


Emergency Services and Safety Precautions


Emergency Services

To make an emergency call in any country

☎ Press 112 

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 4.
- 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, Vehicle power adapter (option) or Desktop charger (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.

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.

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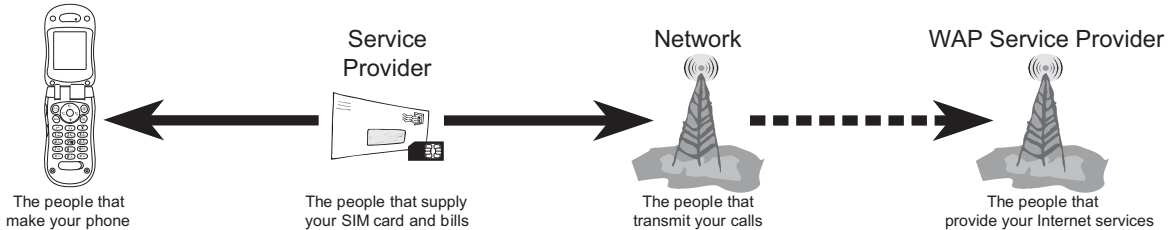
For the purpose of improvement, the specifications for this product and its accessories are subject to complete or partial change without prior notice.

Before You Start

Cellphone system structure

It is worth remembering that every time you use your phone, three or four different organizations are involved:

NEC






All the features described in this user's manual are supported by your phone. However, for all these features to work, you must have a SIM card (supplied by your Service Provider) that also supports these features. Even if you have a fully featured SIM card, any feature not supported by the Network transmitting your call will not work. This last point is especially important when you are roaming networks (see page 13).

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 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.*

Status icon area

This area contains icons which indicate the battery strength, new SMS/MMS message(s), signal strength etc. (see page vii).



08:56

16:56 Tue 02/12

Message WAP

Softkey area

This area contains context sensitive descriptions of the Softkeys' functions as appropriate.

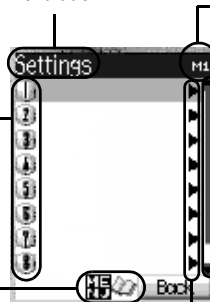
Help area

This area contains help information as appropriate (e.g. key presses remaining when composing a message).

Shortcut number

Press the appropriate number to jump straight to a next menu.
A button colour is changed when selected (e.g. for enable/disable settings).

Menu title



Shortcut menu number

The current menu number is displayed.

Page scroll bar

Displayed when you can press the ▼ key to scroll to the next page.

Help icon

Displayed when you can use the key represented by this icon (see page vii).

Next menu icon

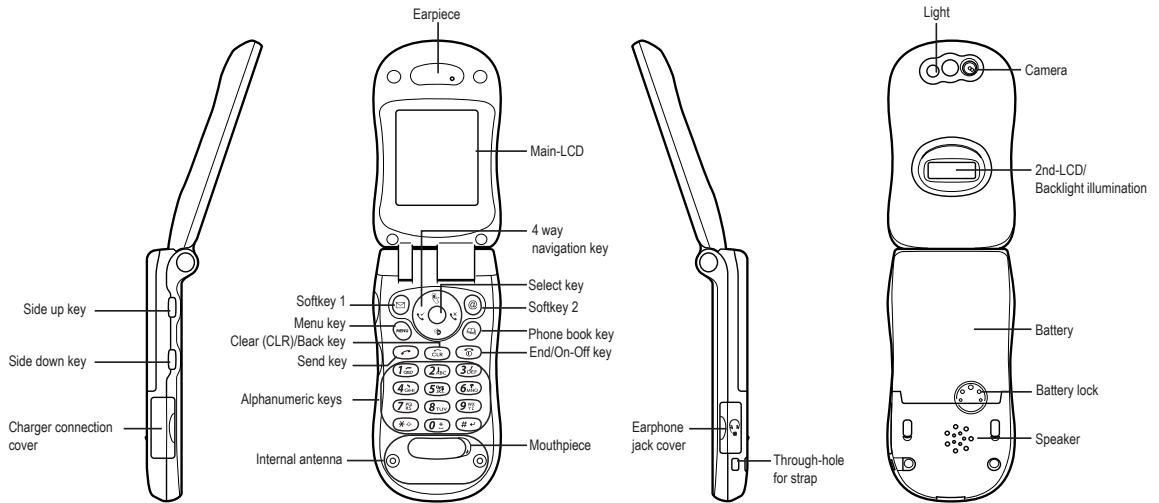
Displayed when you can press the ► key or the shortcut number to show the next menu.

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 O .

Parts and functions

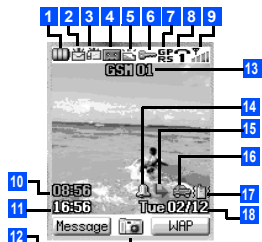


Keypad shortcuts

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	14	Setting the Side key lock to On/Off	–
Softkey 1	Accessing the Message screen	38	Accessing the Msg type screen	43
Softkey 2	Accessing the WAP site	–	–	–
	Accessing the Phonebook list screen	24	–	–
	Accessing the Phone modes screen	15	Setting the phone to Meeting mode	15
	Accessing the My data screen	68	Accessing the Voice recall	8
	Accessing the Received calls list	9	–	–
	Accessing the Missed calls list	9	–	–
	Accessing the Dialed calls list	9	–	–
	Accessing the Camera finder screen	50	–	–
	Ending a call or cancelling various operations	–	Switching off	3
CLR	Deleting character or returning to the previous screen	–	Deleting all characters when you enter text	–
1	Entering phone numbers	6	Calling the Voice mail centre	30
2 to 9	Entering phone numbers	6	Going to the corresponding phone number in the phone-book(SIM) (One-touch dial)	–
0	Entering phone numbers	6	Entering + when you make an international call	12
#	–	–	Entering a pause	–
*	–	–	Toggling the selected line	19
			Muting or retrieving the sound during a call	8
Side up	Adjusting the volume when your phone is open	15	–	–
	Activating Ring silencer function when you receive a call	18		–
Side down	Adjusting the volume when your phone is open	15	Turning on the Light	–
	Activating Ring silencer function when you receive a call	18		–

LCD and displayed icons



- 1** Indicates the battery level.

Appears during charging.

- 2** Indicates that there is a new message(s) in your phone.

Indicates that there is a new message(s) on the network.

Indicates that the SIM memory is full.

Indicates that the Inbox folder in your phone is full.

Indicates the Burst mode in the Camera mode.

- 3** Indicates that there is an MMS on the server.

Indicates the Brightness setting level in the Camera mode. The "+2" setting is for brighter.

- 4** Indicates that new Voice mail messages are on the network (No ALS/ALS Line 1).

Indicates Self timer in the Camera mode.

- 5** Indicates that you have received a WAP message(s).

Indicates the Image quality (Super fine, Normal or Economy).

- 6** Indicates secured communication on WTLS (Wireless Transport Layer, Security, Protocol) Class 1 in WAP browsing.

Indicates secured communication on WTLS (Wireless Transport Layer, Security, Protocol) Class 2 in WAP browsing.

Indicates the Zoom level in the Camera mode.

- 7** (green)
Indicates that GPRS is attached.

(red)
Indicates that PDP Context is activated.

Indicates the photography environment in the Camera mode (Standard, Person, Room, Sepia, Monochrome or Darkness).

- 8** Indicates the Line status (ALS Line 1/No ALS).

(red) displayed in red
Indicates the Line status (ALS Line 1 Unencrypted/No ALS).

Indicates that Light is set to On in the Camera mode.

- 9** Indicates the signal strength level.

Appears when you are outside the service area.

- 10** Remote time or a day of the week when the screen displays Local time only.

- 11** Local time.

- 12** Indicates that you can move to the Camera finder screen by pressing .

Indicates that you can use the options menu by pressing (MENU) .

Indicates that you can use the Phonebook list by pressing .

- 13** "Network Name"
The colour of "Network Name" changes to "Orange" when you are provided "Roaming Service".

- 14** Appears when the alarm is set.

- 15** Indicates that Call diversion is set.

- 16** Indicates that Meeting mode is set to On.

Indicates that Pocket mode is set to On.

Indicates that Car mode is set to On.
When there is no icon, Normal mode is set to On.

- 17** Indicates that the Vibrator is set to On.

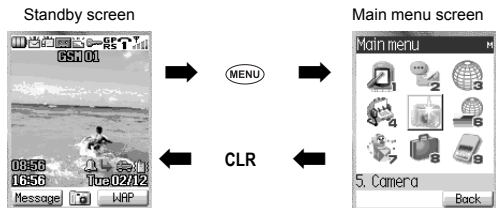
Indicates that the Vibrator and the Silent are set.

Indicates that the Vibrator is Off and the Silent is set.

The Silent is the status that all the volume settings (Ringer tone, Msg tone, and Clock alarm tone) are set to the lowest.

- 18** Date

Overview of menu function



Key	Main menu	Second level menu		
1	Settings	Phone		
		Phone modes		
		Main-LCD		
		2nd-LCD		
		Power saving		
		Calls		
		Security		
		Network		
		Reset settings		
		2	Message	Inbox
				Drafts
Outbox				
Sent				
Recycled				
Folder1				
Folder2				
CB				

Key	Main menu	Second level menu
3	Web browser	Internet
		Bookmark
		Snapshot
		Alert message
		Settings
4	Phonebook	Lists
		Information #
		Call options
5	Camera	
6	My data	Pictures Sounds

Key	Main menu	Second level menu
7	Game	Poker Belt
8	Accessory	Calculator
		Clock alarm
		Scheduler
		ToDo list
		Notepad
		Voice memo
		Currency
9	SIM toolkit	

Depending on the operator, the available Second level menu of the Message may vary.

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<MEMO>

Getting Started

Preparing the phone

Before trying to use your phone, make sure the followings have been carried out.

- Valid SIM card inserted
- Battery 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 NEC GSM phone helps to ensure that your conversations are kept secure.



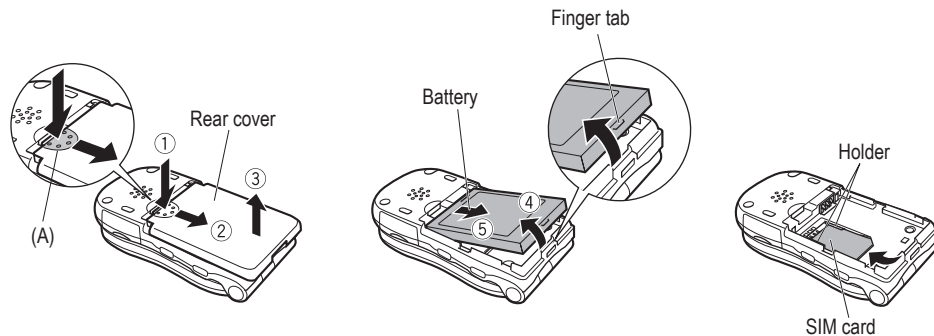
The SIM card contains personal data such as your electronic phonebook, messages (see page 37) and also details of the network services you have subscribed to. The phone will not work (except for emergency calls on some networks) unless a valid SIM card is fitted.



Be sure to turn the phone off before inserting/removing the SIM card. If not, damage to the SIM card can occur.

Inserting a SIM card

- While pressing down the area (A) of the rear cover, especially the place indicated by the arrow ①, slide the rear cover 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 knobs of the battery pack up in the direction of arrow ④. Then slide the battery pack out in the direction of arrow ⑤.
- Insert the SIM card sliding it under the holders of the both sides. Slide the SIM card until it locks.



Do not scratch the phone body or the rear cover with your finger nail, when removing the rear cover.



Do not press too firmly on the rear cover and the phone body. The use of excessive force could damage the rear cover and the phone body.



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



Do not scratch the holders of the both sides when inserting or removing a SIM card.



If the SIM card is already fitted, see "Start-up" on page 3.

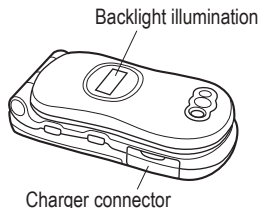
Removing a SIM card

- With the battery removed, remove the SIM card sliding it lightly.

Charging the battery

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


- ➔ Connect the charger plug (AC adapter) into the connector at the side of the phone. Check that the Backlight illumination glows Apple. When charging is completed, the Backlight illumination goes out. You are recommended to switch off the phone during 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.



- ✋ **Using any battery pack, AC adapter, Vehicle power adapter (option) or Desktop charger (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 connect more than one charger at any time. 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.**
- ✋ **Damage may result if you do not press in the charger connector's side catches when removing it from your phone.**
- 🔌 If the phone does not respond, please wait for a few minutes. The charging will then start.
- 🔌 If you use the phone during charging, handle the phone carefully since the cable or adapter is connected.
- 🔌 You can also charge the phone by using Desktop charger (option).

