

N500i_BT_v1.0_English_master

Software version: None

Personalization version: None

Emergency Services and Safety Precautions

Emergency Services

To make an emergency call in any country

Press 1 1 2 .

Ask the operator for the service which you require: Police, Ambulance, Fire Brigade, Coastguard or Mountain Rescue Services. Give your position and, if possible, remain stationary to maintain phone contact.

The 112 emergency number service is available on every digital network service. The number 999 is an alternative emergency number for the UK only, and can only be used with a valid SIM card.

 Due to the nature of the cellular system, the success of emergency calls cannot be guaranteed.

General Care

A cellphone contains delicate electronic circuitry, magnets, and battery systems. You should treat it with care and give particular attention to the following points.

- Do not allow the phone or its accessories to come into contact with liquid or moisture at any time.
- Do not place anything in the folded phone.
- Do not expose your phone to extreme high or low temperatures.
- Do not expose your phone to naked flame, cigars or cigarettes.
- Do not paint your phone.
- Do not drop or subject your phone to rough treatment.
- Do not place the phone alongside computer disks, credit cards, travel cards and other magnetic media. The information contained on disks or cards may be affected by the phone.
- Do not leave the phone or the battery in places where the temperature could exceed 60°C; e.g. on a car dashboard or on a window sill, behind glass in direct sunlight, etc.
- Do not remove the phone's battery while the phone is switched on.
- Take care not to allow metal objects, such as coins or key rings, to contact or short-circuit the battery terminals.
- Do not dispose of battery packs in a fire. Your phone's Li-ion batteries may be safely disposed of at Li-ion recycling points. For more specific battery and power supply information, see page 3.
- Do not put your phone's battery in your mouth as battery electrolytes may be toxic if swallowed.
- Do not attempt to dismantle the phone or any of its accessories.
- This equipment is fitted with an internal battery that can only be replaced by a qualified service engineer. There is a risk of explosion if the battery is replaced by an incorrect type. Dispose of the used battery in accordance with the manufacturer's instructions.
- Using any battery pack, AC adapter or Vehicle power adapter (option) not specified by the manufacturer for use with this phone creates a potential safety hazard.
- The earpiece may become warm during normal use and the unit itself may become warm during charging.

- Use a damp or anti-static cloth to clean the phone. Do NOT use a dry cloth or electrostatically charged cloth. Do not use chemical or abrasive cleaners as these could damage the case.
- Remember to recycle: the cardboard packaging supplied with this phone is ideal for recycling.
- Do not leave the battery pack empty or disconnected for a long time, otherwise some data may be initialized.
- Your phone contains metal which may cause you an itch, a rash or eczema depending on your constitution or physical condition.
- Take care not to put your phone in the back pocket of your trousers or skirt and then sit on it. Also, do not put your phone at the bottom of bag where it may subject to excessive weight or pressure.
Doing so may damage the LCD and camera lens and cause them malfunction.
- Take care not to hold the Light too close to your or other people's eyes when the Light is lit.
- Do not aim or direct the InfraRed (IR) data port towards your or other people's eyes when using the IR data exchange.
- The foam covers the earpiece of the headset. Do not put any other part of the headset in your ears.

Aircraft Safety

- Switch off your phone and remove its battery when inside or near aircraft. The use of cellphones in aircraft is illegal. It may be dangerous to the operation of the aircraft and it may disrupt the cellular network. Failure to observe this instruction may lead to suspension or denial of cellphone service to the offender, or legal action, or both.
- Do not use your phone on the ground without the permission of the ground crew.

Hospital Safety

- Switch off your phone in areas where the use of cellphones is prohibited. Follow the instructions given by the respective medical facility regarding the use of cellphones on their premises.

General Safety

- Observe 'Turn off 2-way radio' signs, such as those near stores of fuel, chemicals or explosives.
- Do not allow children to play with the phone, charger or batteries.
- Small parts are included in your phone. Keep them out of reach of small children, for whom it could be a choking hazard.
- The operation of some medical electronic devices, such as hearing aids and pacemakers, may be affected if a cellphone is used next to them. Observe any warning signs and manufacturer's recommendations.
- If you have a weak heart, you should take extra precautions when setting functions such as the Vibrator and Ringer volume functions for incoming calls.
- If you set the Vibrator setting to anything other than OFF, be careful that the phone is not near a source of heat (e.g. a heater) and that it does not fall from a desk due to the vibration.

Road Safety

- You MUST exercise proper control of your vehicle at all times. Give full attention to driving.
- Observe all the recommendations contained in your local traffic safety documentation.
- Pull off the road and park before making or answering a call if driving conditions so require.

- You MUST NOT stop on the hard shoulder of a motorway to answer or make a call, except in an emergency.
- Switch off your phone at a refuelling point, such as a petrol station, even if you are not refuelling your own car.
- Do not store or carry flammable or explosive materials in the same compartment where a radio transmitter, such as a cellphone, is placed.
- Electronic vehicle systems, such as anti-lock brakes, speed control and fuel injection systems are not normally affected by radio transmissions. The manufacturer of such equipment can advise if it is adequately shielded from radio transmissions. If you suspect vehicle problems caused by radio transmissions, consult your dealer and do not switch on your phone until it has been checked by qualified approved installers.

Vehicles Equipped with an Air Bag

An air bag inflates with great force. Do not place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Third Party Equipment

The use of third party equipment, cables or accessories, not made or authorized by NEC, may invalidate the warranty of your cellphone and also adversely affect the phone's operation. For example use only the NEC mains cable supplied with the AC charger.

Service

The cellphone, batteries and charger contain no user-serviceable parts. We recommend that your NEC cellphone is serviced or repaired by an NEC authorized service centre. Please contact your Service Provider or NEC for advice.

Non-Ionizing Radiations

The radio equipment shall be connected to the antenna via a non-radiating cable (e.g. coax).

The antenna shall be mounted in a position such that no part of the human body will normally rest close to any part of the antenna unless there is an intervening metallic screen, for example, the metallic roof.

Use only an antenna that has been specifically designed for your phone. Use of unauthorized antennas, modifications or attachments could damage your phone and may violate the appropriate regulations, causing loss of performance and radio frequency (RF) energy above the recommended limits.

Efficient Use

For optimum performance with minimum power consumption, note the following:

- Your phone has the internal antenna. Do not cover part of the internal antenna of the phone with your hands. This affects call quality, may cause the phone to operate at a higher power level than needed and may shorten talk and standby times.

Radio Frequency Energy

Your phone is a low-power radio transmitter and receiver. When it is turned on, it intermittently receives and transmits radio frequency (RF) energy (radio waves). The system that handles the call controls the power level at which the phone transmits.

Exposure to Radio Frequency Energy

Your phone is designed not to exceed the limits for exposure to RF energy set by national authorities and international health agencies. * These limits are part of comprehensive guidelines and establish permitted levels of radio wave exposure for the general population. The guidelines were developed by independent scientific organizations such as ICNIRP (International Commission on Non-Ionizing Radiation Protection) through periodic and thorough evaluation of scientific studies. The limits

include a substantial safety margin designed to assure the safety of all persons, regardless of age and health, and to account for any variations in measurements.

- Examples of radio frequency exposure guidelines and standards that your phone is designed to conform to:

- ICNIRP, "Guidelines for limiting exposure to time-varying electric, magnetic, and electromagnetic fields (up to 300 G Hz)-International Commission on Non-Ionizing Radiation Protection (ICNIRP)". *Health Physics*, vol. 74, pp. 494-522, April 1998.
- 99/519/EC Council Recommendation on the limitation of exposure to the general public to electromagnetic fields 0 Hz-300 GHz, *Official Journal of the European Communities*, July 12, 1999.
- ANSI/IEEE C95.1-1992. "Safety levels with respect to human exposure to radio frequency electromagnetic fields, 3kHz to 300 GHz". The Institute of Electrical and Electronics Engineers Inc., New York, 1991.
- FCC Report and Order, ET Docket 93-62, FCC 96-326, *Federal Communications Commission* (FCC), August 1996.
- Radio communications (Electromagnetic Radiation Human Exposure) Standard 1999, Australian Communications Authority (ACA), May 1999.

Declaration of Conformity

- This product complies with the requirements of the R&TTE Directive 1999/5/EC. The 'Declaration of Conformity' leaflet can be found within this box.

Disposing of your used NEC product



In the European Union

EU-wide legislation as implemented in each Member State requires that used electrical and electronic products carrying the mark (left) must be disposed of separately from normal household waste. This includes mobile telephones or electrical accessories, such as chargers or headsets. When you dispose of such products, please follow the guidance of your local authority and/or ask the shop where you purchased the product. The mark on the electrical and electronic products only applies to the current European Union Member States.

Outside the European Union

If you wish to dispose of used electrical and electronic products outside the European Union, please contact your local authority and ask for the correct method of disposal.

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For the purpose of improvement, the specifications for this product and its accessories are subject to complete or partial change without prior notice.

KMP6J1BJ1 SAR/DoC

Radio Frequency (RF) Signals(900/1800MHz)

THIS NEC PHONE (MODEL KMP6J1BJ1) COMPLIES WITH THE EU REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your mobile phone is a radio transceiver, designed and manufactured not to exceed the SAR* limits** for exposure to radio-frequency (RF) energy, which SAR* value , when tested for compliance against the standard was (TBD)W/kg. While there may be differences between the SAR* levels of various phones and at various positions, they all meet*** the EU requirements for RF exposure.

*The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR.

**The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue, recommended by The Council of the European Union. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

*** Tests for SAR have been conducted using standard operating positions 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 base station antenna, the lower the power output.

Radio Frequency (RF) Signals(1900MHz)

THIS NEC PHONE (MODEL KMP6J1BJ1) COMPLIES WITH THE USA REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone contains a radio transmitter and receiver. Your NEC phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U. S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.

The 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 accepted 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 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 on position and locations (for example, at the ear and worn on the body) as required by FCC

for each model. The highest SAR value for this model phone as reported to the FCC when tested for use at the ear is (TBD) W/ kg, and when worn on the body, is (TBD) W/ kg. (Body- worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

* In the United States, the SAR limit for wireless mobile phones used by the public is 1.6 watts/ kg (W/ kg) averaged over one gram of tissue. SAR values may vary depending upon national reporting requirements and the network band.

Body- worn Operation

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section at <http://www.fcc.gov/oet/fccid> after search on A98-KMP6J1BJ.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with a NEC accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Before You Start

User's manual conventions

The instructions in this user's manual make use of the shortcuts selection except special cases.

The following markers are used throughout the user's manual to attract your attention:

 This type of paragraph will contain details of where to find information related to the topic in question.

 This type of paragraph will contain information worth noting.

 **This type of paragraph will contain important information.**

 This type of description will contain procedures to operate your phone.

Menu shortcuts selection

The alternative shortcuts method of selection lets you jump straight to a menu or function without highlighting an icon and scrolling through the intermediate menu options. The selection is made by pressing numbers which relate to the displayed menu options.

 The instructions in this user's manual make use of the shortcuts selection, except in special cases.

Reading the titles

Some titles in this manual contain information on how to access the functions. In these titles, **M** stands for  , the numbers indicate the menu shortcut numbers (see "Overview of menu function" on page xi for details) and ... (three periods) indicate that there are more operations described in the paragraph.

Reading the procedures

"Highlight" means to use the four way navigation keys (   ) to move the area emphasized with different colouring.

"Select" means to highlight an item and then press  .

Procedures are written omitting the verb "press", except in some special cases.

For example,  1 2 means to:

- Start from the standby screen → Press  to display the Main menu screen
- Press 1 to display the Settings screen → Press 2 to display the Phone modes screen

Simple procedures are connected by arrows ().

Check box/Radio button

A check box enables/disables an option out of a set of options, and multiple check boxes can be selected at the same time. On the other hand, selecting a radio button automatically cancels the previous selection, so only one radio button can be selected at one time.

A check box/radio button option can be selected/cancelled by highlighting it and pressing  .

Desktop icon area

This area contains the automatically displayed and the manually created desktop icons. They provide shortcuts to certain items/functions.

Help area

This area contains help information appropriate for the current screen (e.g. key presses remaining when composing a message).



Status bar area

This area contains icons which indicate the battery strength, new SMS/MMS message(s), signal strength, etc. (see page viii). On screens other than the standby screen, the clock display is placed in this area.

SK1/SK2

This area contains context sensitive descriptions of the Softkeys' functions appropriate for the current screen.

Menu title

Settings



Shortcut menu number

The current menu number is displayed.

Page scroll bar

Displayed when you can press ▲ to scroll to the next page.

Next menu icon

Displayed when you can press ► or the shortcut number to show the next menu.

Shortcut number

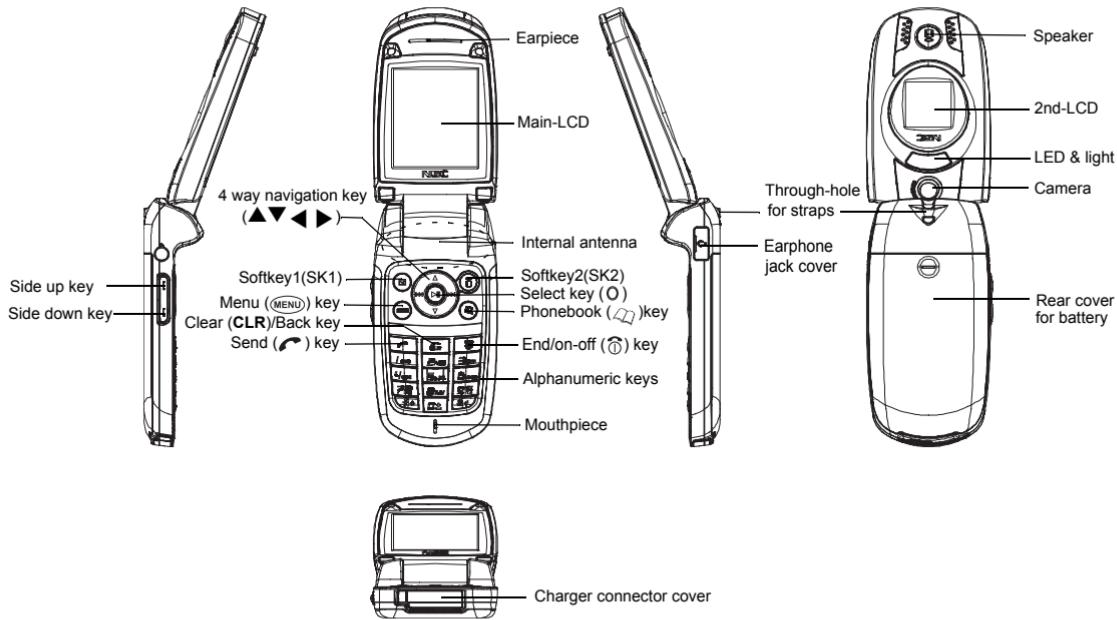
Press the appropriate number to jump straight to a next menu. The row colour is changed when selected (e.g. to activate/deactivate a facility).

Help icons

Displayed when you can use the key represented by these icons (see page viii).



The Liquid Crystal Displays (LCD) on your phone are manufactured using high-precision technology. Even so, the LCD may contain pixels (dots) that fail to light or that remain permanently lit. Note that this is normal and does not indicate a problem with your display.



 Be careful not to put your finger or foreign objects in the hinge of the phone when your phone is opened.

Keypad shortcuts

The following operations are available from the standby screen.

Key	Operation that involves pressing a key	See page	Operation that involves pressing and holding a key	See page
	Accessing the Main menu screen	xi	Setting/Cancelling the Side key lock	20
SK1	Accessing the Mail screen	43	Accessing the Inbox screen	43
SK2	Accessing the i-mode menu screen	39	Accessing the Java™ applications screen	67
	Accessing the Phonebook list screen	48	Accessing the Message screen	27
	Accessing the Phone modes screen	21	Setting the phone to Meeting mode/Returning to the previous mode	21
	Accessing the My data screen	60	Accessing the voice recall	8
	Accessing the received calls list	11	–	–
	Accessing the missed calls list	11	–	–
	Accessing the dialled calls list	11	–	–
	Highlighting a desktop icon	19	Accessing the homepage	40
	Ending a call or returning to the standby screen	–	Powering off	5
	Cancelling the Cell Broadcast message display	33	Deleting all the automatically displayed desktop icons	18
	Deleting character or returning to the previous screen	–	Deleting all characters when you enter text	–
1	Entering phone numbers	5	Calling the Voice mail centre	54
2 to 9	Entering phone numbers	5	One-touch dial to the corresponding number in the phonebook(SIM)	7
0	Entering phone numbers	5	Entering + when you make an international call	14
#	Entering #	5	Entering a pause	–
*	Entering *	5	Switching the ALS line 1/2 (if the SIM card supports ALS)	20
Side up	Accessing the volume control screen when your phone is open (Use ▲ ▼ , Side keys or 0 to 9 keys to adjust the volume.)	20	Accessing the camera view finder screen	55
	Activating the ring silencer function when you receive a call	20		
Side down	Accessing the volume control screen when your phone is open (Use ▲ ▼ , Side keys or 0 to 9 keys to adjust the volume.)	20	Turning on the light (To turn it off, press any key or open/close your phone.)	–
	Activating the ring silencer function when you receive a call	20		

LCD and displayed icons

Main-LCD



1 Indicates the battery level.

Indicates the battery charging status (fast, slow, stop).

2 Indicates that there is a new SMS in your phone.

Indicates that there is a new SMS on the network.

Indicates that the SIM memory is full.

Indicates that the Inbox in your phone is full.

3 Indicates that there are mail and MMS on the server.

Indicates that there is a new mail/MMS in your phone.

4 This yellow icon blinks while a mail/MMS is being downloaded.

5 Indicates that the memory for mail/MMS is full.

6 Indicates that new voice mail messages are on the network (No ALS or ALS Line 1/ALS Line 1 and 2/ALS Line 2).

7 Indicates secured communication on WTLS in i-mode browsing.

8 Indicates that your phone is connected to a GPRS/EDGE modem such as PC.

9 Indicates that the phone is in the GSM (Global System for Mobile communication) network service area and GPRS/EDGE is active.

10 Indicates that the GPRS/EDGE is available and i-mode (PDP Context) is active.

11 Indicates that the i-mode connection is carried out.

12 Indicates that the i-mode lock is on.

13 No icon appears for the Normal mode.

14 Indicates sound-off, vibrator-on, sound-off/vibrator-on.

15 Indicates alarm-on.

16 Indicates the auto start of a Java™ application has failed.

17 Indicates that the ALS line 1 or 2 is unencrypted/no ALS.

18 Indicates the signal strength level.

19 Appears when you are outside the service area.

20 Network name (indicated in orange when using roaming service)

21 Desktop icons
See "Desktop icons" on page 18 for details

22 Indicates the call diversion is set.

23 Indicates the Meeting mode, Pocket mode, Car mode.

24 No icon appears for the Normal mode.

25 Indicates sound-off, vibrator-on, sound-off/vibrator-on.

26 Indicates alarm-on.

27 Indicates the auto start of a Java™ application has failed.

28 Date

29 Day of week

30 Remote time

31 Local time

32 Indicates that you can use the options menu by pressing **MENU**.

33 Indicates that you can use the phonebook list by pressing **☎**.



Indicates the usable keys in black, while using i-mode or a Java™ application is in operation.



Indicates that the help display is available by pressing

 when using SIM toolkit.


Indicates that a Java™ application is in operation.

<When the camera/video view finder is in operation>



Indicates single/burst mode (camera).



Indicates the video mode is on or the video is recording.



Indicates that the self timer is on.



Indicates the quality of the picture (super fine, fine, normal, economy or super economy).



Indicates the quality of the video.



Indicates the photo/video screen size.



Indicates the shooting environment.



Indicates the brightness setting. The "+2" setting is the brightest.



Indicates the zoom level.

<When the video player is in operation>



Indicates the video is playing, on pause, stopped.



Indicates the progressive download.

 The progressive download icon blinks while buffering, pausing, or stopping the download.


Indicates that your phone is connected to a GPRS/EDGE modem such as PC.



(gray)

Indicates that the phone is in the GSM (Global System for Mobile communication) network service area and GPRS/EDGE is active.



(yellow)

Indicates that the GPRS/EDGE is available and i-mode (PDP Context) is active.



Indicates the video is played in normal/enlarged screen size.



Displays the current volume level. The 0 is mute and 9 is the maximum.

