ensemble 2		Trombone
	Synth Strings 1		Tuba
	Synth Strings 2		Muted Trumpet
	Choir Aahs		French Horn
	Voice Oohs		Brass Section
	Synth Voice		Synth Brass 1
	Orchestra Hit		Synth Brass 2
Reeds	Soprano Sax	Flutes/ Pipes	Piccolo
	Alto Sax		Flute
	Tenor Sax		Recorder
	Baritone Sax		Pan Flute
	Oboe		Blown Bottle
	English Horn		Shakuhachi
	Bassoon		Whistle
	Clarinet		Ocarina
Synth Leads	Square Lead	Synth Pads	New Age Pad
	Sawtooth Lead		Warm Pad
	Calliope Lead		Polysynth Pad
	Chiff Lead		Choir Pad
	Charang Lead		Bowed Pad
	Voice Lead		Metallic Pad
	Fifth Lead		Halo Pad
	Bass & Lead		Sweep Pad







Category	Tone	Category	Tone
Synth Effects	Rain	Ethnics	Sitar
	Soundtrack		Banjo
	Crystal		Shamisen
	Atmosphere		Koto
	Brightness		Kalimba
	Goblins		Bagpipe
	Echoes		Fiddle
	Science Fiction		Shanai
Percussions	Tinkle Bell	Effects	Gtr. Fret Noise
	Agogo		Breath Noise
	Steel Drums		Seashore
	Woodblock		Bird Tweet
	Taiko Drums		Telephone Ring
	Melodic Tom		Helicopter
	Synth Drum		Applause
	Reverse Cymbal		Gunshot

To set the strength of each chord







- 1 In the "Score Input" screen, press  [Options] (refer to "To create an original ringtone" on page 12-93.)
The "Options" menu appears.
 - 2 Press  or  to highlight "Set strength" and press .
 - 3 Press  or  to highlight "Loud," "Medium," or "Soft" and press .
- By pressing  [Play] in this step before pressing , you can check the strength of the selected chord.



You can also reach the "Set strength" screen for existing melodies from "My sounds" by following the steps below.

- 1 At the main menu, select in the following order: "Downloads" → "Sounds" → "My sounds."
- 2 Press  or  to highlight "My sounds" and press .
- 3 Press  or  to highlight the item whose strength you wish to set and press  [Options].
The "Options" menu appears.

Only a user created melody can be selected in this step.

- 4 Press  or  to highlight "Set strength" and press .
 - 5 Press  or  to highlight the chord whose strength you wish to set and press .
- The "Set strength" screen appears.

Using Games or Applications












You can use various kinds of games and applications with the handset. To use games and applications, download these via the Internet. Some games and applications offer the ability to connect to a network either within a game or through a network based application.






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

Downloading Games or Applications





Before downloading the game or application, you are asked to confirm what you are about to receive. After checking the information on the confirmation screen, the game or application can be downloaded. User authentication may be required on some information screens.

- 1** Press .
The main menu appears.
- 2** Press , , , or  to highlight "Downloads" and press .
- 3** Press  or  to highlight "Games & more" and press .
The "Games & more" menu appears.
- 4** Press  or  to highlight "More games" for downloading games or "More apps" for downloading applications.
The download channel to games or applications appears.





Starting a Game or an Application

- 1** At the main menu, select in the following order: "Downloads" → "Games & more" → "My games & more."
The list of "My games & more" appears.
The games and the applications downloaded in the handset are listed in chronological order.
- 2** Press  or  to highlight a game or application you wish to start.
- 3** Press .
The selected game or application starts.
If you run network based games or applications, you can select a network connection to the network.







To end the game or application

- 1** While you are running the application, press .
- 2** Press  or  to highlight "End" and press .

To suspend the game or application

- 1** While you are running the application, press .
- 2** Press  or  to highlight "Suspend" and press .









Viewing the Game or Application information

- 1 At the main menu, select in the following order: “Downloads” → “Games & more” → “My games & more.”
The list of “My games & more” appears.
- 2 Press  or  to highlight a game or application whose information you wish to view and press  [Options].
The “Options” menu appears.
- 3 Press  or  to highlight “Application details” and press .
The detailed information screen appears.



- If you set a SAT-compatible SIM card on your handset, the information on the SIM card appears in the “SIM Application” menu. For information on the SIM card, contact your service provider.
- If you set a non SAT-compatible SIM card, the “SIM Application” does not appear (in the upper left side of the main menu), and “Profiles” appears instead. For information on “Profiles” settings, refer to “Setting the Profiles” on page 15-128.

Deleting the Game or Application

- 1 At the main menu, select in the following order: “Downloads” → “Games & more” → “My games & more.”
The list of “My games & more” appears.
- 2 Press  or  to highlight a game or application you wish to delete and press  [Options].
The “Options” menu appears.
- 3 Press  or  to highlight “Delete” and press .
- 4 Press  [Yes].
The selected game or application is deleted.
If you wish to cancel, press  [No] in this step.















You cannot delete preloaded applications.



Once you delete a game or application, it cannot be restored.







Downloading Video Clips

- 1** Press .
The main menu appears.
- 2** Press , , , or  to highlight "Downloads" and press .
- 3** Press , or  to highlight "Videos" and press .
The "Videos" menu appears.
- 4** Press , or  to highlight "More videos" and press .
The download channel for videos appears.










Playing Back Videos



When "My videos" is empty, you cannot select "My videos."

- 1** At the main menu, select in the following order: "Downloads" → "Videos" → "My videos."
The thumbnail index of "My videos" appears.
- 2** Press , , , or  to select the image of the video clip in the thumbnail index you wish to play back and press .
The selected video clip is displayed.
When you have finished playback, press  [Back].

Changing the name of the video

- 1 At the main menu, select in the following order: “Downloads” → “Videos” → “My videos.” The thumbnail index of “My videos” appears.
- 2 Press , , , or  to select the image of the video clip in the thumbnail index you wish to change the name of and press  [Options]. The “Options” menu appears.
- 3 Press  or  to highlight “Rename” and press .
The text entry screen appears. For information on how to enter text, refer to “Entering Text” on page 8-45.
- 4 After renaming, press  to save.











Even after you change the name of the video clip in step 3, you can restore the old name manually.



- The following characters cannot be used for a file name: /, \, ., *, ?, ", <, >, | and . (full-stop).
- When “My videos” is empty, you cannot select “My videos.”

Sending Videos as Attachments

- 1 At the main menu, select in the following order: “Downloads” → “Videos” → “My videos.” The thumbnail index of “My videos” appears.
- 2 Press , , , or  to select the image of the video clip in the thumbnail index you wish to send with a message and press  [Options]. The “Options” menu appears.
- 3 Press  or  to highlight “Send via MMS” and press .
For more information on creating messages, refer to “Using the Message Service” on page 11-65.



Pictures with a red icon cannot be sent attached to messages.



When “My videos” is empty, you cannot select “My videos.”

Checking Video Informations

- 1 At the main menu, select in the following order: “Downloads” → “Videos” → “My videos.”
The thumbnail index of “My videos” appears.
- 2 Press , , , or to select the image of the video clip in the thumbnail index you wish to check the details of and press [Options].
The “Options” menu appears.
- 3 Press or to highlight “Video details” and press .



When “My videos” is empty, you cannot select “My videos.”

Deleting Videos

- 1 At the main menu, select in the following order: “Downloads” → “Videos” → “My videos.”
The thumbnail index of “My videos” appears.
- 2 Press , , , or to select the thumbnail image of the video clip you wish to delete and press [Options].
The “Options” menu appears.
- 3 Press or to highlight “Delete” and press .
- 4 Press or to highlight “One video clip” or “All video clips.”
- 5 Press [Yes].
If you wish to cancel, press [No] in this step.












Once you delete a video file, it cannot be restored.



When “My videos” is empty, you cannot select “My videos.”

Memory Status

This function helps you to check the memory status of “Downloads”.










- 1** Press .
The main menu appears.
- 2** Press , , , or  to highlight “Downloads” and press .
- 3** Press  or  to highlight “Memory status” and press .
The memory status is indicated by using the bar chart. Each category such as Pictures, Sounds, Games & more, and Videos are allocated different colours.

Using the Personal Organiser


This section provides the information on the organiser that helps you organise and manage your busy schedule and raise your productivity. It contains such functions as a calendar scheduler, alarm, and some useful applications such as calculator and voice memo.

Using the Calendar

The Calendar helps you organise and manage your schedules on a daily basis. The calendar can display dates from January 2000 to December 2099.











- 1** Press .
The main menu appears.
- 2** Press , , , or  to highlight "Organiser" and press .
- 3** Press , or  to highlight "Calendar" and press .
The current month is displayed and the current date is highlighted.



You can activate the calendar by pressing  while in standby mode (This key assignment can be changed by the user.)

Entering Schedules

You can navigate the calendar by using the navigation key and you can enter up to 3 schedules each day.






- 1** At the main menu, select in the following order: "Organiser" → "Calendar."
- 2** Press , , , or  to highlight the day you wish to write a schedule for and press .
- 3** Press , or  to highlight a "Note" and press .
- 4** Enter your schedule details and press .
Up to 3 schedules or 40 characters can be stored in each "Note." For information on how to enter text, refer to "Entering Text" on page 8-45.
- 5** If you have finished entering text, press .
The screen returns to the calendar. Schedule dates are underlined.



- *Schedule titles you have entered appear below the calendar when you highlight the day.*
- *If you wish to edit the schedules you have entered, highlight the day again in step 2 above and follow the steps.*








Finding a Particular Date




To enter or check schedules on a particular day, jump to that day by entering the date on the calendar.

- 1 At the main menu, select in the following order: "Organiser" → "Calendar."
- 2 Press  [Options].
The "Options" menu appears.
- 3 Press  or  to highlight "Go to date" and press .
- 4 Enter the date you wish to display and press .
The specified date is highlighted.