Start-up

Switching the phone on

- ➔ Press and hold  for about a second to switch on. The screen will display the selected greeting (see page 20) and the phone is then in standby.
- 🔌 You may need to charge the battery before using your phone. If the phone gives no response when switched on, read the information about batteries on page 4.
- 🔌 When your phone is turned on, the specified Ringer may sound.

Switching the phone off

- ➔ Press and hold  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 PIN (Personal Identification Number) 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.

Caring for Batteries

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 or Cell broadcast messages and the use of Full Rate or Enhanced Full Rate speech, will affect both standby and talk times.



IMPORTANT BATTERY CHARGING INFORMATION

Charging a very low battery

The battery's charge continues to drop after the Charge the battery warning is displayed. In extreme cases where the battery is left uncharged for some considerable time after this warning is displayed, 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.



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

Checking the battery


☛ Check icon at the left of status icon area.

The block on the display shows the charge of your battery pack.

 Full battery power  Partial battery power  Low battery power  Battery empty




Low battery alarm

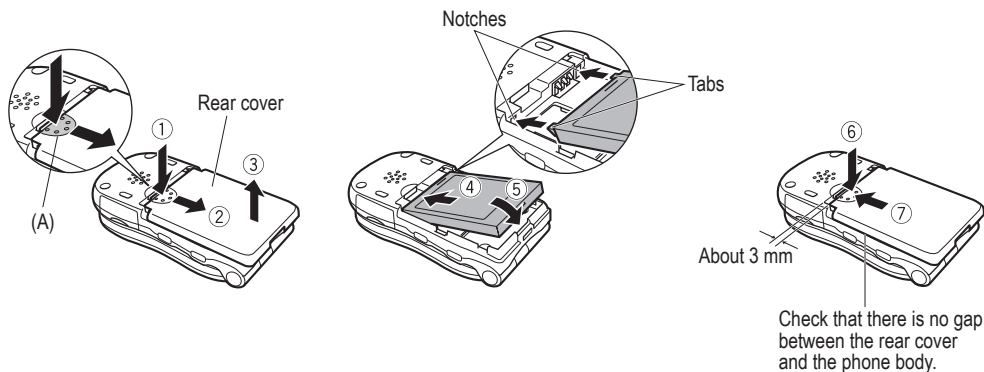
When the battery voltage falls below the working level, Charge the battery is displayed on screen accompanied by a short tone along with an empty battery icon. The phone will automatically power down shortly afterwards.

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


Changing the battery

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

-  While pressing down the area (A) of the rear cover, especially the place indicated by the arrow ①, slide the rear cover in the direction of arrow ② with your finger tip. Then, lift the cover up in the direction of arrow ③ to remove it.
-  With the caution of the label on the battery pack facing upwards, insert it into the cavity in the phone body in the direction of arrow ④, making sure that the tabs on the battery pack fit properly into the notches in the phone. Then press the battery pack down in the direction of arrow ⑤ 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. Then, while pressing down as indicated by arrow ⑥, slide the rear cover in the direction of arrow ⑦ until you hear a click.






 **Do not scratch the phone body or the rear cover with your finger nail, when removing the rear cover.**

 **Do not press too firmly on the rear cover and the phone body. The use of excessive force could damage the rear cover and the phone body.**




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 STD code and the phone number. To make international calls, you must first enter the international dialling code (see page 12).



-  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, 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. A maximum signal is shown by 4 shaded blocks and a minimum signal by 1 block.

Starting a call





-  Key in the phone number. Check the number on the display.
-  Press  to send the call.

When the call is sent, the screen displays the number called or the name stored in the phonebook and a connection graphic or a CLI picture that has been allocated to the number called (see page 23).

Correcting mistakes

Use the  and  keys to scroll through the number, then press **CLR** to clear individual digits or press and hold **CLR** to completely clear a phone number.

Ending calls

-  Press  briefly or fold your phone. The phone returns to the standby screen.
-  If  is held down, your phone will switch off.


Receiving calls

When someone calls your number, the Ringer will sound (if set - see page 16), the Backlight illumination glows in 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 stored in your phonebook along with a name and a CLI picture (see page 26), 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.

Accepting a call






-  Press .

Rejecting a call

- Press  briefly or fold your phone.

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

If your phone receives a call and you do not answer it, the screen will display the phone number (or the name if stored) of the caller (if available). This information is stored in the Missed calls list. Up to 10 missed calls are stored in this list.

-  You can set your phone to answer a call when any key is pressed (see “Any key answer” on page 18).
-  If you are making a call, the phone gives priority to receiving a call unless you have already pressed .
-  See also: “Call diversion” on page 10 and “Call waiting and holding” on page 11.
-  See also: “Call options” on page 9.

Putting a call on hold

You can put the received or dialled call on hold by pressing **Softkey 1**. To retrieve the call, press **Softkey 1** again.



Unsuccessful calls

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

If your phone is set to Auto redial, the number will be automatically called again after a short delay (see page 12).



Emergency calls

The standard emergency number of 112 can be used.

- Key in **112**.
- Press  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

To redial the last number you called:

- Ensure the standby screen is displayed and no phone number is shown.
- Press  twice. The last number you called will be dialled.
-  See also: “Call options” on page 9.

One-touch dial


One-touch dial for the phonebook(SIM) is available by pressing and holding a number 2 to 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



Fast dials for the phonebook(SIM) is available by entering a number 1 to 255 (depending on the SIM card) and pressing # and .

Fast dials for the phonebook(phone) is available by entering 1 to 500, then pressing * and .

 A number for the Fast dials corresponds to the location number in the phonebook(SIM/phone).


Displaying your own phone number

 With the standby screen displayed, press  and 0.

 You can also display your own phone number by pressing  4, 1 and 6 from the standby screen.

Multi-party calls


If your SIM card is Multi-party enabled, you can make a conference call to more than one caller. You can even leave the call while the remaining participants carry on with the call.

 **Multi-party call facilities are SIM card and network dependent.**

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 record, see page 25. To use the Voice recall function, use the following procedure:

 With the standby screen displayed, press and hold the  key.

 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 phonebook contents will be called automatically.

Mute

To mute the sound from the mouthpiece:

 Press and hold * to mute the sound during a call.

 Press and hold * again to retrieve sound.

 The mute function is automatically released after the calling.

Missed calls

- ☛ With the standby screen displayed, press the ► key.
- ☛ You can also access the list of missed calls by pressing (MENU) 4, 3 and 1 from the standby screen.
 - ☛ Use the ▲ and ▼ keys to highlight a number in the list and press (MENU).
 - ☛ Press 1 to call the number, 2 to store the number in your phonebook, 3 to delete one item, 4 to delete all the items or 5 to display information.

Received calls

- ☛ With the standby screen displayed, press the ◀ key.
- ☛ You can also access the list of received calls by pressing (MENU) 4, 3 and 2 from the standby screen.
 - ☛ Use the ▲ and ▼ keys to highlight a number in the list and press (MENU).
 - ☛ Press 1 to call the number, 2 to store the number in your phonebook, 3 to delete one item, 4 to delete all the items or 5 to display information.

Dialled calls

- ☛ With the standby screen displayed, press ⏪.
- ☛ You can also access the list of dialled calls by pressing (MENU) 4, 3 and 3 from the standby screen.
 - ☛ Use the ▲ and ▼ keys to highlight a number in the list and press (MENU).
 - ☛ Press 1 to call the number, 2 to store the number in your phonebook, 3 to delete one item, 4 to delete all the items or 5 to display information.
- ☛ The Delete all facility is not applicable to the phonebook(SIM).

Last call duration

- ☛ With the standby screen displayed, press (MENU) 4, 3 and 4 to display the duration of the last call made on your phone.
- ☛ Press **Softkey 1** to reset the display to zero.

Total calls duration

- ☛ With the standby screen displayed, press (MENU) 4, 3 and 5 to display the total calls duration (outgoing calls).
- ☛ Press **Softkey 1** to reset the display to zero.

Charge info (Advice of charge - AoC)



The AoC facility is SIM card and network dependent.

- ☛ With the standby screen displayed, press 4, 3 and 6 to display the change info screen before performing the following procedures.

Total charge

- ☛ Press 1.
- ☛ Press **Softkey 1** to reset the display to zero.
- To reset the display to zero, you may be prompted to enter the PIN2 code.*

Maximum charge

- ☛ Press 2.
- ☛ Key in the maximum number of units allowed and press **Softkey 1**.
- To set the Maximum charge, you may be prompted to enter the PIN2 code.*

Unit price

- ☛ Press 3.
- ☛ Use the and keys to select whether you enter a whole number (integer), a decimal number or a text code.
- ☛ If you choose to enter a number (either integer or decimal), key in the required value, or if you selected text, use the text entry procedures to enter the currency type, using a maximum of three characters. Then press **Softkey 1**.
- To set the Unit price, you may be prompted to enter the PIN2 code.*

Redial blacklist

If dialled call is not successfully connected (e.g. number busy), the Auto redial facility will be offered (see page 12). If you have decided to Auto redial and the call still fails, the number called will be added to the blacklist.

- ☛ With the standby screen displayed, press 4, 3 and 7 to access the numbers in the blacklist.




Call settings

- ☛ With the standby screen displayed, press 1 and 6 to display the Calls screen before performing the following procedures.


Call diversion

Setting Call diversion

- ☛ With the Calls screen displayed, press 1. There will be a delay while your phone checks its divert status with your network.
- ☛ Use the and keys to highlight the type of call you wish to divert.
- ☛ Use the and keys to 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, use the ▲ and ▼ keys to highlight the appropriate field, then press **Softkey 1** to clear any mistakes. When the settings are correct press ↵.
-  **Allow for 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

- Use the ▲ and ▼ keys to highlight the required edit field, then press .
- Press the appropriate key for the required option.

No.	Call diversion edit Options menu	
1	Copy	Copies the number in the edit field.
2	Paste	Pastes the number which has been copied onto the edit field.
3	Disable all	Disables all fields.
4	Phonebook	Inserts a phone number in the edit field.
5	Add to phonebook	Adds the number to the phonebook.

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


Call waiting and holding

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

Setting up Call waiting

- With the Calls screen displayed, press **2** to display the Call waiting screen.
- Press **1** twice to activate, or press **1** and **2** to deactivate the call waiting.
Press **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.
Press **Softkey 1** to put the current call on hold.
- Press **Softkey 1** to accept the incoming call.
- If you wish to change the call to answer, press **Softkey 1**. If you wish to merge calls, press **Softkey 2**. If you wish to end both the current call and held call, press .
- When both calls have been ended, the standby screen will be displayed.

Auto redial


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 **Softkey 2** during a redial attempt will abort it. To set redial On or Off, use the following procedure.

- ☛ With the Calls screen displayed, press **3** to display the Auto redial screen.
- ☛ Press **1** to activate or press **2** to deactivate the Auto redial facility.

Line identification

 **The Line identification facility is network dependent.**

The Line identification 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. To set Line identification, use the following procedure.

- ☛ With the Calls screen displayed, press **4**. The Line ID screen is displayed with a ✓ over an activated line and a ✗ over a deactivated line.
- ☛ To set the status of each line (see table right), use the ▲ and ▼ keys to select a line (the line will flash when selected).
- ☛ Press **Softkey 1** to set the Line identification On or Off.
- ☛ Press  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

- ☛ With the standby screen displayed, press and hold **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 01189 123456 is entered as:

International access	country code	area code	phone number
+	44	1189	123456

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

The Roaming 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 the UK) is helpful.

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

- ✎ With the standby screen displayed, press  **1** and **8** to display the Network screen before performing the following procedures.

Setting Automatic or Manual network selection

- ✎ Press **1** to display the Search type screen.
- ✎ Press **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

- ✎ Press **2** to search the available networks. The Network list screen will be displayed.
- ✎ Use the ▲ and ▼ keys to highlight the desired network. Then, press **Softkey 1** to connect to it.

Viewing/editing network list

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

- ✎ Press **3** to read the network list in the SIM memory.
- ✎ Use the ▲ and ▼ keys to highlight the required network, then press .
- ✎ Press the appropriate key for the required function.

Selecting Frequency Bands

The type of frequency band that you use depends upon your location.

- ✎ Press **4**.
- ✎ Press the appropriate key for the required type.

 *Frequency bands need to be changed for the phone to work properly when going to outside the service area (Europe and U.S. etc.).*

Selecting Features

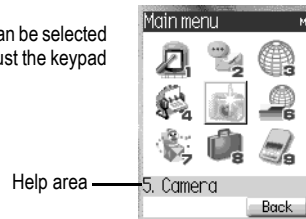
Main menu

With the standby screen displayed, press **(MENU)** to display the Main menu screen.