<When the streaming video player is in operation>



Indicates the video is playing, on pause, stopped.



Indicates the video type is On-demand or Live



(green, yellow, red)

Indicates the amount of buffered data. (Green indicates more than 70 % of data is buffered, yellow indicates less than 70 %, red indicates less than 30 %.)



Indicates that your phone is connected to a GPRS/EDGE modem such as PC.



(gray)

Indicates that the phone is in the GSM (Global System for Mobile communication) network service area and GPRS/EDGE is active.



(yellow)

Indicates that the GPRS/EDGE is available and i-mode (PDP Context) is active.



Indicates the video is played in normal/enlarged screen size.



Displays the current volume level. The 0 is mute and 9 is the maximum.

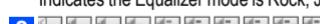
<When the Music player/MP3 player is in operation>



Indicates the repeat mode is Repeat all, Repeat one.



Indicates the Equalizer mode is Rock, Jazz, Pop.

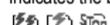


Displays the current volume level. The 0 is mute and 9 is the maximum.

2nd-LCD



Indicates the battery level.



Indicates the battery charging status (fast, slow, stop).



Indicates that there is a new SMS in your phone.



Indicates that there is a new SMS on the network.



Indicates that the SIM memory is full.



Indicates that the Inbox in your phone is full.

3



Indicates that there are mail and MMS on the server.



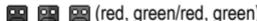
Indicates that there is a new mail/MMS in your phone.

This yellow icon blinks while a mail/MMS is being downloaded.



Indicates that the memory for a mail/MMS is full

4



Indicates that a new voice mail message is on the network (No ALS or ALS Line 1/ALS Line 1 and 2/ALS Line 2).

5



Indicates the Bluetooth is on, Bluetooth is in active.

6



Indicates the signal strength level.



Appears when you are outside the service area.

7



Indicates that the phone is in the Meeting/Pocket/Car mode.

No icon appears for the Normal mode.

Indicates the battery level.

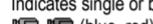


Indicates the battery charging status (fast, slow, stop).

9



Indicates single or burst mode of the camera.



Indicates that the video mode is on or the video is recording.

10



Indicates the photo/video screen size.

11



Indicates that the self timer is on.

<When the Music player/MP3 player is in operation>

2



Indicates the player is playing, stopped.

3

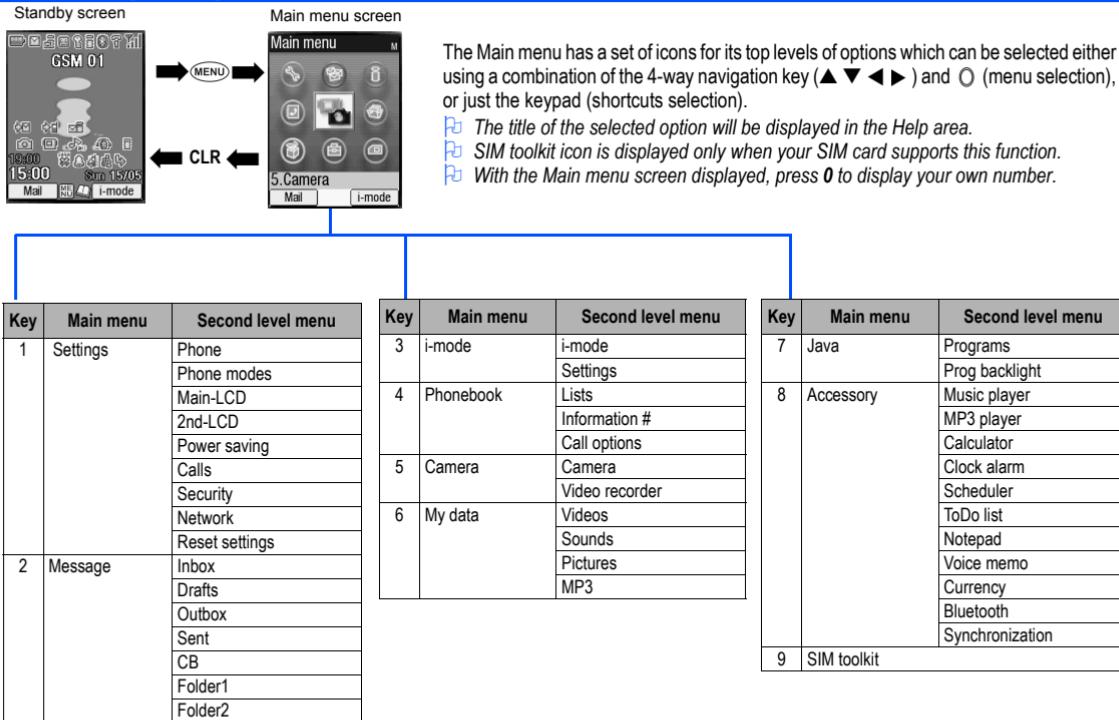


Indicates the repeat mode is Normal, Repeat all, Repeat one.

<When 2nd-LCD is used as the camera view finder screen>



Overview of menu function



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Emergency Services and Safety Precautions

i

Before You Start

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Getting Started

1

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Preparing the phone

Before trying to use your phone, make sure that a valid Subscriber Identity Module (SIM) card is inserted and the battery is charged.

SIM card

Before using your phone, you must sign-up with one of the digital network service providers. In addition to your subscription details you will receive a personal SIM (Subscriber Identity Module) card which is inserted into your phone.

If the SIM card is removed, the phone becomes unusable until a valid SIM card is fitted. It is possible to transfer your SIM card to another compatible phone and resume your network subscription. The screen on your phone will display appropriate messages if no SIM card is fitted.

 **If the phone, or the SIM card, is lost or stolen then you should contact your service provider immediately in order to bar it from use.**

 The phone supports a number of languages and the keyboard symbols have been chosen for world-wide operation.

 The digital technology of your phone helps to ensure that your conversations are kept secure.

 The SIM card contains personal data such as your electronic phonebook, messages (see "Message (M2)" on page 27) and also details of the network services you have subscribed to. The phone will not work (except for emergency calls on some networks) unless a valid SIM card is fitted.

 **Be sure to turn the phone off before inserting and removing a SIM card. Otherwise damage to the SIM card can occur.**

Inserting a SIM card

 **Be sure to turn the phone off before removing the battery pack.**

 While pressing down the areas marked with  of the rear cover as indicated by arrow ①, slide the rear cover about 3 mm in the direction of arrow ② with your finger tip. Then, lift the cover up in the direction of arrow ③ to remove it.

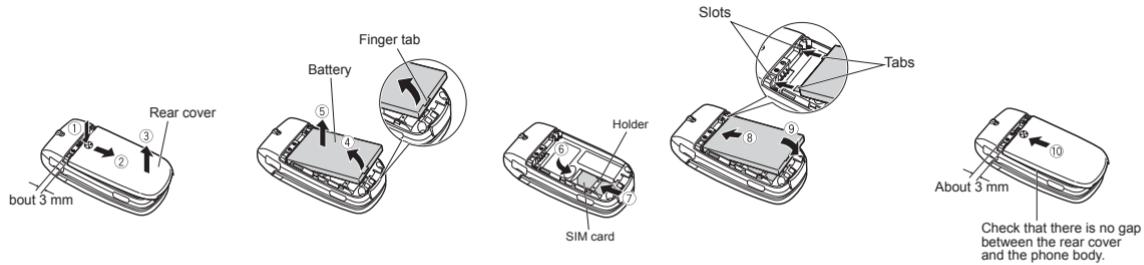
 Lift the finger tab of the battery pack up in the direction of arrow ④. Then lift the battery pack out in the direction of arrow ⑤.

 With the metal part facing down, insert the straight end of the SIM card under the holder in the direction of arrow ⑥. Slide the SIM card all the way until it reaches the end.

 **Be careful not to damage electric parts of the SIM holder when inserting a SIM card.**

 Insert the two tabs on the battery pack into the slots on the phone in the direction of arrow ⑦, making sure that the tabs on the battery pack fit properly into the slots on the phone. Then, press the battery pack down in the direction of arrow ⑧ to clip it into the phone.

 Make sure that the battery pack is securely attached to the phone and align the rear cover with the grooves on the phone so that there is a gap of about 3 mm at the end of the cover. After making sure that there is no gap between the rear cover and the phone body, slide the rear cover in the direction of arrow ⑨ until you hear a click.



 **If the SIM card is not fully inserted when the battery is replaced, damage to the SIM card can occur.**

 If the SIM card is already fitted, see "Start-up" on page 4.

Removing a SIM card

 With the battery removed, push the short and straight end of the SIM card with your thumb to slide it gently in the direction of arrow ⑦ → Lift the SIM card after it is completely removed from the holder.

 **Be careful not to damage electric parts of the SIM holder when removing a SIM card.**

Charging the battery

Before trying to use your phone, insert the phone's battery, and connect the NEC battery charger (AC adapter) supplied with your phone to a suitable mains power socket.

- Pull open the charger connector cover gently.
- Be careful when handling the charger connector cover. Do not pull strongly.**
- With the arrow marks of the charger plug facing up, hold the buttons on both sides of the charger plug with your thumb and index finger.
- Press the buttons as indicated by the arrow marks on the charger plug and insert the plug into the charger connector.

Make sure to insert the charger plug with the arrow marks facing up. Otherwise, damage to the charger connector can occur when disconnecting the charger plug.

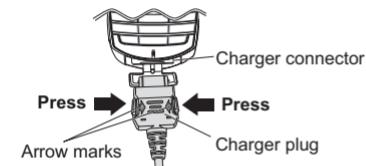
- If your phone is turned on and charging starts, the battery charging icon will be displayed. LED will turn on in red while charging. When charging is complete, the LED will turn off.
- You are recommended to switch off the phone while charging. If you need to receive calls, your phone can be switched on and left in standby while being charged, although the total time taken to charge is then increased.
- After the charging is complete, press the buttons of the charger plug as indicated by the arrow marks on the charger plug (①) and gently pull straight out of the charger connector (②).

Make sure to press both buttons when disconnecting the charger plug from the charger connector. If you pull the charger plug forcibly without pressing the buttons, damage to the charger connector can occur.

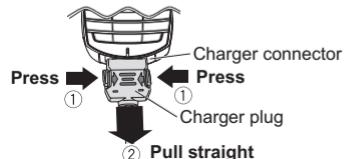
The icons show the charging status of battery.

 Fast battery charging

 Slow battery charging while the phone is in use



Make sure to hold the charger plug with the arrow marks facing up and press both buttons.



Make sure to press both buttons and gently pull the charger plug straight.

Using any battery pack, AC adapter, vehicle power adapter (option) not specified by NEC for use with this phone can be dangerous and may invalidate any warranty and approval given to the cellphone. Do not leave the charger connected to the mains supply when it is not in use.

Do not try to charge the battery if the ambient temperature is below 5°C (41°F) or above 35°C (95°F).

DO NOT connect a charger or any other external DC source until the phone's battery is inserted.

 If the phone does not respond, please wait for a few minutes. The charging will then start.

 If you use the phone while charging, handle the phone carefully since the cable or adapter is connected.

 If you make/receive a call while charging, the charging may temporarily be interrupted.

 Charging takes approximately 3 hours with your phone turned off.

 Even if the phone remains connected to the charger, battery residual capacity may decrease when the phone is used for video recording, playing or other battery consuming operation.

 **Battery charging stopped due to overheat**

IMPORTANT BATTERY CHARGING INFORMATION

Charging a very low battery

The battery's charge continues to drop after the low battery warning is displayed. In extreme cases where the battery is left uncharged for some considerable time after this warning, a trickle charge is used to slowly top-up the battery to the safe level at which the fast charging can begin. The phone can be in trickle charge for a few minutes before the fast charging starts.

Standby and talk times

Your phone works closely with the network you are using to provide the services you need, and the standby and talk times achieved will depend on how you use the phone and choices made by the network operator.

In particular, factors such as your location within the network, the frequency at which this location is updated, the type of SIM card you have, your reception of area messages or cell broadcast messages and the use of full rate or enhanced full rate speech, will affect both standby and talk times.

Checking the battery

 Check icon at the top of the standby screen.

The number of blocks on the icon shows the charge of your battery pack.

 Full battery power

 Partial battery power

 Low battery power

 Battery empty

Low battery alarm

When the battery voltage falls below the working level, a low battery warning is displayed on the screen accompanied by LED illumination and a short tone along with an empty battery icon. The phone will automatically power down shortly afterwards.

 Please charge the battery as much as possible when the battery is very low.

Other battery alarms

Your phone may display warnings when the battery temperature is too high, or the voltage of the battery or the charger is over the appropriate level. Follow the instruction given by these warnings immediately.

Start-up

Switching the phone on

 Hold down  for about a second to switch on. The screen will display the selected greeting (if set, see page 23) and the phone is then in standby.

 You may need to charge the battery before using your phone.

 When your phone is turned on, the specified ringer may sound.

¶ If your phone is accidentally turned off while downloading or deleting Java™ application, it will take longer than usual to start up the phone the next time you turn on the power.

Switching the phone off

- Hold down ☰ until the display shows the switch off message.

PIN code

The SIM card issued by your service provider has a security feature called PIN code protection. The Personal Identification Number (PIN) is a number put on to the card by your service provider, and is 4 to 8 digits long. Some service providers supply SIM cards which will cause your phone to prompt for a PIN code when it is turned on. If this is the case, enter your code with the phone's keypad. If you insert a SIM card other than your own, information such as call logs may be lost (see "Security (M17)" on page 24 for details).

Basic Calls & Phone Use

Making basic calls

You make a simple call in the same way as you would with a normal phone, except that you need to press ↲ after entering the area Subscriber Trunk Dialling (STD) code and the phone number. To make international calls, you must first enter the international dialling code (see page 14).

¶ Use the full STD area code even if you are calling to a person in the same town. If the numbers are too long to be displayed within one line, after pressing ↲, excess part is deleted and '...' is added at its end.

¶ The main-LCD display shows the strength of the radio signal that links your phone to the network. The maximum signal strength is shown by 4 shaded blocks and the minimum signal strength by 1 block.

Starting a call

- Key in the phone number. Check the number on the display → ↲ or **SK1** to send the input number to start the call
- Before the other party answers the call, you can end the call by pressing ☰ briefly, pressing **SK2** or closing your phone. When you use the headset, you can also end the call by pressing and holding the button on it.
- ¶ When connecting a wired headset and Bluetooth headset at the same time, the wired headset will not work.

When the call is sent, the screen displays the number called, the name stored in the phonebook and a connection graphic or a Calling Line Identification (CLI) picture that has been allocated to the number called (see page 52).

Correcting mistakes

Use the ▲ and ▼ to move the cursor and then press **CLR** to clear individual digits, or hold down **CLR** to completely clear a phone number.

Ending a call

- While talking, press **SK2** or **①** briefly, or close your phone. The phone returns to the standby screen.
- If **①** is held down, your phone will turn off.
- When you use the headset, you can also end a call by pressing and holding the button on it.
- When connecting a wired headset and Bluetooth headset, the wired headset will not work.
- You cannot end a call by closing your phone when the headset is connected.

Receiving an incoming call

When someone calls your number, the ringer will play (if set - see page 22), the LED glows in the specified colour, and the phone number of the caller may be displayed if the calling line identification facility is available and the caller has activated the feature. If the caller's phone number has been related and stored in your phonebook with a name and a CLI picture (see page 52), that name and picture will be displayed. If the caller has withheld their identity, the screen will give a message that the caller's number is being withheld. If the origin of the call cannot be determined, no information is displayed on the screen.

- You also have options for holding and forwarding calls. These options depend on your network and your subscription arrangements.

Accepting an incoming call

- While receiving an incoming call, press **②** or **SK1**
- When you use the headset, you can also accept an incoming call by pressing the button on it.
- When connecting a wired headset and Bluetooth headset, the wired headset will not work.
- When Auto answer function (see page 22) is set to on and a headset is connected to the phone, the incoming call is automatically accepted after several rings.
- You can accept an incoming call by opening your phone, when Fold answer function (see page 20) is set to on.
- You can set your phone to answer a call when any key is pressed (see "Any key answer" on page 20).

Rejecting an incoming call

- While receiving an incoming call, press **①** or **SK2** briefly or close your phone.
- When you use the headset, you can also reject an incoming call by pressing and holding the button on it.
- You cannot reject a call by closing your phone when the headset is connected.
- When connecting a wired headset and Bluetooth headset, the wired headset will not work.

If your phone receives a call and you do not answer it, the main-LCD will display a desktop icon of the phone number (or the name if stored) of the caller (if available). If your phone is closed, the 2nd-LCD will also display a missed call icon, and you can display the details by pressing **Side up**. This information is stored in the missed calls list. Up to 20 missed calls are stored in this list.

- If you are making a call, the phone gives priority to receiving a call unless you have already pressed **②**.

⌚ See also: "Call diversion (M161)" on page 12 and "Call waiting and holding (M162)" on page 13.

⌚ See also: "Call options (M43)" on page 10.

Unsuccessful calls

If dialled call is not successfully connected, the display will give an appropriate message.

If your phone has the auto redial function activated, the number will be automatically called again after a short delay (see page 13).

Emergency calls

The standard emergency number of 112 can be used.

➡ Key in 1 1 2 → ↵ or SK1 to connect the call to the local emergency services.

📘 On some networks, emergency calls can be made using the 112 number without a SIM card inserted.

Last number redial

You can redial the last number you called.

➡ Ensure that the standby screen is displayed and no phone number is shown → ↵ twice to dial the last number you called.

⌚ See also: "Call options (M43)" on page 10.

One-touch dial

One-touch dial for the phonebook (SIM) is available by pressing and holding the number keys between 2 and 9.

📘 A number for the One-touch dial corresponds to the location number in the phonebook (SIM).

📘 One-touch dial is available only for the phone numbers with the location number 2 to 9 stored in the phonebook (SIM).

Fast dialling

You can make a call to the phone number in the phonebook (Phone/SIM) with just a few press of button.

To fast-dial the phone number in the phonebook (SIM), use the following procedure:

➡ From the standby screen, key in the Location number of a personal data in the phonebook (SIM). Then, press #. The corresponding personal data is displayed.

➡ ↵ to dial the phone number.

To fast-dial the phone number in the phonebook (Phone), use the following procedure:

- From the standby screen, key in the Abbreviated Dialing Number (ADN) of a personal data in the phonebook (Phone). Then press *****. The corresponding personal data is displayed.
- Use the **►** and **◀** keys to choose the phone number (if there are more than one), then **☞** to dial the phone number.

Displaying your own phone number (M0/M416)

→ **(MENU) 0** or **(MENU) 4 1 6**

Voice recall

You can store up to 10 voice recall recordings which can be allocated to a personal data stored in the phonebook (Phone). To store the voice recall sound, see page 52. To use the voice recall function, use the following procedure:

- Press and hold **▼**
- When you use the headset, you can also activate the voice recall function by pressing and holding the button on it from the standby screen.*
- Within 4 seconds, say the word or words you have recorded to identify the record you wish to recall. If the word or words were recognized, the first phone number of the personal data stored in the phonebook (Phone) will be called automatically.

Options menu (during a call)

- During a call, **(MENU)** to display the options menu

No.	Options menu (during a call)
1	Main menu Displays the Main menu screen. See "Overview of menu function" on page xi for details.
2	Hold/Retrieve Puts the call(s) on hold or retrieves the call(s).
3	Mute/Unmute Mutes or unmutes your voice to all active calls.
4	Transfer call Enables to transfer the call and connect other parties. <i>After transferring the call, your call will be dropped.</i>
5	Add to conference Merges calls and makes a multi-party call.
6	Private call Make a private call to the highlighted party within the multi-party call.
7	Record call Records the call while talking.
8	Disconnect party Disconnects the highlighted party.
9	Switch call to Bluetooth/ Switch call to phone Switches the audio path state of the call. <i>You can also switch call to Bluetooth or phone by pressing and holding #.</i> <i>This option is available only when the Bluetooth device is connected to the phone.</i>

No.	Options menu (during a call)	
0	Bluetooth On	Activates the Bluetooth device.

 Depending on the conditions, some options may be displayed in gray and not be available.

Putting a call on hold

 To put the received or dialled call on hold, **SK1** or  2. To retrieve the call, **SK1** or  2 again.

Mute

You can mute the sound from the mouthpiece during a call. When your call is muted, the other party cannot hear any sound from your phone, but you can still hear the sound from the other party.