Changing the Weekly Format

You can change the weekly format of the Calendar.

- 1 At the main menu, select in the following order: "Organiser" → "Calendar."
- 2 Press  [Options].
The "Options" menu appears.
- 3 Press  or  to highlight "Setting" and press .
- 4 Press  or  to highlight "Weekly format" and press .

- 5 Press  or  to highlight "Monday-Sunday" or "Sunday-Saturday" and press .

















Monday-Sunday: Weekly format from Monday.

Sunday-Saturday: Weekly format from Sunday.

Deleting Schedules

You can select 3 ways to make deletions in the calendar: deleting schedules one by one, deleting all schedules in a day, or deleting all schedules in the calendar.

To delete schedules one by one

- 1 At the main menu, select in the following order: "Organiser" → "Calendar."
- 2 Press , , , or  to highlight the day and press .
- 3 Press  or  to highlight the "Note" you wish to delete and press  [Options].
- 4 Press  or  to highlight "Delete" and press .
- 5 Press  or  to highlight "1 data" and press .
- 6 Press  [Yes].
If you wish to cancel, press  [No] in this step.



Once you delete schedules, they cannot be restored.



If you wish to delete all the schedules in a day, select “1 Day” in step 5 above. The result is the same as the next option, “To delete all schedules in a day.”

To delete all schedules in a day

- 1 At the main menu, select in the following order: “Organiser” → “Calendar.”
- 2 Press , , , or to highlight the day and press [Options].
The “Options” menu appears.
- 3 Press or to highlight “Delete” and press .
- 4 Press or to highlight “1 day” and press [Yes].
If you wish to cancel, press [No] in this step.

To delete all schedules in the calendar

- 1 At the main menu, select in the following order: “Organiser” → “Calendar.”
- 2 Press [Options].
The “Options” menu appears.
- 3 Press or to highlight “Delete” and press .
- 4 Press or to highlight “All data” and press [Yes].
If you wish to cancel, press [No] in this step.

Using the Alarm



This function alerts you at a specified time such as for an appointment or time to get up. Before using the alarm, you should set the clock correctly. For information on how to set the clock, refer to Step 5 of “Step 5: Setting the Date and Time” on page 3-15.













The alarm function does not work if the handset is turned off.

Setting the Alarm






- 1 Press .
- The main menu appears.
- 2 Press , , , or to highlight “Organiser” and press .
- 3 Press or to highlight “Alarm” and press .
- The “Alarm” menu appears.
- 4 Press or to highlight “List alarms” and press .
- 5 Press or to highlight the desired alarm number and press .
- 6 Press or to highlight “Set time” and press .

- 7** Enter the alarm time using the digit keys and press .
- When you enter the alarm time in the 12-hour clock format, press  to switch between am and pm.










Setting the alarm tone type

- 1** At the main menu, select in the following order: “Organiser” → “Alarm” → “List alarms.”
 - 2** Press  or  to highlight the desired alarm number and press .
 - 3** Press  or  to highlight “Alarm tone” and press .
 - 4** Press  or  to highlight “Tone” and press .
- 6** Press  [Select] to go back to the “Alarm” menu.












- You can set the vibration with the alarm tone. Press  or  to highlight “Vibration” in step 4, and select between “Enable,” “Disable,” and “Link to sound.”
- You can set the duration of the alarm. Press  or  to highlight “Duration” in step 3, enter the duration in 2 digit numbers (02 to 59 seconds) by using the digit keys and press .

Setting the Alarm to Ring at the Same Time Everyday

- 1** At the main menu, select in the following order: “Organiser” → “Alarm” → “List alarms.”
- 2** Press  or  to highlight the desired alarm number and press .
- 3** Press  or  to highlight “Repeat Daily” and press .
- 4** Press  or  to highlight “On” or “Off” and press .







Setting the Snooze




- 1 At the main menu, select in the following order: "Organiser" → "Alarm" → "List alarms."
- 2 Press  or  to highlight the desired alarm number and press .
- 3 Press  or  to highlight "Snooze" and press .
- 4 Press  or  to highlight "On" or "Off" and press .
If you select "On," you can set the snooze interval (5, 10, 15, 20, 30 minutes) and the repeat count (1, 2, 3).











When the snooze is on, the alarm will ring repeatedly as set even if the alarm is stopped.

Setting the Alarm On/Off



- 1 At the main menu, select in the following order: "Organiser" → "Alarm" → "List alarms."
- 2 Press  or  to highlight the desired alarm number and press .
- 3 Press  or  to highlight "Alarm status" and press .

- 4 Press  or  to highlight "On" or "Off" and press .
If you select "Off," the alarm does not work.

Resetting an Alarm Setting










- 1 At the main menu, select in the following order: "Organiser" → "Alarm" → "List alarms."
- 2 Press  or  to highlight the alarm you wish to reset and press .
- 3 Press  or  to highlight "Reset alarm" and press .
- 4 Press  [Yes].
If you wish to cancel, press  [No] in this step.









Resetting All Alarm Settings

- 1 At the main menu, select in the following order: "Organiser" → "Alarm" → "Clear all."
- 2 Press  [Yes].
If you wish to cancel, press  [No] in this step.

Using the Calculator

You can use the calculator function of the handset for basic arithmetic calculations and rate conversions using up to 12 digits.










- 1 Press .
The main menu appears.
- 2 Press , , , or  to highlight "Organiser" and press .
- 3 Press  or  to highlight "Calculator" and press .
The "Calculator" appears.
The table below shows you the key assignment of the handset's keypad when using the calculator. (Also refer to the display). Become familiarised with the key assignment for your convenience.

Key	Function
	=
	%
	×
	÷
	+
	-
	enter a decimal point
 [Clear]	Clear





Converting Currency

You can also use the calculator for the currency conversion. You can convert to or from the home currency by entering the exchange rate.

To set a currency conversion rate

- 1 At the main menu, select in the following order: "Organiser" → "Calculator."
- 2 Press  [Options].
The "Options" menu appears.
- 3 Press  or  to highlight "Exchange rate" and press .
- 4 Press  or  to highlight "Foreign → Domestic" or "Domestic → Foreign" and press .
- 5 Enter the currency conversion rate and press .
To delete all digits, press  [Clear].

To convert a value

- 1 At the main menu, select in the following order: “Organiser” → “Calculator.”
- 2 Enter the value to be converted and press  [Options].
The “Options” menu appears.
- 3 Press  or  to highlight “In domestic” or “In foreign” and press .
The result appears.



You cannot perform step 4 when an arithmetic symbol (+, −, × or ÷) appears.















Using Memo Recording

The “Memo recording” function enables you to record a voice message of up to 60 seconds, which can be used to remind you of schedule entries. Also, you can send the recorded voice memo as an attachment of a multimedia message.




The recorded voice memo is saved in “My sounds.”


Recording a Memo

- 1 Press .
The main menu appears.
- 2 Press , , , or  to highlight “Organiser” and press .
- 3 Press  or  to highlight “Memo recording” and press .
The “Memo recording” menu appears.
- 4 Press .
Recording starts.
To stop while recording (the maximum recording time is 60 seconds), press  again.
- 5 Press  or  to highlight “Save” to save the memo recording and press .



Press  while the main menu appears, instead of steps 2 to 3 to enter the “Memo recording” function.



If you wish to record the memo recording again, press  [Cancel] in step 5. The screen will return to step 4.













Playing Back the Saved Memo Recording

The saved memos are in “My sound.”

- 1 At the main menu, select in the following order: “Downloads” → “Sounds” → “My sounds.” For information on how to playback a saved memo, refer to “Playing Back Sounds or Original Ringtones” on page 12-91.

Using the Phone Help

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

- 1 Press .
The main menu appears.
- 2 Press , , , or  to highlight “Organiser” and press .
- 3 Press  or  to highlight “Phone help” and press .
The help list appears.
- 4 Press  or  to highlight the function you wish to view.
If you have finished using the help, press  [Back].

Using the Call History

If you do not answer an incoming call, the handset records that a call was missed. "Missed calls" and the number of missed calls appears on the standby screen. The handset records the last 10 missed calls, received calls, and dialled numbers (Number of dialled numbers recorded depends on the SIM card you use.) Using the "Call Register," you can have various useful functions such as redialling, sending messages, creating the contacts list, and also you can check the call duration.



You can also access each logtype in the call register using the following key operations while the handset is in standby mode.



Dialled numbers



then : Missed calls



then : Received calls



The logs in the call register are listed in chronological order, and the name (if registered in the "Contacts list") or number of the party appears.













Calling from the Call Log

- 1** Press .
The main menu appears.
- 2** Press , , , or to highlight "Call Register" and press .
The "Call Register" menu appears.
- 3** Press or to highlight "Missed calls," "Received calls," or "Dialled numbers," and press .
- 4** Press or to highlight the name or number you wish to call and press .






If you press instead of in step 4 above, you can check the caller's name and number. (To display the caller's name, you should register the caller's name in the "Contacts list" beforehand.) To call, press [Options] and select "Call."










Sending Messages from the Call Log

- 1 At the main menu, select “Call Register.”
- 2 Press  or  to highlight “Missed calls,” “Received calls,” or “Dialled numbers,” and press .
- 3 Press  or  to highlight the number you wish to send messages and press  [Options]. The “Options” menu appears.
- 4 Press  or  to highlight “Send message” and press .
- 5 Press  or  to highlight “via SMS” or “via MMS” and press .
- 6 Enter your message.
For information on how to enter text, refer to “Entering Text” on page 8-45.






If you press  instead of  [Options] in step 3 above, you can check the caller's name and number. (To display the caller's name, you should register the caller's name in the “Contacts list” beforehand.) To send a message, press  [Options], select “Send message” and select “via MMS” or “via SMS.” The text entry screen appears.