The Main menu has a set of icons for its top levels of options (examples of the top level are shown right) which can be selected either using a combination of the 4-way navigation key (the ◀▶▲ and ▼ keys) and ○ (menu selection), or just the keypad (shortcuts selection).

The main menu icon numbers represent the following options:

1	Settings	2	Message	3	Web browser
4	Phonebook	5	Camera	6	My data
7	Game	8	Accessory	9	SIM toolkit



[P] The title of the selected option will be displayed in the Help area as appropriate.

[P] SIM toolkit icon is displayed only when your SIM card supports this function.

[P] With the Main menu displayed, press **0** to display the own number.

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 selections are made by pressing numbers on the keypad which relate to the displayed menu options.

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

Setting up Your Phone

Earpiece volume setting

To change the earpiece volume, use the following procedures.

Method 1 (from the standby screen)

- ☞ With the standby screen displayed, press **MENU** 1, 1 and 1.
- ☞ Use the ▲ and ▼ keys to adjust the setting as required, then press **Softkey 1** to select the current setting.

Method 2 (from the standby screen)

- ☞ With the standby screen displayed, press the **Side** keys.
- ☞ Use the ▲ and ▼ keys to adjust the setting as required.

Method 3 (during a call)

- ☞ Press the **Side** keys to adjust the setting as required.

Phone Mode

Your phone can be set to one of the following four modes.

- Normal mode
- Meeting mode
- Pocket mode
- Car mode



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

Mode selection

- ☞ With the standby screen displayed, press the ▲ key.
- ☞ You can also access the Phone modes screen by pressing **MENU** 1 and 2 from the standby screen.
- ☞ Press the appropriate key for the required mode.
- ☞ You can also set the Meeting mode by pressing and holding the ▲ key.


Default Mode settings

When a mode is selected, some of your phone's settings are altered automatically to the respective mode.


The following table shows the default settings for each mode.


	Normal mode	Meeting mode	Pocket mode	Car mode
Ringer	Default melody	Default melody	Default melody	Default melody
Ringer volume	Medium	Quiet	Loud	Medium
Msg tone	Default melody	Default melody	Default melody	Default melody
Msg tone volume	Medium	Quiet	Loud	Medium
Key tone	On	Off	On	On
Service tone	On	Off	On	On
Vibrator	Off	On	On	Off
Auto answer	Always Off	Always Off	Always Off	On

 When the selected mode is Car, the backlight is always set to On. This will reduce battery life.


 The default settings shown above may vary. Be sure to check the setting data with your phone.

Editing the Mode settings

 With the standby screen displayed, press the **▲** key. Then use the **▲** and **▼** keys to highlight the required mode and press **Softkey 1** before performing the following procedures.

 You can also access the Phone modes screen by pressing **(MENU)** **1** and **2** from the standby screen.

Ringer


 Press **1** to display the list screen that includes the currently set melody.


 Use the **▲** and **▼** keys to highlight the desired Ringer, then press **○**.


 See also: "Sounds" on page 69.

Ringer volume

 Press **2** to display the Ringer volume screen with a volume slider.


 Use the **▲** or **Side up** key to increase or the **▼** or **Side down** key to decrease the volume setting to the level required (the slider moves in the direction corresponding to the key pressed). Or press a number key (0-Quiet to 9-Loud) for the volume level.


 Press **Softkey 1** to save the current Ringer volume setting.

 While receiving a call, the ringer volume can also be adjusted by pressing the **Side** keys.

 The Reminder tone volume for Scheduler corresponds to the Ringer volume.


Msg tone


 Press **3** to display the list screen that includes the currently set melody.

 Use the **▲** and **▼** keys to highlight the desired Message tone, then press **○**.

 See also: “Sounds” on page 69.


Msg tone volume


 Press **4** to display the Msg tone volume screen with a volume slider.

 Use the **▲** or **Side up** key to increase or the **▼** or **Side down** key to decrease the volume setting to the level required (the slider moves in the direction corresponding to the key pressed). Or press a number key (0-Quiet to 9-Loud) for the volume level.


 Press **Softkey 1** to save the current Message tone volume setting.


Key tone

 Press **5** to display the Key tone screen.


 Press **1** to activate or **2** to deactivate the Key tone.


Service tone

 Press **6** to display the Service tone screen.

 Press **1** to activate or **2** to deactivate the Service tone.


Vibrator


 Press **7** to display the Vibrator screen.

 Press **1** to activate or **2** to deactivate the Vibrator.

Auto answer

The Auto answer feature allows a received call to be connected automatically when you are using your phone in the Car mode and with the simple hands free kit.



 With the Car mode screen displayed, press **8** to display the Auto answer screen.


 Press **1** to activate or **2** to deactivate the Auto answer.

 Auto answer option is available in the Car mode only.

Answer options


Any key answer


When this facility is active, you can connect your phone to a received call by pressing any key (except , **Softkey 2**, the **Side keys**). When this facility is turned off, you can connect to a received call by pressing  or **Softkey 1** only.

- ☛ With the standby screen displayed, press  **1, 1, 2** and **1**.
- ☛ Press **1** to activate or **2** to deactivate the Any key answer.

Ring silencer

When your phone is folded and the Ring silencer is active, you can stop sounding ringer during receiving a call or message by pressing the **Side keys**.


- ☛ With the standby screen displayed, press  **1, 1, 2** and **2**.
- ☛ Press **1** to activate or **2** to deactivate the Ring silencer.

 *When your phone is folded and the Side key function is disabled, you cannot use Ring silencer function by pressing the **Side keys**.*

 See also: "Mute" on page 8.

Fold answer


When your phone is folded and the Fold answer is active, you can take an incoming call by opening your phone.

- ☛ With the standby screen displayed, press  **1, 1, 2** and **3**.
- ☛ Press **1** to activate or **2** to deactivate the Fold answer.

Activating Side keys

You can enable/disable the side key function.

- ☛ With the standby screen displayed, press  **1, 1** and **3**.
- ☛ Press **1** to enable or **2** to disable the Side key function for when your phone is folded.

 *Even when the Side key function is disabled, you can take a picture by pressing the **Side up key**.*

ALS setup



The ALS facility is SIM card and network dependent.

If your SIM card supports ALS (Alternate Line Service) you can setup which line to use, what they are called and automatic line selection.

- ☞ With the standby screen displayed, press **(MENU) 1, 1 and 4** before performing the following procedures.

Outgoing call

- ☞ With the ALS setup screen displayed, press **1**.
- ☞ Press the appropriate key for the required option.

Voice mail

- ☞ With the ALS setup screen displayed, press **2**.
- ☞ Press the appropriate key for the required option.

Time & date setting

Your phone has the ability to store the time and date for two time zones: Home (Local time) or World (Remote time). This information is displayed in 12 or 24 hour format on the standby screen, and can be used to trigger an alarm and for scheduler.

- ☞ With the standby screen displayed, press **(MENU) 1, 1 and 5** before performing the following procedures.

Show clock

This option allows you to select the time that you prefer to display on the standby screen.

- ☞ Press **1** to display the Show clock screen.
- ☞ Press **1** to display local time only, or **2** for both local and remote times, or **3** for not displaying clock.

Setting the Local time and Remote time

- ☞ Press **2** to display the Set time screen.
- ☞ Press **1** to display the Local clock screen, or **2** to display the Remote clock screen.
- ☞ Key in the local/remote time for the time setting, then press **Softkey 1**.

Setting the date

- ☞ Press **3** to display the Set date screen.
- ☞ Key in the date, press **Softkey 1** to save the changes.

Setting date format

- ☛ Press **4** to display the Set date format screen.
- ☛ Press the appropriate key for the desired date format.

Setting time format

- ☛ Press **5** to display the Set time format screen.
- ☛ Press **1** to display time in 12 hour format, or **2** for 24 hour format.

Setting timezone

- ☛ Press **6** to display the Set timezone screen. A ✓ is placed on the selected timezone.
- ☛ Use the ▲ and ▼ keys to highlight the required timezone.
 - If summer time can be set for the highlighted timezone, the Summer time will be displayed at the bottom of the screen. Press ○ to activate/deactivate the setting (a ✓ in the check box means the summer time is activated).
- ☛ Press **Softkey 1** to save the changes.

Setting the display to your language of preference

If the display is showing any language other than your own, use the following procedure to set the required language.

- ☛ With the standby screen displayed, press (MENU) **1, 1 and 6**.
- ☛ Press the appropriate key for the required language.

📖 *When you have switched the language to be displayed, please wait until the new setting becomes active.*

Main-LCD settings

The Main-LCD menu allows you to change the following settings.

- ☛ With the standby screen displayed, press (MENU) **1 and 3** before performing the following procedures.

Power on Greetings

A type of greeting screen can be selected as follows:


- ☛ Press **1** to display the Greetings screen.
- ☛ Press the appropriate key for the desired greeting type.
 - If you select Text greeting, press **Softkey 1** to display a greeting text. Key in a greeting text and press ○.

🔗 *When you select Animation, see "Pictures" on page 68.*

Wallpaper

You can choose one of the stored pictures to be displayed as a background to the standby screen.

- Press **2** to display the list screen that includes the currently set picture.
- Use the **▲** and **▼** keys to highlight the picture that you wish to set as the wallpaper and press **Softkey 1**. The picture you have selected will be displayed (preview). Press **Softkey 1** to set the displayed picture to be wallpaper.

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

 See also: "Pictures" on page 68.

Colour style

You can select the colour style from 8 different ones for your phone's display.

- Press **3** to display the Colour style screen.
- Use the **▲** and **▼** keys to highlight a colour style. The screen colour changes to match the highlighted colour style. Press **○** when the desired colour style is highlighted.

2nd-LCD settings

The 2nd-LCD setting menu allows you to change the following settings.

- With the standby screen displayed, press **(MENU) 1** and **4** before performing the following procedures.

2nd-LCD display

- Press **1** to display the Display screen.
- Press **1** to set the 2nd-LCD display to On or **2** to set it to Off.

Fixed clock

When this function is On, only clock is displayed on the 2nd-LCD.

- Press **2** to display the Fixed clock screen.
- Press **1** to activate or **2** to deactivate the Fixed clock.

Incoming call No.

The Incoming call No. option allows you to display the caller's phone number or the name (if you have stored it in the phonebook) on the 2nd-LCD screen.

- Press **3** to display the Incoming call No. screen.
- Press **1** to set the Incoming call No. function to On or **2** to set it to Off.

Display direction

- ☛ Press **4** to display the Display direction screen.
- ☛ Press **1** to select the Direction1 or **2** to select the Direction2.

Contrast

- ☛ Press **5** to display the Contrast screen.
- ☛ Use the **▲** key to increase contrast by one level or the **▼** key to decrease it by one level until screen is at desired contrast.
- ☛ Press **Softkey 1** to save the contrast changes.

Backlight colour

This function enables you to set the backlight colour respectively for when the phone is in standby, when receiving messages, when receiving incoming call, or when talking on the phone.

- ☛ Press **6** to display the Backlight colour screen.
- ☛ Press the appropriate key for the option of which you wish to change the setting.
- ☛ Use the **▲** and **▼** keys to highlight the desired colour, then press **Softkey 1**.

☞ A ✓ is displayed beside the currently selected colour.

Power saving

- ☛ With the standby screen displayed, press **(MENU) 1 and 5** to display the Power saving screen.
- ☛ Press the appropriate key for the required setting level.
 - Press **1** to set the Level 1 power save settings (minimum power save setting) for LCD backlight and Key Backlight.
 - Press **2** to set the Level 2 power save settings for LCD backlight and Key Backlight.
 - Press **3** to set the Level 3 power save settings (maximum power save setting) for LCD backlight and Key Backlight.

☞ When the selected mode is Car or the Camera finder screen is displayed, the backlight is always set to On.

☞ The backlight will be turned off after a given amount of time with no operation.

Reset settings

This function will reset your phone to its factory settings.

☞ Your phonebooks will be unaffected.



- ☛ With the standby screen displayed, press **(MENU) 1 and 9** to display the Reset settings screen.
- ☛ Key in the Security code and press **Softkey 1**. Then press **Softkey 1** again to confirm.


☞ **By restoring the factory settings, any changes you have made to your phone's set-up will be lost.**

Phonebooks

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
- Voice mail number

 When viewing any of the directories described, you can scroll 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 shared between the ADN, FDN and SDN directories.

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.
- Up to 7 phone numbers (Home, Mobile, Work, Data, Fax, Other phone x 2) can be added to each personal data.
- Up to 2 Email addresses can be added to each personal data.
- 2 descriptive information fields are allocated to each personal data.
- Each personal data can be allocated to a group.
- Up to 10 phone numbers can have a voice recognition recording allocated to them.
- Backlight illumination colour, a CLI picture and a ringer tone can be allocated to each personal data.
- Each personal data can be allocated to a location number (1 to 500).

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 36), 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.

You will not be able to see the number which will be dialled but only the associated text title.