 To mute the sound during a call, press  3. To retrieve the sound, press  3 again.

 The mute function is automatically released after the call ends.

Call transfer

When you have an active call and a held call, you can transfer the call and connect the two parties, then you can drop from the line while leaving those two calls active.

 To transfer the call,  4.

 After dropping from the call with the other two parties, if you have a call waiting, you can proceed the call with it.

 Call transfer facility is SIM dependent.

Multi-party calls

If your SIM card is multi-party enabled, you can make a conference call to more than one caller. To create the multi-party calls, at least 3 parties, including the host, are needed.

Receiving the second call

 **SK1** or  to accept the second call → **SK2** or  5 to merge both calls to initiate a multi-party call.

 When you accept the second call, the first call will be put on hold.

Making the second call

 **SK1** to put the first call on hold → Key in the phone number → **SK1** or  to make the second call → After the second participant answers, **SK2** or  5 to merge both calls to initiate a multi-party call.

Putting the multi-party calls on hold

☞ SK1 or **(MENU) 2** to put all calls on hold → To retrieve the call, press **SK1** or **(MENU) 2** again.

☞ You can put the multi-party calls on hold only when you are a host of the multi-party calls.

Making a private call

While on the multi-party call, you can make a private call to a specific party.

☞ To make a private call, highlight the desired party you want to make a private call to → **(MENU) 6**

☞ To end a private call and return to the normal multi-party call → **(MENU) 5**

☞ While you are on a private call, other parties can continue with their conversation.

☞ You can make a private call only when you are a host of the multi-party calls.

Ending the multi-party calls

☞ To end the multi-party calls, **⑧** or **SK2**.

☞ To disconnect a specific party on a multi-party call, highlight the party you wish to disconnect → **(MENU) 8**

☞ You can disconnect a specific party on the multi-party calls only when you are a host of the multi-party calls.

☞ **Multi-party call facilities are network dependent.**

Recording a call

You can record the conversation during the call.

☞ During a call, press and hold **▼** or **(MENU) 7** to display the Voice memo screen → **SK1** to start the recording → **SK1** to pause and **SK2** to stop the recording → To play the recording, see "Recording/playing voice memo or setting speaker" on page 76.

Scratchpad number

Your phone has a scratchpad facility that enables you to take down a phone number during a call and then make a call to it when you have finished. This scratchpad number can be stored in memory for future use.

Noting & calling a scratchpad number

☞ During a call, key in the number to be placed in the scratchpad. It will be shown on your phone's screen → **⑧** when the call is finished. The number will still be displayed. Press **↔** to dial the displayed number.

Call options (M43)

From Call options, you can display the list of missed, received and dialled calls, the duration of the last call made and all calls, charge information and the redial blacklist.

4 3 to display the Call options screen.

No.	Call options
1	Missed calls Displays the list of missed calls. You can also access this function by pressing ► from the standby screen.
2	Received calls Displays the list of received calls. You can also access this function by pressing ◀ from the standby screen.
3	Dialled calls Displays the list of dialled calls. You can also access this function by pressing ↵ from the standby screen.
4	Last call duration Displays the duration of the last call made on your phone. ↳ SK1 to reset the display to zero.
5	Total calls duration Displays the duration of the total calls made on your phone. ↳ SK1 → 1 to reset the duration of the total dialled calls, 2 to reset the duration of the total received calls, or 3 to reset the duration of all calls.
6	Charge info Displays the charge information (Advice of Charge - AoC). ↳ The AoC facility is SIM card and network dependent. ↳ To reset the display to zero, set the maximum charges or edit the unit price, you may be prompted to enter the PIN2 code. 1 Total charge Displays the total charge. ↳ SK1 to reset the display to zero. 2 Maximum charge Displays the maximum charge. ↳ Key in the maximum number of units allowed → SK1 3 Unit price Displays the unit price. ↳ Highlight the whole number (integer), the decimal number or the currency field → Key in the required value for the whole number and decimal number fields. For the currency field, key in the currency type using a maximum of three characters → SK1
7	Redial blacklist Accesses the numbers in the blacklist. ↳ If dialled call is not successfully connected (e.g. number busy), the auto redial facility will be offered (see page 13). If you have set auto redial and the call still fails, the number called will be added to the blacklist.

Depending on the conditions, some options may be displayed in gray and not be available.

Display missed/received/dialled calls Options menu (M431M/M432M/M433M)

- ↳ or **MENU** 4 3 1 for missed calls, **◀** or **MENU** 4 3 2 for received calls, or **↵** or **MENU** 4 3 3 for dialled calls.
- ↳ Highlight a number in the list → **MENU**

No.	Missed calls/Received calls/Dialled calls Options menu	
1	Call	Calls the current number.
2	Create message	Creates a new message to the highlighted phone number.
3	Add to phonebook	Adds the current number to the phonebook. ☞ 1 to add it as a new personal data, 2 to add it to an existing personal data → Press the appropriate number for the storage destination → Press the appropriate number for the phonebook data field to copy the current number to.
4	Delete one	Deletes the current number.
5	Delete all	Deletes all the numbers in the list.
6	Info	Displays information on the current number.
7	Add desktop icon	Creates a desktop icon of the selected number.
8	Items/Page	Selects either to display 4 or 8 phone numbers in one screen.

☞ Depending on the conditions, some options may be displayed in gray and not be available.

Call settings (M16)

From the Calls screen, you can change various call settings: the call diversion, call waiting and holding, auto redial and line identification.

Call diversion (M161)

Setting Call diversion

☞  1 6 1 → Highlight the type of call you wish to divert.

☞ There will be a delay while your phone checks its divert status with your network.

☞ Highlight one of the conditions → When the phone number field of a divert condition is highlighted, either enter the phone number to divert to, or delete any existing phone number.

☞ If you have made any mistake, highlight the appropriate field → SK1 to clear any mistakes.

☞ If the settings are correct, ↵

☞ There will be a short delay while the network sends the divert status of your phone.

☞ There may be an additional charge for this service depending on your network.

☞ There may be unavailable settings depending on your network.

Call diversion edit options menu

- ☛ Highlight the required edit field → 

No.	Call diversion edit options menu
1	Copy Copies the number in the edit field.
2	Paste Pastes the previously copied number.
3	Disable all Disables the numbers from all the fields.
4	Phonebook Displays the phonebook to insert a number in the edit field.
5	Add to phonebook Adds the number to the phonebook as a new personal data or saves the number in an existing personal data.

 Depending on the conditions, some options may be displayed in gray and not be available.

Call waiting and holding (M162)

This facility informs you that another call is being made to your phone while an existing call is in progress.

Setting up call waiting

- ☛  **1 6 2 → 1 1** to activate, **1 2** to deactivate the call waiting, or **2** to check the status of call waiting.

Using call waiting

- ☛ If you are on a call and another comes in, you will be alerted by a beep in the earpiece → **SK1** to accept the incoming call.
 - ☛ To switch the calls, **SK1**
 - ☛ To merge the calls, **SK2** (see "Multi-party calls" on page 9).
 - ☛ To end the current call, 
 - ☛ To retrieve the held call **SK1**

Auto redial (M163)

With the auto redial facility, your phone will redial a number up to 10 times if the first attempt fails. A tone will be heard at each redial attempt. Your phone cannot connect a call if the other party is busy or if there are network problems. Pressing **SK2** during a redial attempt will abort it.

- ☛  **1 6 3 → 1** to activate or **2** to deactivate the auto redial facility.

Line ID (M164)

 **The line ID (identification) facility is network dependent.**

The line ID facility enables you to choose whether or not to send your own phone number when you make a call and also whether or not to display a caller's phone number when you receive a call.

-  **1 6 4** to display the Line ID screen with a  over an activated line and a  over a deactivated line.
- To set the status of each line (see the table on the right), highlight a line (the line will flash when selected).
- SK1** to set the line identification on or off  to save the current settings.

Line type	Setting
Outgoing	Send own #
	Show connected #
Incoming	Show Incoming #
	Return own #

International dialling codes

When you make an international call from any country, you must start by dialling a special international access code. Your phone has the facility to prefix a + symbol to the numbers, so that you need not enter the access code for the country that you are calling from.

Entering international dialling codes

-  Hold down **0**. The 0 character displayed will change to a + character  Key in the country code, area code, and phone number that you wish to call. The UK country code is always 44, no matter what country you are dialling from. For example, a typical UK number of 0131 1234567 is entered as:

International access	country code	area code	phone number
+	44	131	1234567

Roaming

 **You will be charged for calls forwarded to you while roaming.**

The roaming facility enables you to use your phone in many parts of the world and pay all charges through your normal service provider. Your network operator usually has agreements with named networks in other countries so that automatic roaming can take place with these named networks. The phone also allows you to set network preferences of your own.

When dialling, you will need to add the international access codes if required. So, storing all numbers with the codes (such as +44 for UK) is helpful (see "Entering international dialling codes").

 **Before leaving your home country, you should select any preferences such as bar calls or call diversion.**

Setting Automatic or Manual network selection (M181)

-  **1 8 1**  1 to select the automatic mode or 2 to select the manual mode.

 **Before you manually select a network, ensure it is covered under the agreement you have with your service provider.**

New search (M182)

-  **1 8 2** to search the available networks  Highlight the desired network   to connect to it.

Viewing/editing network list (M183)

 Before editing your network list, please consult with your service provider.

 **1 8 3** to read the network list in the SIM memory → Highlight the required network → 

No.	SIM list Options menu	
1	Add	Adds a new network to the list.
2	Move	Moves the highlighted network within the list.  Use ▲ and ▼ to move the network → SK1
3	Remove	Deletes the highlighted network.

 Depending on the conditions, some options may be displayed in gray and not be available.

Selecting the frequency band (M184)

You have to select the frequency band to suit the location.

 **1 8 4** → Select the required frequency band.

 Frequency bands must be adjusted to suit the location when roaming (Europe, US, etc.), for the phone to work properly.

Text Entry

This section describes how you enter text.

Mode change

 With a text entry screen displayed, press **SK1** to change the text entry mode: T9® English text, Normal text (ABC), Numeric input

T9® English text input

Your phone incorporates T9® Text Input, enabling fast, easy and intuitive text input. For each letter to be keyed in, you only need to press the alphanumeric key once. The screen will display the word you may require based on the internal English dictionary of your phone.

 With a text entry screen displayed, press **SK1** until the entry mode is T9® English input.

i) For example, to enter "Good":

 Press **4 6 6 3**, and then press **0** to confirm the word.

ii) To enter "Peter is good":

 Press ***** to shift to upper case (for one letter). You will see a green arrow in the Help area.

 Press **7 3 8 3 7** to display "Peter", and then press **0** to confirm.

 Press **4 7** to display "is", and then press **0** to confirm.

- Press **4 6 6 3** to display “good”, and then press **0** to confirm and the sentence is completed.

Key	Function
0	Confirms a word and inserts a space.
1	Inserts a period or a single quote as in “Let’s”, “we’re”, “it’s”, etc.
SK1(List)	Displays the list of other matching words.
SK1(Spell?)	Activates the spell mode which temporarily deactivates T9® for you to spell the word in Normal text input. The spell mode ends when you key in 0 to enter a space, or SK1(T9) .
SK2(Dismiss)	Cancels the T9® matching word list.
SK2(Next) or #	Displays the next candidate.
◀ or ▶	Places the cursor.
0 to 9 (press and hold)	Inserts the number.
CLR	Deletes any character.
*	Toggles between lower case, shift (upper case for one letter) and caps lock (permanent upper case).
* (press and hold)	Press and hold to activate the highlight mode (see “Highlight mode” on page 32 for details).
#	Activates symbol mode when no word is highlighted.

Normal text input

- With a text entry screen displayed, press **SK1** until the entry mode is Normal text (ABC) input.
- Use alphanumeric keys to enter letters. For example, to enter “e,” press **3** twice; to enter “f,” press **3** three times. For other functions, see the table below.
- When you are in the Normal text (ABC) input, any word entered that is not in the T9® dictionary will be added automatically.

Key	Function
*	Toggles between lower case, shift (upper case for one letter) and caps lock (permanent upper case).
* (press and hold)	Press and hold to activate the highlight mode (see “Highlight mode” on page 32 for details).
0	Inserts a space.
0 to 9 (press and hold)	Inserts the number.
CLR	Deletes any character.
◀ or ▶	Places the cursor.
#	Activates symbol mode.

- ¶ If you have made a mistake, use ▲ ▼ ◀▶ to place the cursor to the left or the right of the incorrect character (depending on the Clear mode setting, see page 33 for details) and then press **CLR**.
- ¶ When entering normal (ABC) text, and the character you require is displayed, use ▶ to move to the next character position (if you wait for more than 1 second, the cursor will move one character to the right automatically).

Numeric input

- With a text entry screen displayed, press **SK1** until the entry mode is Numeric input.
- ¶ You can also press and hold the number key to insert the number in T9®/Normal text input mode.
- Use alphanumeric keys to enter numbers.

Key allocations

Whenever you need to enter text (for messages, storing names with numbers, etc.), successive presses of an alphanumeric key will display different characters. Pressing * in T9® English text input or Normal text (ABC) input toggles between lower case, shift (upper case for one letter) and caps lock (permanent upper case). When a text entry screen is displayed, pressing **SK1** enables you to select Normal text input (ABC), T9® Text input (T9) or Numeric input (123).

- ¶ Depending on the types of text entry screens, not all types of text entry modes are available.

Symbol mode

In the symbol mode, pressing each key will input a symbol according to its position on the Symbols screen. By pressing # in a text entry mode, the Symbols screen will be displayed. Use ▲ and ▼ to select the row, and then press the appropriate number on the column of the required symbol.

Desktop icons

Desktop icons are shortcuts to functions or items. You can activate a desktop icon on the standby screen (desktop) in stead of following the menu and pressing the shortcut numbers.

The desktop icons are displayed in two rows on the standby screen. See "LCD and displayed icons" on page viii for the actual location of the desktop icon area.

There are two types of desktop icons: the automatically displayed and the manually created.

Automatically displayed desktop icons

The following automatically displayed icons are displayed on the upper row of the desktop icon area:

Icon name	Image	Description
Missed call		Displayed when there is a new entry in the Missed calls list.
Missed message		Displayed when there is a new message you have not acknowledged.
Missed Mail		Displayed when there is a new Mail you have not acknowledged.

- ☞ You can delete all the automatically displayed icons by pressing and holding **CLR** on the standby screen.
- ☞ If you turn the phone off, all the automatically displayed desktop icons are deleted.

Manually created desktop icons

The following manually created icons are displayed on the lower row of the desktop icon area

Icon name	Image	Description	Icon name	Image	Description
Phone number		Displays a dialer screen with the registered phone number displayed.	Calculator		Displays the Calculator screen.
Message		Creates a new message to the registered phone number or Email address.	Clock alarm		Displays the Set alarm screen.
URL		Activates the browser and accesses the registered URL.	Scheduler		Displays the Monthly/Weekly calendar screen.
Picture		Displays the image file.	ToDo list		Displays the ToDo list screen.
Note		Displays the note.	Notepad		Displays the Add new screen for Notepad.
Camera		Displays the camera view finder screen.	Voice memo recorder		Displays the New record screen for Voice memo.
Video		Displays the video view finder screen.	Currency		Displays the Currency screen.

Icon name	Image	Description	Icon name	Image	Description
Music player		Displays the Music player screen.	Bluetooth Voice/Modem		Displays the Bluetooth Voice/Modem screen.
MP3 player		Displays the MP3 player screen.	Bluetooth data exchange		Displays the Bluetooth data exchange screen.

Creating a desktop icon manually

- ☛ Highlight the required function (Camera, Video, Music player, MP3 player, Calculator, Clock alarm, Scheduler, ToDo list, Notepad, Voice memo, Currency, Bluetooth Voice/Modem, or Bluetooth data exchange) or display the item (image file, note file, phone number, Email address, or URL).
 - ☛ For functions, **SK1**
 - ☛ For items,  to display the Options menu and select Add desktop icon (for an image/note file, this menu is under Use item)
 - ☛ For Camera/Video/Music player/MP3 player, you can also display the Options menu and select Add desktop icon (for Camera/Video, this menu is under Other settings).
- ☛ You can create up to 10 desktop icons.
- ☛ If you have more than 5 desktop icons, an arrow will be displayed to indicate that you can scroll for more icons.
- ☛ The phone number, Email address or URL desktop icon data will not be updated when the original data is modified. Delete the old desktop icon and create a new one in such a case.
- ☛ When you create a desktop icon of an image file or notepad file, the file will be automatically protected. The default title will be the file name. Even if this title is changed, the original file name will remain the same.
- ☛ Each manually created desktop icon has a title that you can edit.

Activating a desktop icon

- ☛  → Highlight the required desktop icon → 
- ☛ If you do not press any key for three minutes after highlighting a desktop icon, the highlight is cancelled and the screen goes back to the normal standby screen.
- ☛ If you activate an automatically displayed desktop icon, it will be deleted automatically.

Desktop icon Options menu

- ☛ Highlight a desktop icon → 

No.	Desktop icon Options menu	
1	Edit title	Edits the title of the highlighted desktop icon.
2	Delete one	Deletes the highlighted desktop icon.
3	Delete all	Deletes all the manually created desktop icons.

Settings (M1)

Phone (M1)

◀ MENU 1 1

No.	Phone			
1	Voice volume		Adjusts the sound volume output from the earpiece. ☞ Use ▲ ▼ , Side keys or alphanumeric keys (0 to 9) to adjust the volume. ☞ You can also press the Side keys to display the volume control screen and to adjust the volume setting. ☞ During a call, you can press the Side keys to adjust the setting of the volume as required. ☞ When you change this setting while a headset is connected, the changed volume will be valid only when you have a headset connected. ☞ While using a Bluetooth headset, you cannot change the volume.	
2	Answer options	1	Any key answer	On: Any key (except □ , SK2 , the Side keys) is valid to answer a call. Off: Only ◀ and SK1 are valid to answer a call.
		2	Ring silencer	On: Pressing one of the Side keys stops the ringer sound and the vibrator while receiving a call with the phone closed. ☞ This function cannot be used if the Side keys are locked.
		3	Fold answer	On: You can answer an incoming call by opening your phone.
3	Side key		Disable: Side keys are locked while your phone is folded. ☞ You can also lock/unlock the Side keys by pressing and holding MENU on the standby screen.	
4	ALS setup		☞ The Alternate Line Service (ALS) facility is SIM card and network dependent. If your SIM card supports ALS, you can setup which line to use for Outgoing call or Voice mail.	

No.	Phone		
5	Clock	1 Show clock	Sets to display the local time, both the local and remote times or no time on the main-LCD.
		2 Set time	Sets the time for the local or remote time.
		3 Set date	Sets the date.
		4 Set date format	Selects the date display format.
		5 Set time format	Selects the time display format from 12 hour or 24 hour.
		6 Set timezone	Sets the timezone. (A  is placed on the currently selected timezone.)  Highlight the required timezone → Press SK1 to save the change.  If the highlighted timezone has Daylight Saving, a check box will be displayed at the bottom of the screen. Press O to activate ()/deactivate the setting.
		7 Set start day	Selects whether to start the week on Sunday or Monday.  This setting affects the functions related to the day of the week, such as Scheduler. (See "Scheduler (M85)" on page 72 for details.)
6	Language	Selects the language the phone displays.  When you have switched the language to be displayed, please wait until the new setting becomes active.	
7	LED	Selects the Light Emitting Diode (LED) colour for incoming calls/SMS/Mail or during a call.  If the personal setting or the Group setting for the LED colour is also set in the phonebook, it has priority over this LED setting. (See "Allocating a LED colour" on page 52 for details.)	
8	Earphone type	Selects the earphone type from Stereo or Monaural, depending on your earphones (headset).	

Phone modes (M12)

Your phone can be set to one of the following modes: Normal mode, Meeting mode, Pocket mode or Car mode.

 Any changes made to the settings while in a particular mode will be stored and used when that mode is selected again.

Selecting your phone mode

  1 2 → Press the appropriate key for the required mode.

 You can also set the Meeting mode or return to the previous mode by pressing and holding ▲ on the standby screen.

Editing the mode settings

  1 2 → Highlight the required mode → SK1 → Press the appropriate number for the required setting in the following table.

 For any volume setting, use ▲ ▼, Side keys or alphanumeric keys (0 to 9).