Saving a Call Log to the Contacts List

- 1 At the main menu, select “Call Register.”
 - 2 Press  or  to highlight “Missed calls,” “Received calls,” or “Dialled numbers,” and press .
 - 3 Press  or  to highlight the number you wish to save and press  [Options]. The “Options” menu appears.
 - 4 Press  or  to highlight “Save to Contacts” and press .
- The handset saves the call log in the “Contacts list.”
For information on the “Contacts list,” refer to “Using the Contacts List” on page 9-48.






If you press  instead of pressing  [Options] in step 3 above, you can check the caller's name and number. (To display the caller's name, you should register the caller's name into the “Contacts list” beforehand.) To save the call log, press  [Options] and select “Save to Contacts.” The text entry screen appears. The handset saves the call log in the “Contacts list.”









Deleting a Call Log

- 1** At the main menu, select “Call Register.”
- 2** Press  or  to highlight “Missed calls,” “Received calls,” or “Dialled numbers,” and press .
- 3** Press  or  to highlight the number you wish to delete and press  [Options].
The “Options” menu appears.
- 4** Press  or  to highlight “Delete” and press .
- 5** Press  [Yes].
The call log selected in step 3 is deleted.
If you wish to cancel deleting, press  [No] in this step.



If you press  instead of  [Options] in step 3 above, you can check the caller's name and number. (To display the caller's name, you should register the caller's name in the “Contacts list” beforehand.) To delete the call log, press  [Options] and select “Delete.” The handset deletes the call log from the “Contacts list.”

Clearing Call Logs

- 1** At the main menu, select “Call Register.”
- 2** Press  or  to highlight “Missed calls,” “Received calls,” or “Dialled numbers” and press  [Options].
The “Options” menu appears.
- 3** Press  or  to highlight “Clear missed calls” (“Clear received calls,” or “Clear dialled numbers”) and press .
- 4** Press  [Yes].
The call log selected in step 3 is cleared.
If you wish to cancel, press  [No] in this step.



If you wish to delete all call logs, in each call register, select “Clear all logs” in step 3 above.









Once you delete a call log, it cannot be restored.

Checking the Duration of Calls







You can check the duration of your calls.

Checking the Duration of the Last Call

- 1 At the main menu, select "Call Register."
- 2 Press  or  to highlight "Call timers" and press .
- 3 Press  or  to highlight "Last call" and press .










The duration of the last call appears.

Checking the Total Call Time Log

- 1 At the main menu, select "Call Register."
- 2 Press  or  to highlight "Call timers" and press .
- 3 Press  or  to highlight "All calls" and press .

The total duration of the total calls appears.

Clearing All Call Time Logs

- 1 At the main menu, select "Call Register."
- 2 Press  or  to highlight "Call timers" and press .
- 3 Press  or  to highlight "Clear timers" and press .
- 4 Enter your handset code and press .
- 5 Press  [Yes].
The handset resets the call timers to zero.
If you want to cancel, press  [No] in this step.



Once you delete both the duration of the last call and total call time log, they cannot be restored.

Checking the Cost of Calls

You can check the phone charge for your calls.

Checking and Setting the Charge Rate

- 1** Press .
The main menu appears.
- 2** Press , , , or to highlight "Call Register" and press .
- 3** Press or to highlight "Call costs" and press .
- 4** Press or to highlight "Units cost" and press .
- 5** Press or to highlight "Read units" and press .
- The current charge rate appears.
To change the current charge rate, press [Back] and follow the next steps below.
- 6** Press or to highlight "Set units" and press .
- 7** Enter your PIN2 code and press .

- 8** Enter a cost per unit and press .
- To enter a decimal point, press .
- 9** Enter a currency unit (up to 3 characters), and press .



- *Some networks do not support Charging Advice. Please check with your service provider for availability.*
- *Before checking the cost of calls, check and set your charge rate (refer to "Checking and Setting the Charge Rate" on page 14-119.)*







Checking the Cost of the Last Call or Total Calls

- 1** At the main menu, select in the following order: "Call Register" → "Call costs."
- 2** Press or to highlight "Last call" and press .
- The cost of the last call appears.



- If you wish to check the cost of total calls, select "All calls" in step 2 above.*

Clearing All Call Costs








- 1 At the main menu, select in the following order: "Call Register" → "Call costs."
- 2 Press  or  to highlight "Clear costs" and press .
- 3 Enter your PIN2 code and press .
- 4 Press  [Yes].
The handset resets all call cost logs to zero.
If you want to cancel, press  [No] in this step.





Once you reset the call cost logs, they cannot be restored.

Setting the Charge Limit

If you wish to make sure that you do not exceed a certain limit, set this function.




- 1 At the main menu, select in the following order: "Call Register" → "Call costs."
- 2 Press  or  to highlight "Max cost" and press .
- 3 Press  or  to highlight "Set limit" and press .
- 4 Enter your PIN2 code and press .

- 5 Enter a cost per unit and press .
To enter a decimal point, press .



If you wish to check the current charge limit, select "Read limit" in step 3 above.













Checking the Remaining Credit

- 1 At the main menu, select in the following order: "Call Register" → "Call costs."
- 2 Press  or  to highlight "Residual credit" and press .

Checking the Amount of Data Communication

You can confirm the number of bytes which you used in GPRS transmission by using the "Data counter" function.






Checking the Data Counter

- 1** Press .
The main menu appears.
 - 2** Press , , , or  to highlight "Call Register" and press .
 - 3** Press  or  to highlight "Data counter" and press .
 - 4** Press  or  to highlight "Last data" and press .
- The amount of data in the last GPRS transmission is displayed in "bytes."



If you wish to check the total GPRS transmission used, select "All data" in step 4 above.

Clearing Data Counter















- 1** At the main menu, select in the following order: "Call Register" → "Data counter."
- 2** Press  or  to highlight "Clear counter" and press .
- 3** Press  [Yes].
The handset resets the "Data counter" to zero.
If you wish to cancel, press  [No] in this step.



Once you reset the counter, it cannot be restored.

Setting the Display Language

You can change the Language (11 languages and “Automatic”) of menus and messages.

- 1 Press .
The main menu appears.
- 2 Press , , , or  to highlight “Settings” and press .
- 3 Press  or  to highlight “Phone settings” and press .
- 4 Press  or  to highlight “Language” and press .
- 5 Press  or  to highlight the language you wish to display.















You can select the input language on the text entry screen. For information on how to enter text, refer to “Entering Text” on page 8-45.



- If you select “Automatic” in step 5, the language preset on the SIM card is selected.
- If the language preset on the SIM card is not supported, then the default language of the handset is selected.










Setting the Display

You can change the settings of the Display such as “Wallpaper,” “Backlight,” “Wallpaper calendar,” “Brightness,” “Power saving,” “Greeting message,” and “Assign pictures.”

- 1 Press .
The main menu appears.
 - 2 Press , , , or  to highlight “Settings” and press .
 - 3 Press  or  to highlight “Phone settings” and press .
 - 4 Press  or  to highlight “Display” and press .
- The “Display” menu appears.

Setting the Wallpaper

To set the built-in wallpaper

- 1** At the main menu, select in the following order: "Settings" → "Phone settings" → "Display."
- 2** Press  or  to highlight "Wallpaper" and press .
- 4** Press , , , or  to highlight the wallpaper you wish to display and press  [View].
The selected wallpaper appears.
- 5** Press .
The selected wallpaper appears on the standby screen.


















You can also select the animation wallpaper. However, if you do not operate the handset for about 30 seconds (depending on the selected wallpaper), the animation wallpaper you selected appears as a still picture.



To cancel the Wallpaper setting, select "Off" in step 3.







To set the picture you registered as wallpaper

- 1** At the main menu, select in the following order: "Settings" → "Phone settings" → "Display."
- 2** Press  or  to highlight "Wallpaper" and press .
- 3** Press  or  to highlight "My pictures" and press .
The thumbnail index of "My pictures" appears.
- 4** Press  or  to select the picture you wish to display and press  [View].
The selected wallpaper appears.
- 5** Press .
The selected wallpaper appears on the standby screen.
- 6** Press , , , or  to specify the area you wish to display and press .









Some pictures cannot be used because of their data types.

To display Wallpaper Calendar










- 1 At the main menu, select in the following order: "Settings" → "Phone settings" → "Display."
- 2 Press  or  to highlight "Wallpaper calendar" and press .
- 3 Press  or  to highlight "On" and press . The 2-month calendar appears as the wallpaper on the Display.
If you do not wish to display the wallpaper calendar, select "Off" in this step.


To adjust the Backlight Brightness

- 1 At the main menu, select in the following order: "Settings" → "Phone settings" → "Display."
- 2 Press  or  to highlight "Brightness" and press .
- 3 Press  (brighter) or  (darker) to adjust the brightness and press . The brightness changes in 4 steps.

Turning On/Off the Backlight







The illumination time for the display and keypad backlight can be set.

- 1 At the main menu, select in the following order: "Settings" → "Phone settings" → "Display."
- 2 Press  or  to highlight "Backlight" and press .
- 3 Press  or  to highlight "On/Off" and press .
- 4 Press  or  to highlight selection and press .

When selecting "On," enter the duration of the backlight using 2 digit numbers (01-99 sec.), and press .









To turn On/Off the back light while charging with the cigarette lighter charger

With this setting on, the handset's backlight is lit when the cigarette lighter charger is connected.

- 1 After step 1 of "Turning On/Off the Backlight (page 15-124)," press  or  to highlight "In car" and press .
- 2 Press  or  to highlight "On" and press .

Setting Display Power Saving

You can set the display to turn off, after a given time or at a start/end time.

- 1** At the main menu, select in the following order: "Settings" → "Phone settings" → "Display."
- 2** Press  or  to highlight "Power saving" and press .
- 3** Press  or  to highlight "On" or "Off," and press .
- 4** If you select "On," enter the time before display saving takes effect in 2 digit numbers, and press .
If you select "Off," enter the time of "Clock display time" start/end, and press .