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

Phonebook list screen



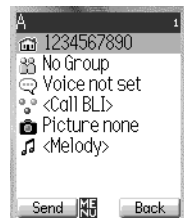
○




Softkey 2




Personal data screen







Phonebook list Options menu





 When editing the data in FDN, you will be prompted to enter PIN2 code.

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

 With the standby screen displayed, press  to display the Phonebook list screen.

 Press  until the required directory is displayed.

 You can also access each directory by pressing  4, 1 and the appropriate key for the desired directory from the standby screen.

 Use the  and  keys to highlight the required personal data, then press  to display the Phonebook list Options menu screen.


Adding a new personal data

- ☞ With the Phonebook list Options menu screen displayed, press 1.
- ☞ Press the appropriate key for the directory to which you wish to store the personal data.
- ☞ Enter the name and other necessary information, then press **Softkey 1** (see “Editing existing phonebooks” below).

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

Editing existing phonebooks

- ☞ With the Phonebook list Options menu screen displayed, press 2.

 *In the cases of phonebook(SIM) and FDN, only adding/editing the Name, a Phone number and location number is available in the following procedures.*

 *In the cases of Own number and Voice mail number, only adding/editing the Name, a Phone number is available in the following procedures.*

Adding/editing phone numbers, mail addresses & personal information

- ☞ Use the ▲ and ▼ keys to highlight the field you wish to edit or add information to, then press ○.
- ☞ Add the required number or information, or make a necessary change, to the selected field, and then press ○.

 *Use the ▲ and ▼ keys to highlight another field to make further changes, if required.*

- ☞ Press **Softkey 1** to save the changes.

 *You can edit the Name, Phone numbers, Email addresses and Info fields in the above method.*

 *See also: “Text Entry” on page 31.*

Allocating a group

- ☞ Use the ▲ and ▼ keys to highlight the Group field, then press ○.
- ☞ Use the ▲ and ▼ keys to highlight the Group you wish to add the current personal data to, then press ○.
- ☞ Press **Softkey 1** to save the changes.

Voice recall functions

- ☞ Use the ▲ and ▼ keys to highlight the Voice tag field, then press ○ to display the Voice tag screen.

Adding a Voice recall recording


- ☞ With the Voice tag screen displayed, press 1 and 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

- ☞ With the Voice tag screen displayed, press 2.


Deleting a Voice recall recording

- ☞ With the Voice tag screen displayed, press 3.
- ☞ Press **Softkey 1** to save the changes.

 Up to 10 Voice tags can be stored.

 You can check the number of stored Voice tag and list of those tags (see “Displaying phonebook information” on page 29).

Allocating a backlight illumination colour

 Use the ▲ and ▼ keys to highlight the Call BLI field, then press **O** and **1**.


 Use the ▲ and ▼ keys to highlight the desired colour, then press **O**.

 Press **Softkey 1** to save the changes.


Allocating a CLI picture

 Use the ▲ and ▼ keys to highlight the Picture field, then press **O** and **1** to display the list screen that includes the currently set picture.

 Use the ▲ and ▼ keys to highlight the desired CLI picture, then press **Softkey 1** to preview the picture.

 Press **Softkey 1** to select the previewed picture.


 Press **Softkey 1** to save the changes.


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

 See also: “Pictures” on page 68.


Allocating a ringer


 Use the ▲ and ▼ keys to highlight the Melody field, then press **O** and **1** to display the list screen that includes the currently set melody.

 Use the ▲ and ▼ keys to highlight the desired melody, then press **Softkey 1** to play the melody.


 Press **Softkey 1** to stop playing the melody and select it, or press **Softkey 2** to stop playing without selecting it.


 Press **Softkey 1** to save the changes.

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

 See also: “Sounds” on page 69.


Allocating a Location number

 Use the ▲ and ▼ keys to highlight the Location number field, then press **O**.


 Key in the desired location number, then press **O**.


 Press **Softkey 1** to save the changes.

Copying the personal data

 In the case of Own number and Voice mail number, only Current copy is available.

Current copy

 With the Phonebook list Options menu screen displayed, press **3** and **1**.

 Press the appropriate key for the desired destination to which you wish to copy the selected personal data.

- ☞ Key in the desired location number or use the ▲ and ▼ keys to highlight the desired destination, then press ○ .
- ℞ *When you have chosen the personal data which includes more than one phone number/Email address for a destination that allows only one number to be stored, the Origin number screen will be displayed where you can choose the number to be copied.*
- ℞ *When copying a personal data from the phonebook(Phone) to other directories, only the items which are supported by the destination directory can be copied.*

Package copy

- ☞ With the Phonebook list Options menu screen displayed, press 3 and 2.
- ☞ Press the appropriate key for the desired package copy.
- ℞ *In the case of phonebook (Phone), you have to select the number to be copied.*
- ☞ Key in the desired location numbers, then press ○ .
- ℞ *When you have chosen the personal data which includes more than one phone number/Email address for a destination that allows only one number stored, a new personal data for each number is created in the destination directory to store the number(s).*
- ℞ *When copying a personal data from the phonebook(Phone) to other directories, only the items which are supported by the destination directory can be copied.*

Moving the personal data to another directory

- ☞ With the Phonebook list Options menu screen displayed, press 4.
- ☞ Press the appropriate key for the desired destination to which you wish to move the selected personal data.
- ☞ Key in the desired location number or use the ▲ and ▼ keys to highlight the desired destination, then press ○ .
- ℞ *When you have chosen the personal data which includes more than one phone number/Email address for a destination that allows only one number to be stored, the Origin number screen will be displayed where you can choose the number to be copied.*

Deleting

Delete current

- ☞ With the Phonebook list Options menu screen displayed, press 5 and 1.
- ☞ Press **Softkey 1** to complete the operation.

Delete all

- ☞ With the Phonebook list Options menu screen displayed, press 5 and 2.
- ☞ Press **Softkey 1** to complete the operation.
- ℞ *This option operates only when the phonebook(Phone) is displayed before entering the Options menu screen.*

Group functions

Adding/moving to a specified group

- ☞ With the Phonebook list Options menu screen displayed, press **6** and **1**.
- ☞ Use the ▲ and ▼ keys to highlight the desired group, then press **○**.
- 📖 *The confirmation messages may be displayed after this procedure. In that case, press **Softkey 1** to complete the operation.*

Removing from the allocated group

- ☞ With the Phonebook list Options menu screen displayed, press **6** and **2**.
- ☞ Press **Softkey 1** to complete the operation.

Renaming a group

- ☞ With the Phonebook list Options menu screen displayed, press **6** and **3**.
- ☞ Use the ▲ and ▼ keys to highlight the group you wish to change the name.
- ☞ Press **Softkey 1**, then edit the group name and press **○**.

Sorting

- ☞ With the Phonebook list Options menu screen displayed, press **7**.

Selecting sorting order

Alphabetical sorting

- ☞ Press **1** to display the last viewed phonebook list in alphabetical order.

📖 *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**.)*

Memory location sorting

- ☞ Press **2** to display the Phonebook list screen in location order.

Calling the phone number in the searched personal data

- ☞ Press **☎** to call the phone number displayed in the Help area.
- 📖 *When viewing the phonebook(Phone) list screen, use the ◀ and ▶ keys to display the other stored numbers and Email addresses, if any, in the same personal data for the highlighted name.*
- 📖 *When the Email address is displayed in the Help area, press **Softkey 1** to create a new MMS.*





Going to Location

- ☞ With the Phonebook list Options menu screen displayed, press **8**.
- ☞ Key in the desired location number and press **Softkey 1**. The Phonebook list screen with the selected personal data highlighted will be displayed.

Displaying phonebook information

- ☞ With the Phonebook list Options menu screen displayed, press **9**.
- ☞ Press **1** to display a summary of the Phonebook contents, or press **2** to display the list of the stored Voice tag.

Personal data Options menu

- ☞ With the standby screen displayed, press  to display the Phonebook list screen.
- ☞ Press  until the required directory is displayed.
- 📖 You can also access each directory by pressing  **4, 1** and the appropriate key for the desired directory.
- ☞ Use the **▲** and **▼** keys to highlight the required data.
- ☞ Press **○**, then use the **▲** and **▼** keys to highlight the required field.
- ☞ Press  to display the personal data Options menu screen.

No.	Personal data Options menu	
1	Call	Calls the highlighted phone number.
2	Send message	Creates an SMS/MMS to the highlighted phone number/Email address.
3	Edit	Enables to edit the selected personal data.
4	Copy	Enables to copy the selected phone number(s)/Email address(es).
5	Move	Enables to move the selected phone number(s)/Email address(es).
6	Delete current	Deletes the selected personal data.

🔗 See “Phonebook list Options menu” on page 24 for the operation of 3 (Edit), 4 (Copy), 5 (Move), and 6 (Delete current).

Calling the selected phone number

- ☞ With the personal data options menu displayed, press **1**.



Sending an SMS/MMS to the selected Email address/phone number

- ☞ With the personal data options menu displayed, press **2**.
- 📖 When you have highlighted the phone number in the personal data, press **1** to create an SMS, or **2** to create an MMS. The New SMS/MMS screen will be displayed.
- 🔗 See “Message” on page 37 for details.

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.
- ☛ Press  when the call is finished. The number will still be displayed. Press . The number displayed will be dialled.

Voice mail







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 will be notified by an icon on the standby screen if the caller leaves a voice message.

 **The voice mail function is SIM dependent.**


 **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.*


- ☛ With the standby screen displayed, press  4, 1 and 7 to display the Voice mail number screen.
- ☛ Use the  and  keys to highlight the required line, then press  twice.
- ☛ Press  and key in the voice mail number, then press .
- ☛ Press **Softkey 1** to save the change.






Forwarding a call to the Voice mail centre

 *This function needs a setup of Call diversion (see page 10).*

- ☛ Make sure the correct voice mail numbers are set beforehand.
- ☛ When you receive a call you want to divert, press  or **Softkey 2** to divert the call to the voice mail centre.

Retrieving a Voice mail

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

- ☛ With the standby screen displayed, press  4, 1 and 7 to display the Voice mail number screen.
- ☛ Use the  and  keys to highlight the required line, then press .
- ☛ Press  and 1.

Text Entry

This section describes how you enter text. The same method of text entry can be used in phonebook editing.

Mode change

- In Text entry screen, press **Softkey 1** to change the text entry mode.
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 number key once. The screen will display the word you may require based on the internal English dictionary of your phone.

- When the Text entry screen is displayed, press **Softkey 1** until the entry mode is T9® English input.
- i) For example, to enter "Good":
- Press **4 6 6 3**, 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", then press **0** to confirm.
 - Press **4 7** to display "is", then press **0** to confirm.
 - Press **4 6 6 3** to display "good", then press **0** to confirm and the sentence is completed.

Key	Function
0	To complete a word and insert a space.
Softkey 1, Softkey 2 or #	To display other matching words (such as home, gone, hood and etc.).
◀ or ▶	To place the cursor.
CLR	To delete any particular letter.
*	To toggle between lower case, shift (upper case for one letter) and caps lock (permanent upper case).
#	To activate symbol mode when no word is highlighted.

Normal text input

- ☛ When the Text entry screen is displayed, press **Softkey 1** until the entry mode is Normal text (ABC) input.
- ☛ Use number keys to enter letters. For example, to enter “e”, press **3** twice; to enter “f”, press **3** three times. For other functions, see table below.

Key	Function
*	To toggle between lower case, shift (upper case for one letter) and caps lock (permanent upper case).
0	To insert a space.
CLR	To delete any particular letter.
◀ or ▶	To place the cursor.
#	To activate symbol mode.

- ☛ If you have made a mistake, use the ◀ ▶ ▲ and ▼ keys to place the cursor to the right of the incorrect character then press **CLR**.
- ☛ When entering normal (ABC) text, and the character you require is displayed, press the ▶ key 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

- ☛ When the Text entry screen is displayed, press **Softkey 1** until the entry mode is Numeric input.
- ☛ Use number keys to enter numbers.

Keys allocation

Whenever you need to enter text (for short messages, storing names with numbers, etc.), successive presses of a number 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). Whenever a text entry screen is displayed, pressing **Softkey 1** enables you to select Normal text input (ABC), T9[®] Text input (T9) or Numeric input (123).

Symbol mode

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

Security

The facilities outlined in this section enable you 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 to protect your SIM card if it is stolen)
- PIN2 code (provided by your Network for charge information and FDN 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.

Change PINs

PIN code


Your phone can be set up so it needs your PIN code 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 unblock 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.

Changing your PIN code

 With the standby screen displayed, press  1, 7, 1 and 1 to display the PIN change screen.

 Key in the current code and press **Softkey 1**. You are prompted to enter the new code, then to enter it again for confirmation. A confirmation screen will be displayed momentarily and the Change PINs screen will be displayed.