When you change this setting while a headset is connected, the changed volume will be valid only when you have a headset connected.

No.	Phone mode setting	
1	Ringer	Selects the Sound or Video for incoming calls. (See "Sounds (M62)" on page 61 or "Videos (M61)" on page 61 for details.) If the Video is set, it will sound and will be displayed regardless of the CLI picture setting for the personal data in Phonebook. (See "Allocating a picture as a CLI" on page 52.)
2	Ringer volume	Sets the sound volume for incoming calls. While receiving a call with your phone open, the ringer volume can also be adjusted by pressing the Side keys. While using a wired headset, you can set the volume for the wired headset. The volume settings for the wired headset and the speaker of the phone are saved individually. While using a Bluetooth headset and a Bluetooth hands-free kit, however, the volume setting for the speaker of the phone is used.
3	SMS tone	Selects the ringtone for incoming SMS messages. (See "Sounds (M62)" on page 61 for details.)
4	SMS tone volume	Sets the sound volume for incoming SMS messages.
5	Mail tone	Selects the ringtone for incoming Mail or MMS messages. (See "Sounds (M62)" on page 61 for details.)
6	Mail tone volume	Sets the sound volume for incoming Mail or MMS messages.
7	Key tone	Turns on/off the key tone.
8	Service tone	Turns on/off the service tone.
9	Alarm volume	Sets the sound volume for Clock alarm and Schedule alarm.
0	Vibrator	Turns on/off the vibrator function.
*	Earphone setting	Selects the sound output from Earphone & Speaker or Earphone. This option affects the headset.
#	Auto answer	Selects whether to answer an incoming call automatically. To use the Auto answer function, connect the headset to your phone and set the earphone volume to 1 or higher. If the earphone volume is set to 0, you must turn the vibrator ON to use the Auto answer. The Auto answer function only applies to the first incoming call. When you have another incoming call, you have to answer it manually.

If the selected mode is Car mode, the backlight will always be turned on. This will accelerate the battery consumption.

Main-LCD (M13)

◀ (MENU) 1 3

No.	Main-LCD	
1	Greetings	Selects the greeting which is displayed on the main-LCD during phone start-up from No greeting, Text or Animation. ☞ If you select Text greeting, press SK1 to edit the greeting text. Key in a greeting text and press OK .
2	Wallpaper	Selects a picture or video file to use as the background for the main-LCD.
3	Colour style	Selects the phone's colour theme.

2nd-LCD (M14)

◀ (MENU) 1 4

No.	2nd-LCD	
1	Clock/Event display	Selects which items to display on the 2nd-LCD from Clock & Event, Clock only, Event only or Off.
2	Wallpaper	Selects a picture file to use as the background for the 2nd-LCD.
3	Clock selection	Selects the type of clock to be displayed on the 2nd-LCD. ☞ When selecting Digital 2 clock, no icon will be displayed in the standby screen of the 2nd-LCD.
4	Incoming call No.	Turns on/off the function to display the incoming call number on 2nd-LCD.
5	Contrast	Sets the contrast level of the 2nd-LCD. ☞ Use ▲ , ▼ or Side keys to adjust the contrast. The contrast gauge is displayed on the 2nd-LCD.

Power saving (M15)

◀ (MENU) 1 5

☞ If the selected mode is Car mode, this function is displayed in gray and is not available.

No.	Power saving	
1	Level setting	Selects the power saving level from Level 1 (minimum power save setting), Level 2 (moderate) or Level 3 (maximum). ☞ The main-LCD backlight will turn dim and then turn off after a given amount of time with no operation. ☞ When the phone is folded, Power saving level also applies to the 2nd-LCD.

No.	Power saving
2	Function key LED  If the selected mode is Car mode or the camera view finder screen is displayed, the main-LCD backlight will always be on.

Calls (M16)



 For settings provided on the Calls screen, see "Call settings (M16)" on page 12.

Security (M17)



The security settings will help to protect your phone from improper and unauthorized use. You may be required to enter one of the five codes (shown below). When the phone prompts you for one of these codes, key in the appropriate number.

- PIN code (provided by your network service provider to protect your SIM card if it is stolen)
- PIN2 code (provided by your network service provider for charge information and Fixed dialling services protection)
- PUK code (personal unblocking key in case you forget PIN code)
- PUK2 code (personal unblocking key in case you forget PIN2 code)
- Security code

 **If you forget any of these codes, ALWAYS contact your service provider as they are the ONLY source for your codes.**

PIN code

Your phone can be set up so that your PIN code must be entered at power up before the phone can be used at all. If the PIN code is not entered, not even incoming calls can be answered. Entering your PIN code incorrectly 3 times (not necessarily in the same session) will invalidate the correct PIN code. In such a case you will have to contact your service provider for a PUK code to unlock your SIM card.

 Some SIM cards are set up so that PIN number entry cannot be turned off.

 When SIM PIN lock is enabled, you can change the PIN code.

PIN2 code

Your phone supports advanced feature that may require a PIN2 code to be entered before they can be accessed or modified. Entering your PIN2 code incorrectly 3 times (not necessarily in the same session) will invalidate the correct PIN2 code. In this case you will have to contact your service provider for a PUK2 code.

 **The PIN2 code is SIM card related and may only be available from your service provider.**

No.	Security		
1	Change PINs	Changes the PIN or PIN2 code (PIN activate setting must be turned on to change the PIN code).	
2	PIN activate	Turns on/off the PIN code entry required at starting up the phone.	
3	Change security code	Changes the security code which is used to set some of functions and unlock the Personal Information Manager (PIM) features.  <i>The default setting of the security code is "0000".</i>	
4	Phone lock	Turns on/off the Phone lock function which will lock the phone: you can only make emergency calls or enter the security code. After entering the correct security code, you can use the phone normally.  <i>Upon power-up, you are prompted to enter the security code if the Phone lock was active when the phone was powered down.</i>	
5	Bar calls	You can bar the following calls made/received on your phone: all outgoing (dialed) calls, international outgoing (dialed) calls, international outgoing (dialed) calls except to home, all incoming (received) calls or Incoming (received) calls when roaming.  Bar calls facilities are network services and may require a password.	
5	Bar calls (Continued)	1	Change settings  <i>Highlight the type of restriction and the call type, and then   to save changes.</i>  <i>Key in your bar calls password to verify user identification to the network  SK1 to confirm and save changes to the network.</i>  <i>The selected settings have red bars over their icons.</i>
		2	Set password Changes the bar calls password.
6	Fixed dialling	Turns on/off the fixed dialling which restricts the use of dialled number to only the Fixed Dialling Numbers (FDN).  The FDN facility is network dependent.  <i>See also: "Fixed dialling numbers (FDN)" on page 48.</i>	

Network (M18)

  18

 For settings provided on the Network screen, see "Roaming" on page 14.

Reset settings (M19)

  19

This function will reset your phone to its factory settings.



By restoring the factory settings, any changes you have made to your phone EXCEPT the following will return to the factory settings (the following data/settings will not be reset):

- **Settings:** Set time for Local time, Set date, Language, all settings in Calls other than Auto redial, all Security settings other than Change security code, SIM list settings in Network.
- **Call options:** Information in Charge info.
- **Phonebook:** All Phonebook entries. The settings for Groups.
- **Accessory:** All Schedule, ToDo, Notepad and Voice memo entries. All the settings other than Clock alarm, Play list for MP3 player, View events for Scheduler, Sort for ToDo, and Timer setting and My phone settings for Bluetooth.
- **i-mode:** All Bookmarks, Saved pages, Go to webpage, and Mail settings. All the i-mode related settings.
- **Java™:** All the Java™ applications.
- **Message:** All the stored messages. The settings for SMS centre, Validity period for SMS and Language for Cell Broadcast.
- **My data:** All stored files.

Message (M2)

Message overview

Message services

Your phone supports the following messaging services:

- **Short Messaging Service (SMS)** allows you to send short messages (160 half-pitch characters max.) to one or more phone numbers. To send an SMS message, the destination phone number must be a mobile phone with an SMS service subscription. SMS service also supports Enhanced Messaging Service (EMS) for which the maximum length of the message you can send depends on the number of linked messages (maximum of 10 linked messages are available).
- **Mail (i-mode messaging service)** allows you to send a message to not only other cellphones but also to PCs and other devices that uses Email addresses. You can attach files from Pictures, Videos and Sounds in My data (see page 60). Mail facility is available from the Mail screen under the i-mode facility. For details on the mail service, see "i-mode (M3)" on page 33.
- **Multimedia Messaging Service (MMS)** is a service that allows you to send messages of a slideshow of text and multimedia files. When you receive an MMS message, you will be notified by a message from the MMS centre. You can either automatically or manually receive the contents of an MMS message. MMS facility is available from the Mail screen under the i-mode facility. For details on the mail service, see "i-mode (M3)" on page 33.

 **The Message Services are network dependent.**

Sending/Receiving messages

While an SMS message is being sent or received, a name or a number will be displayed (if a name has been stored with the number in your phonebook). The received messages are stored on the SIM card or in your phone memory. When you receive a message, your phone will ring or beep during a call, a new message icon will be shown on your phone's display and its LED will glow.

 Please delete the unnecessary messages in the folders from time to time. The phone cannot receive any messages when the Inbox folder is full.

Message screen

- To display the Message screen,  2 or press and hold   Press the appropriate key for the required option.

No.	Message screen menu	
1	Inbox	The received messages are stored here.
2	Drafts	The messages currently being edited are stored here.
3	Outbox	The messages that failed to be sent are stored here.
4	Sent	The sent messages are stored here.

No.	Message screen menu (Continued)	
5	CB	The received broadcast messages are saved. See "Cell broadcast (M25)" on page 33 for details.
6, 7	Folder1/Folder2	The messages moved by Move msg (see "Message list Options menu" on page 29) are stored here.

¶ If there is no message in a message list, the list will be displayed in gray and you cannot select it.

Reading a message (M21)

- To display the Message view screen of a new message,  2 1 or press and hold  and press 1 → Highlight the new message → 
- The new (unread) messages are displayed in bold. If the message cannot be displayed in one page, use  and  to scroll through the message.

The following icons will be displayed.

Icon type	Icons	Descriptions	Icon type	Icons	Descriptions
Message type icons		SMS message	Read / Unread status icons		New / Unread message(s)
		Incomplete SMS message			Read message(s)
Storing location icons		Highlighted message stored in SIM	Filtering status icons		SMS messages filtered by status (incomplete)
		Highlighted message stored in the phone memory			SMS messages filtered by location (SIM)
Sorting status icons		Messages sorted by Date			SMS messages filtered by location (the phone memory)
		Messages sorted by Name			Filtered SMS messages
		Messages sorted by Read/Unread status			Sent but failed message
		Messages sorted by Size			Sent message
		Messages sorted by Ascending order			
		Messages sorted by Descending order			

Message Options menu (M2M)

-  2  or press and hold  and press 

Message Options menu			
1	SMS settings	1	SMS centre
		2	Auto display
		3	Receipt request
		4	Max linked msgs
		5	Validity period
2	CB settings	1	Enable
		2	Languages
3	View msg status	Displays the information on the number of messages in the phone, the size of free/used memories, SMS units in the phone/SIM, and complete/incomplete SMS units.	
4	Rename folder	Renames Folder1 and Folder2.	
5	View all	Displays all the messages in all folders on the same list.	
6	Msg filter	Sets the type(s) of messages to be displayed by selecting the desired filter option.	

 **The receipt request and linking of SMS messages are network dependant.**

 Depending on the selected folder, some options may be displayed in gray and not be available.

Message list Options menu

- Display the message list in the Inbox, Drafts, Outbox, Sent, CB, Folder1 or Folder2 → 

Message list Options menu		
1	Reply	Replies to the sender of the highlighted message.
2	Reply all	Replies to the sender and all other recipients of the highlighted message.
3	Delete	Deletes the highlighted message.
4	Delete all	Deletes all the messages in the current folder.
5	Forward	Forwards the message text of the highlighted message.
6	Msgs/page	Selects either to display 3 or 7 messages in one screen.

No.	Message list Options menu (Continued)	
7	Move msg	Moves the highlighted message to Inbox or Folder1/2, or copies to SIM or Phone.
8	Sort msg	By: Sorts the messages by date, name, read/unread status or size. Order: Sorts the messages in ascending or descending order.
9	Search	Searches messages by alphabets.
0	View details	Displays the detailed information on the highlighted message.
-	Add desktop icon	Creates a desktop icon of the sender or recipient of the highlighted message (Inbox, Sent, Folder1, Folder2, and Drafts only).
-	Edit	Edits the highlighted message (Drafts and Outbox only).
-	Resend	Resends the highlighted message in the folder (Outbox only). The entire message or only the packets that failed to reach the recipient(s) can be sent.

Depending on the selected folder, the menu number and available options may vary.

Depending on the selected folder, some options may be displayed in gray and not be available.

Message view Options menu

Display the message list in the Inbox, Drafts, Outbox, Sent, CB, Folder1 or Folder2 → Highlight a message →  → 

No.	Message view Options menu	
1	Reply	Replies to the sender of the highlighted message.
2	Reply all	Replies to the sender and all other recipients of the highlighted message.
3	Delete	Deletes the highlighted message.
4	View details	Displays detailed information on the highlighted message.
5	Forward	Forwards the message text of the highlighted message.
6	Save object	Saves the highlighted object to a folder in My data.
7	Move msg	Moves the highlighted message to Inbox or Folder1/2, or copies to SIM or Phone.
8	Highlight mode	Activates the Highlight mode (see "Highlight mode" on page 32 for details).
9	Option mode	Activates the Option mode to highlight the phone number, Email address, URL or attached file.
0	Add desktop icon	Creates a desktop icon of the sender or recipient of the highlighted message.

Depending on the conditions, some options may be displayed in gray and not be available.

The reply facility uses the phone number of the person who sent the message.

The Save object Options menu will be displayed only if an object is highlighted.

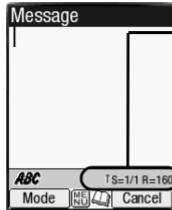
Option mode Options menu

- Display the message list in the Inbox, Drafts, Outbox, Sent, CB, Folder1 or Folder2 → Highlight a message → **O** → **MENU** 9 / **◀** / **▶** to highlight a phone number, Email address or URL in the message → **MENU**

The columns show the menu numbers for **P**: Phone number highlighted, **E**: Email address highlighted and **U**: URL highlighted.

P	E	U	Option mode Options menu
1	1	–	Add to phonebook Adds the highlighted phone number or Email address to a phonebook.
2	–	–	Dial phone number Dials the selected phone number.
–	–	1	Add to bookmark Adds the highlighted URL to the bookmarks.
–	–	2	Go to URL Activates the web browser to access the highlighted URL.
3	2	3	Create message Creates a new message with the highlighted phone number/Email address/URL in the To field, the message text, or the slide text.
4	3	–	Add desktop icon Creates a desktop icon of the highlighted phone number/Email address.
5	4	4	View mode Deactivates the Option mode.

Creating a message



Help area

This area contains the information on the message. **S** indicates the size of the message equivalent to the number of SMS messages, and **R** indicates the remaining number of characters available.

- To display the Message composer screen, press **MENU** 2 and **SK1**, or press and hold **□** and press **SK1**
- To address the message, highlight the To field → **O** → Input the required phone number → **O**
- To scroll the phone numbers in the To field, **◀** or **▶**
- To key in the message, highlight the Message field → **O** → Key in the message → **O**
- Pressing **MENU** while keying in the To/Message field displays the Message edit Options menu screen.
- Press **SK1** to send the message.

When you are in the ABC (normal text) mode, any word entered that is not in the T9® dictionary will be added automatically.

When you are keying in your message, press **SK1 to change the text entry mode.**

If you display another screen or receive a call while you are editing a message more than 1 character, the message will be saved automatically in Drafts.

↑ (green)	Indicates that an upper case letter will be input next.
↑ (red)	Indicates the capital lock.
□ (no arrow)	Indicates that a lower case letter will be input next.

Message composer Options menu

→  2 SK1 or press and hold  and press SK1 → Highlight To or Message field → 

No.	Message composer Options menu	
1	Add/Edit	Adds or edits a recipient phone number or a message.
2	Preview msg	Displays a message preview screen.
3	Delete	Deletes the highlighted recipient, message, or object.
4	Delete all	Deletes all the recipients.
5	Save	Saves the message in Drafts folder.
6	Phonebook	Displays the phonebook list to insert a recipient phone number.
7	Resend list	Inserts a phone number from the resend list.  You can delete the highlighted phone number from the resend list or the entire resend list by pressing  1 or  2 respectively.
8	Insert	Inserts a new recipient phone number (To field only).
9	Address list	Displays the recipients of the message (To field only).

 Depending on the selected field, some options may be displayed in gray and not be available.

Message edit Options menu

→  2 SK1 or press and hold  and press SK1 → Highlight To or Message field →  → 

No.	Message edit Options menu	
1	Text colour	Selects the colour of text and background.
2	Text format	Selects the font size (small, normal or large) and font style (bold, italics, underline or strikethrough).
3	Text alignment	Sets the text alignment (left, centred or right).
4	Paste	Pastes the text which has been copied onto the clipboard in the Highlight mode.  This function can be used only when text has been copied or cut in the Highlight mode.
5	Highlight mode	Activates the Highlight mode at the cursor position.  You can also activate the Highlight mode by pressing and holding *.  This function can only be used when text has been entered.  To toggle the Highlight mode on/off, SK1 and to go back to the normal mode, CLR  To display the following Highlight mode Options menu,  .
	1 Text colour	Selects the colour of text and background.
	2 Text format	Selects the font size (small, normal or large) and font style (bold, italics, underline or strikethrough).
	3 Copy	Copies the highlighted part of text onto the clipboard.
	4 Cut	Cuts the highlighted part of text.

No.	Message edit Options menu		
5	Highlight mode	5	Delete
		6	Select word
		7	Select paragraph
		8	Select all
		9	Save to text file
6	Insert object	Inserts Text, Sound, Still image, Animation, Emoticon, or Pictograph into the message at the cursor position.	
7	T9 Language	Selects the language for T9® text input.	
8	Edit settings	Sets the Write mode (Insert or Overwrite) and Clear mode (Backspace or Delete).	

 Depending on the conditions, some options may be displayed in gray and not be available.

Cell broadcast (M25)

Cell broadcast (CB) messages (e.g. weather reports, news) are sent by the network to all phones in a certain area.

   5

 The Cell broadcast message display on the standby screen is erased by pressing CLR.

 Broadcast messages service is network dependent. Please contact your service provider for details.

i-mode (M3)

Using your phone's browser facility, you can enjoy i-mode services such as browsing information on i-mode sites (programs) and other Internet web pages, and sending/receiving i-mode messages which include the mail and MMS (including attachment).

 You can download melody files, images, animations, Flash, videos and Java™ applications and save them in My data. Some files with restrictions cannot be saved even though they can be downloaded and played or displayed.

 For the definitions of the icons related to i-mode, see "LCD and displayed icons" on page viii.

i-mode operation guide

You can access various i-mode functions by selecting the menus on the main four i-mode related screens: i-mode screen, i-mode menu screen, iMenu screen (i-mode operator portal site) and Mail screen. The following table gives an outline of the procedures related to the i-mode services.

Action	Procedure
Browsing the i-mode sites/Internet web pages	
Display the homepage	 Press and hold  or SK2 → 6 → 3  You need to set the homepage URL in Home page beforehand (see "Set homepage" on page 41).