- *When calling using WAP or running an application, the display saving function does not operate.*
- *Power consumption can be decreased by changing the set time.*

To cancel the display power saving function

Display saving continues until either a key is pressed or an incoming call is received. Press a key once to cancel the display saving function, then you can input any numerical or text value.

Setting the Greeting Message

You can set a message to appear when the handset is turned on.

- 1** At the main menu, select in the following order: "Settings" → "Phone settings" → "Display."
- 2** Press  or  to highlight "Greeting message" and press .
- 3** Press  or  to highlight "On" and press .
- 4** Enter the message you wish to display and press .






Up to 16 characters can be stored as a message.
For information on how to enter text, refer to "Entering Text" on page 8-45.




To cancel the greetings message setting, select "Off" in step 3 above.

Assigning Pictures


A selected picture appears when turning the power on or off, receiving an incoming call, or operating the alarms. Pictures taken with the built-in digital camera or images downloaded from a WAP site can be set.

- 1** At the main menu, select in the following order: "Settings" → "Phone settings" → "Display."
- 2** Press  or  to highlight "Assign pictures" and press .
- 3** Press  or  to select when you want to display the animation or a picture from the following choices.


When turning the power on or off:

highlight "Power on" or "Power off" and press .




When receiving an incoming call:

highlight "Incoming" and press .










When operating the alarm:

highlight "Alarm" and press .

To download more pictures













- 4** After step 3, press  or  to highlight "More pictures" and press .

To set the picture on "My pictures"




- 4** After step 3, Press  or  to highlight "My pictures", and press .
The thumbnail index of "My pictures" or the current picture appears. If you need to change the picture, press  [Change].
- 5** Press , , , or  to highlight a picture you wish to display, and press  to set.

Setting The Auto Keypad Lock

To avoid keys being pressed accidentally when carrying the handset, you can set the auto keypad lock function to disable key operations when the handset is closed. Each time you slide the handset open or closed, the function automatically turns off and on accordingly.

- 1** Press .
The main menu appears.
- 2** Press , , , or  to highlight "Settings" and press .
- 3** Press  or  to highlight "Phone settings" and press .
- 4** Press  or  to highlight "Auto keypad lock" and press .
- 5** Press "On" to initiate the function or "Off" to cancel the function.
Pressing any key when the handset is closed, will display the message "Keypad Locked" on the main menu.


















- *If you press any key when the handset is closed, you will see the message "Keypad Locked" on the main menu. After about 1 second, "Press and hold the Centre key to unlock the keypad" appears. Press and hold  for 2 seconds to cancel the function.*
- *When the function is set to "On," you can still take pictures by pressing and holding the shutter release button () for 2 seconds.*
- *When the auto keypad lock and display power saving function is set to "On," you can still check the time by pressing .*
- *If you slide closed the handset while writing a text message, sliding it open again will lead you to the same text editor mode that you were in when you slid it closed.*

Resetting the Phone Setting

You can reset all the phone settings to the default settings.

To cancel the settings, you need to have set the handset code beforehand or refer to page 15-148 for details.





- 1** Press .
The main menu appears.
- 2** Press , , , or  to highlight "Settings" and press .
- 3** Press  or  to highlight "Phone settings" and press .
- 4** Press  or  to highlight "Set to Default" and press .
- 5** Enter your handset code and press .
- 6** Press  [Yes].
To cancel, press  [No] in this step.















If you enter a wrong handset code in step 5, the operation is cancelled.




Setting the Profiles

This section describes the settings for sound such as ringtone, keypad tones, etc. These are 6 profiles that each sound can be set to suit every occasion. When a profile is set, the icon corresponding to the profile name appears in the standby screen.

- My profile:** Default settings which can be changed.
- Conference** : Set when in a meeting or discretion is needed.
- Activity** : Set when in a noisy situation.
- In car** : Set when driving. (connected to hands free EARphone & MIC)
- Silent** : Set when you need to be silent. All sounds are muted and you are alerted to calls with the vibration.



- 1** Press .
The main menu appears.
- 2** Press , , , or  to highlight "Settings" and press .
- 3** Press  or  to highlight "Profiles" and press .
The "Profiles" menu appears.

4 Press  or  to highlight the profile you wish to set, press  [Options].

5 Press  or  to highlight “Personalise” and press .


After this step, follow the appropriate instructions.






- You can press and hold  for approximately 2 seconds instead of steps 1 to 3 to display the “Profiles” screen while in the standby mode.
- You can display profiles by pressing  while in the standby mode.




Setting the Ringer Volume

You can adjust the ringer volume to one of 5 levels or a step tone. When “Silent” is selected, the ringer volume and also the application volume are muted.

1 At the main menu, select in the following order: “Settings” → “Profiles” → the profile you wish to set and press  [Options] → “Personalise.”








2 Press  or  to highlight “Ringer volume” and press .

The current volume level appears.


Press  or  to select the volume level from one of 5 levels, “Step tone” or “Silent” and press .

Setting the Vibration

You can set the vibration for incoming calls regardless of the ring volume and tone settings.




















- 1** At the main menu, select in the following order: "Settings" → "Profiles" → the profile you wish to set and press  [Options] → "Personalise."
- 2** Press  or  to highlight "Vibration" and press .
- 3** Press  or  to highlight "Enable," "Disable," or "Link to sound" and press .










- When "Link to sound" is selected in step 3, melodies are synchronised with the vibration for the ringtone. However, this function may not work depending on the melody.
- When you select "Enable" or "Link to sound" in step 3,  is displayed on the standby screen.

Setting the Keypad Tones











You can set and change the tone of the keypad sound that you hear each time you press a key. In the following settings you can select the volume level, the melody to be used, and the duration.







- 1** At the main menu, select in the following order: "Settings" → "Profiles" → the profile you wish to set and press  [Options] → "Personalise."
- 2** Press  or  to highlight "Keypad tones" and press .
- 3** Press  or  to highlight "On" or "Off" and press .
If you select "Off," the screen returns to step 1.
If you select "On," follow the steps below.
- 4** Press  or  to highlight "Volume" and press .
- 5** Press  or  to highlight "High," "Middle," or "Low" to adjust the volume and press .
- 6** Press  or  to highlight "Tone" and press .
- 7** Press  or  to highlight "More sounds," "My sounds," or "Tone" and press .








- 8** Select the keypad tones and press .
For information on how to select tones, refer to “Setting a Melody as the Ringtone” on page 15-129.
- 9** Press  or  to highlight “Duration” and press .
- 10** Press  or  to select the desired duration and press .

Setting the Warning Tone

You can set and change the warning tone that you hear when an error occurs. In the following settings, you can select the volume level, the melody to be used, and the duration.


- 1** At the main menu, select in the following order: “Settings” → “Profiles” → the profile you wish to set and press  [Options] → “Personalise.”
- 2** Press  or  to highlight “Warning tone” and press .
- 3** Press  or  to highlight “On” or “Off” and press .
If you select “Off,” the screen returns to step 1.
If you select “On,” follow the steps below.
- 4** Press  or  to highlight “Volume” and press .

- 5** Press  or  to highlight “High,” “Middle,” or “Low” and press .
- 6** Press  or  to highlight “Tone” and press .

- 8** Select the warning tone and press .
For information on how to select tones, refer to “Setting a Melody as the Ringtone” on page 15-129.
- 9** Press  or  to highlight “Duration” and press .
- 10** Press  or  to select the desired duration and press .

Setting the Power On/Off Sound

You can set and change the power on/off sound that you hear when it is turned on or off. In the following settings you can select the volume level, the melody to be used, and the duration.












- 1** At the main menu, select in the following order: “Settings” → “Profiles” → the profile you wish to set and press  [Options] → “Personalise.”

- 2** Press or to highlight "Power on sound" or "Power off sound" and press .
- 3** Press or to highlight "On" or "Off" and press .
If you select "Off," the screen returns to step 1.
If you select "On," follow the steps below.
- 4** Press or to highlight "Volume" and press .
- 5** Press or to select the volume level from one of 5 levels and press .
- 6** Press or to highlight "Sound" and press .
- 8** Select the power on/off sound and press .
For details on selecting a tones, refer to "Setting a Melody as the Ringtone" on page 15-129.
- 9** Press or to highlight "Duration" and press .
The message "How many seconds ?" appears.
- 10** Enter a two digit number (01 to 10 seconds) to define the duration and press .

Setting the Message Alert


You can set and change the message alert sound that you hear when receiving messages. In the following settings you can select the volume level, the melody to be used, and the duration.







- 1** At the main menu, select in the following order: "Settings" → "Profiles" → the profile you wish to set and press [Options] → "Personalise."
- 2** Press or to highlight "Message Alert" and press .
- 3** Press or to highlight "SMS," "MMS," "E-mail," or "WAP" and press .
After selecting "SMS," "MMS," "E-mail," or "WAP" you will be lead through the same settings. Just continue to the next steps.
- 4** Press or to highlight "Volume" and press .
- 5** Press or to select the volume level from one of 5 levels, "Step tone," or "Silent" and press .
- 6** Press or to highlight "Sound" and press .

- 8** Select the message alert sound and press .
For information on how to select tones, refer to "Setting a Melody as the Ringtone" on page 15-129.
- 9** Press  or  to highlight "Vibration" and press .
- 10** Press  or  to highlight "Enable," "Disable," or "Link to sound" and press .
- 11** Press  or  to highlight "Duration" and press .
The message "How many seconds ?" appears.
- 12** Enter a two digit number to define the duration and press .





Setting the Low Battery Alert








You can set and adjust the low battery alert volume you hear when the battery becomes empty.

- 1** At the main menu, select in the following order: "Settings" → "Profiles" → the profile you wish to set and press  [Options] → "Personalise."