 Activate PIN active function before changing 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.

Changing your PIN2 code

- ☛ With the standby screen displayed, press **(MENU) 1, 7, 1 and 2** to display the PIN2 change screen.
- ☛ Key in the current code and press **Softkey 1**. You are prompted to enter the new code, then to enter it again for confirmation.

Security code

The Security code is used to unlock the PIM features.

Changing your Security code

- ☛ With the standby screen displayed, press **(MENU) 1, 7, 1 and 3** to display the Security code screen.
- 📖 *The default setting of the Security code is "0000".*
- ☛ Key in the current Security code and press **Softkey 1**. You are prompted to enter the new code, then to enter it again for confirmation.

PIN activate


- ☛ With the standby screen displayed, press **(MENU) 1, 7 and 2** to display the PIN activate screen.
- ☛ Press the appropriate key for the required setting.

Phone lock

While the Phone lock is active, you are only allowed to make emergency calls and enter the Security code. When the Phone lock is active, the Phone lock will be deactivated only when the correct Security code is entered. To activate/deactivate the Phone lock, use the following procedure.


- 📖 *Upon power-up, you are prompted to enter the security code if the Phone lock was active when the phone was powered down.*
- ☛ With the standby screen displayed, press **(MENU) 1, 7 and 3** to display the phone lock screen. You will be prompted to enter the Security code.
- ☛ Key in the code and press **Softkey 1**. The Phone locked message will be displayed.
- ☛ Press **Softkey 1** to make an emergency call or **Softkey 2** to unlock the function.
- 📖 *To unlock the function, you are prompted to enter the Security code again and press **Softkey 1**.*

This feature allows you to bar the following type of calls made or received on your phone.

- All outgoing (dialled) calls
 - International outgoing (dialled) calls
 - International outgoing (dialled) calls except to home
 - All incoming (received) calls
 - Incoming (received) calls when roaming
- ☞ With the standby screen displayed, press  **1**, **7** and **4** before performing the following procedures.

Changing settings

 *The selected settings have red bars over their icons.*

- ☞ With the Bar calls screen displayed, press **1** to display the Change settings screen, and use the ◀▶▲ and ▼ keys to highlight the type of restriction (shown above) and the call type (Speech, Data, FAX or SMS), then press ○.
- ☞ Press  to save the Bar calls changes. The Change settings screen will be displayed and it will prompt to enter the Bar calls password.
- ☞ Key in your Bar calls password to verify user identification to the network.
- ☞ Press **Softkey 1** to confirm and save changes to the network.

Setting password

 *Bar calls facilities are network services and may require a password.*


- ☞ With the Bar calls screen displayed, press **2** to display the Set password screen.
- ☞ Key in the current password, then key in the new password.
- ☞ Key in the new password again for confirmation and press **Softkey 1**.

This feature enables you to restrict the use of dialled number to FDN.



The FDN facility is network dependent.

See also: "Fixed dialling numbers (FDN)" on page 24.

- With the standby screen displayed, press  **1, 7 and 5** to display the Fixed dialling screen.
- Press **1** to enable or **2** to disable the FDN facility. The Verify PIN2 screen and the prompt to enter the PIN2 code will be displayed.
- Key in the PIN2 code to verify user identification to the network.
- Press **Softkey 1** to confirm and save changes to the network.

Message

Message overview

Message Services

Your phone supports the following messaging services:

- **SMS (Short Messaging Service)** allows you to send short messages (160 half-pitch characters max.) to a phone number. To send an SMS message, the destination phone number must be a mobile phone with an SMS service subscription. SMS service also supports EMS (Enhanced Messaging Service) for which the maximum length of the message you can send depends on the number of linked messages (maximum 10 linked messages are available).
- **MMS (Multimedia Messaging Service)** is a service that allows you to send messages with multimedia files attached. You can attach the sound files and the image files to an MMS message. 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.

Standard messages

Your phone can send and receive SMS and MMS messages. While a message is being sent, a name, number and a CLI picture will be displayed (if a name and CLI picture have been stored with the number in your phonebook(Phone)). If there are no name or CLI picture stored with the phone number you are sending the message to, the number and a graphic will be displayed until the message has been sent and you get a confirmation message displayed. The received messages are stored on the SIM card or in your phone memory depending on the message class. When you receive a message, your phone will ring, the message icon will be shown on your phone's display and its Backlight illumination will glow.

Your phone will automatically send a message to the service centre when your SIM memory for the messages is full. When the service centre has been informed that your SIM memory is full, the SIM full icon will be displayed. The service centre will not send your phone any further messages until your SIM card has some free message space. Your phone will automatically notify the service centre that there is more space and message reception will resume.

When you send a message you can attach a receipt request. This will cause the service centre to send you a message indicating whether your original message was delivered successfully or not.



The Short Message Service is network dependent.



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 menu

- With the standby screen displayed, press **Softkey 1** to display the Message screen.
- You can also access the Message screen by pressing **(MENU)** and **2** from the standby screen.
- Press the appropriate key for the required option.

No.	Message menu	
1	Inbox	The received messages are saved.
2	Drafts	The messages currently being edited are saved.
3	Outbox	The failed sent messages are saved.
4	Sent	The sent messages are saved.
5	Recycled	The deleted messages are saved. Message stored in the SIM card will not be saved in the Recycled folder but deleted permanently when deleted.
6, 7	Folder1/Folder2	The messages you have moved with the Move msg (see "Message list Options menu" on page 41) are saved.
8	CB	The received broadcast messages are saved. Refer to "Broadcast messages" on page 49 for details.

- If there are no messages in the message list, the item is displayed in gray and you cannot select it.
- Depending on the operator, the menu number and available option may vary.





























Reading messages

- With the standby screen displayed, press **Softkey 1** to display the Message screen.
- Press the appropriate key for the required folder. The Message list of the selected folder will be displayed.
- Use the ▲ and ▼ keys to scroll through the Message list, then press ○ to display the required message (Message view screen).

 The unread message is displayed in bold.

- If the message cannot be displayed in one page, use the ▲ and ▼ keys as necessary to scroll through the message.

 The following icons will be displayed.

Icons	Descriptions	Icons	Descriptions
Message type icons		Read / Unread status icons	
	MMS message with no attachment.		New / Unread message(s).
	MMS message with attachment.		Read message(s).
	MMS message on the server.	Folder message status bar icons	
	MMS delivery report.		Number of read messages in the folder.
	SMS message.		Number of unread messages in the folder.
	Incomplete SMS message.	Filtering status icons	
Storing location icons			SMS messages filtered by status (Incomplete).
	Highlighted message stored in SIM.		SMS messages filtered by location (SIM).
	Highlighted message stored in Phone.		SMS messages filtered by location (Phone).
	Highlighted message stored in Phone and located in the Recycled folder (if there is Recycled folder).		Filtered SMS messages.
Sorting status icons			Filtered MMS messages.
	Messages sorted by Date.	MMS priority icons	
	Messages sorted by Name.		MMS message with High priority.
	Messages sorted by Read/Unread status.		MMS message with Low priority.
	Messages sorted by Size.	Message sent status icons	
	Messages sorted by Ascending order.		Sent but failed message.
	Messages sorted by Descending order.		Sent message.

Message Options menu

← With the Message screen displayed, press **(MENU)** to display the Message Options menu screen.

No.	Message Options menu	
1	SMS settings	Changes the settings for the SMS messaging function. (See "SMS settings" on page 47).
2	MMS settings	Changes the settings for the MMS messaging function. (See "MMS settings" on page 48).
3	CB settings	Changes the settings for the Cell broadcast function. (See "Broadcast messages" on page 49).
4	View msg status	Displays the number of messages stored in your phone and SIM card, and their total data size.
5	Rename folder	Renames Folder1 and Folder2 folders.
6	View all	Displays all the messages in all folders on the same list.
7	Msg filter	Sets the type(s) of messages to be displayed by selecting the desired filter option. SMS: Filters the SMS messages by stored location (SIM, Phone of Both), or by status (Complete, Incomplete or Both). MMS: Displays the MMS messages only. Both: Displays both SMS and MMS.

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

Message list Options menu

☛ With the Message list screen displayed, press **(MENU)** to display the Message list Options menu screen.

No.	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(s) and moves it/them to the Recycled folder (if there is Recycled folder).
4	Delete all	Deletes all the messages in the current folder and moves them to the Recycled folder (if there is Recycled folder).
5	Forward	Forwards the message text of the highlighted message.
6	Msgs/page	Enables to select either 3 or 6 messages being displayed on the screen.
7	Move msg	Moves the highlighted message to another folder, to the SIM card, or to the Phone.
8	Sort msg	By: Sorts the messages by Date, by Name, by Read/Unread, or by Size. Order: Sorts the messages in Ascending or Descending order. Method: Sorts the messages alphabetically.
9	Search	Enables to search a message alphabetically.
–	View details	Displays detailed information on the highlighted message.
–	Edit	Edits the highlighted message in the Drafts and the Outbox folders.
–	Resend	Resends the messages in the Outbox folder. The messages can be resend fully or only the packets that failed reaching the recipient(s).
–	Restore	Restores the deleted messages in its original folder from the Recycled folder.

☛ Depending on the operator and 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.

☛ If you select Delete or Delete all message(s) when there is no Recycled folder, the message(s) is deleted permanently (see page 38).

Message view Options menu

☛ With the Message view screen displayed, press **(MENU)** to display the Message view Options menu screen.

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 and moves it to the Recycled folder (if there is Recycled folder).
4	View details	Displays detailed information on the highlighted message. The detailed information includes From, To, Date, Msg type, Size, and Folder.
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 another folder, to the SIM card, or to the Phone.
8	Highlight mode	Activates the Highlight mode.

☛ 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 shall be displayed if an object is highlighted.

☛ You can use Save object function only when there are some objects in the message.

☛ If you select Delete or Delete all message(s) when there is no Recycled folder, the message(s) is deleted permanently (see page 38).

☛ Press the ◀ and ▶ keys to highlight the phone number, mail address or URL in the message. Then press **(MENU)** to select the function as follows:

Phone number:

1. Add to P'book
2. Dial phone no.
3. Create SMS
4. Create MMS

Mail address:

1. Add to P'book
2. Create MMS

URL:

1. Add to bookmark
2. Launch browser

Creating a message

- With the standby screen displayed, press **Softkey 1** twice to display the Msg type screen.
 - Press **1** to create a new SMS, or press **2** to create a new MMS.
 - Use the ▲ and ▼ keys to highlight the To field and press ○.
 - Input the required phone number and press ○. The New SMS or New MMS screen will be re-displayed.
- ☞ You can check other phone number(s) by pressing the ◀ or ▶ key.
- Use the ▼ key to highlight the Message/Subject field and press ○. The Message/Subject screen will be displayed.
 - Key in your message and press ○. If you press (MENU) during message creation, the Message edit Options menu screen will be displayed.
 - Press the appropriate key for the required option.
 - Press **Softkey 1** 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 creating your message, press **Softkey 1** 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 as the draft message (see page 38).

Message composer Options menu

- With the New SMS or New MMS screen displayed, press (MENU) to display the Message composer Options menu.














No.	Message composer Options menu	
-	Add	Enables to add a new recipient phone number, a message, or an object.
-	Edit	Edits the existing recipient phone number, the message, or the object.
-	Preview msg	Displays a message preview screen.
-	Delete	Deletes the highlighted recipient, message, or object.
-	Delete all	Deletes all the recipients, messages, or objects.
-	Save	Saves the message in Drafts folder.
-	Phonebook	Calls the Phonebook to insert a recipient phone number.
-	Resend list	Enables to insert a phone number from the redial list.
-	Insert	Enables to insert a new recipient phone number, a message, or an object.
-	Address list	Displays the recipient list in a full screen.
-	Msg options	Priority: Selects the message priority. Delivery date: Sets the delivery date. Hide/Clear address: Enables to hide or clear the address.
-	Copy	Copies the highlighted object.
-	Move	Moves the highlighted object to a new position.

No.	Message composer Options menu (Continued)	
-	New slide	Inserts a new object.
-	Duration	Sets the duration for the current object.