Action	Procedure
Display a web page	☞ SK2 → 6 → 1 to key in the address, or 2 to select an address in the history.
Reload the current page	☞ While browsing a webpage, (MENU) → ▶ → 1
Display the URL of the current page	☞ While browsing a webpage, (MENU) → ▶ → 2
Bookmark a web page	☞ With the web page you want to bookmark displayed, (MENU) 1
Display a bookmarked web page	☞ SK2 → 5 or (MENU) 2 while displaying another page → highlight a bookmark → ○
Save a web page	☞ With the page to save displayed, (MENU) 4
Display a saved page	☞ SK2 → 7 → highlight a saved page → ○
Save an image	☞ With the page including the image to save displayed, (MENU) 3 → ○
Save a phone number	☞ With the phone number to save highlighted, (MENU) 5
Display the certificate information of the current page	☞ With a page displayed, (MENU) 6 ☞ You can also refer to a saved page's certificate information by displaying the page and (MENU) 3.
Download a file	☞ Highlight the link to the file to download → ○ → When the download is completed, save the file and check that the downloaded file is stored in My data (see page 60) or the Applications screen of Java™ (see page 67).
Play a video by streaming	☞ Highlight the link to the video to stream → ○ (for details, see "Streaming/downloading a video")
Download a video	☞ Highlight the link to the video to download → ○ (for details, see "Streaming/downloading a video")
Returning to the previous screen/ moving forward to the next screen	☞ While connecting to i-mode, ◀ to return to the previous screen (if any), or ▶ to move forward to the next screen (if any).
Mail/MMS	
Create a mail	☞ SK1 → 1 (for details, see "Creating a new mail" on page 35)
Create an MMS	☞ SK1 → 2 (for details, see "Creating a new MMS" on page 36)
Read a mail /MMS	☞ SK1 → 3 → Highlight a message → ○
Check for new mail/MMS	☞ SK1 → 6
Settings for i-mode	
Change the mail settings	☞ SK1 → 7 (for details, see "Mail settings" on page 46)
Change the browser settings	☞ SK2 → 8 (for details, see "Settings" on page 41)
Change the phone settings related to i-mode	☞ (MENU) 3 2 (for details, see page 39)

Streaming/downloading a video

There are three types of video depending on the download site or data type: the video that can be played after downloading, the video that can be played while downloading, and the streaming video that can be played while downloading but cannot be saved to your phone.

- ▶ The maximum size of a video that you can download is 1 MB.
- ▶ The replay volume depends on the ringer volume of your phone. If the ringer volume is set to 6 or above, however, the replay volume is adjusted to level 5. You can change the volume while replaying a video. This change only applies to the currently replayed video.
- ▶ For the operation while playing a video, see "Operations while replaying video" on page 61.

Streaming a video

- ▶ While browsing a webpage, highlight the link to the video to stream → O
- ▶ If you are not in the EDGE service area but in GPRS service area, you cannot activate the streaming video.
- ▶ Streaming has priority over the incoming call/message/Clock alarm/Scheduler reminder.

Playing a video while downloading

- ▶ While browsing a webpage, highlight the link to the video to download → O
- ▶ After download is completed, 1 to play again, 2 to save or 3 to display detailed information on the video
 - ▶ To cancel the download before downloading is complete, SK2 or CLR
- ▶ If the download is interrupted, you can resume downloading the same video from where it was interrupted. The download may start from the beginning for some files depending on the sever, file type, and other conditions.
- ▶ Even if the download continues from where it was interrupted, the replay starts from the beginning.
- ▶ To play while downloading, Video auto play must be activated in advance (see "Video auto play" on page 41).

Options menu (during pause/stop)

- ▶ [MENU] while the video is paused or stopped
- ▶ Pause is not available for live streaming video.

No.	Options menu (during pause/stop)	
1	Full screen	Turns the Full screen on/off for Sub-QCIF. ▶ You can also turn the Full screen on/off by pressing #.
2	View detail	Displays detailed information on the video.
3	Input URL	Enters a URL to connect to the streaming server (only available for streaming video).

Mail/MMS operations

Creating a new mail

- ▶ SK1 → 1

☛ Set the addressee.

Highlight the To field → → key in the destination →

To refer to the phonebook, → Open phonebk. to retrieve the destination

To send the mail to more than one addressee, → Add To/Cc/Bcc

To change the To/Cc/Bcc status of an already set addressee, highlight the destination → → Change to To/Cc/Bcc

To delete an already set addressee, highlight the To field → → Del. address

☛ Key in the subject.

Highlight the Subject field → → key in the subject →

☛ Key in the message.

Highlight the Message field → → key in the message →

To attach a header, → Attach header

To attach a signature, → Attach sign.

☛ Attach a file if necessary.

Highlight the Attachment field → → select a file to attach from the My data screen

To delete an already attached file, highlight the attachment field → → Delete attachment

To preview the attached file, highlight the attachment field → → Play/View file

 You can attach files up to 299 KB in total, or 10 files.

☛ To send the mail, highlight Send →

☛ To save the mail, highlight Save →

To delete the currently edited mail, → Del. mail

Creating a new MMS

☛ SK1 → 2 → The Compose menu screen is displayed

☛ Using Compose menu, create an MMS (for details, see the table "Compose menu") → SK2 → The Compose MMS screen is displayed

☛ Set the addressee and key in the subject (see "Creating a new mail" for details).

☛ To send the MMS, highlight Send →

☛ To save the MMS, highlight Save →

Compose menu

From the Compose MMS or Edit MMS screen, highlight Attachment →  → The slide is displayed → 

No.	Compose menu		
-	Add/Delete/Overwrite media	1	Add/Delete/Overwrite text Adds, deletes or overwrites the text data in the text field on the slide.
		2	Add/Delete/Overwrite image Adds, deletes or overwrites the image file in the image field on the slide.
		3	Add/Delete/Overwrite audio Adds, deletes or overwrites the sound file in the sound field on the slide.
		4	Add/Delete/Overwrite video Adds, deletes or overwrites the video file on the slide.
-	Exit	Shifts to the Compose MMS screen.	
-	Save	Saves the currently created MMS.	
-	Preview	Displays the created slides in order from the beginning at the preset playback time for each.	
-	Add slide	1	Add slide Adds a new slide after the currently displayed slide.
		2	Insert slide Inserts a new slide just before the currently displayed slide.
-	Delete slide	Deletes the currently displayed slide.	
-	Text colour	Selects the Text colour from the 16 different colours.	
-	Background colour	Selects the Background colour from the 16 different colours.	
-	Set Fit mode	Selects the size in which the image/video is displayed.  <i>This setting will be applied to all the slides.</i>	
		1	Hidden Displays the image/video in the actual size.
		2	Fill Displays the image/video in the reduced size so that the height and width fit into the image/video display area.
		3	Meet Displays the image/video in the reduced size so that the longer side of the height or width fits the corresponding side of the image/video display area.
		4	Slice Displays the image/video in the reduced size so that the shorter side of the height or width fits the corresponding side of the image/video display area.
-	Options	Sets the length of time a slide is displayed, and sets the beginning and end times for text, image or sound within that slide display time.  <i>You cannot set the beginning and end time for video files.</i>	

No.	Compose menu
–	Resize region Changes the region size of the image/video field and the text field, using the ▲ and ▼ keys.
–	Switch positions Switches positioning of the image/video field and text field on the slide.
–	Previous slide Displays the previous slide.
–	Next slide Displays the next slide.

Depending on the conditions, some options may be displayed in gray and not be available.

- When you finish editing attachment, **SK2** or select Exit from Compose menu to return to the Compose MMS screen.
- If necessary, edit the composed MMS using the Edit menu options menu (see "Using the Edit menu options" for details).

Using the Edit menu options

- From the Compose mail/Compose MMS/Edit mail/Edit MMS screen,  to display the Edit menu options.

No.	Edit menu options
–	Send Sends the mail.
–	Save Saves the mail being edited to the draft folder.
–	Attach file Attaches a file to the mail.
–	Delete attachment Deletes the attached file(s).
–	Play/View file Plays or displays the attached file.
–	Open phonebk. Adds the destination directly from the phonebook.
–	Add To/Cc/Bcc Adds a To/Cc/Bcc field.
–	Change to To/Cc/Bcc Changes the highlighted Cc/Bcc/To field to a To/Cc/Bcc field.
–	Del. address Deletes a destination field.
–	Attach header/sign. Attaches a stored opening sentence at the start or a stored signature at the end of the text.
–	Del. message Deletes the message of the mail being edited.
–	Del. mail Deletes the new message currently edited.

Depending on the conditions, some options may be displayed in gray and not be available.

Reading a received mail/MMS

- SK1 → 3** → The list of mail/MMS in the Inbox folder will be displayed.
- Highlight the message to read →  → The message content will be displayed. Scroll the message content.
- To view the previous message , to view the next message 

- While reading a received mail/MMS in the **Inbox** folder, you can use various functions. See "Inbox" on page 43.
- If Auto play is on (see "Auto play" on page 46), the MMS/attachment will be automatically played/displayed. If not, press **SK1** to start playing.
- You can change the font size by pressing and holding the **◀** and **▶**. **▶** enlarges the font size, while **◀** reduces it.

i-mode screen

From the i-mode screen you can change the i-mode related settings of your phone.

 **MENU** 3 → The i-mode screen will be displayed.

No.	i-mode screen menus		
1	i-mode	Displays the i-mode menu screen (For details, see "i-mode menu screen menus" on page 40).	
2	Settings	1	Ringer time
		2	Connection No.
		Selects the connection number settings to use. The following settings are available:	
		1	Factory setting
		2, 3	User setting 1/2
		Uses and changes the following settings.	
		1	Access point
		2	i-mode server
			IP address
			HTTP Port No.
			SSL Port No.
		3	Portal server (i-mode server URL)
		4	Mail
		5	User data
			User name
			Password
		6	Streaming Proxy
			IP address
			Port No.
3	i-mode lock	Locks the i-mode function, including mail/MMS.	

i-mode menu screen

From the i-mode menu screen you can access to the iMenu(i/Mail/Message screen, your bookmarks, the entry screen for a URL to be displayed, the access history, the saved pages, the list of Java™ applications and the browser settings.

SK2 or  3 1 to display the i-mode menu screen.

No.	i-mode menu screen menus (Sheet 1 of 3)		
1	iMenu	Accesses the iMenu screen. (see "iMenu screen" on page 42.)	
2	Mail	Displays the Mail screen, on which you can display received mail/MMS, saved draft messages and sent messages, and also create new mail/MMS (see "Mail screen" on page 43).	
3	Java application	Displays the list of Java™ applications (see "Java™ (M7)" on page 67 for details).	
4	SMS	Displays the Message screen, on which you can read received SMS and create new SMS (see "Message (M2)" on page 27).	
5	Bookmarks	Displays the list of bookmarked web pages. Bookmarks options menu	
	1	Open	Displays the highlighted bookmark.
	2	Copy address	Copies the highlighted bookmark URL.
	3	Edit title	Edits the title of the highlighted bookmark.
	4	Add desktop icon	Creates a desktop icon of the URL of the selected bookmark.
	5	Create message	Creates a new message with the highlighted bookmark address in the message text.
	6	Delete one	Deletes the highlighted bookmark.
	7	Delete all	Deletes all the bookmarks.
6	Go to webpage	Displays the URL you key in, the URL in the address history, or the homepage.	
	1	Enter address	Prompts you to key in a web page address.
	2	Address history	Displays the list of addresses in the access history for you to select from. Address history Options menu Add desktop icon: Creates a desktop icon of the URL of the selected history. Create message: Creates a message with the URL of the selected history in the text. Delete one: Deletes the highlighted address. Delete all: Deletes all the addresses in the list.
	3	Go to home	Displays the homepage set in Home page of Settings (See page 41).  <i>This menu is not available, if Set homepage of i-mode menu screen is not set.</i>
	0	Back	Returns to the i-mode menu screen.
7	Saved pages	Displays the list of saved pages. Saved pages are stored in your phone memory so you can see them offline.	

No.	i-mode menu screen menus (Sheet 2 of 3)		
7	Saved pages	Saved pages list Options menu	
		1 Open	Displays the current saved page.
		2 Edit title	Edits the title of the current saved page.
		3 Protect On/Off	Protects or unprotects the current page.
		4 Delete one	Deletes the current saved page.
		5 Delete all	Deletes all the saved pages excluding the protected.
		6 Delete all + Pr.	Deletes all the saved pages including the protected.
		Saved pages details Options menu	
		1 Save image	Saves an image as a file on the current saved page.
		2 Edit title	Edits the title of the current saved page.
		3 Certificate info	Displays the certificate information on the current saved page.
		4 Page info	Displays the URL on the current saved page.
		5 Protect On/Off	Protects or unprotects the current page.
		6 Delete	Deletes the current saved page.
8	Settings	Changes the settings of your browser.	
		1 Set time out	Disconnects the connection after the set time. You can set 60 seconds or 90 seconds, or disable this function.
		2 Load images	Sets whether to display images contained in web pages.
		3 Wrap text	Sets whether to display text as is on web pages and mail/attachment text, or wrap it to fit your phone's screen.
		4 Certificates	Displays the certificate information and validates/invalidates a certificate.
		5 Send terminal info	Sets whether to display a confirmation message before sending the terminal information to the Information Providers (IPs).  If you agree to send private information (e.g. production serial No. and SIM No.) to the IPs via the Internet, it may be obtained by others.
		6 Set homepage	Validates the homepage and sets the URL.  You can display the homepage by pressing and holding  from the standby screen.
		7 Video auto play	Sets whether to play a video file automatically after or during download.

No. i-mode menu screen menus (Sheet 3 of 3)				
8	Settings	8	Check settings	Displays all the options set for the settings (browser).
		0	Back	Returns to the i-mode menu screen (see "i-mode menu screen" on page 39).

 Depending on the conditions, some options may be displayed in gray and not be available.

iMenu screen

From the iMenu screen you can access the various services provided by your i-mode service operator.

 SK2 or  3 1 to display the i-mode menu screen → 1 to display the iMenu screen

Browser Options menu

You can use the function menus of your browser such as adding a bookmark, saving a web page and creating a message.

 From the iMenu screen or while downloading,  to display the browser options menu.

No.	Browser options menu
-	Add bookmark Bookmarks the current page.
-	Bookmarks Displays the Bookmark list.  This option is displayed only when one or more bookmarks are registered.
-	Save image Saves an image on the current page.  This option is displayed only when one or more images are displayed on the current screen.
-	Save page Saves the current page.
-	Add to phonebook Saves the phone number displayed in the current page in the phonebook.  This option is displayed only when one or more phone numbers are displayed on the current screen.
-	Certificate info Displays the server certificate of the current page.  This option is displayed only when the current page is a SSL page.
-	Go to webpage Displays a page by keying in the URL or using the access history (see "Go to webpage" on page 40).
-	Reload Updates the data on the current page.
-	Page info Displays the URL of the current page.
-	Add desktop icon Creates a desktop icon of the URL of the current page.
-	Create message Creates a new message with the highlighted phone number or Email address in the message text.

☞ If you agree to send private information (e.g. production serial No. and SIM No.) to the IPs via the Internet, it may be obtained by others.

☞ Pressing CLR or ☰ may not bring back the previous screen. Screen operations depend on the current screen content.

Mail screen

From the Mail screen you can use the i-mode message services.

☞ SK1 or (MENU) 3 1 2 to display the Mail screen.

☞ The available options differ depending on the operators.

☞ If an error occurs while sending mail, it will be saved in the Draft folder as an unsent mail.

☞ The same mail can be sent to up to five addresses.

☞ If you save a mail while editing, it will be saved in the Draft folder.

No.	Mail screen menus (Sheet 1 of 4)	
1	Compose mail	Displays the Compose mail screen (see "Creating a new mail" on page 35).
2	Compose MMS	Displays the Compose MMS screen (see "Creating a new MMS" on page 36).
3	Inbox	Displays the list of received mail/MMS. Inbox list Options menu <ul style="list-style-type: none">– Show all Displays all the received mail/MMS.– Show unread Displays only the unread mail/MMS.– Show read Displays only the read mail/MMS.– Show protect. Displays only the protected mails/MMS.– Delete one Deletes the currently selected mail/MMS.– Delete read mail Deletes all the read mails except protected mails/MMS.– Delete all Deletes all the mails/MMS.– Title sort Sorts the received mails/MMS by title.– Address sort Sorts the received mails/MMS by address.– Date sort Sorts the received mails/MMS by date. Inbox details Options menu <ul style="list-style-type: none">– Reply Replies to the received mail/MMS.– Reply quoted Replies to the received mail quoted.

No. Mail screen menus (Sheet 2 of 4)			
3	Inbox	-	Reply all Replies to the sender and all the recipients of a mail/MMS.
		-	Reply quoted all Replies to the sender and all the recipients of a mail quoted.
		-	Forward Forwards the received mail/MMS.
		-	Delete Deletes the received mail/MMS you are viewing.
		-	Add desktop icon Creates a desktop icon that creates a new message to the sender.
		-	Save address Saves the address of the sender into the phonebook.
		-	Add to phonebook Saves the highlighted phone number into the phonebook.
		-	Create message Creates a new message with the highlighted Email address or phone number.
		-	Save melody Saves the melody attached to the received mail.
		-	Save attachment Saves the attached file.
		-	Copy message Copies the message text.
		-	Copy subject Copies the desired subject text.
		-	Copy address Copies the desired address.
		-	Play attachment Plays the attachment content based on the content setting. Play attachment Options menu
		1	Copy text Copies the text data on the slide.
		2	Save image Saves the image file on the slide.
		3	Save audio Saves the audio file on the slide.
		4	Save video Saves the video file on the slide.
		-	Browse attachment Plays the attachment content manually. Browse attachment Options menu
		1	Copy text Copies the text data on the slide.
		2	Save image Saves the image file on the slide.
		3	Save audio Saves the audio file on the slide.
		4	Save video Saves the video file on the slide.
		5	Save selection Saves the highlighted phone number, Email address or URL to the phonebook or bookmarks.

No.	Mail screen menus (Sheet 3 of 4)						
3	Inbox	-	Browse attachment	6	Create message Creates a message to the destination in the slide text.		
				7	Play slide Plays the highlighted slide.		
		-	Protect On/Off	Protects or unprotects the received mail/MMS.			
4	Sent mail	Displays the list of sent mail/MMS. Sent mail list Options menu					
		-	Title sort	Sorts the sent mail/MMS by their titles.			
		-	Address sort	Sorts the sent mail/MMS by their first destination addresses.			
		-	Date sort	Sorts the sent mail/MMS by the date they were sent.			
		-	Delete one	Deletes the selected mail/MMS.			
		-	Delete all	Deletes all the sent mail/MMS.			
		-	Delete all + Pr.	Deletes all the sent mail/MMS including the protected.			
		Sent mail details Options menu					
		-	Re-edit	Displays the composer to edit the sent mail/MMS again.			
		-	Delete	Deletes the sent mail.			
		-	Add desktop icon	Creates a desktop icon that creates a new message to the addressee.			
		-	Save address	Saves the destination address to the phonebook.			
		-	Add to phonebook	Saves the phone number and mail address contained in the message part.			
		-	Create message	Creates a new message to the highlighted Email address or phone number.			
		-	Copy message	Starts the copy mode in the message part.			
		-	Copy subject	Starts the copy mode in the subject part.			
		-	Play attachment	Plays the attachment content based on the content setting (see "Play attachment" on page 44).			
		-	Browse attachment	Plays the attachment content manually (see "Browse attachment" on page 44).			
		-	Protect On/Off	Protects or unprotects the received mail/MMS.			
5	Draft	Displays the unsent and the saved draft mail/MMS.					
		Draft Options menu					

No.	Mail screen menus (Sheet 4 of 4)			
5	Draft	1	Delete one	Deletes the selected mail/MMS.
		2	Delete all	Deletes all mail/MMS.
6	Check new mail	Checks if there is any new i-mode messages (mail/MMS) for you stored at the mail server.		
7	Mail settings	Changes the mail settings.		
		1	Edit header	Edits the header to be added at the beginning of a mail, and sets whether to add it automatically. ☞ Highlight the checkbox → <input type="checkbox"/> to place a check, to automatically add a header. ☞ Highlight the text box → <input type="text"/> to edit the header → Edit the text → <input type="text"/>
		2	Edit signature	Edits the signature to be added at the end of a mail, and sets whether to add it automatically. ☞ Highlight the checkbox → <input type="checkbox"/> to place a check, to automatically add the signature. ☞ Highlight the text box → <input type="text"/> to edit the signature → Edit the text → <input type="text"/>
		3	Reply marker	Edits the reply markers to be added when replying to a mail with quotations from the original. ☞ Highlight the text box → <input type="text"/> to edit the reply marker → Edit the text → <input type="text"/>
		4	Auto play	Sets whether to automatically play or display the sound, image or video file attached, when you open the mail.
		5	Auto reception	Sets whether to automatically retrieve a mail after receiving the incoming mail notification. ☞ When set to on, your phone will automatically receive mail. If set to off, you will have to manually retrieve from your i-mode service provider using the Check new mail of Mail screen menus (see "Check new mail" on page 46).
		6	Receive attachment	Sets the attachment file type that can be received. ☞ Highlight the file type → <input type="checkbox"/> to place a check.
		7	Attachment data	Selects whether to receive Melody For i-mode (MF) files attached to a mail.
		8	Font size	Sets the font size to display the mail.
		9	Check settings	Displays the values set to the above mail settings.
0	Back	Returns to the i-mode menu screen.		