- 2** Press  or  to highlight "Low battery alert" and press .
Press  or  to highlight "High," "Low," or "Silent" to adjust the volume and press .








Setting Any Key Answer

You can set the any key answer function so that you can answer a call by pressing any key except , , , or .

- 1** At the main menu, select in the following order: "Settings" → "Profiles" → the profile you wish to set and press  [Options] → "Personalise."
- 2** Press  or  to highlight "Any key answer" and press .
- 3** Press  or  to highlight "On" or "Off" and press .

Setting the Automatic Answer

The automatic answer function allows you to answer calls automatically by attaching Hands free EARphone & MIC to your handset. You can select the desired time until your handset answers.

- 1** At the main menu, select in the following order: "Settings" → "Profiles" → "In car" and press  [Options] → "Personalise."
- 2** Press  or  to highlight "Automatic answer" and press .
- 3** Press  or  to highlight "On" or "Off" and press .

If you select "On," select the time span (5, 10, 15, 20 sec) before the handset automatically connects the call.






The "Automatic answer" function is available only when the hands free kit is attached and "In car" is selected as the profile.

Resetting the Profiles Setting

You can reset all the profiles settings that you have set to the default settings.

To cancel the settings, you need to set the handset code beforehand or refer to page 15-148 for details.

- 1** At the main menu, select in the following order: "Settings" → "Profiles" → the profile you wish to reset and press  [Option] → "Set to default."
- 2** Enter your handset code, and press .
- 3** Press  [Yes].
To cancel, press the left-softkey [No] in this step.





















If you enter a wrong handset code in step 2, the operation is cancelled.

Call Settings

This section describes the settings for call functions such as call waiting, adjusting earpiece volume, etc. that are related directly to calling or receiving operations.

Activating the Call Waiting Service



Activating this service enables you to talk to a new caller while you are in the middle of another call. After activating this service, a beep tone notifies you of the second call. For information on how to use this function, refer to “Call Waiting” on page 6-29.

- 1** Press .
The main menu appears.
- 2** Press , ,  or  to highlight “Settings” and press .
- 3** Press  or  to highlight “Connectivity” and press .
- 4** Press  or  to highlight “Call settings” and press .
- The “Call settings” menu appears.
- 5** Press  or  to highlight “Call waiting” and press .
- 6** Press  or  to highlight “On” to activate or “Off” to cancel the service and press .









The call waiting service may not be available on all service provider. Contact your service provider for more information.

To check the call waiting service status

If you select “Status” in step 6 and press , you can check the status of the call waiting service. After checking the status, press  [Back].







Displaying the Call Timers

Activating this function lets you check the duration of your call. For information on how to use this function, refer to “Checking the Duration of Calls” on page 14-118.

- 1** At the main menu, select in the following order: “Settings” → “Connectivity” → “Call settings.”
- 2** Press  or  to highlight “Display call timers” and press .
- 3** Press  or  to highlight “On” to activate or “Off” to cancel the function and press .

Displaying Your Own Number



Activating this function lets you control whether or not to show your phone number to the party you are calling.

- 1 At the main menu, select in the following order: “Settings” → “Connectivity” → “Call settings.”
- 2 Press  or  to highlight “Show your number” and press .
- 3 Press  or  to highlight “On,” “Off” or “Status” and press .






This service may not be available on all service providers. Contact your service provider for more information.




To check whether the show your number function is active or not

If you select “Status” in step 3 and press , you can check the status. After checking the status, press .

Adjusting the Earpiece Volume

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

- 1 At the main menu, select in the following order: “Settings” → “Connectivity” → “Call settings.”
- 2 Press  or  to highlight “Earpiece volume” and press .







- 3 Press  or  to select the volume level from one of 5 levels and press .





You can also adjust the Hands free EARphone & MIC volume, if connected.







Activating the Picture Call

The image registered to the caller in the contacts list is displayed when receiving a call.

- 1 At the main menu, select in the following order: “Settings” → “Connectivity” → “Call settings.”
- 2 Press  or  to highlight “Picture call” and press .
- 3 Press  or  to highlight “On” or “Off” and press .

Activating Auto Redial

This function makes the redial automatically when the first redial attempt is unsuccessful. If you wish to stop redialling, press  or  [End].







- 1 At the main menu, select in the following order: "Settings" → "Connectivity" → "Call settings."
- 2 Press  or  to highlight "Auto redial" and press .
- 3 Press  or  to highlight "On" or "Off" and press .



- When you receive an incoming call, the auto redial function is interrupted.
- Automatic redialling is not available for fax and data calls.







Activating the Minute Minder

This function informs you of the call duration by sounding a tone after every minute.




- 1 At the main menu, select in the following order: "Settings" → "Connectivity" → "Call settings."
- 2 Press  or  to highlight "Minute minder" and press .
- 3 Press  or  to highlight "On" to activate or "Off" to cancel the function and press .

Settings for Sliding the Handset Closed




You can reject an incoming call, send a busy tone, or terminate a call by sliding closed the handset. For information on how to use this function, refer to "Rejecting an Incoming Call" on page 6-28.

- 1 At the main menu, select in the following order: "Settings" → "Connectivity" → "Call settings."
- 2 Press  or  to highlight "Slide close" and press .
- 3 Press  or  to highlight "Incoming call" or "During call" and press .

When selecting "Incoming call":

Press  or  to highlight "Reject" to reject an incoming call, "Busy" to send a busy tone, or "No action" to set action free and press .







When selecting "During call":

Press  or  to highlight "Terminate" to hang up an ongoing call, "No action" to set action free and press .

Resetting the Call Settings

You can reset all “Call settings” you have set to the default settings.

To cancel the settings, you need to have set the handset code beforehand or refer to page 15-148 for details.

- 1** At the main menu, select in the following order: “Settings” → “Connectivity” → “Call settings.”
- 2** Press  or  to highlight “Set to default” and press .
- 3** Enter your handset code, and press . “Are you sure ?” appears.
- 4** Press  [Yes].
To cancel, press  [No] in this step.


















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

Call Diverts

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.

Activating Call Diverts

- 1** Press .
The main menu appears.
- 2** Press , ,  or  to highlight “Settings” and press .
- 3** Press  or  to highlight “Connectivity” and press .
- 4** Press  or  to highlight “Call diverts” and press .
- 5** Press  or  to highlight one of the divert options and press .

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 handset is out of network service or switched off.

6 Press  or  to highlight “On” and press .

7 Enter the phone number you wish to divert.










When a divert option is set to “All Calls,”  is displayed on the standby screen.









If you select “By service” instead of “On” in step 6 above, you can select further divert options.






Checking the Divert Status

- 1** At the main menu, select in following order: “Settings” → “Connectivity” → “Call divers.”
- 2** Press  or  to highlight the divert option you wish to check and press .
- 3** Press  or  to highlight “Status” and press . You can now check the status of the selected divert option.
When you finished, press  [Back].

Cancelling Divert Settings Individually

- 1** At the main menu, select in the following order: “Settings” → “Connectivity” → “Call divers.”
- 2** Press  or  to highlight the divert option you wish to cancel and press .
- 3** Press  or  to highlight “Off” and press . The selected divert is cancelled.

Cancelling All Divert Settings



















- 1** At the main menu, select in the following order: “Settings” → “Connectivity” → “Call divers.”
- 2** Press  or  to highlight “Cancel all” and press .
- 3** Press  [Yes].
All divert settings are cancelled.
If you wish to cancel, press  [No] in this step.

Setting Networks

This setting enables you to connect the preferred network each time the power is turned on.










Connecting To a Network Automatically

If your handset has not been connected to the network yet, you can perform the following steps to establish connection to the preferred network immediately.

- 1** Press .
The main menu appears.
- 2** Press , ,  or  to highlight “Settings” and press .
- 3** Press  or  to highlight “Connectivity” and press .
- 4** Press  or  to highlight “Network Settings” and press .
The “Network settings” menu appears.
- 5** Press  or  to highlight “Select network” and press .
- 6** Press  or  to highlight “Automatic” and press .




Selecting a Network Manually










If you wish to connect to networks other than the preferred network, perform the following steps.

- 1** At the main menu, select in the following order: “Settings” → “Connectivity” → “Network settings.”
- 2** Press  or  to highlight “Select network” and press .
- 3** Press  or  to highlight “Manual” and press .
- 4** Press  or  to highlight the network in the list and press .
If there are no networks in the list, you can add them. Refer to “Adding a New Network” on this page.

Editing the Preferred List

If you wish to edit the preferred network list, perform the following steps.









- 1** At the main menu, select in the following order: “Settings” → “Connectivity” → “Network settings.”
- 2** Press  or  to highlight “Select network” and press .

- 3** Press  or  to highlight “Set preferred” and press .
 - 4** Press  or  to highlight the name of the network position you wish to change and press .
 - 5** Press  or  to highlight “Insert” or “Add to end” and press .
- To delete the name of the network from the list, select “Delete” in this step.

Adding a New Network




If you wish to add a new network to the list, perform the following steps.

When the list is empty

- 1** At the main menu, select in the following order: “Settings” → “Connectivity” → “Network settings.”
- 2** Press  or  to highlight “Select network” and press .
- 3** Press  or  to highlight “Add new network” and press .
- 4** Enter the country code and press .
- 5** Enter the network code and press .








- 6** Enter the network name and press .

When there are a few networks

If you already have set a few networks in the list, press  [Options] and press  or  to highlight “Add” after step 3 and continue the following steps.







Changing the Network Password

If you wish to change the network password, perform the following steps.

- 1** At the main menu, select in the following order: “Settings” → “Connectivity” → “Network settings.”
 - 2** Press  or  to highlight “Change password” and press .
 - 3** Enter the old password and press .
 - 4** Enter a new password and press .
 - 5** Enter the new password again and press .
- If you enter the incorrect password at this step, the screen will return to step 5 and you are asked to enter the password again.
- 6** Press .