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

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

Message edit Options menu

No.	Message edit Options menu	
1	Text colour	<p>Selects the colour of text and background.</p> <ul style="list-style-type: none">  With the Message edit Options menu screen displayed, press 1.  Use the ◀▶ ▲ and ▼ keys to select the colour and press ○. A ✓ will be displayed on the selected colour. Then, press Softkey 1.
2	Text format	<p>Selects the font size (Normal, Large or Small) and font style (Bold, Italics, Underline or Strikethrough).</p> <ul style="list-style-type: none">  With the Message edit Options menu screen displayed, press 2.  Press the appropriate key for the required option.
3	Text alignment	<p>Sets the text alignment (Left, Centred or Right).</p> <ul style="list-style-type: none">  With the Message edit Options menu screen displayed, press 3.  Press the appropriate key for the required option.
4	Paste	<p>Pastes the text which has been copied onto the clipboard in the Highlight mode.</p> <ul style="list-style-type: none">  With the Message edit Options menu screen displayed, press 4. The text on the clipboard will be pasted. <p> <i>This function is active when the text to be pasted has been selected in the Highlight mode. You cannot use it when it is grayed out.</i></p>
5	Highlight mode	<p>Activates the Highlight mode.</p> <ul style="list-style-type: none">  With the Message edit Options menu screen displayed, press 5.  Place the cursor at the beginning or the end of the text and use the ◀ and ▶ keys to highlight the text, then press ○.  Press  to display the Highlight mode Options menu screen and press the appropriate key for the required option (see "Highlight mode Options menu" on page 46). <p> <i>Press Softkey 1 in the Highlight mode to toggle between On and Off. Press CLR to back to the normal mode.</i></p>

No.	Message edit Options menu (Continued)													
6	Insert object	<p>Inserts the required object(s) into the message text.</p> <ul style="list-style-type: none"> ☛ With the message entry screen displayed, place the cursor where you wish to insert an object. ☛ Press (MENU) and 6. Press the appropriate key for the required object type. ☛ Use the ▲ and ▼ keys to highlight the required object and press ○. <p>℞ <i>The "Insert object" option is displayed only in the message entry screen. You cannot use the grayed out function (see "My data" on page 68).</i></p> <table border="1" data-bbox="898 89 1160 282"> <thead> <tr> <th>Insert object Options</th> <th>Key</th> </tr> </thead> <tbody> <tr> <td>Text</td> <td>1</td> </tr> <tr> <td>Sound</td> <td>2</td> </tr> <tr> <td>Pictures</td> <td>3</td> </tr> <tr> <td>Animation</td> <td>4</td> </tr> <tr> <td>Emoticon</td> <td>5</td> </tr> </tbody> </table>	Insert object Options	Key	Text	1	Sound	2	Pictures	3	Animation	4	Emoticon	5
Insert object Options	Key													
Text	1													
Sound	2													
Pictures	3													
Animation	4													
Emoticon	5													
7	T9 Language	<p>Sets the T9 text mode on.</p> <ul style="list-style-type: none"> ☛ With the Message edit Options menu screen displayed, press 7. ☛ Press the appropriate key for the required language. 												
8	Edit settings	<p>Sets the Write mode (Insert or Overwrite) and Clear mode (Backspace or Delete).</p> <ul style="list-style-type: none"> ☛ With the Message edit Options menu screen displayed, press 8. ☛ Press the appropriate key for the required option. 												

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

Highlight mode Options menu

☛ With the Message edit Options menu screen displayed, press **5**. The Highlight mode screen will be displayed.

☛ In the Highlight mode, press **(MENU)** to display the Highlight mode Options menu.


☞ *The first two options (Text colour, Text format) will operate similar to those in the Message edit Options menu, however, only for the highlighted text.*

No.	Highlight mode Options menu	
3	Copy	Copies the highlighted part of text onto the clipboard. ☛ With the Highlight mode Options menu screen displayed, press 3 . The highlighted part of text will be copied onto the clipboard.
4	Cut	Cuts the highlighted part of text. ☛ With the Highlight mode Options menu screen displayed, press 4 . The highlighted part of text will be copied onto the clipboard and deleted from the document.
5	Delete	Deletes the highlighted part of text. ☛ With the Highlight mode Options menu screen displayed, press 5 . The highlighted part of text will be deleted.
6	Select word	Selects (highlights) the required word. ☛ With the Highlight mode Options menu screen displayed, press 6 . The nearest word to the current cursor's place will be highlighted.
7	Select paragraph	Selects (highlights) the required paragraph. ☛ With the Highlight mode Options menu screen displayed, press 7 . The entire paragraph which includes the current cursor's place will be highlighted.
8	Select all	Selects (highlights) the required text. ☛ With the Highlight mode Options menu screen displayed, press 8 . The entire text displayed will be highlighted.
9	Save to text file	Saves the highlighted part of text. ☛ With the Highlight mode Options menu screen displayed, press 9 . The highlighted part of text will be saved as a text file.

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

The following describes the setting items for SMS and MMS settings.

SMS settings

- ☞ With the standby screen displayed, press **Softkey 1** to display the Message screen.
- ☞ Press  and **1** before performing the following procedures.

SMS centre

This option enables to edit the SMS centre number. This number is saved in the SIM card.

- ☞ Press **1** to display the SMS centre screen.
- ☞ Input the number and press **Softkey 1**.

Auto display

This option enables to turn the automatic display function on/off. This function displays the received SMS message automatically.

- ☞ Press **2** to display the Auto display screen.
- ☞ Press **1** to activate or press **2** to deactivate the Auto display.

Receipt request

 **The Receipt request facility is network dependent.**

This option enables to select whether to request a receipt of the sent SMS messages.

- ☞ Press **3** to display the Receipt request screen.
- ☞ Press **1** to activate or press **2** to deactivate the Receipt request.

Max linked msgs

You can set the maximum number of linked SMS. This function divides the text message exceeding the maximum number or characters allowed in an SMS message into multiple messages.

- ☞ Press **4** to display the Max linked msgs screen.
- ☞ Key in a number between 1 and 10, and press **Softkey 1**.

 **The maximum number of linked SMS depends on the network.**

Validity period

You can select the period of time the SMS message is stored for on the SMS centre while trying to deliver the message.

- ☞ Press **5** to display the Validity period screen.
- ☞ Press the appropriate key to select the period.

MMS settings

- ☛ With the standby screen displayed, press **Softkey 1** to display the Message screen.
- ☛ Press **MENU** and **2** to display the MMS settings screen.
- ☛ Press **1** to display the Msg settings screen or press **2** to display the Web/MMS profiles screen before performing the following procedures.

Message settings

Delivery report



The delivery report facility is network dependent.

Selects whether to request a delivery report of the sent MMS message, and make a delivery status report for the received MMS message.

- ☛ With the Msg settings screen displayed, press **1** to display the Delivery report screen.
- ☛ Press **1** to display the Receipt request screen or press **2** to display the Auto send screen.
 - ☛ Press **1** to activate or press **2** to deactivate each function.

Auto receive

Selects whether to receive the MMS messages manually or automatically.

- ☛ With the Msg settings screen displayed, press **2** to display the Auto receive screen.
- ☛ Press **1** to manually download the MMS messages or press **2** to automatically download the MMS messages.

Validity period

Selects the period of time the MMS message is stored on the server while trying to deliver the message.

- ☛ With the Msg settings screen displayed, press **3** to display the Validity period screen.
- ☛ Press the appropriate key to select the period.

Web/MMS profiles

To alter or enter information into a connection, use the following procedure.

- ☛ With the Web/MMS profiles screen displayed, use the **▲** or **▼** key to highlight a connection name.
- ☛ If you want to edit it, press **MENU** and **3**. The list of available connection attributes is displayed.

Broadcast messages

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



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

- With the standby screen displayed, press **Softkey 1** and **8** to read the Broadcast messages.

Broadcast settings

- With the Message screen displayed, press  and **3** to display the CB settings screen before performing the following procedures.

Display filter

You can select the Filter setting for the Cell broadcast messages.

- With the CB settings screen displayed, press **1** to display the CB enable screen.
- Press **1** to receive none, press **2** to receive all the broadcast message, press **3** to specify a list or CBMI (Cell Broadcast Message Identifier) to receive broadcast from.

Languages







- With the CB settings screen displayed, press **2** to display the CB languages screen.
- Press the appropriate key for the required language.

Camera Function




Camera function enables you to take pictures and save them into a JPEG file. You can enjoy the picture files in many ways: send it attached to an MMS, set it as the wallpaper for your phone, etc.

Notes on using the Camera



Handling the Camera

-  Your phone's camera is constructed using extremely high-precision technology, but there may be lines or dots on the screen that appear permanently dark or bright. Note also that the amount of noise in the image (white lines, etc.) may increase noticeably when you take pictures in dimly-lit places.
-  Fingerprints or grease on the lens can result in focusing problems or dark images. Wipe the lens clean with a soft cloth before taking pictures.
-  Take care not to apply force to the lens when folding your phone. This could damage the lens.
-  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

-  You cannot switch camera's shutter sound off. The shutter makes a shutter sound even when the phone is in Meeting mode.
-  Take care to 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.
-  Note that if you attempt to shoot directly into a strong light source, such as the sun or another bright light, the image may turn dark or be disrupted.

Copyright information

-  Images shot 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 shot by using the camera of your phone and send it to others.

Activating and terminating a Camera function

- ☛ With the standby screen displayed, press **○** to display the Camera finder screen on your Main-LCD.
- ☛ You can also access the Camera finder screen by pressing **(MENU)** and **5** from the standby screen.
- ☛ Press **CLR** or **Softkey 2** to return to the previous screen from the Camera finder screen or press **⏪** to return to the standby screen.

Taking a picture

Taking a picture

- ☛ Activate the Camera function.
 - ☛ Look into the Camera finder screen and adjust the camera position to place the target on the screen.
 - ☛ Hold the Camera still, and press **○** or the **Side up** key.
 - ☛ Check the picture. If successfully taken, press **○**.
 - The default file name for the picture is the date, month, year, hour, minute and second from the date and time settings of your phone.
 - ☛ The picture is saved as a JPEG file in the Photo folder (see page 68).
- ☛ *If a call comes in while you are checking or storing 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.*

Using the Light

- ☛ With the Camera finder screen displayed, press **Softkey 1** to activate or deactivate the Light.
- ☛ *Take care not to hold the Light too close to your or other people's eyes when the Light is lit.*

Zoom

- ☛ With the Camera finder screen displayed, press the **▲** or **▼** key to activate or deactivate the Zoom mode.

Controlling brightness

- ☛ With the Camera finder screen displayed, use the **◀** and **▶** keys to control the brightness level of the picture. The current brightness level is displayed on the left of the Status icons area.

Before taking picture

Camera Options menu

- With the standby screen displayed, press **O** to display the Camera finder screen.
- You can also access the Camera finder screen by pressing **(MENU)** and **5** from the standby screen.
- Press **(MENU)** to display the Camera Options menu screen (before taking picture).
- Press the appropriate key for the required option.

No.	Camera Options menu	
1	Single/Burst mode	Switches the shooting mode to Single/Burst mode (serial shooting).
2	Shoot environment	Sets the shooting environment to Standard, Person, Room, Sepia, Monochrome, or Darkness.
3	Photo size	Sets the Photo size to Medium, Small, or Large. <i>Ⓜ You cannot use the Zoom, Frame function and Burst mode when the Large is selected.</i> <i>Ⓜ When you display the Large size picture on your phone's display, it is displayed in the smaller size than Medium.</i>
4	Image quality	Sets the image quality to Super fine, Normal or Economy.
5	Frame	Enables to select whether to use a frame when taking pictures, and set the desired frame with which a picture will be taken.
6	Self timer/cancel	Enables to take a picture by using the self-timer.
7	Flicker control	Enables to prevent flickers for when taking pictures under a fluorescent light by selecting the setting from 50Hz and 60Hz.
8	Thumbnail view	Sets how to display the pictures taken in the Burst mode to Thumbnail or Slide.
9	Other settings	Enables to access the Light, Brightness and Zoom settings.
0	Pictures	Enables to access the Pictures under My data (see page 68).

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

After taking picture

Camera Options menu

- After taking a picture, press **MENU** to display the Camera Options menu screen (after taking picture).
- Press the appropriate key for the required option.

No.	Camera Options menu	
1	Save current	Saves the currently displayed picture.
2	Save all	Saves the whole pictures (when pictures taken in the Burst mode).
3	Send as MMS	Sends the image file attaching to MMS (see page 37).
4	Set as wallpaper	Sets the picture as a Wallpaper.
5	Thumbnail view	Sets how to display the pictures taken in the Burst mode to Thumbnail or Slide.
6	Pictures	Enables to access the Pictures under My data (see page 68).

- *Depending on the conditions, some options may be displayed in gray and not be available.*
- *When you have pressed **END** to end the operation after accessing the Pictures, the display returns to the standby screen with the taken picture stored in the Photo folder.*

WAP Facilities

To access WAP service, you would need to:


- 1 Apply for WAP service before accessing Web. You can choose GPRS or CSD (the connection speed of GPRS is faster than CSD) as the data bearer for WAP access. For more details or subscription of WAP service, please contact your network service provider.
- 2 Set up WAP service settings in your phone.



What can I download

Your phone supports the downloading of three different types of content:

- Melodies
- Pictures
- Animation

 On downloaded data, see page 68.

What are ringer melodies?

Ringer melodies are the melodies your handset plays when you receive a call.

What are CLI pictures?