☞ Depending on the conditions, some options may be displayed in gray and not be available.

The following defines the basic terms used in this section.

Term	Definition
Site (program)	An Internet contents page especially designed for i-mode users, which can be accessed from your i-mode top screen or your IP.
Mail	Mail is the messaging service of i-mode. You can not only exchange messages with other cellphones, but also with PCs, PDAs, etc.
MMS	Multimedia Messaging Service lets you send messages with image/video/sound files attached. The MMS type message is also referred to as an MMS.
Access history	Your phone stores up to 10 URLs you have accessed. You can refer to this list when you want to go to a web page you have accessed recently.
Web page	An Internet contents page compatible to i-mode services, which can be browsed using your phone, including the sites (programs).
Bookmark	A bookmark contains the URL of a web page. You can save up to 50 bookmarks and use them for easier accesses.
Certificate information	If you are displaying a Secure Sockets Layer (SSL) page designed to enable safe data transmission, you will be able to see its certificate information.
IP	Information Provider. Your IP provides you the i-mode sites (programs).
Home page	A web page that is set in your profile as the page to connect to when you press and hold  from the standby screen.
Saved pages	You can save up to 20 web pages in your phone memory, for quick off-line access.
Streaming	Streaming video is received in a continuous stream and is played as it arrives. This type of video cannot be saved to your phone.

Phonebook types

Your phone can have up to 7 directories stored on your SIM card and in your phone memory: Complete (a list of all the numbers stored in the ADN and FDN), personal directories (ADN) in the SIM card, personal directories (ADN) in the phone memory, Service Dialling Numbers (SDN), Fixed Dialling Numbers (FDN), Own number and Voice mail number.

- When viewing any of the directories described, you can switch to the other directories (if your SIM card supports them) by pressing ☰.
- The maximum number of phone numbers that can be stored on a SIM card is the total of the ADN, FDN and SDN directories.
- When you activate the phonebook, the directory which you were referring to the last time will open.

Personal directory (ADN)

These numbers are known as abbreviated dialling numbers (ADN). There are two types of ADN, one is the phonebook stored in the phone memory (the phonebook (Phone)) and the other is the phonebook stored on the SIM card (the phonebook (SIM)).

Phonebook (SIM)

Up to 255 personal data can be stored in the SIM card. Each personal data contains a phone number, a name and a location number.

- The number of phone numbers that can be stored on a SIM card depends on the SIM card capability.

Phonebook (Phone)

Up to 500 personal data can be stored in your phone memory. Each personal data is given a location number (1 to 500), and it can be allocated to a group. To each personal data, you can set the following: 7 phone numbers (Home, Mobile, Work, Data, Fax, Other phone x 2), 2 Email addresses, 2 descriptive information, Group, Voice tag, LED colour, Picture/Video, Ringer and Location number.

- Up to 10 phone numbers can have a voice recognition recording allocated to them.

Fixed dialling numbers (FDN)

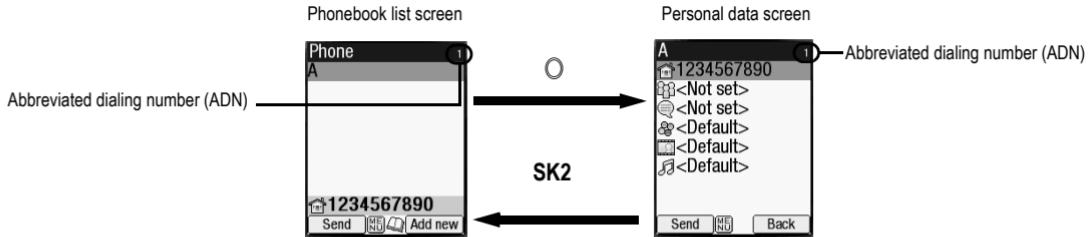
Fixed dialling numbers are a means of limiting which numbers can be called from your phone. With the FDN feature switched on (see page 25), you can call with your phone the numbers you have stored in this phonebook and the emergency number only.

- Although FDN is supported by your phone, it must be present on your SIM card - check with your service provider.

Service dialling numbers (SDN)

The numbers stored in the SDN directory are pre-installed by your service provider. They will call numbers and services as agreed with your supplier (e.g. customer enquiries, billing information, sportslines, weatherlines, etc.) and cannot be edited by you.

- Although SDN is supported by your phone, it must be present on your SIM card - check with your service provider.



Accessing your phonebook (M4)

You can store personal information in the phonebook of your phone or your SIM card.

Displaying a personal data (M41)

- (MENU) 4 1 and the appropriate key for the desired directory or ↗ until the required directory is displayed → Highlight the required personal data
- ○

Displaying information about your phonebook (M42)

- (MENU) 4 2 to display the information about your phonebook.
- This function is SIM dependent.

Call options (M43)

- (MENU) 4 3 to display the Call options screen.
- For details on the Call options screen, see "Call options (M43)" on page 10.

Phonebook list Options menu

- (MENU) 4 1 and the appropriate key for the desired directory or ↗ until the required directory is displayed → Highlight the required personal data
- (MENU)

No.	Phonebook list Options menu	
1	Add new	Adds a new personal data to Phone/SIM/FDN.
2	Edit	Displays the data edit screen to edit the currently highlighted personal data. → When editing the data in FDN, you will be prompted to enter PIN2 code.

No.	Phonebook list Options menu		
3	Copy	Copies personal data to another phonebook (see "Copying and moving personal data" on page 53 for details).	
		1 Current copy	Copies the currently highlighted personal data.
		2 Package copy	Copies the selected data in the list.
4	Move	Moves the currently highlighted personal data to SIM, Phone, FDN, Own number or Voice mail number.	
5	Delete	Deletes personal data.	
		1 Delete current	Deletes the currently highlighted personal data.
6	Groups	Editing the group information	
		<ul style="list-style-type: none"> ☛ Highlight the group you wish to edit → SK1 and highlight the required field ☛ To rename the group name, select Group name field → Key in the name of the group → <input type="text"/> ☛ To set information on the selected group, select Info field → Key in the info → <input type="text"/> ☛ To select the LED colour, select LED field → 1 → Highlight the desired colour → <input type="radio"/> ☛ To select the CLI picture, select Picture field → 1 for Picture → Highlight the desired picture → <input type="radio"/> ☛ To select the ringer, select Ringer field → 1 for Sound or 2 for Video → Highlight the desired ringtone or video → <input type="radio"/> ☛ SK1 to set the change 	
		<ul style="list-style-type: none"> ☛ <i>If the personal settings for the LED colour, CLI picture, or the ringer are also set, they have priority over those of the Group settings.</i> 	
		Group member list screen Options menu	
		<ul style="list-style-type: none"> ☛ Highlight the group you wish to edit → <input type="radio"/> to display the list of group members → Highlight the member → (MENU) 	
		1 Call	Calls the highlighted member.
		2 Create message	Creates a new message to the highlighted member.
		3 Add new	Creates a new phonebook entry to join the group.
		4 Add to group	Adds a phonebook entry to the group.
		5 Remove from group	Removes the highlighted member from the group.
		6 Remove and delete	Removes the highlighted member from the group and delete the phonebook entry at the same time.

No.	Phonebook list Options menu			
6	Groups	7	Add desktop icon	Creates a desktop icon of the phone number/Email address of the highlighted member.
7	Sort	Sorts the personal data in the order of alphabets or location number. ☞ Sorting may take time depending on the number of personal data entries, the number of characters contained in each entry and the type of language.		
		1	Alphabetic	Sorts the personal data alphabetically. ☞ You can jump directly to a name beginning with specific characters by pressing the appropriate key (e.g. press 5 once to jump to names beginning with J, or twice to jump to names beginning with K).
		2	Location	Sorts the personal data in memory location number.
8	Location	Searches for the personal data by the location number. ☞ Key in the desired location number → SK1 to display the Phonebook list screen with the selected personal data highlighted.		
9	Show	Displays phonebook information. 1 Summary Displays the summary of phonebook contents. 2 Voice tag list Displays the phonebook entry names with the voice recognition tags recorded.		
0	Send via Bluetooth	Sends the currently highlighted personal data to another device via Bluetooth. ☞ See also: "Bluetooth data exchange" on page 80.		
*	Add desktop icon	Creates a desktop icon of the highlighted personal data.		

☞ Depending on the conditions, some options may be displayed in gray and not be available.

Making a call or creating a message from the phonebook list

- ☞ Highlight a desired personal data to display the stored numbers or Email addresses in the help area → Use ▲ and ▼ to display the other stored phone numbers or Email addresses, if any, in the help area
- ☞ Press ☎ to make a phone call to the displayed phone number, or press SK1 to send a new message to the phone number or Email address

Adding a new personal data

- ☞ (MENU) 4 1 and the appropriate key for the desired directory, or ☎ until the required directory is displayed → SK2 → Select the directory to which you wish to store the personal data → Enter the name and other necessary information → SK1 (see "Editing an existing personal data" on page 52).

☞ You can also input phone numbers on the standby screen and press ☎ to add a new personal data.

☞ It is best to store numbers using the international number format.

Editing an existing personal data

-  1 and the appropriate key for the desired directory or → until the required directory is displayed → Highlight the required personal data
→  2

- ☒ For the phonebook (SIM) and FDN, only the name, phone number and the location number can be added or edited in the following procedures.
- ☒ For the own number and voice mail number settings, only the name and phone number can be added or edited in the following procedures.

Adding/editing phone numbers, Email addresses & personal information

- ☛ Highlight the field you wish to edit or add information to →
- ☛ Add the required number or information or make necessary changes to the selected field →
- ☛ Highlight another field to make further changes, if required

- ☒ You can edit the Name, Phone number, Email address and Info fields by the above method.

Allocating a group

- ☛ Highlight the Group field → → Highlight the group you wish to add the current personal data to →

Voice recall functions

Adding a Voice recall recording

- ☛ Highlight the Voice tag field → → 1
- ☛ Say the name you wish to record as a voice tag → Say the name again for confirmation according to the displayed message

Playing a Voice recall recording

- ☛ Highlight the Voice tag field → → 2

Deleting a Voice recall recording

- ☛ Highlight the Voice tag field → → 3

- ☒ Up to 10 voice tags can be stored.

- ☒ You can check the number of stored voice tag and list of those tags (see "Summary" and "Voice tag list" on page 51).

Allocating a LED colour

- ☛ Highlight the LED colour field → → 1 → Highlight the desired colour →

- ☒ The personal setting for the LED colour has priority over the Group setting and phone setting for the LED colour.

Allocating a picture as a CLI

You can set a picture to be displayed on the screen as a Calling Line Identification (CLI) for an incoming call.

- ☛ Highlight the Picture field → → 1 to display the picture list screen
- ☛ Highlight the desired picture → SK1 to preview the picture or to select the highlighted picture
- ☒ A ✓ is displayed on the icon for which the item is currently selected.

↳ See also: "Pictures (M63)" on page 62.

Allocating sound/video as a ringer

You can set a sound or video as a ringer for an incoming call. When a video is set, a movie is displayed on the screen with the sound.

☛ Highlight the Ringer field → 1 to display the sound list screen or 2 to display the video list screen

☛ Highlight the desired sound or video → SK1 to preview the file or to select the highlighted file

☛ A ✓ is displayed on the icon for which the item is currently selected.

☛ If the video as a ringer is set, it will sound and will be displayed on the screen regardless of the CLI picture setting.

↳ See also: "Sounds (M62)" on page 61.

Allocating a location number

☛ Highlight the Location number field → → Key in the desired location number →

Saving the edited personal data

☛ After editing the required fields, SK1 to save the edited data and return to the previous screen.

Copying and moving personal data

☛ **MENU** 4 1 and the appropriate key for the desired directory or until the required directory is displayed → Highlight the required personal data/ list of data → **MENU** 3 to copy or **MENU** 4 to move

☛ For copying, 1 to copy the highlighted personal data or 2 to copy all the personal data in the current list

☛ Press the appropriate key for the desired destination (SIM, Phone, FDN, Own number or Voice mail number)

☛ If you copy or move from phonebook (Phone), the Origin number screen will be displayed to choose which phone number to copy.

☛ Key in the desired location number →

☛ If you copy or move to phonebook (Phone), the Number type screen will be displayed to choose which phone number type to copy to.

Personal data Options menu

☛ **MENU** 4 1 and the appropriate key for the desired directory or until the required directory is displayed

☛ Highlight the required data → → Highlight the required field → **MENU**

No.	Personal data Options menu	
1	Call	Calls the highlighted phone number.
2	Create message	Creates a new message to the highlighted phone number or Email address.
3	Send via Bluetooth	Sends the selected personal data to another device via Bluetooth.
4	Edit	Edits the selected personal data.

No.	Personal data Options menu (Continued)	
5	Copy	Copies the selected phone number(s)/Email address(es). → Press the appropriate key for the desired destination (SIM, Phone, FDN, Own number or Voice mail number) → Key in the desired location number → 
6	Move	Moves the currently highlighted personal data. → Press the appropriate key for the desired destination (SIM, Phone, FDN, Own number or Voice mail number) → Key in the desired location number → 
7	Delete current	Deletes the selected personal data.
8	Add desktop icon	Creates a desktop icon of the selected personal data.

 See also: "Phonebook list Options menu" on page 49 for the operation of 4 (Edit), 5 (Copy), 6 (Move) and 7 (Delete current).

Voice mail (M417)

Voice mail function enables you to forward received calls to the Voice mail centre, and the caller can leave voice messages in your voice mail mailbox. You may be notified by an icon on the standby screen if the caller leaves a voice message.

 **The voice mail service is network dependent. Contact your service provider for details on your voice mail number.**

Setting the Voice mail number

 This function is available when the Voice mail number has not been set.

→  4 1 7 → Highlight the required line →  twice →  → key in the voice mail number →  → **SK1** to save the change.

Forwarding a call to the Voice mail centre

→ Set the voice mail centre number (see "Setting the Voice mail number" for details) → Set up Call diversion (see "Call diversion (M161)" on page 12 for details). When you receive a call set to be diverted, the call will be diverted to the voice mail centre.

Retrieving a Voice mail

 This function is available when the Voice mail number has been set.

→  4 1 7 → Highlight the required line → 

 You can also retrieve a voice mail by pressing and holding **1** from the standby screen.

 To set up the line to call the voice mail centre, see "ALS setup" on page 20 for details.

Camera (M5)

Camera function enables you to take pictures or record videos and save them as Joint Photographic Expert Group (JPEG) files and 3rd Generation Partnership Project (3GPP) files respectively. You can enjoy the picture and video files in many ways: send them attached to an MMS or Email, set a picture file as the wallpaper for your phone, etc.

Notes on using the camera

Handling the Camera

-  **The camera of your phone is manufactured using high-precision technology. However, there may be dots or lines on the screen that appear darker or brighter than the others. Note also that when you are shooting or recording in dimly-lit places, the amount of noise (such as red and blue dots or horizontal lines) may increase noticeably.**
-  **Be careful not to apply force to the lens when closing your phone. This could damage the lens.**
-  Fingerprints or grease on the lens can result in focusing problems or dark images. Wipe the lens clean with a soft cloth before use.
-  The image quality may be degraded after your phone has been left for a long period in a warm place.
-  Exposing the camera to direct sunlight for a long period could discolour the camera's internal colour filter and cause discoloured images.
-  Camera mode is automatically cancelled if none of the phone's keys are pressed for 3 minutes or longer.

Precautions when taking pictures/recording videos

-  You cannot switch the camera's shutter sound off. The shutter makes a clicking sound when you take a picture or start/end a video recording, even when the phone is in Meeting mode.
-  Avoid camera shake. Moving the phone when you take a picture will result in a blurred image. Hold the camera firmly to keep it still when you take a picture, or use the auto timer to take the shot.
-  As there is a slight delay from the time you press **Q** or **Side up** until the picture is actually taken, do not move the camera until you hear the shutter sound.
-  If taking a picture with not enough light, try to hold the phone still as much as possible, and for a longer period of time after the shutter sound: the shutter speed may be slower in a darker environment.
-  Note that if you attempt to shoot directly into a strong light source, such as the sun, another bright light or the high reflecting target with strong light, the image may contain washed-out white highlights or be disrupted.
-  While recording, be careful not to cover the mouthpiece of your phone as it is used as the microphone to record sound along with the video.

Copyright information

-  Images and videos shot or recorded on your phone cannot be used in ways that infringe copyright laws without the consent of the copyright holder, unless intended only for personal use. Note that some restrictions apply to the photographing of stage performances, entertainments and exhibits, even when intended purely for personal use.

Users are also asked to note that the transfer of images protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.

 Be considerate of other people's privacy when you take a picture or record a video using the camera of your phone and send it to others.

Taking a picture (M51)

- ☛ To activate the camera function, press and hold **Side up** or press  **5 1**
- ☛ When you highlight Camera on the Camera screen, pressing **SK1** creates a desktop icon of the camera function on the standby screen.
- ☛ Look into the camera view finder screen and adjust the camera position to place the target on the screen.
- ☛ You can switch the camera view finder screen between the main-LCD and the 2nd-LCD by pressing *****.
- ☛ You can take a picture while the phone is closed.
- ☛ Hold the phone still → To use the shutter, **O** or **Side up** → Check the picture → If successfully taken, **O** → Saved as a JPEG file in a folder in Pictures
- ☛ After taking a picture, press **SK1** to send the taken picture attached to a message, and press **SK2** to discard the picture.
- ☛ The default file name for the picture saved in the folder is the date, month, year and sequence number. When you take pictures in burst mode, the saved files will be named by the default file names plus a consecutive two-digit number at the end.
- ☛ If a call comes in while you are checking or saving a photographed image, image storage is cancelled. When this occurs, the next time you select camera function a message appears to say that you have an image that was not stored, allowing you to check and store the image.
- ☛ Before taking a picture, you can switch to the video camera function by pressing **SK2**. This use of **SK2**, however, is invalid if the self-timer function is activated.

Operations when taking a picture

- ☛ To turn the light on or off, **SK1** or **Side down**
- ☛ Take care not to hold the light too close to your or other people's eyes when the light is lit.
- ☛ To zoom in and out, **▲** or **▼**
- ☛ You can also select 1x, 2x, 3x, 4x or 5x magnification from the Zoom setting on the Camera Options menu.
- ☛ To turn on/off the camera view finder on the full screen, press **#**.
- ☛ Depending on the photo size, there may be parts not seen on the full screen view finder display in the saved picture.
- ☛ To control the brightness level of the picture, **◀** or **▶**

Camera Options menu (before taking a picture)

No.	Camera Options menu (before taking a picture)
1	Single mode/Burst mode Switches the shooting mode to Single/Burst mode (serial shooting).
2	Shoot environment Changes the camera settings to suit the environment. Select from Standard, Person, Room or Darkness.

No.	Camera Options menu (before taking a picture) (Continued)	
3	Effect	Applies special effect to the picture. Select from Off, Sepia, Monochrome, or Negative film.
4	Photo size	<p>Sets the picture size to T1 : 128x96 pixels, T2 : 176x144 pixels, T3 : 176x220 pixels, T4 : 352x288 pixels, T5 : 640x480 pixels or T6 : 1280x1024 pixels.</p> <p>☞ You cannot use the Zoom function for T5 and T6, and you can select 1x to 2x magnification for T3 and T4, 1x to 4x magnification for T2 and 1x to 5x magnification for T1.</p> <p>☞ You can use the Frame and Burst mode functions for T1, T2 and T3.</p> <p>☞ You cannot use the Full screen function for T1 and T2.</p> <p>☞ If you select T3, T4, T5 or T6, the picture on the camera view finder screen will be displayed as a smaller picture than the actual size. Also on the camera view finder screen, the picture size before shooting differs from the size after shooting.</p>
5	Image quality	Sets the image quality to Super fine, Fine, Normal, Economy or Super economy.
6	Frame	Selects whether to use a frame when taking pictures, and sets the desired frame with which a picture will be taken.
7	Self timer/Self timer cancel	Activates or deactivates the self-timer function.
8	Sound settings	Selects the Shutter sound and Self timer sound.
9	Pictures	Opens Pictures in My data.
0	Other settings	<p>Add desktop icon: Creates a desktop icon of the camera function on the standby screen.</p> <p>Automatic save: Selects whether to save taken pictures automatically or not.</p> <p>Save in: Selects the folder (preset or created) where the taken picture will be saved.</p> <p>Light: Turns the light on or off.</p> <p>Brightness: Changes the brightness level of the picture between -2 and +2.</p> <p>Zoom: Changes the zoom magnification from 1x, 2x, 3x, 4x or 5x.</p> <p>Thumbnail view: Selects whether to display the pictures taken in the Burst mode as thumbnails or slides.</p> <p>Video recorder: Activates the video function.</p> <p>Flicker control: Selects 50Hz, 60Hz or Auto to prevent flickers when taking a picture under a fluorescent light.</p>
*	Switch finder	Selects whether to display the camera view finder on the main-LCD or the 2nd-LCD.
		☞ On the 2nd-LCD view finder, the object appears as a mirrored image.
#	Full screen	Turns the Full screen on or off.