Selecting an Applicable Zone





Your handset tries to select an applicable zone automatically on startup. You can also select it according to the area.

- 1** At the main menu, select in the following order: “Settings” → “Connectivity” → “Network settings.”
- 2** Press  or  to highlight “Select zone” and press .
- 3** Press  or  to highlight “Europe, Asia, etc.” or “America” and press .

Setting Infrared Communications

This setting enables the built-in infrared modem to establish a connection between your handset and a PC equipped with an infrared port.

- 1** At the main menu, select in the following order: “Settings” → “Connectivity.”
- 2** Press  or  to highlight “Infrared” and press .







- 3** Press  or  to highlight “On” and press .
 will appear on the screen.
 The infrared setting will return to off when no data is transmitted/received via the infrared connection.



To establish an infrared connection, you should select “infrared” in the PC Link setting. For more information, refer to “Setting a PC Link Connection” below.

Setting a PC Link Connection

This setting enables you to choose the connection method between your handset and a PC.

- 1** At the main menu, select in the following order: “Settings” → “Connectivity.”
- 2** Press  or  to highlight “PC Link” and press .
- 3** Press  or  to highlight “Data cable” or “Infrared” and press .

Setting Java™ Applications

This section describes the settings for Java™ applications such as screensavers, the operation priority between calls (or alarms) and an active Java™ application, the sound volume of Java™ application, etc.

Settings for Screensavers

- 1 Press .
The main menu appears.
- 2 Press , , or to highlight “Settings” and press .
- 3 Press or to highlight “Java™” and press .
- The Java™ settings screen appears.
- 4 Press or to highlight “Screensavers” and press .
- 5 Press or to highlight “On/Off” and press .
- 6 Press or to highlight “On.”
- 7 If you select “On,” press or to highlight the screensaver application you wish to set and press .

To deactivate the screensavers, select “Off” in this step.

Setting the Resume Time




This setting defines the time period for the screensaver to activate.

- 1 At the main menu, select in the following order: “Settings” → “Java™” → “Screensavers.”
- 2 Press or to highlight “Resume time” and press .
- 3 Enter the resume time in two digit numbers using the digit keys and press .

Setting Operation Priority


This setting enables you to set the priority of incoming calls and alarms while a Java™ application is running.

- 1 At the main menu, select in the following order: “Settings” → “Java™” → “Settings.”
- 2 Press or to highlight “Calls & alarms” and press .
- 3 Press or to highlight “Incoming call” or “Alarm” and press .



- 4 Press  or  to highlight the option you wish to set and press .

The options available are:

“Call priority” or “Alarm priority”:

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

“Call notice” or “Alarm notice”:

The marquee (character scrolls) is displayed on the first line of the screen while the application continues. If you press , the application is suspended, and you can receive a call. After finishing the call, the suspend icon () is displayed letting you know there is a suspended application.

Setting the Backlight








You can select how the backlight operates during an application from the following three types:

“On”: Lit while the application is operating.

“Off”: Off while the application is operating even when a key is pressed.






“Normal settings”: Works with the main backlight setting. (page 15-124)

- 1 At the main menu, select in the following order: “Settings” → “Java™” → “Settings.”

- 2 Press  or  to highlight “Backlight” and press .
- 3 Press  or  to highlight “On/Off” and press .
- 4 Press  or  to highlight “On,” “Off,” or “Normal settings” and press .

Setting Online Confirmation










This setting enables you to adjust the display settings of the confirmation screen for the application at startup.

- 1 At the main menu, select in the following order: “Settings” → “Java™” → “Settings.”
- 2 Press  or  to highlight “Online confirmation” and press .
- 3 Press  or  to highlight “Allow” for automatic connection (no confirmation), “Confirm” for activating the confirmation function.
If you select “Deny”, the handset does not connect to the site anytime.

Resetting Java™ Applications






This steps enables you to reset all Java™ applications settings that are set in “Settings” in the “Java™” menu. Also you can clear all applications that are installed in your handset.

To reset all items in the “Settings” menu

- 1 At the main menu, select in the following order: “Settings” → “Java™” → “Settings.”
- 2 Press  or  to highlight “Reset” and press .
- 3 Enter your handset code and press .
The default handset code is “0000.” For more information on changing the handset code, refer to “To change the handset code” on page 15-149. If you enter a wrong handset code, the screen will return to step 3 of “Setting Java™ Applications (page 15-143),”
- 4 Press  or  to highlight “Settings reset” and press .
The message “Are you sure?” is displayed.
- 5 Press  [Yes].
All items in the “Settings” menu and screensaver settings are reset.
To cancel, press  [No] in this step.




To clear all applications

These steps enable you to delete all applications installed in “Applications.” However, preinstalled applications cannot be deleted.

- 1 After step 4 of “To reset all items in the “Settings” menu (page 15-145),” press  or  to highlight “All clear” and press .
The message “Are you sure?” is displayed.
- 2 Press  [Yes].
All applications are cleared.
To cancel, press  [No] in this step.

To display Java™ information



















These steps show you how to display the information on the license belonging to Java™.

- 1 At the main menu, select in the following order: “Settings” → “Java™.”
- 2 Press  or  to highlight “Java™ Information” and press .
Java™ Information is displayed.

Setting the Date and Time

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










Setting the Time Format

- 1 Press .
The main menu appears.
- 2 Press , ,  or  to highlight "Settings" and press .
- 3 Press  or  to highlight "Date & Time" and press .
- 4 Press  or  to highlight "Clock settings" and press .
- 5 Press  or  to highlight "Time format" and press .
- 6 Press  or  to highlight "12 hour" or "24 hour" and press .










Setting the Date Format

You can change the date format between "D(date).M(month).Y(year)," "M-D-Y" and "Y/M/D."




- 1 At the main menu, select in the following order: "Settings" → "Date & Time."







- 2 Press  or  to highlight "Clock settings" and press .
- 3 Press  or  to highlight "Date format" and press .
- 4 Press  or  to highlight "D.M.Y.," "M-D-Y" or "Y/M/D" and press .

Setting the Clock Display










- 1 At the main menu, select in the following order: "Settings" → "Date & Time."
- 2 Press  or  to highlight "Clock settings" and press .
- 3 Press  or  to highlight "Display format" and press .
- 4 Press  or  to highlight "Time only," "Date only," "Date & Time" or "Off" and press .

Setting Daylight Savings time







- 1 At the main menu, select in the following order: "Settings" → "Date & Time."
- 2 Press  or  to highlight "Clock settings" and press .



- 3** Press  or  to highlight "Daylight saving" and press .
- 4** Press  or  to highlight "On" and press .

Setting the Time Zone

- 1** At the main menu, select in the following order: "Settings" → "Date & Time."
- 2** Press  or  to highlight "Set time zone" and press .
- 3** Press  or  to highlight "Change zone" and press .
- 4** Press  or  to select a home city and press .

Customising the Time Zone

- 1** At the main menu, select in the following order: "Settings" → "Date & Time."
- 2** Press  or  to highlight "Set time zone" and press .
- 3** Press  or  to highlight "Set custom zone" and press .













- 4** Enter time-zone differences using the digit keys and press . Press  to switch between – and +.






Setting Security

These settings enable the security function to prevent unauthorised use of your handset.






Enabling the PIN Code

When the setting is on, you are asked to enter the PIN code each time you turn the handset on. Your PIN code is stored in the SIM card and you should memorise the code when you purchase the SIM card. For more information on the SIM card, contact your service provider for details.








- 1** Press .
The main menu appears.
- 2** Press , ,  or  to highlight "Settings" and press .
- 3** Press  or  to highlight "Security" and press .
The "Security" menu appears.
- 4** Press  or  to highlight "PIN entry" and press .

- 5** Press  or  to highlight "On" and press .
- 6** Enter your PIN code and press .
- 7** Press .

To disable the PIN code








- 1** In step 5 of "Enabling the PIN Code" above, press  or  to highlight "Off" and press .
- 2** Enter your PIN code and press .
- 3** Press .

To change the PIN code






- 1** In step 5 of "Enabling the PIN Code," press  or  to highlight "Change PIN" and press .
- 2** Enter your PIN code and press .
- 3** Enter a new PIN code and press .
- 4** Enter the new PIN code again and press 
If you enter a code different from the code which you entered in this step, the screen returns to step 3.
Enter the correct code again.
- 5** Press .

Enabling the Handset Lock







The "Handset lock" is an additional security feature that prevents unauthorised use of the handset. The default handset code is "0000."

- 1** At the main menu, select in the following order: "Settings" → "Security."
- 2** Press  or  to highlight "Handset lock" and press .
- 3** Press  or  to highlight "On" and press .
- 4** Enter your handset code and press .

To disable the handset lock






- 1** In step 3 of "Enabling the Handset Lock" above, press  or  to highlight "Off" and press .
- 2** Enter your handset code and press .
- 3** Press .


To change the handset code

- 1** In step 3 of “Enabling the Handset Lock” above, press  or  to highlight “Change Code” and press .
- 2** Enter your handset code and press .
- 3** Enter a new handset code and press .
- 4** Enter the new handset code again and press . If you enter a code different from the code which you entered in this step, the screen returns to step 3. Enter the correct code again.

Changing PIN2 Code

PIN2 code is used to protect certain functions in the handset such as Fixed Dialling No. and call cost limits. The following steps describe how to change PIN2 code.







- 1** At the main menu, select in the following order: “Settings” → “Security.”
- 2** Press  or  to highlight “Change PIN2” and press .
- 3** Enter your PIN2 code and press .
- 4** Enter a new PIN2 code and press .

- 5** Enter the new PIN2 code again and press . If you enter a code different from the code which you entered in this step, the screen returns to step 4. Enter the correct code again.

- 6** Press .