A CLI picture is a picture that you assign to a person in your phonebook. When that person calls or sends you a text message, the allocated CLI picture will appear on the phone showing you who is trying to contact you.

What are wallpapers?

Wallpaper is an image that is displayed as the background for your standby screen.

What are animations?

Animations are played when the phone is turned on. You can download them to your phone.

To set up your phone to access WAP information on the internet, use the following procedures.

Web/MMS Profiles

Your handset has been preset with a list of GPRS and CSD WAP proxy of different service provider.

To display the list of available connections, you can use the following procedure.

- With the standby screen displayed, press **(MENU)** **3**, **5** and **1** to display the Web/MMS profiles list screen.
- Use the **▲** and **▼** keys to highlight the required connection name, then press **○** to select.

You can also choose which type of connection you require: CSD or GPRS. Please contact your service provider before setting.

*The connection with a **✓** next to its name will be the connection used when you make a WAP connection to your Home page on the internet.*

*If the list of Profiles is too long to fit into one page, you can display the remaining Profiles by switching between pages using the **Side** keys.*

Setting the Web/MMS Profiles

To alter or enter information into a connection, use the following procedure.

- With the standby screen displayed, press **(MENU)** **3**, **5** and **1** to display the Web/MMS profiles list screen.
- Use the **▲** or **▼** key to highlight a connection name, press **(MENU)** to display the Profile options screen.


Adding a new Profile

- With the Profile options screen displayed, press **1**.
- Key in the Proxy title, then press **○**.
- Press the appropriate key for the required option.

No.	Profiles setting menu	
1	Load preset	Chooses proxy.
2	Proxy title	Edits proxy's name.
3	Homepage	Edits URL of proxy's homepage.
4	Security	Turns Web/MMS security setting on or off.
5	IP address	Edits IP address. If you do not have an IP address, please contact your network provider.
6	Bearer type	Web: Enables to select the type of connection for Web: GPRS or CSD. MMS: Enables to select the type of connection for MMS: GPRS or CSD.



No.	Profiles setting menu (Continued)	
7	GPRS settings	<p>AP name: Enables to enter the address of the external data network you want to connect to, either an IP address or a text string.</p> <p>User name: Enables to enter your user ID to enable you to log on to the external data network.</p> <p>Password: Enables to enter your password to enable you to log on to the external data network.</p>
8	CSD settings	<p>Connect type: Enables to select the connection line type: ISDN or Modem.</p> <p>Dial-up number: Enables to enter the phone number to dial to make a connection to your WAP service provider.</p> <p>User name: Enables to enter your user ID to enable you to log on to the external data network.</p> <p>Password: Enables to enter your password to enable you to log on to the external data network.</p>
9	MMS centre	Enables to edit the MMS centre address.

When you have finished entering or editing the connection information, press **Softkey 2**. The connection list will be displayed.

 If you select the read-only proxy, Edit function is disabled.

Copying a Profile


You can create a new Profile by copying a stored Profile.

-  With the Profile options screen displayed, press **2**.
-  Edit the displayed Proxy title, then press **0**.

For the Profile settings screen, see "Adding a new Profile" on page 55.

Editing a Profile



You can edit various settings for stored Profiles.

-  With the Profile options screen displayed, press **3** to display the Profile settings screen.

For the Profile settings screen, see "Adding a new Profile" on page 55.

Deleting a Profile

To delete a stored Profile, use the following procedure.

-  With the Profile options screen displayed, press **4** to delete the highlighted profile.
-  Press **Softkey 1** to confirm the deletion.

Setting the CSD linger time

The linger time will cause the connection to be broken if the connection has not been used for a preset amount of time. To set this time delay, use the following procedure.

- ☛ With the standby screen displayed, press **(MENU) 3, 5 and 2** to display the CSD linger time screen.
- ☛ Enter the time delay required and press **Softkey 1**.

Web font

You can select the font to be displayed on your phone's screen from Large and Small.

- ☛ With the standby screen displayed, press **(MENU) 3, 5 and 3** to display the Web font screen.
- ☛ Press the appropriate key for the required font.

Clear cache

If you start a WAP session using the last page visited, the information will be restored from a cache memory. If, however this page has been updated since your last visit, the updated page will not be displayed. To avoid this possibility clear the cache as follows:

- ☛ With the standby screen displayed, press **(MENU) 3, 5 and 4**. Then press **Softkey 1** to clear cache.

Reset settings

- ☛ With the standby screen displayed, press **(MENU) 3, 5 and 5**. Then press **Softkey 1** to reset all WAP settings to their original states.

Logging on to WAP site

There are three types of WAP connection:

- Connect to a specific URL
- Connect to the Home page of the default connection
- Connect to the last web page connected before

Connect to a specific URL

To connect to a URL specified by yourself, use the following procedure.

- ☛ With the standby screen displayed, press **(MENU) 3, 1 and 1**. Key in the desired URL, then press **○** twice.

Connect to the Home page of the default connection

- ☛ With the standby screen displayed, press **(MENU) 3, 1 and 2** to access the Homepage set to the currently selected Profile.

Connect to the last web page connected before

- ☛ With the standby screen displayed, press **(MENU) 3, 1 and 3** to display the last web page connected before.

P *When you access the Internet with your phone for the first time or after you have reset the memory, the Homepage set for Web/MMS profile will be the page to be accessed.*

Other features

Bookmark

- ☛ With the standby screen displayed, press (MENU) 3 and 2 to display the Bookmark screen.
- ☛ Press 1 to display the list of bookmarked pages, or press 2 to reset the bookmarked pages.

Snapshot

The Snapshot function allows you to store up to 10 web pages and view them off-line.

- ☛ With the standby screen displayed, press (MENU) 3 and 3 to display the Snapshot screen.
- ☛ Press 1 twice to display the list of stored snapshots, or press 2 to delete all the stored snapshots.

ℹ *The above operation is available only when one or more Snapshot data has been stored.*

ℹ *To take a snapshot, you need to access the Snapshot screen while browsing a WAP site.*

ℹ *Stored Snapshot data can only be used for the Snapshot function.*

Alert message

- ☛ With the standby screen displayed, press (MENU) 3 and 4 to display the Alert message screen.
- ☛ Press 1 to display the list of received Alert messages, or press 2 to delete all those messages.

NEC WEB site

Your phone is also supported by a Web site at www.necmobile.com. Access this site from your phone and you can select and download content from the wide variety available. So, you do not need a PC to take advantages of these great new services.

Further information

For more details, visit www.necmobile.com on your PC, or www.necmobile.com on your phone.

GPRS dial up

With GPRS dial up service, you can access internet or read Emails from your PC through your phone. Use your phone as a modem to connect to a compatible PC through a PC Link cable (option) to enable GPRS internet dial up service.

For more detailed procedures, please visit our company homepage.

ℹ *Before using this service, users would be required to subscribe GPRS service and buy a PC link cable and CD-ROM.*

Accessory








Calculator

You can perform addition, subtraction, multiplication and division with the calculator function. It also has a memory function. 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: Addition (+)
- ◀ key: Subtraction (-)
- ▲ key: Multiplication (×)
- ▼ key: Division (÷)
-  key: Square Root ($\sqrt{\quad}$)
-  key: Percent (%)
-  key: Inversion
- Softkey 1:** Memory Recall (2nd)/Memory Cancel
- Softkey 2:** Memory Addition (2nd)/Memory Store
-  key: Equals to (=)
- CLR key:** Delete digit
(Held) All clear
-  key: Exit calculator
-  key: Sign inversion (\pm)
-  key: Decimal Point (.)

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


Activating the Calculator

- ☛ With the standby screen displayed, press  **8** and **1** to display the Calculator.

Calculation

Calculating


To calculate using the calculator, for example $52+37$:

- ☛ Key in **52**.
- ☛ Press the **▶** key.
- ☛ Key in **37**.
- ☛ Press .

The answer **89** will be displayed in the calculation field.

Calculating using the temporary memory


To calculate using the temporary memory for example $5 \times (25 - 5)$:

- ☛ Key in **25**.
- ☛ Press the **◀** key.
- ☛ Key in **5**.
- ☛ Press .

The answer **20** will be displayed in the calculation field.

- ☛ Press **Softkey 2** to add the displayed number into memory.
- ☛ Key in **5**.
- ☛ Press the **▲** key.
- ☛ Press **Softkey 1**.

20 will be displayed in the field.

 Pressing **Softkey 1** again will clear the memory.

- ☛ Press .

The answer **100** will be displayed in the calculation field.

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

Activating Clock alarm

- With the standby screen displayed, press **(MENU) 8 and 2** to display the Clock alarm screen.
- Press **1** to activate or **2** to deactivate the Clock alarm.

Even if the phone has been switched off, the phone automatically switches itself on and sounds the alarm at the specified time if the alarm is set to On.

Clock alarm setting

- With the Clock alarm screen displayed, press **1**. The Set alarm screen will be displayed.

Setting the Alarm time

- With the Set alarm screen displayed, press **1** to display the Alarm time screen.
- Key in the required time, then press **Softkey 1**.

Setting the repetition

- With the Set alarm screen displayed, press **2** to display the Repeat screen.
- Press the appropriate key for the required option.
 - If you select **3**, the Day of the week screen will be displayed. Press the appropriate key for the required day, then press **Softkey 1** to save the setting.
 - You can select more than one day of the week at the same time.*
 - You can deactivate the selected day by pressing the appropriate key again.*

Setting the alarm tone

- With the Set alarm screen displayed, press **3** to display the list screen that includes the currently set melody.
- Use the **▲** and **▼** keys to highlight the desired melody, then press **○**.

See also: "Sounds" on page 69.

Setting the alarm tone volume

- With the Set alarm screen displayed, press **4** to display the Volume slider.
- Use the **▲** and **▼** keys, or press the required number key to set the alarm tone volume, then press **Softkey 1**.

Adding the text to be displayed accompanying the alarm

- ☛ With the Set alarm screen displayed, press **5** to display the Enter alarm text screen.
- ☛ Key in the desired text, then press **0**.

Setting the alarm data input

- ☛ Once the Clock alarm setting has been completed, press **Softkey 1** to save the input alarm data.

ℳ If you do not perform the above operation, set data will not be updated.

Resetting the alarm

- ☛ With the Clock alarm screen displayed, press **2**.

Scheduler

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

- ☛ With the standby screen displayed, press **(MENU) 8 and 3** before performing the following procedures.
The Scheduler will be displayed, showing either a weekly or monthly view (according to how the Scheduler was left when it was last used) with today's date highlighted.

Making an entry in the scheduler

- ☛ Press **0** to display the day's schedule list screen (if any).
- ☛ Press **Softkey 1** to display the Add new screen.

Setting the date & time

- ☛ With the Add new screen displayed, press **1** to display the Date & Time screen.
- ☛ Use the **▲** and **▼** keys to highlight the Year field and key in the year (if necessary).
- ☛ Use the **▲** and **▼** keys to highlight the Month field and key in the month (if necessary).
- ☛ Use the **▲** and **▼** keys to highlight the Day field and key in the day (if necessary).
- ☛ Use the **▲** and **▼** keys to highlight the Time field and key in the time of schedule event, then press **Softkey 1**.

ℳ Only the 24 hour format can be used for time entry for a scheduled event.

Description

- ☛ With the Add new screen displayed, press **2** to display the Description screen.
- ☛ Key in a description of the scheduled event, then press **0**.

Setting Reminder

- With the Add new screen displayed, press **3** to display the Reminder screen.
- Press **1** to activate or **2** to deactivate the Reminder.

Setting Repeat

- With the Add new screen displayed, press **4** to display the Repeat screen.
- Press the appropriate key for the required option.

Setting the Melody

- With the Add new screen displayed, press **5** to display the list screen that includes the currently set melody.
- Use the ▲ and ▼ keys to highlight the desired Reminder tone, then press ○.
- The Reminder tone will sound at the Ringer volume set to the current Phone mode.*
- See also: "Sounds" on page 69.*

Setting the Security level (Private/Public)

- With the Add new screen displayed, press **6** to display the Security level screen.
- Press **1** to select the Public or **2** to select the Private.

Setting the scheduler data input

- Once the Scheduler setting has been completed, press **Softkey 1** to save the schedule input data.
- Press **Softkey 1** to confirm.
- If you do not perform the above operation, set data will not be updated.*


Viewing the scheduled events

- With the Scheduler displayed, press **Softkey 1** to display the schedule for the previous month/week or press **Softkey 2** to display the schedule for the next month/week.
- Use the ◀▶ ▲ and ▼ keys to display the previous or next day until the required date is highlighted.

Scheduler Options menu

- Press ○ to display the highlighted day's schedules (if any). Use the ▲ and ▼ keys to highlight the required scheduled event, and press **MENU**.
- The Scheduler Options menu will be displayed.
- Press the appropriate key for the required option.