☞ Depending on the conditions, some options may be displayed in gray and not be available.

Camera Options menu (after taking a picture)

No.	Camera Options menu (after taking a picture)	
1	Save current	Saves the currently displayed picture in the folder selected as Save in setting.
2	Save all	Saves all pictures taken in Burst mode.
3	Create message	Creates a new message with the file attached.
4	Set as wallpaper	Sets the picture to be the main-LCD or 2nd-LCD wallpaper.
5	Display as normal image/ Display as mirror image	Selects whether to display the taken picture as a normal or mirror image on the main-LCD preview screen when you select the 2nd-LCD as a camera view finder in Single mode.
6	Save as mirror image	Saves the picture as a mirror image when you select the 2nd-LCD as a camera view finder in Single mode.
7	Thumbnail view	Selects whether to display the pictures taken in the Burst mode as thumbnails or slides.
8	Automatic save	Selects whether to save taken pictures automatically or not.
9	Save in	Selects the folder (preset or created) where the taken picture will be saved.
0	Pictures	Opens Pictures in My data.

Depending on the conditions, some options may be displayed in gray and not be available.

Recording a video (M52)

Recording a video

To record a video, keep your phone open at all time. Unlike taking a picture, you cannot record a video while the phone is closed.

- Press and hold **Side up** then **SK2**, or press **MENU** 5 2 → Look into the view finder screen and adjust the camera position.
- When you highlight **Video** on the Camera screen, pressing **SK1** creates a desktop icon of the video function on the standby screen.
- You can switch the camera view finder screen between the main-LCD and the 2nd-LCD by pressing *****.
- To start recording, **O** or **Side up** → The progress bar will show the ratio of how much you have recorded already.
- While recording, be careful not to cover the mouthpiece of your phone as it is used as the microphone to record sound along with the video.
- While recording, the key tones are deactivated.
- Move the camera to capture the scenes you want → To stop recording, press **O** or the **Side up**.
- After the set video file size is reached, the recording automatically stops.
- After recording, press **SK1** to replay the recorded video, and press **SK2** to send the video file attached to a message.
- While replaying, you can fast forward by pressing **▶** or rewind by pressing **◀**. Pressing **SK1** or **O** will stop the fast forwarding/rewinding. Then, pressing **SK1** will restart and continue the replay.

- ▶ You can discard the recorded video by pressing  or **CLR**.
- ▶ To save the recorded video, . The recorded video is saved as a 3GPP file in the Videos - My movies folder in My data (see page 61).
- ▶ Pressing **#** before/while playing a video file will enlarge the replay screen size, and pressing **#** will return the screen size to normal for T1 : 128x96 pixels only.
- ▶ The default file name for the recorded video saved in the folder is the date, month, year and sequence number.
- ▶ For the operations while replaying the video, see "Videos (M61)" on page 61.
- ▶ For the operations while recording a video, see "Operations when taking a picture" on page 56.
- ▶ If a call comes in while you are checking or saving a video, video storage is cancelled. If this occurs, the next time you select camera function a message appears to say that you have a video that was not stored, allowing you to check and store the video.
- ▶ Before recording a video, you can switch to the camera function by pressing **SK2**. This use of **SK2**, however, is invalid if the self-timer function is activated.

Operations when recording a video

- ▶ To turn the light on or off, **SK1** or **Side down**
- ▶ Take care not to hold the light too close to your or other people's eyes when the light is lit.
- ▶ To zoom in and out,  or 
- ▶ To control the brightness level of the picture,  or 

Camera Options menu (before recording a video)

No.	Camera Options menu (before recording a video)	
1	Shoot environment	Changes the camera settings to suit the conditions. Select from Standard, Person, Room or Darkness.
2	Effect	Applies special effect to the video. Select from Off, Sepia, Monochrome, or Negative film.
3	Screen size	Sets the video screen size to T1 : 128x96 pixels or T2 : 176x144 pixels.
4	Video file size	Sets the video file size to Mail size or Normal size.
5	Quality	Sets the video quality to High or Standard.
6	Self timer/Self timer cancel	Activates or deactivates the self-timer function.
7	Self timer sound	Selects the self timer sound from Sound1, Sound2 or Sound3.
8	Videos	Opens Videos in My data.

No.	Camera Options menu (before recording a video)		
9	Other settings	Add desktop icon: Save in: Light: Brightness: Zoom: Camera: Flicker control:	Creates a desktop icon of the video function on the standby screen. Selects the folder (preset or created) where the recorded video will be saved. Turns the light on or off. Changes the brightness level of the video between -2 and +2. Changes the zoom magnification from 1x to 5x for T1 and from 1x to 4x for T2. Activates the camera function. Selects 50Hz, 60Hz or Auto to prevent flickers when taking a picture under a fluorescent light.
0	Switch finder	Selects whether to display the viewfinder on the Main-LCD or the 2nd-LCD.	

 Depending on the conditions, some options may be displayed in gray and not be available.

Camera Options menu (after recording a video)

No.	Camera Options menu (after recording a video)	
1	Save	Saves the currently displayed video.
2	Create message	Creates a new message with the file attached.
3	Set as ring tone	Sets the video as the ringtone.
4	Set as wallpaper	Sets the video to be the main-LCD wallpaper.
5	Full screen	Selects whether to enlarge the replay screen size.  You cannot use the Full screen function for T2 : 176x144 pixels.
6	View detail	Displays detailed information on the selected video.
7	Save in	Selects the folder (preset or created) where the recorded video will be saved.
8	Videos	Opens Videos in My data.

 Depending on the conditions, some options may be displayed in gray and not be available.

My data (M6)

Using My data, you can playback sound and MP3 files, or display pictures and videos downloaded from the Internet or captured with the camera function of your phone.

Videos (M61)

In the following section, how to playback video files (videos) stored in your phone is described. You can either record videos using your phone, download them from the Internet, receive them attached to messages. There are two pre-set folders: My Movies and Download.

Replaying the video files

- ☛ ▼ 1 or  6 1 → Highlight a folder → ► or ○ → Highlight a video file you wish to replay → ► or ○ → The video file will be replayed.
- ☛ When the flat view function is activated, the list of folders is not displayed. The list of all the stored video files is displayed.
- ☛ If you wish to move to another hierarchy folder, use ◀ and ►
- ☛ Pressing # on the video preview screen will enlarge the replay screen size, and pressing # again will return the screen size to normal for T1 : 128x96 pixels only.
- ☛ For the definitions of the icons displayed while replaying, see "LCD and displayed icons" on page viii.
- ☛ To create your own playlist, see "Music player (M81)" on page 68.

Operations while replaying video

- ☛ To stop, SK2
- ☛ To pause, SK1 → While pausing, SK1 again to restart and continue the replay.
- ☛ To fast forward/rewind, ► or ◀ → SK1 or ○ will stop the fast forwarding/rewinding.
- ☛ To enlarge the replay screen size, # for T1 : 128x96 pixels only
- ☛ To adjust the volume, Side keys
- ☛ To display the previous/next file, ▲ or ▼
- ☛ You cannot fast forward, rewind or enlarge the screen for video files with only sound but no image.

Sounds (M62)

In the following section, how to playback sound files stored in your phone is described. There are three pre-set folders: Download, Preset and Voice memo.

Selecting and playing sound

- ☛ ▼ 2 or  6 2 → Highlight a folder → ► or ○ → Highlight a sound file you wish to replay → ► or ○
- ☛ When the flat view function is activated, the list of folders is not displayed. The list of all the stored sounds files is displayed.
- ☛ If you wish to move to another hierarchy folder, use ◀ and ►

Operations while playing sound

- ☛ To stop, SK2
- ☛ To adjust the volume, Side keys.

- 👉 To replay the previous/next file, ▲ or ▼

Pictures (M63)

The Pictures function allows you to display images and animations, which were obtained with the camera function of your phone, received as a file attached to MMS messages, or downloaded from the Internet. The images can also be edited using this function. From the Pictures function you can also attach images and animations to messages you compose. There are five pre-set folders: Photo, Download, Preset, Frame, and Stamp.

Displaying the Pictures view screen

- 👉 ▼ 3 or **(MENU) 6 3** → Highlight a folder → ▶ or ○ → Highlight an image file you wish to display → ▶ or ○
- 👉 To display the previous/next image file, ▲ or ▼

📘 When the flat view function is activated, the list of folders is not displayed. The list of all the stored image file is displayed.

📘 If you wish to move to another hierarchy folder while the Thumbnail view is turned off, use ◀ and ▶

Cutting the image

- 👉 Highlight or display the image file you wish to edit → **(MENU) 1 3** → Select the image size → A frame indicating the cut area appears on the preview screen.
- 👉 Move the frame position → ○ → **SK1** if the image is favorable
- 📘 When you select Free, a cross indicator appears on the preview screen. Move it to the point to start a frame and ○ to confirm the position. Then, expand the frame into the required size and ○ to confirm.

Reducing the image size

- 👉 Highlight or display the image file you wish to edit → **(MENU) 1 4** → Select the image size → **SK1** if the image is favorable

Rotating the image

- 👉 Highlight or display the image file you wish to edit → **(MENU) 1 5** → **SK1** to rotate the image 90 degrees clockwise.
- 👉 Keep pressing **SK1** until the image is at the required angle → ○ to confirm

Decorating the image with stamps

- 👉 Highlight or display the image file you wish to edit → **(MENU) 1 6**
- 👉 To apply a marker stamp, **1** → Highlight the required stamp → ○ → The marker stamp position is displayed in centre
- 📘 If you wish to preview the highlighted stamp, press **SK1**. To display the previous/next stamp, ▲ or ▼.
- 👉 To apply a text stamp, **2** → Key in the text → ○ → The text stamp position is displayed in centre
- 👉 Move the stamp position → ○ to confirm → The stamp preview is displayed again. Repeat applying if necessary, or **(MENU)** to select another stamp.
- 👉 **SK1** when finished applying the stamp (the stamp preview will not be applied this time)

Adding a frame to the image

- Highlight or display the image file you wish to edit → **(MENU) 1 7** → Highlight a frame → **○** to preview the resulting image → Scroll through the various frames by **▲** and **▼** → **○** to confirm.

Saving the edited image

- After any edition, **SK1** or **○** to save the edited image → Select the Save Quality
- SK1** to check the expected size of the image.
- Edit the name (if required) → **○**

Printing an image using a printer

You can print an Exif format image file by connecting your phone to a PictBridge compatible printer using a USB cable (option).

- There may be PictBridge compatible printers that cannot be connected to your phone.**
- Refer to the operation manual of the printer for details on the printing.**

- ▼ 3 or (MENU) 2 3** → Highlight a folder → **►** or **○** → Highlight an image file you wish to print → **(MENU) 2 4**
- "Print via USB" may be displayed in gray and unavailable, depending on the image file.**
- Connect your phone and the printer with the USB cable → Prepare the printer ready for printing, referring to its manual
- Check the print detail screen displayed
 - To print as seen on the detail screen, **SK1**
 - To edit the print detail and then print, **(MENU)** on the print detail screen to display the Options menu → Edit the detail using the Options menu → **SK1**
- The Options menu may change depending on the connected printer.**

If any interruption or error occurs, or the printing is not completed normally, pull out the USB cable and start again from the first step.

No.	Print via USB Options menu
1	Number of prints Sets the number of prints to output.
2	Layout detail Selects the paper size, paper type and layout to print the image file.
3	Print quality Selects the required quality of printing.
4	File name Selects whether or not to print the file name on the paper.
5	Date Selects whether or not to print the date on the paper.

- If you want to print multiple images on one sheet, set both the settings for Number of prints and N-up on Layout screen under Layout detail. For example, 4 for Number of prints and 2 for N-up will print 2 sheets with 2 half-sized images per sheet.**

MP3 (M64)

In the following section, the procedures to display and play your MP3 files are described. There is one pre-set folder: Download.

Selecting and playing an MP3 file

- ☛ **▼ 4 or  6 4** → Highlight the MP3 file you want to play →  or 
- ☛ When the flat view function is activated, the list of folders is not displayed. The list of all the stored MP3 files is displayed.
- ☛ To create your own playlist, see "MP3 player (M82)" on page 69.

Operations while playing an MP3 file

- ☛ To stop, **SK2**
- ☛ To adjust the volume, **Side** keys.
- ☛ To replay the previous/next file,  or 

File selector Options menu

- ☛ Display the Videos/Sounds/Pictures/MP3 list screen → 

No.	File Selector Options menu	
1	Edit item Rename item: Set protection: Cut: Reduce: Rotate: Stamp tool: Frame: ☛ You cannot use the Cut and Rotate functions for T6. ☛ You can only use the Stamp tool and Frame functions for T1, T2 and T3.	Edits the user title or name of the selected folder or file. Sets the protection settings of the selected folder or file on/off. Cuts the selected picture into T1 : 128x96 pixels, T2 : 176x144 pixels, Main-LCD (176x220), 2nd-LCD (128x128) or Free. Reduces the selected picture to fit within T1 : 128x96 pixels, T2 : 176x144 pixels, Main-LCD (176x220) or 2nd-LCD (128x128). Rotates the selected picture. Adds a marker or text stamp on the selected picture. Sets a frame to the selected picture.
2	Use item (Videos)	Set as ring tone: Set as wallpaper: Send via Bluetooth:

No.	File Selector Options menu		
2	Use item (Sounds)	Set as ring tone: Set as SMS tone: Set as Mail tone: Send via Bluetooth:	Sets the selected sound to be the ring tone. Sets the selected sound to be the SMS tone. Sets the selected sound to be the Mail tone. Sends the selected sound via Bluetooth to other devices or a cellphone.
2	Use item (Pictures)	Set as wallpaper: Add desktop icon: Send via Bluetooth: Print via USB:	Sets the selected image to be the main-LCD or 2nd-LCD wallpaper. Creates a desktop icon for the selected image on the standby screen. Sends the selected image via Bluetooth to other devices or a cellphone. Prints the selected image file using a PictBridge printer via USB cable (see page 63).
2	Use item (MP3)	Send via Bluetooth:	Sends the selected MP3 through Bluetooth to other devices or a cellphone.
3	Create message	Creates a new message with the file attached. <i>↳ This function is not available for the MP3 files.</i>	
4	Delete item	Deletes the selected file and folder.	
5	Delete all	Deletes all the files in the current list.	
6	Copy item	Copies the selected file or folder to the selected folder.	
7	Copy all	Copies all the files in the current list to the selected folder.	
8	Move	Moves the selected file/folder or all the files in the current list to the selected folder.	
9	Create folder	Creates a new folder under the current folder.	
0	Storage detail	Displays the current storage information of your phone memory.	
*	View detail	Displays the details of the selected folder or file. <i>↳ You can also display the details on the highlighted folder or file by pressing * without displaying the Options menu.</i>	

No.	File Selector Options menu		
#	Options	Sorting order: Info column:	Sorts the files by date or alphabetically. Sets whether to display the column on the list screen, and the information to be shown there. None: No column showing Size: Approximate size of the file Type: File type You can also change the information on the column by pressing # without displaying the Options menu.
		Thumbnail view:	Displays the files as thumbnails.
		Flat view:	Displays the list of all the stored files regardless of the folder hierarchy.
		Save options:	Saves the current option settings.
		Reset options:	Resets the option settings.

- ▣ Depending on the conditions, some options may be displayed in gray and not be available.
- ▣ Depending on the size of the data, file selector operation may take a long time.
- ▣ Neither protected data nor preset data and folders can be deleted or moved.

Java™ (M7)

You can download Java™ applications (games etc.) from i-mode sites and run them on your phone.

Programs (M71)

How to run software

To run a software (Java™ application), perform the following.

- 👉  7 1 or press and hold **SK2** → Highlight an application containing the software you want to run → 
- 👉 *When you display the Java™ applications list screen for the first time after downloading a program(s), it may take a while for your phone to verify the program(s). A message will be displayed during this process, and you may activate the program(s) after it is completed.*
- 👉 **After downloading the software, always make sure that you check the downloaded program is displayed in the Applications screen.**
- 👉 **Do not remove the battery while the software is running as data to that point may not be saved.**
- 👉 *While the software is active, the Java™ operation icon is displayed (see page viii).*

Java™ System menu

- 👉  7 1 → Highlight an application → 

No.	System menu
1	Description setting Selects whether to display the information of the selected application.
2	Delete all Deletes all the applications.
3	Storage status Displays the status of Java™ applications currently stored in your phone.
4	Trace info. Displays the trace information.
5	About Displays the information of the Java™ system.

👉 *Depending on the conditions, some options may be displayed in gray and not be available.*

Application menu

- 👉  7 1 → Highlight an application you want to run → **SK1**

No.	Application menu
1	Properties Displays the information of the selected software.
2	Upgrade Makes an enquiry on whether the selected software has an upgrade. If there is, starts downloading the data.
3	Delete Deletes the selected software.

No.	Application menu	
4	Network connection	Permits/prohibits the selected software to connect to the network or displays the confirmation message every time you start the selected software.
5	Auto start setting	Enables or disables the automatic start of a complying Java™ application.

 Depending on the conditions, some options may be displayed in gray and not be available.

Prog backlight (M72)

You can set the backlight mode of your phone.

-   7 2 → 1 to set your phone to follow the normal backlight setting, or press 2 to let the backlight be controlled by the Java™ application.
-  If you set your phone to follow the normal backlight setting, the current power save settings will be active (see "Power saving (M15)" on page 23).
-  When the software is not running, the backlight operation depends on your phone's backlight settings.

Accessory (M8)

Music player (M81)

This feature allows you to create a Playlist to play music files in the order you desire. You can add AAC files saved in your phone to the Playlist (see "Videos (M61)" on page 61) or change the order of the AAC files within the Playlist.

-   8 1 → SK1 to play → After playing, SK2 to stop.
-  To change the volume, **Side** keys.
-  To play the previous file, ▲
-  To play the next file, ▶ or ▼
-  To play from the beginning of the music being played, ◀
-  When there are no AAC files saved in the Playlist, the Playlist screen will be displayed in stead of the Music player screen.
-  When you use a headset, you can start or stop playing by pressing the button on it, and play the next file by pressing and holding it.

Music player Options menu

8 1

No.	Music player Options menu	
1	Playlist	<p>Displays a list of AAC files in the order in which they are played.</p> <p> You can save up to 30 AAC files in the Playlist depending on the size of each file.</p> <p> The AAC files that are deleted from Video or My data or erroneous AAC files are displayed in gray and cannot be played.</p> <p>  to display the Playlist Options menu below, or SK1 to add an AAC file.</p> <ul style="list-style-type: none">1 Add item Adds an AAC file in your phone to the Playlist.2 Move item Moves the highlighted AAC file in the Playlist.3 Delete item Deletes the highlighted AAC file from the Playlist.4 Delete all Deletes all the AAC files from the Playlist.5 View detail Displays the properties (folder title and status) of the highlighted AAC file.
2	Play mode	<p>Normal: Plays all the AAC files in order from top to bottom of the Playlist once.</p> <p>Repeat all: Plays all the AAC files in the Playlist repeatedly.</p> <p>Repeat one: Plays the selected AAC file repeatedly.</p>
3	Add desktop icon	Creates a desktop icon of the Music player function on the standby screen.
4	Notify message	Selects whether or not to stop playing AAC files and notify you of the receipt of a new message.

 Depending on the conditions, some options may be displayed in gray and not be available.

MP3 player (M82)

This feature allows you to create a Playlist to play MP3 files in the order you desire. You can add MP3 files saved in your phone to the Playlist (see "MP3 (M64)" on page 64) or change the order of the MP3 files within the Playlist.