Barring Calls

This function enables you to set restrictions on incoming and outgoing calls. To activate “Call barring” you will need the call barring password, which is available from your service provider.




- 1** At the main menu, select in the following order: “Settings” → “Security.”
- 2** Press  or  to highlight “Call barring” and press .
- 3** Press  or  to highlight one of the call barring functions below and press .
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 area of your registered service provider.






“Bar outgoing calls”:

Restricts all outgoing calls except emergency calls.




- 4** Press  or  to highlight one of the call barring options below and 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 msg”:	Restricts all services except messages.





- 5** Press  or  to highlight “On” and press .
- 6** Enter the network password and press .
- To change the network password, refer to “Changing the Network Password” on page 15-141.
- 7** Press .
- The selected call barring function is activated.
If you enter a wrong network password, the password is cleared. Enter the correct password.

To disable barring calls options individually





In step 5 of “Barring Calls (page 15-149),” press  or  to highlight “Off” and press .

The selected call barring option is cancelled.

To check call barring status











- 1** After step 4 of “Barring Calls (page 15-149),” press  or  to highlight “Status” and press .
- 2** When you finish, press  [Back].

To cancel all call barring settings




- 1** In step 2 of “Barring Calls (page 15-149),” press  or  to highlight “Cancel all” and press .
- 2** Enter the network password and press .
- All call barring settings are cancelled.

Setting Fixed Dialling No.




This setting enables the “Fixed Dialling No.” function. If you turn the security function on, you can only call predefined numbers. In this step you are asked to enter PIN2 code for this setting. You should check the number beforehand.






- 1** At the main menu, select in the following order: “Settings” → “Security.”
- 2** Press  or  to highlight “Fixed Dialling No.” and press .
- 3** Enter PIN2 code and press .
- 4** Press  or  to highlight “Settings” and press .
- 5** Press  or  to highlight “On” and press .

To disable the Fixed Dialling No.








In step 5 above, press  or  to highlight “Off” and press .

To add a new phone number to the Fixed Dialling No. list










- 1** After step 3 of “Setting Fixed Dialling No. (page 15-151),” press  or  to highlight “Edit dial list” and press .

- 2** Press  [Options].
The “Options” menu appears.
- 3** Press  or  to highlight “Add new contact” and press .
- 4** Add a name and phone number.
For more information on how to add a name and a phone number, refer to “Saving Information to the Contacts List” on page 9-50.
- 5** Press  [Save] to save.








To search a registered entry



- 1** After step 3 of “Setting Fixed Dialling No. (page 15-151),” press  or  to highlight “Edit dial list” and press .
- 2** Press  [Options].
The “Options” menu appears.
- 3** Press  or  to highlight “Search” and press  to select.
- 4** Search for the desired entry.
For more information on how to search an entry, refer to “Searching a Name and Number in the Contacts List” on page 9-52.

To edit a registered entry

- 1 After step 3 of “Setting Fixed Dialling No. (page 15-151),” press  or  to highlight “Edit dial list” and press .
- 2 Press  or  to highlight the entry you wish to edit.
- 3 Press  [Options].
The “Options” menu appears.
- 4 Press  or  to highlight “Edit” and press  to select.
- 5 Edit the desired entry.
For more information on how to edit an entry, refer to “Editing the Contacts List” on page 9-53.

To delete a registered entry

















- 1 After step 3 of “Setting Fixed Dialling No. (page 15-151),” press  or  to highlight “Edit dial list” and press .
- 2 Press  [Options].
The “Options” menu appears.
- 3 Press  or  to highlight “Delete” and press .













- 4 Press  [Yes].
The selected entry is deleted.
To cancel, press  [No] in this step.

Setting an Account





















The followings is information on how to setup WAP, MMS and E-mail settings. Normally you do not need to change these settings.



















WAP Settings

Item	Description	Operation
Profile name*	WAP Profile Name (Unique Name)	Press  or  to highlight "Profile name" and press  to select. Enter the desired strings and press  .
Gateway address*	IP address of WAP gateway	Press  or  to highlight "Gateway address" and press  to select. Enter IP address in "000.000.000.000" format and press  .
Homepage	Homepage	Press  or  to highlight "Homepage" and press  to select. Enter Homepage URL, if needed, and press  .
Port number*	Port number of WAP gateway	Press  or  to highlight "Port number" and press  to select. Enter Port Number (0-65535) and press  .

Item	Description	Operation
Circuit prompt	Circuit Prompt	Press  or  to highlight "Circuit prompt" and press  to select. Press  or  to highlight "Enable" or "Disable" and press  .
Connection type	Bearer Connection Type	Press  or  to highlight "Connection type" and press  to select. Press  or  to highlight "GPRS then CSD," "GPRS" or "CSD" and press  .























* Items that have to be set.

















Item	Description	Operation
GPRS settings (If “GPRS then CSD” or “GPRS” is selected as connection type, they should be set)		
APN*	Access Point Name	Press  or  to highlight “APN” and press  . Enter Access Point Name and press  .
Username	User Name	Press  or  to highlight “Username” and press  . Enter User Name and press  .
Password	Password	Press  or  to highlight “Password” and press  . Enter Password and press  .
Linger time	Linger Time	Press  or  to highlight “Linger time” and press  . Enter time in seconds (0-99999) and press  .
CSD Settings (If “GPRS then CSD” or “CSD” is selected as connection type, they should be set)		
Phone No.*	Access Point Number	Press  or  to highlight “Phone No.” and press  . Enter Access Point Number and press  .

Item	Description	Operation
Line type	ISDN or Analogue	Press  or  to highlight “Line type” and press  . Press  or  to highlight “ISDN” or “Analogue” and press  .
Username	User Name	Press  or  to highlight “Username” and press  . Enter User Name and press  .
Password	Password	Press  or  to highlight “Password” and press  . Enter Password and press  .
Linger time	Linger Time	Press  or  to highlight “Linger time” and press  . Enter time in seconds (0-99999) and press  .























* Items that have to be set.

MMS Settings

Item	Description	Operation
Profile name*	MMS Profile Name (Unique Name)	Press  or  to highlight "Profile name" and press  . Enter the desired strings and press  .
Relay server URL*	MMS Relay Server	Press  or  to highlight "Relay server URL" and press  . Enter URL of the Relay server and press  .
Gateway address*	IP address	Press  or  to highlight "Gateway address" and press  to select. Enter IP address in "000.000.000.000" format and press  .
Port number*	Port number of WAP gateway	Press  or  to highlight "Port number" and press  . Enter Port Number (0-65535) and press  .
Connection type	Bearer Connection Type	Press  or  to highlight "Connection type" and press  . Press  or  to highlight "GPRS then CSD," "GPRS" or "CSD" and press  .

Item	Description	Operation
GPRS Settings (If "GPRS then CSD" or "GPRS" is selected as connection type, they should be set)		
APN*	Access Point Name	Press  or  to highlight "APN" and press  . Enter Access Point Name and press  .
Username	User Name	Press  or  to highlight "Username" and press  . Enter User Name and press  .
Password	Password	Press  or  to highlight "Password" and press  . Enter Password and press  .
Linger time	Linger Time	Press  or  to highlight "Linger time" and press  . Enter time in seconds (0-99999) and press  .

* Items that have to be set.

Item	Description	Operation
CSD Settings (If “GPRS then CSD” or “CSD” is selected as connection type, they should be set)		
Phone No.*	Access Point Number	Press  or  to highlight “Phone No.” and press  . Enter Access Point Number and press  .
Line type	ISDN or Analogue	Press  or  to highlight “Line type” and press  . Press  or  to highlight “ISDN” or “Analogue” and press  .
Username	User Name	Press  or  to highlight “Username” and press  . Enter User Name and press  .
Password	Password	Press  or  to highlight “Password” and press  . Enter Password and press  .
Linger time	Linger Time	Press  or  to highlight “Linger time” and press  . Enter time in seconds (0-99999) and press  .

* Items that have to be set.

E-mail Settings

Item	Description	Operation
Profile name*	E-mail Profile Name (Unique Name)	Press \odot or \odot to highlight "Profile name" and press \odot . Enter the desired strings and press \odot .
E-mail address	E-mail address	Press \odot or \odot to highlight "E-mail address" and press \odot . Enter E-mail address.
POP3 server	POP Account Settings	Press \odot or \odot to highlight "Server name," "User ID," "Password," or "Port number" and press \odot . Enter each item for the account.
SMTP server	SMTP Account Settings	Press \odot or \odot to highlight "Server name" or "Port number" and press \odot . Enter each item for the account.
Download size	E-mail size for reception	Press \odot or \odot to highlight "Header only" or "10kB" and press \odot .

Item	Description	Operation
POP before SMTP	POP account authentication before sending mail	Press \odot or \odot to highlight "On" or "Off" and press \odot .
Primary DNS	IP Address of Primary Domain Name System (Server)	Press \odot or \odot to highlight "Primary DNS" and press \odot . Enter IP address in "000.000.000.000" format and press \odot .
Secondary DNS	IP Address of Secondary Domain Name System (Server)	Press \odot or \odot to highlight "Secondary DNS" and press \odot . Enter IP address in "000.000.000.000" format and press \odot .
Connection type	Bearer Connection Type	Press \odot or \odot to highlight "Connection type" and press \odot . Press \odot or \odot to highlight "GPRS then CSD," "GPRS" or "CSD" and press \odot .
GPRS Settings (If "GPRS then CSD" or "GPRS" is selected as connection type, they should be set)		

* Items that have to be set.
























Item	Description	Operation
APN*	Access Point Name	Press or to highlight “APN” and press . Enter Access Point Name and press .
Username	User Name	Press or to highlight “Username” and press .
Password	Password	Press or to highlight “Password” and press .
Linger time	Linger Time	Press or to highlight “Linger time” and press .
CSD Settings (If “GPRS then CSD” or “CSD” is selected as connection type, they should be set)		
Phone No.*	Access Point Number	Press or to highlight “Phone No.” and press .