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). Current selection: Deletes the highlighted event. Public: Deletes the Public events on the day, all the past Public events, or all the Public events. Private: Deletes the Private events on the day, all the past Private events, or all the Private events. All: Deletes all the events.
5	Weekly/Monthly	Selects the Weekly/Monthly screen.
6	Go to date	Displays the selected date.
7	View	Enables to select the View type for displaying the events. Events: Displays the Public events only, the Private events only, or all the events. Summary: Displays the summary of all the events.


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


ToDo list

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 32 characters) and its start/due date.

 With the standby screen displayed, press  8 and 4 to display the ToDo list screen before performing the following procedures.

Creating ToDo task

 If there are no ToDo tasks listed, press **Softkey 1**. The ToDo editing screen will be displayed showing the Start date, Due date, Status, and Description.

 If there are no ToDo tasks stored, you will be prompted to create one.

Setting the Start date

 With the ToDo editing screen displayed, use the ▲ and ▼ keys to highlight the Start date field and press **Softkey 2**.

 Key in the required date, month and year. Then, press **Softkey 1**.

Setting the Due date

- Use the ▼ key to highlight the Due date field and press **Softkey 2**.
- Key in the required date, month and year. Then, press **Softkey 1**.


Setting the Status Finished/Unfinished

- Use the ▼ key to highlight the Finished/Unfinished field.
- Press **Softkey 2** to set the event status to Finished or Unfinished.

Description

- Use the ▼ key to highlight the Description field, and press **Softkey 2** to display the Enter ToDo text screen.
- Key in a description for the ToDo task and press **○**.
- Press **Softkey 1** to save the changes.

Viewing ToDo task details

- Use the ▲ and ▼ keys to highlight the required ToDo task and press **Softkey 1** to display the Details screen. The selected ToDo task's Start date, Due date, Status, and Description will be displayed.
-  If there are no ToDo task listed, pressing **Softkey 1** will display the ToDo editing screen.
 - To view the details of the previous or next ToDo task in the list, use the ▲ and ▼ keys.
 - To edit the currently displayed task, press **Softkey 1**.

ToDo Options menu

- Use the ▲ and ▼ keys to highlight the required ToDo task.
Press **(MENU)**. The ToDo options menu will be displayed.
- Key in the appropriate key for the required option.

No.	ToDo Options menu	
1	Add	Adds a ToDo task based on the highlighted ToDo task (see the second step of Creating a ToDo task on page 64).
2	Edit	Edits the highlighted ToDo task (see the second step of Creating a ToDo task on page 64).
3	Delete	Deletes the highlighted ToDo task.
4	Delete all	Deletes all the ToDo tasks.
5	Status	Displays the number of unfinished and finished tasks and how many more tasks can be created.
6	Finished	Changes the status of the selected ToDo task from finished to unfinished or vice versa.
7	Delete finished	Deletes all the finished ToDo tasks.
8	Display filter	Sets the type(s) of ToDo tasks to be displayed by selecting the desired filter option.

Notepad

Notepad function allows you to store simple text memos.

- ☛ With the standby screen displayed, press **(MENU)** **8** and **5** to display the Notepad screen before performing the following procedures.

Creating a new text file

- ☛ Press **1** to display the Add new screen. Use the text entry procedures (see page 31) to key in text, and press **O**.
The input file will be saved as a file. The first few words are displayed on the list of text files.

Notepad Options menu

- ☛ Press **2** and **(MENU)** to display the Notepad Options menu (see "File selector menu" from page 70).

Voice memo

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

Recording Voice memo

- ☛ With the standby screen displayed, press **(MENU)** **8**, **6** and **1** to display the New Record screen.
- ☛ Press **Softkey 1** to start recording. When the recording is completed, the Voice memo screen will be displayed.
- 📄 You can finish recording and save the data as a file by pressing **Softkey 2** even before the recording is completed.
- 🔍 For other functions of the Voice memo, see "Sounds" on page 69.

Currency converter

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

Activating the Currency converter

- ☛ With the standby screen displayed, press **(MENU)** **8** and **7**. The Currency screen will be displayed.

Converting currency

- ☛ Use the **▼** key to highlight the source currency code.
- ☛ Press **(MENU)** and **1** to bring up the currency list. Then, use the **▲** and **▼** keys to highlight the required currency and press **○**.
- 📖 *You can change the source currency by using the **◀** and **▶** keys to scroll through the currency codes, too.*
- ☛ Use the **▼** key to highlight the destination currency code.
- ☛ Press **(MENU)** and **1** to bring up the currency list. Then, use the **▲** and **▼** keys to highlight the required currency and press **○**.
- 📖 *You can change the destination currency by using the **◀** and **▶** keys to scroll through the currency codes, too.*
- ☛ Use the **▼** key to highlight the exchange rate.
- ☛ Key in the required exchange rate (for decimal point, press **(MENU)**).
- ☛ Use the **▼** key to highlight the money field.
- ☛ Key in the amount of money you wish to convert (for decimal point, press **(MENU)**) and press **Softkey 1**.
The result will be shown in the result field, and the current settings will be stored.
- 📖 *If you have made a mistake in entering the amount, use **CLR** to delete individual number or press **Softkey 2** to clear the entire amount, then start again.*

Resetting the currencies

- ☛ With the source currency code or the destination currency code field highlighted, press **(MENU)** and **2** to reset all the currencies to their initial values.

My data

Using My data, you can playback sounds, or display pictures downloaded from Internet or captured with the Camera function on your phone.

Pictures

In the following section, the Picture functions are described. The Picture function allows you to display and edit images and animations obtained with the camera function of your phone or downloaded from Internet. The Picture function also allows you to attach images and animations to MMS you compose. The Picture function is activated by selecting Pictures in My data screen or selecting Pictures in Option menu screen using camera function.

Displaying the Pictures list screen

- With the standby screen displayed, press the ▼ key and 1 to display the Pictures folder top screen before performing the following procedures.
- 📖 You can also access the Pictures folder top screen by pressing (MENU) 6 and 1.
- 📖 When the Flat view function is activated, the Pictures folder top screen is not displayed. The list of all the stored image files is displayed.

Download

- With the Pictures folder top screen displayed, use the ▲ and ▼ keys to highlight Download, then press the ► key. The Download picture list screen will be displayed.

Photo

- With the Pictures folder top screen displayed, use the ▲ and ▼ keys to highlight Photo, then press the ► key. The Photo list screen will be displayed. For details on the Camera features, see "Camera Function" on page 50.

Preset

- With the Pictures folder top screen displayed, use the ▲ and ▼ keys to highlight Preset, then press the ► key. The Preset picture list screen will be displayed.

📖 If you wish to move to another hierarchy in the highlighted folder, use the ◀ and ▶ keys.

Displaying the Pictures view screen

- Use the ▲ and ▼ keys to highlight an image file you wish to display and press **Softkey 1**. The image of the currently highlighted image file will be displayed.
- 📖 When a folder is highlighted, you cannot use **Softkey 1**.
- Press the ▲ key to display the previous image file or press the ▼ key to display the next image file.

In the following section, how to playback and delete desired sound items is described.

Displaying the Sounds list screen

- With the standby screen displayed, press the ▼ key and **2** to display the Sounds folder top screen before performing the following procedures.
- You can also access the Sounds folder top screen by pressing **(MENU) 6 and 2**.
- When the Flat view function is activated, the Sounds folder top screen is not displayed. The list of all the stored sound files is displayed.

Download

- With the Sounds folder top screen displayed, use the ▲ and ▼ keys to highlight Download, then press the ► key. The Download sound list screen will be displayed.

Preset

- With the Sounds folder top screen displayed, use the ▲ and ▼ keys to highlight Preset, then press the ► key. The Preset sound list screen will be displayed.

Voice memo

- With the Sounds folder top screen displayed, use the ▲ and ▼ keys to highlight Voice memo, then press the ► key. The Voice memo list screen will be displayed.

If you wish to move to another hierarchy in the highlighted folder, use the ◀ and ▶ keys.

Selecting and playing sound

- With the Sounds list screen displayed, use the ▲ and ▼ keys to highlight the sound you want to play. Then press **Softkey 1** to play the currently highlighted sound.
- When a folder is highlighted, you cannot use **Softkey 1**.

Starting and stopping

- Press **Softkey 2** to stop playing the currently highlighted sound. If you wish to play it again, press **Softkey 1** to restart playing the sound.

Adjusting the playback volume

- Use the Side keys to adjust volume.


File selector menu


- With the Pictures/Sounds list screen displayed, press **MENU**.
- Use the **▲** and **▼** keys to highlight the required menu item and press **O**.

File Selector Options menu

No.	File Selector Options menu	
1	Edit item	Enables to change the protection settings of the selected file, or cut, reduce, rotate the image, or set the frame to it. Change protection: Enables to change the protection settings of the selected file. Cut: Enables to cut the selected image. Reduce: Enables to reduce the selected image. Rotate: Enables to rotate the selected image. Frame synthesis: Enables to set the desired frame to the selected image.
2	Use item (Picture)	Enables to utilize the selected file by attaching to MMS or setting as wallpaper. Send: Attaches the selected file to MMS (see page 37). Set as wallpaper: Sets the selected image to be wallpaper.
2	Use item (Sound)	Enables to utilize the selected file by attaching to MMS or setting as ringer tone or message tone. Send: Attaches the selected file to MMS (see page 37). Set as ringtone: Sets the selected sound to be ringer tone. Set as message tone: Sets the selected sound to be message tone.
2	Use item (Notepad)	Enables to utilize the selected file by attaching to SMS/MMS. Send as SMS: Attaches the selected file to SMS (see page 37). Send as MMS: Attaches the selected file to MMS (see page 37).
3	Delete item	Deletes the selected file and folder.
4	Delete all	Deletes all the files in the current folder. (Sub folders are not deleted.)
5	Rename item	Enables to edit the file name of the selected file.
6	Copy item	Copies the selected file.
7	Move item	Moves the selected file.
8	Move all	Moves all the files in the current folder. (Sub folders are not deleted.)
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.

No.	File Selector Options menu (Continued)		
#	Options	Sorting order: Info column: Flat view: Sound titles: Save options: Reset options:	Sorts the files alphabetically, or by Date order. Sets whether to display the second column on the list screen, and what information shall be shown there if it is displayed. None: Displays no Info column. Size: Displays the size for each file (rounded to the nearest kilobyte) in the info column. Type: Displays the file extension for each file (only for those of which the file type is recognizable) in the info column. Enables to display the list of all the stored files regardless of the folder hierarchy. Enables to display the titles of sound files. Saves the current Options settings. Resets the Options settings.

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

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

Game

☛ With the standby screen displayed, press **(MENU)** and **7** to display the Game screen.

Poker

Game concept

This is a one-person Poker game. You have one chance to change the cards.

How to play

- ☛ With the Game screen displayed, press **1** to access the Poker game. "How to guide" screen will be displayed.
- ☛ Press **Softkey 1** to start the game.
- ☛ 5 cards are face down on the screen. Enter the bet using the **▲** and **▼** keys, then press **○**. The cards will be turned over to face up.
- ☛ Select the card(s) you wish to keep by pressing the appropriate number keys (1 to 5). The selected card(s) will be held. If you press the same key again, the card will be released.
- ☛ Press **○**. The cards you have not selected will be dealt again. Then, you can get result.
- ☛ Press **○** to start the game again once the game is over.

Belt

Game concept

You are a luggage loader and are loading parcels into trucks. The parcels are colour coded to be the same colour as the truck they must be loaded into. In between the parcels and their respective trucks are a series of conveyor belts which can move right. You must switch the conveyor belts' direction to guide the luggage to the appropriate truck. Each parcel you direct correctly will score 1 point. When 4 parcels miss their respective truck, the game is over. When you load 100 parcels correctly you will go on to the next level.

How to play

- ☛ With the Game screen displayed, press **2** to access the Belt game. "How to guide" screen will be displayed.
- ☛ Press **Softkey 1** to start the game.
Each conveyor belt has a key symbol under it. The direction of the conveyor belt (indicated by arrows at each end) will be reversed by pressing the appropriate key. Belts 1 & 3 and 7 & 9 are linked as pairs, so that pressing either key will change the direction of both belts.
- ☛ Press **○** to start the game again once a game is over.

Abbreviations

ADN	Abbreviated Dialling Numbers
ALS	Alternate Line Service
AoC	Advice of Charge
CLI	Calling Line Identification
FDN	Fixed Dialling Numbers
GPRS	General Packet Radio Service
GSM	Global System for Mobile communications
JPEG	Joint Photographic Expert Group
LCD	Liquid Crystal Display
MMS	Multimedia Message Service
PIM	Personal Information Manager
PIN	Personal Identification Number
PUK	Personal Unlocking Key
SDN	Service Dialling Numbers
SIM	Subscriber Identity Module
SMS	Short Message Service

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<MEMO>