   **8 2**  **SK1** to play  After playing, **SK2** to stop.

 To change the volume, **Side** keys.

 To play the previous file, 

 To play the next file,  or 

 To play from the beginning of the music being played, 

 When there are no MP3 files saved in the Playlist, the Playlist screen will be displayed in stead of the MP3 player screen.

When you use a headset, you can start or stop playing by pressing the button on it, and play the next file by pressing and holding it.

MP3 player Options menu

◀ (MENU) 8 2 (MENU)

No.	MP3 player Options menu	
1	Playlist	<p>Displays a list of MP3 files in the order in which they are played.</p> <p>You can save up to 30 MP3 files in the Playlist depending on the size of each file.</p> <p>The MP3 files that are deleted from MP3 of My data or erroneous MP3 files are displayed in gray and cannot be played.</p> <p>◀ (MENU) to display the Playlist Options menu below, or SK1 to add an MP3 file.</p>
	1	Add item
	2	Move item
	3	Delete item
	4	Delete all
	5	View detail
2	Play mode	<p>Normal: Plays all the MP3 files in order from top to bottom of the Playlist once.</p> <p>Repeat all: Plays all the MP3 files in the Playlist repeatedly.</p> <p>Repeat one: Plays the selected MP3 file repeatedly.</p>
3	Equalizer	<p>Selects from Rock, Jazz, Pop and Off to obtain the desired tone.</p> <p>The selected Equalizer setting applies to all the MP3 files in the Playlist.</p>
4	Add desktop icon	Creates a desktop icon of the MP3 player function on the standby screen.

Depending on the conditions, some options may be displayed in gray and not be available.

Calculator (M83)

You can perform addition, subtraction, multiplication and division with the calculator. It also has a memory function.

◀ (MENU) 8 3

The calculator can display a result of up to 9 digits. If a calculation results in a number exceeding the maximum, the screen displays error in the calculation field.

Calculator Key Assignment

For calculator function, the keys are assigned different functions. The following shows the key assignment:

Key	Operation	Key	Operation
►	Addition (+)	◀	Subtraction (-)
▲	Multiplication (×)	▼	Division (÷)
○	Equals to (=)	SK2	Memory Store/Memory Addition
SK1	Memory Recall/Memory Cancel (Press twice)	%	Percent (%)
()	Inversion (±)	ⓧ	Exit calculator
()	Decimal Point (.)	CLR	Delete digit (if held, all clear)

 Using the % function, you can calculate $(100 + x) \%$ of a figure (e.g. $200 + 5\% = 210$) and $(100 - x) \%$ of a figure (e.g. $200 - 5\% = 190$).

Clock alarm (M84)

This feature enables you to switch the clock alarm function on/off and to set the time, repetition and alarm tone.

Turning the alarm on/off

  8 4

Clock alarm setting	
On/Off	Turns on or off the alarm.
Set time	Sets the time and am/pm (for 12 hour format) at which the alarm will sound.
Set alarm tone	Sets the melody to be played when the alarm occurs (see "Sounds (M62)" on page 61).
Alarm repeat	Selects alarm repeat for once, daily or day of the week.  You can select more than one day of the week at the same time.  You can remove the check by highlighting and pressing ○ again.
Enter alarm text	Sets the message (e.g. Wake up!) which is displayed when the alarm occurs (optional).

 When all settings are done, SK1 to save the setting.

 The selected melody will be played when the alarm occurs if the ringer is turned on based on the current phone mode. If vibration is turned on, you will be notified of the alarm by vibration.

 Even if the phone has been switched off, the phone automatically switches itself on and sounds the alarm or vibrates at the specified time.

 You can stop the alarm tone or vibration by pressing any key.

Scheduler (M85)

Scheduler enables you to enter reminders and appointments for particular time and date.

Adding a new event

-  **MENU** 8 5 →   to display the day's schedule list screen (if any) → **SK1**

Scheduler setting	
Event date/time	Sets the day, month, year, time and am/pm (for 12 hour format) of the event.
Event end date/time	Sets the day, month, year, time and am/pm (for 12 hour format) of the end of event.
Description	Sets the event description (optional).
Repeat	Selects repeat for One time only, Daily, Weekly or Monthly.
Reminder	Turns on or off the reminder.
Reminder time	Selects the time to set off the reminder prior to the event start time.
Reminder tone	Associates a reminder tone with an event.  You can set the reminder tone only when the Reminder is turned on.
Private	Sets the event as a private event.  Place a check mark to set the event as a private event. To set the event as a public event, do not place a check mark.

- When all settings are done, **SK1** to save the setting.

-  The selected melody will be played when the scheduled event occurs if the ringer is turned on based on the current phone mode. If vibration is turned on, you will be notified of the event by vibration.
-  If the phone has been switched off, the phone does not switch itself on to sound the reminder or vibrate at the specified time.
-  You can stop the reminder tone or vibration by pressing any key.
-  If the event is a private event, the reminder will sound at the specified time but the entered description will not be displayed. You are prompted to enter the security code to view the details of the private event.

Viewing the scheduled events

-  **MENU** 8 5 →   to display the previous monthly/weekly view screen or **SK2** to display the next monthly/weekly view screen)
-  to display the day's schedule list screen (To display the previous/next day's schedule list screen,  or ).
-  to display the detail screen of the highlighted schedule.

Setting the reminder again

- When the scheduler reminder is set off,  or  and **SK2** to select the time to remind again.

Scheduler Options menu

8 5 → Highlight the day → ○ to display the day's schedule list screen (if any) → Highlight the required scheduled event → 

No.	Scheduler Options menu	
1	Add new	Adds a new entry.
2	Edit	Edits the highlighted event.
3	Copy	Copies the highlighted event.
4	Delete	Deletes event(s). Press the appropriate keys for the event category (the currently selected event, all the public/private events on the day, all the past public/private events, all the public/private events or all the events) to delete.
5	Go to date	Displays the selected date.
6	Monthly calendar/ Weekly calendar	Switches the weekly view screen to the monthly view screen, or the monthly view screen to the weekly view screen.  You can select Sunday or Monday to start the week from "Set start day" on page 21.
7	View summary	Displays a summary of all the events.
8	View events	Displays the events. Press the appropriate keys for the event category (Public only, Private only or All) to display.  You are required to key in the security code to display the private events or all events.
9	Send via Bluetooth	Sends the selected schedule via Bluetooth to other devices or a cellphone.

 Depending on the conditions, some options may be displayed in gray and not be available.

ToDo list (M86)

This feature allows you to set up to 100 ToDo tasks that should be finished by a certain date. You can choose to display either all ToDo tasks, or those just finished or unfinished. Each task is identified by a description (of up to 256 characters) and its start/due date.

Adding a new ToDo task

8 6 → Highlight the list → ○ → SK1

ToDo list setting	
Start date	Sets the day, month and year to start the ToDo task.
Due date	Sets the date to end the ToDo task. Key in the date or press the appropriate key for the date.  If you select to key in the date yourself, input the day, month and year of the date to end the ToDo task, then SK1.
Description	Sets the ToDo task description (e.g. Pay the rent).
Category	Sets the category (Business, Personal or Other).

ToDo list setting (Continued)	
Priority	Sets the priority (Normal, Low or High).
Private	Sets the ToDo task as private.

- When all settings are done, **SK1** to save the setting.

When a ToDo task is completed

- (MENU) 8 6** → Highlight the list → **O** → Highlight the required ToDo task → **O** → **(MENU) 1 and 1**, or **SK2** to save the task as completed.

Viewing ToDo task details

- (MENU) 8 6** → Highlight the list → **O** → Highlight the required ToDo task → **O** → To view the details of the previous or next ToDo task in the list, **◀** or **▶**
- To edit the currently displayed task, **SK1**

ToDo Options menu

- To display the ToDo Options menu, **(MENU) 8 6** → Highlight the list → **O** → Highlight the required ToDo task → **(MENU)**
- To display the ToDo detail Options menu, **(MENU) 8 6** → Highlight the list → **O** → Highlight the required ToDo task → **O** → **(MENU)**

Column L shows the ToDo options menu, and column D shows the ToDo detail Options menu.

L	D	ToDo Options menu
1	4	Add new Adds a ToDo task (see “Adding a new ToDo task” on page 73, from the second step).
–	1	Status Changes the completion status of the highlighted ToDo task.
2	2	Edit Edits the highlighted ToDo task (see “Adding a new ToDo task” on page 73, from the second step).
3	–	Delete Deletes ToDo task(s). Press the appropriate keys for the ToDo task category (the currently selected ToDo task, all the public/private ToDo tasks, all the completed public/private ToDo tasks or all the ToDo tasks) to delete.
–	3	Delete current Deletes the current ToDo task.
4	–	Display filter Sets the type(s) of ToDo tasks to be displayed by selecting the desired filter option (None, Incomplete or Completed).
5	–	Sort list Displays a list of ToDo tasks rearranged according to the selected sort key (Due date, Category, Priority, or Status).
6	–	View summary Displays the number of Incomplete and Completed tasks and how many more tasks can be created.
7	5	Send via Bluetooth Sends the selected ToDo task via Bluetooth to other devices or a cellphone.

 Depending on the conditions, some options may be displayed in gray and not be available.

Notepad (M87)

Notepad function allows you to record and store a note as a text file.

Creating a new memo (M871)

→  8 7 1 → Key in text →  to save the entry as a text file. The first few words are displayed on the text list screen.

Displaying a memo (M872)

→  8 7 2 → Highlight a file → SK1 to preview, or  to edit

Notepad Options menu

→  8 7 2 → Highlight a file → 

No.	Notepad Options menu	
1	Edit item	Sets the protection settings of the selected file on/off. Rename item: Edits the user title or name of the selected folder or file. Set protection: Sets the protection settings of the selected folder or file on/off.
2	Use item	Add desktop icon: Creates a desktop icon of the selected file on the standby screen. Send via Bluetooth: Sends the selected file via Bluetooth to other devices or a cellphone.
3	Create message	Creates a new message with the highlighted text (note).
4	Delete item	Deletes the selected file or folder if it is unprotected.
5	Delete all	Deletes all the notes unprotected from the list.
6	Copy item	Copies the selected note.
7	Copy all	Copies all the notes.
8	Move	Moves the selected note or all the notes in the current folder to a folder.
9	Create folder	Creates a new folder under the current folder.
0	Storage detail	Displays the current storage information of your phone memory.
*	View detail	Displays the detail of the selected file. You can also display the details on the highlighted folder or file by pressing * without displaying the Options menu.

No.	Notepad Options menu (Continued)		
#	Options	Sorting order: Info column:	Sorts the files by date or alphabetically. Sets whether to display the column on the list screen, and the information to be shown there. None: No column showing Size: Approximate size of the file Type: File type
			 You can also change the information on the column by pressing # without displaying the Options menu.
		Flat view:	Displays the list of all the stored files regardless of the folder hierarchy.
		Save options:	Saves the current option settings.
		Reset options:	Resets the option settings.

 Depending on the conditions, some options may be displayed in gray and not be available.

Voice memo (M88)

Voice memo function allows you to record up to 60 seconds of sound/voice, using your phone's microphone.

Recording/playing voice memo or setting speaker

  8 8

No.	Voice memo setting	
1	Record	Records a voice memo.  SK1 to start recording.  You can finish recording and save the data as a file by pressing SK2 even before the recording is completed.  To record the conversation during a call, see "Recording a call" on page 10.
2	Play	Plays a voice memo or recorded call.  Highlight a voice memo   to start playing and SK2 to stop playing.
3	Speaker setting	Selects between speaker and earpiece to play the voice memo.  1 for the Speaker, or 2 for the Earpiece.

 See also: "Sounds (M62)" on page 61.

Currency (M89)

Currency function allows you to convert an amount of money in one currency to another.

Converting currency

→ (MENU) 8 9

Currency setting

From	Sets the source currency code.
To	Sets the destination currency code.
Exchange rate	Sets the exchange rate. → If you wish to change the exchange rate, CLR to delete the displayed exchange rate and key in the required number (for decimal point, SK1) → O
Amount	Sets the amount of money you wish to convert (for decimal point, SK1).

→ If you have made a mistake in entering the exchange rate or amount, **CLR** to delete individual number or **SK2** to cancel the entry and return to the previous screen, and then start again.

Resetting the currencies

→ (MENU) 8 9 and **SK1**

Bluetooth (M80)

Bluetooth function allows you to use your phone as a modem and to talk by using a Bluetooth headset.

→ (MENU) 8 0

→ For details, see "Bluetooth (M80)" on page 78.

Synchronization (M8*)

Synchronization function allows you to synchronize the data (phonebook, scheduler, ToDo list data) with PC application via the USB cable.

This function can update such data between your phone and PC.

→ Data should comply with vCard 2.1/vCalendar 1.0 specification.

→ You cannot synchronize the phonebook data stored in the SIM card.

→ Connect your phone with your PC via a USB cable → Activate the software on PC side and prepare for synchronization (for details, refer to the manuals of the software)

→ (MENU) 8 * → Select the data type (Phonebook, Scheduler or ToDo list) → **SK1** or (MENU) 1 to start synchronization

Bluetooth (M80)

Bluetooth function allows you to communicate with the external devices (PC, PDA, headset, hands-free kit, etc.).

This function provides the following service:

- **Dial-up service** - You can use your phone as a modem.
- **Headset/hands-free service** - You can make/receive a call using a Bluetooth headset or hands-free kit.
- **Data transfer** - You can exchange the data (from Phonebook/Scheduler/ToDo list/Notepad/My data(Videos/Sounds/Pictures/MP3)) between your phone and other Bluetooth devices.
- **FTP server** - You can use your phone as a server while other Bluetooth devices function as a client. This enables the user to browse your phone from other Bluetooth devices.

¶ The list of the Bluetooth accessories recommended for N500i is available on NEC France's website: <http://www.nec.fr>

¶ When using Bluetooth devices, always refer to their operation manual.

¶ Depending on the connection status, a Bluetooth device may not function correctly. In such a case, retry operation from the device side, or switch your phone off and on.

¶ There may be Bluetooth devices that cannot be connected to your phone.

Bluetooth setting

→ **MENU** 8 0 1

No.	Bluetooth setting		
1	Bluetooth On/ Bluetooth Off	Activates or deactivates Bluetooth function. ¶ If you switch the phone off while Bluetooth On is set, the next time you switch on, the phone will be in Bluetooth On status again.	
2	Pair new device	Registers the external Bluetooth devices. 1 Search device 2 Wait for connect	Searches for the nearby active Bluetooth devices. Standby your phone to wait for other devices to search for it. ¶ Other Bluetooth devices can only detect your phone while your phone is displaying Wait for connect screen.
3	Device list		Displays and edits the list of paired devices.
4	My phone		Displays the terminal information of your phone. → MENU to display the Options menu Rename: Edits the terminal name of your phone. ¶ You cannot edit the information during Bluetooth communication.

No.	Bluetooth setting
5	Active device
6	Disconnect

 Depending on the conditions, some options may be displayed in gray and not be available.

Device list Option menu

 (MENU) 8 0 1 → 3 (MENU)

No.	Device list Option menu
1	Rename
2	Protect/Unprotect
3	Delete device
4	Delete all devices
5	View detail

Device list icons

The following icons will be displayed in the device list screen.

 Indicates the device is not registered.

 Indicates the device is an audio (a headset or handsfree device).

 Indicates the device is a PC.

 Indicates the device is a phone

 Indicates the device is other than an audio, PC, or phone.

 Indicates the device is protected.

TBD Indicates the device is connected with your phone.

Pairing a Bluetooth device and your phone

 (MENU) 8 0 1 → 2 → 1 to be searched by other Bluetooth devices or 2 to search other Bluetooth devices

→ If the device is found, the list of found Bluetooth devices will be displayed

→ Highlight the device from the list →  → Input passcode on each device

 When pairing, enter a passcode specified by the Bluetooth device to your phone and the device. If no passcode is specified by the device, enter the same arbitrary number to your phone and the device. A passcode is a number from 4 to 16 digits.

Using Bluetooth for voice/modem

>To use the Bluetooth headset/hands-free kit or Bluetooth modem, you must perform the Bluetooth pairing with your external device beforehand. For details, refer to the operation manual of the device.

While using the Bluetooth device, the following icons will be displayed in the status bar area of your phone.

 Indicates that Bluetooth is set to on.

 Indicates that Bluetooth is in operation.

Connecting Bluetooth headset/hands-free kit

When connecting a wired headset and Bluetooth headset at the same time, the wired headset will not work.

For some Bluetooth devices, the voice recall function may be activated when a paired headset/hands-free kit is turned on (see "Voice recall" on page 8).

Pair the Bluetooth device and your phone beforehand. See "Pairing a Bluetooth device and your phone" on page 79 for details.

 8 0 1 → 1 to toggle to Bluetooth On to activate Bluetooth → 3 → Highlight the headset/hands-free kit in the list → SK1 or 

Press the button on the headset/hands-free kit

To switch the headset/hands-free kit call to your handset call,  9

You cannot deactivate Bluetooth during a call.

To end the call, press  or end from the headset/hands-free kit

Using your phone as Bluetooth modem

For details of dial-up connection settings, consult your Internet service provider.

Pair the Bluetooth device and your phone beforehand. See "Pairing a Bluetooth device and your phone" on page 79 for details.

 8 0 1 → 1 to toggle to Bluetooth On to activate Bluetooth → Perform dial-up connection by your PC

Activate Bluetooth function → Perform dial-up connection by your PC.

To end the dial-up connection, disconnect from the PC application

Bluetooth data exchange

The maximum size for exchanging data is 1 MB. If the data you are sending is larger than that, a message will be displayed indicating the error has occurred.

You can only transfer one item per exchange.

Sending data

You can send the data from Phonebook/Scheduler/ToDo list/Notepad/My data/Videos/Sounds/Pictures/MP3) between other Bluetooth devices.

Phonebook entry (M413...)

Bluetooth icon You can only send Name, Home, Mobile, Work, Fax, 2 Email addresses and 2 pieces of descriptive information.

Bluetooth icon Your phone sends data according to the vCard 2.1 specification.

Bluetooth icon To display the phonebook (Phone),  (for required number of times) or  4 1 3 → Highlight a phonebook entry.

Bluetooth icon  0 or  3 → The phonebook entry will be sent through the IR port.

Video/Sound/Picture/MP3 (M6...)

Bluetooth icon  6 1 for Videos,  6 2 for Sounds,  6 3 for Pictures or  6 4 for MP3 → Highlight a folder →  → Highlight a file.

Bluetooth icon  2 3 for Videos/Pictures,  2 4 for Sounds or  2 1 for MP3 → The file will be sent through the IR port (see "My data (M6)" on page 60 for details).

Schedule entry (M85...)

Bluetooth icon  8 5 → Highlight a date →  → Highlight a schedule entry →  →  9 → The schedule entry will be sent through the IR port.

ToDo entry (M86...)

Bluetooth icon  8 6 → Highlight Public, Private or All →  → Highlight a ToDo entry →  7 → The ToDo entry will be sent through the IR port.

Note (M872...)

Bluetooth icon  8 7 2 → Highlight a note →  2 and  2 → The note entry will be sent through the IR port.

Receiving data

You can standby your phone to receive data for Phonebook/Scheduler/ToDo list/Notepad/My data(Videos/Sounds/Pictures/MP3) between other Bluetooth devices.

Bluetooth icon  8 0 2 → Start sending data from the other end.

Bluetooth icon Once the transmission completes, your phone automatically judges the type of received data and stores the data accordingly.

Bluetooth icon If your phone does not have enough space to store the received data, a message will be displayed indicating lack of space. In such a case, delete unnecessary data and try the data exchange again.

FTP server

Using Bluetooth connection, you can browse your phone from other Bluetooth devices and transfer data.

This function provides the following services:

- See the file/folder list in your phone.
- Send/receive the file/folder to/from your phone.
- Delete the file/folder from your phone.
- Create a folder in your phone.

-   **8 0 2** → the waiting data screen is displayed.
- Browse your phone from other Bluetooth device.

While using FTP server to receive the data from other Bluetooth devices, your phone can only accept the data for Notepad or My data (Videos, Sounds, Pictures, MP3).

The connection from other Bluetooth devices is accepted only when the waiting data screen is displayed.

Depending on the security settings, the operations when the connection from other Bluetooth devices is accepted differs.

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