Item	Description	Operation
Line type	ISDN or Analogue	Press or to highlight “Line type” and press .
Username	User Name	Press or to highlight “Username” and press .
Password	Password	Press or to highlight “Password” and press .
Linger time	Linger Time	Press or to highlight “Linger time” and press .




* Items that have to be set.

To setup your account information

Your Internet Service Provider supplies you with account information. Please contact your service provider for details.






- 1** Press .
The main menu appears.
- 2** Press , ,  or  to highlight "Settings" and press .
- 3** Press  or  to highlight "Account settings" and press .
- 4** Press  or  to highlight "WAP settings," "MMS settings" or "E-mail settings" press .
- 5** Press  or  to highlight the profile name you wish to edit and press  [Options] to display the Options menu.
- 6** Press  or  to highlight "Edit" and press  or  [Select] to select.
- 7** Press  or  to highlight the item you wish to edit and press  to select.
- 8** Edit each item.
- 9** When you have finished editing, press  [Save].

To select the network connection profile

- 5** After step 4 of "To set up your account information", press  or  to highlight the profile name you wish to use and press .

Automatic Setting

Some of service provider supplies settings information. You may receive "Settings" event on "Missed event" screen.

- 1** At the main menu, select in the following order:
"Account settings" → "Received settings."
Update settings message appears.
- 2** Press  [OK].
Either or all of WAP/MMS/E-mail profile list appear(s).
- 3** Press  or  to highlight the setting you wish to change with received data and press .
Repeat the same procedure for a "WAP profile," an "MMS profile" and an "E-mail profile" if necessary.
- 4** When you have finished, press  [OK].



You can choose "Settings" on "Missed event" screen instead of step 1. "Cancel" can be chosen when you do not wish an automatic setup.

Customising Keys

While the handset is in standby mode, four Navigation keys (⬆, ⬇, ⬅, and ➡) and side-up/down keys (⬆ and ⬇) are available for assigning shortcuts for directly accessing the screens shown below, and you can also change the paths among the screens listed below.

Screens:

Contacts list (default ⬇ setting)

Add contacts

Profiles (default ⬅ setting)

Calendar (default ⬆ setting)

Downloads (default ⬅ setting)

Alarm

Calculator

Voice mail

Wallpaper

Ringtone

Create SMS

Create MMS

Create E-mail

SMS Inbox

MMS Inbox

E-mail Inbox

Internet

Create picture

Create video

Memo recording

My pictures (default ⬆ setting)

My videos (default ⬇ setting)

My sounds
















My numbers

Earpiece volume

Earpiece volume down

No select

Changing the Shortcuts













- 1** Press .
The main menu appears.
- 2** Press , ,  or  to highlight "Settings" and press .
- 3** Press  or  to highlight "Favourites settings" and press .
- 4** Press  or  to select the key whose shortcut you wish to change and press .
- 5** Press  or  to highlight the shortcut you wish to assign and press .
- 6** Repeat steps 4 and 5, if necessary.



If you select "Not used" in step 5, the key will be deactivated.

Master Reset

These steps enable you to cancel all the settings to default. Special caution needs to be paid before you do the master reset. If you wish to retain settings for some modes or menus, write them down before performing the reset.

- 1** Press .
- 2** Press , ,  or  to highlight "Settings" and press .
- 3** Press  or  to highlight "Master reset" and press .
- 4** Enter your handset code and press .
- 5** Press  [Yes].
To cancel, press  [No] in this step.



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

Connecting to a PC

You can use your handset with other digital equipment that use an infrared or USB port*. For a PC, the required system environment is as follows:

PC Hardware

- CPU-Pentium 266MHz or faster
- Dynamic Memory Size 64MB or above
- Minimum Disk Space 60MB free space
- CD-ROM drive

Operating System

Microsoft®, Windows® 98+Service Pack 1/98 Second Edition/ME/2000+Service Pack 4/XP+Service Pack 1

Interface

- USB 1.1
- IrDA 1.2



For further details on the system, operations or functions, refer to the operation manual for the PC link software in the supplied CD-ROM.

- * Requires an optional USB cable (CE-UC30) for USB port connection.

GSM/GPRS Modem

The GSM/GPRS modem in your handset enables digital equipment to access the Internet.

Handset Manager

“Handset Manager” is the software that enables you to manage the communication between the handset and a PC. Using this software, you can control the transmission of pictures, sounds, video clips, and “Contacts List” entries.

Installing Software

The USB cable is necessary for installing the software.

- 1 Insert the supplied CD-ROM into the PC's CD-ROM drive.

The CD-ROM screen appears.

If the CD-ROM screen does not appear, double-click [Launcher.exe] in your CD-ROM.

- 2 Follow the on-screen instructions to complete the installation of the three programs in order.



- *For Windows 2000 Professional and Windows XP, install/uninstall programs after logging on as the Administrator.*
- *Connect the handset to the USB cable by following the on-screen instructions.*

For more information on software support, refer to the following site:

<http://www.sharp-mobile.com/>



It is not recommended that you make or answer calls when using the handset as a GSM/GPRS modem, as the operation may be interrupted.

Connecting the Handset

You can connect your handset to digital equipment that use an infrared or USB port.



When connecting your handset to a PC, you need to select the connection method for PC link. For information on PC Link, refer to "Setting a PC Link Connection" on page 15-142.

Infrared Communication


Data can be exchanged using the infrared ports.

- 1 Run the software (Handset Manager).
- 2 Align the infrared ports.
The infrared ports need to be within 20 cm and 30° angle of each other.
It is not recommended that you make or answer calls during data transmission, as the operation may be interrupted.




- *To transmit data via the infrared port, you need to set the infrared settings to "On." For information on the setting, refer to "Setting Infrared Communications" on page 15-142.*
- *Using infrared communication will affect talk time and standby as well as increase battery consumption.*
- *The angle and distance between infrared ports shown in the illustration are just a guide. The actual angle and distance may differ depending upon the operating environment.*

Troubleshooting

Symptom	Check Points
The handset does not turn on.	<ul style="list-style-type: none">● Is the battery properly inserted? (page 3-12)● Is the battery empty? If the alert sounds and you are unable to turn on the power, charge the battery. (page 3-14)● Did you press  for at least 2 seconds to turn on the handset? (page 3-15)
The battery will not charge.	<ul style="list-style-type: none">● Is the battery pack properly inserted? (page 3-12)● Is the handset properly attached to the battery charger? (page 3-14)● Is the AC charger terminal dirty? (Clean the terminal with a cotton swab.)● Does the Indicator LED turn red when you are charging the battery?● Did a blackout occur while charging the battery?● If you have tried all of the above, and the battery does not charge, replace the battery. If it still does not charge, there may be a problem with the handset or AC charger. Contact your service provider for maintenance.

Symptom	Check Points
Even when charged, the phone functions stop working.	<p>Is the SIM card inserted correctly? (page 3-14)</p> <ul style="list-style-type: none">● Is there a message “SIM Card Error” on the display? (If the message is displayed when turning on the handset, the SIM card is not supported or is damaged. Contact your service provider.)
Calls cannot be made or received.	<ul style="list-style-type: none">● Has any call barring option been set? (page 15-149)● Has the “Fixed Dialing No.” been turned on? (page 15-151)● Is the handset currently performing data communication? (page 16-162)● Are you using a pre paid SIM card? (Check the remaining balance.)

Symptom	Check Points
Calls are interrupted or cut off.	<ul style="list-style-type: none"> ● Are you in a location where the signal is poor? (Check the  indicator and see if the service is out of range. Move to a location where the radio signal is strong enough to make a call.) ● Is the battery empty? (page 3-15) ● Are there any magnetised objects such as health necklaces on or around you? (Around the object, the handset terminates the call. Keep the handset away from such objects.)
Keys do not operate.	<ul style="list-style-type: none"> ● Is the power turned on? (page 3-15) ● Has the “Auto Keypad Lock” been turned on? (page 15-127) ● Has the “Handset Lock” been turned on? (page 15-148)
The other party’s voice is too loud or distorted.	Adjust the earpiece volume. (page 15-136)
The ring tone does not sound.	<ul style="list-style-type: none"> ● Has the ring volume been set to “Silent?” (page 15-128) ● Has the “Silent” or “In car” mode been enabled? (page 15-128)

Symptom	Check Points
The PIN code or PIN2 code is rejected.	<ul style="list-style-type: none"> ● Did you enter the correct code (4 to 8 digits)? (page 3-16) ● Have you made 3 unsuccessful attempts at entering the code? (After 3 attempts, the protection lock prevents handset operation.) ● If you cannot remember the correct PIN code, contact your service provider.
The SIM card is locked.	If supported, try entering the PUK code (8 digits) provided by your service provider. (If the attempt is successful, enter the new PIN code and confirm your handset is operational again. Otherwise contact your dealer.)
The display is difficult to read.	Try adjusting the backlight brightness for the display. (page 15-124)
The network service cannot be accessed.	<ul style="list-style-type: none"> ● Confirm whether your account has been registered. (Contact your service provider to confirm whether your account has been registered.) ● Are you in a location where you can receive the service?

Symptom	Check Points
The MMS service cannot be accessed.	Does your service provider support the MMS service? Contact your service provider to confirm whether they support the service and that the correct settings for the MMS service have been performed on your handset.
The E-mail service cannot be accessed.	Have you made the necessary settings for the E-mail service? (page 11-78) If you still cannot get access after checking the settings, contact your service provider to identify the problem.
No "Contacts List" entries are displayed.	<ul style="list-style-type: none"> ● Which memory did you select when you entered the entries? Confirm whether the Handset or SIM memory was used. (page 9-49) ● Have you set the "View Groups" setting correctly? (page 9-58)