

Emergency Services and Safety Precautions

Emergency Services

To make an emergency call in any country

 Press **1 1 2** .

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

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

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

General Care

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

- Do not allow the phone or its accessories to come into contact with liquid or moisture at any time.
- Do not place anything in the folded phone.
- Do not expose your phone to extreme high or low temperatures.
- Do not expose your phone to naked flame, cigars or cigarettes.
- Do not paint your phone.
- Do not drop or subject your phone to rough treatment.
- Do not place the phone alongside computer disks, credit cards, travel cards and other magnetic media. The information contained on disks or cards may be affected by the phone.
- Do not leave the phone or the battery in places where the temperature could exceed 60°C; e.g. on a car dashboard or on a window sill, behind glass in direct sunlight, etc.
- Do not remove the phone's battery while the phone is switched on.
- Take care not to allow metal objects, such as coins or key rings, to contact or short-circuit the battery terminals.
- Do not dispose of battery packs in a fire. Your phone's Li-ion batteries may be safely disposed of at Li-ion recycling points. For more specific battery and power supply information, see page 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.
- Do not aim or direct the InfraRed (IR) data port towards your or other people's eyes when using the IR data exchange.
- The foam covers the earpiece of the headset. Do not put any other part of the headset in your ears.

Aircraft Safety

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

Hospital Safety

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

General Safety

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

Road Safety

- You MUST exercise proper control of your vehicle at all times. Give full attention to driving.
- Observe all the recommendations contained in your local traffic safety documentation.

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

Vehicles Equipped with an Air Bag

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

Third Party Equipment

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

Service

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

Non-ionizing Radiations

The radio equipment shall be connected to the antenna via a non-radiating cable (e.g. coax). The antenna shall be mounted in a position such that no part of the human body will normally rest close to any part of the antenna unless there is an intervening metallic screen, for example, the metallic roof.

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

Efficient Use

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

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

Radio Frequency Energy

Your phone is a low-power radio transmitter and receiver. When it is turned on, it

intermittently receives and transmits radio frequency (RF) energy (radio waves). The system that handles the call controls the power level at which the phone transmits.

Exposure to Radio Frequency Energy

Your phone is designed not to exceed the limits for exposure to RF energy set by national authorities and international health agencies. * These limits are part of comprehensive guidelines and establish permitted levels of radio wave exposure for the general population. The guidelines were developed by independent scientific organizations such as ICNIRP (International Commission on Non-ionizing Radiation Protection) through periodic and thorough evaluation of scientific studies. The limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health, and to account for any variations in measurements. * Examples of radio frequency exposure guidelines and standards that your phone is designed to conform to:

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

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RF Warning Page**Radio Frequency (RF) Signals(900/1800MHz)**

THIS NEC PHONE (MODEL N820) COMPLIES WITH THE EU REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

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

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

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

*** Tests for SAR have been conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station antenna, the lower the power output.

Radio Frequency (RF) Signals(1900MHz)

THIS NEC PHONE (MODEL N820) COMPLIES WITH THE USA REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

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

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6W/kg.* Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government- adopted requirement for safe exposure. The tests are performed on position and locations (for example, at the ear and worn on the body) as required by FCC for each model. The highest SAR value for this model phone as reported to the FCC when tested



FCC ID# A98-KMP6J1L1
Model # KMP6J1L1-1A

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

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

Body- worn Operation

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section at [http:// www. fcc. gov/ oet/ fcid](http://www.fcc.gov/oet/fcid) after search on FCC ID A98 KMP6J1L1.

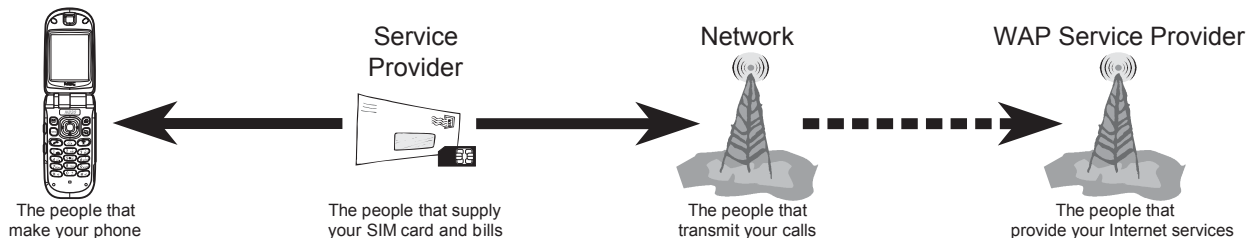
For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with a NEC accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Before You Start

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's manual to attract your attention:



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



This type of paragraph will contain information worth noting.



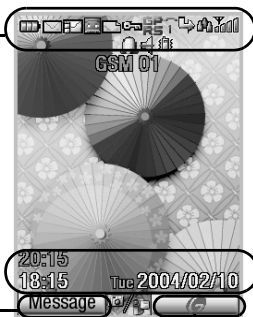
This type of paragraph will contain important information.

Display information

Status bar area

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

On screens other than the standby screen, the clock display is placed in this area.



Softkey area

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

Help area

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

Menu title



Shortcut menu number

The current menu number is displayed.

Shortcut number

Press the appropriate number to jump straight to a next menu.

The row colour is changed when selected (e.g. to activate/deactivate a facility).

Page scroll bar

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

Help icons

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

Next menu icon

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

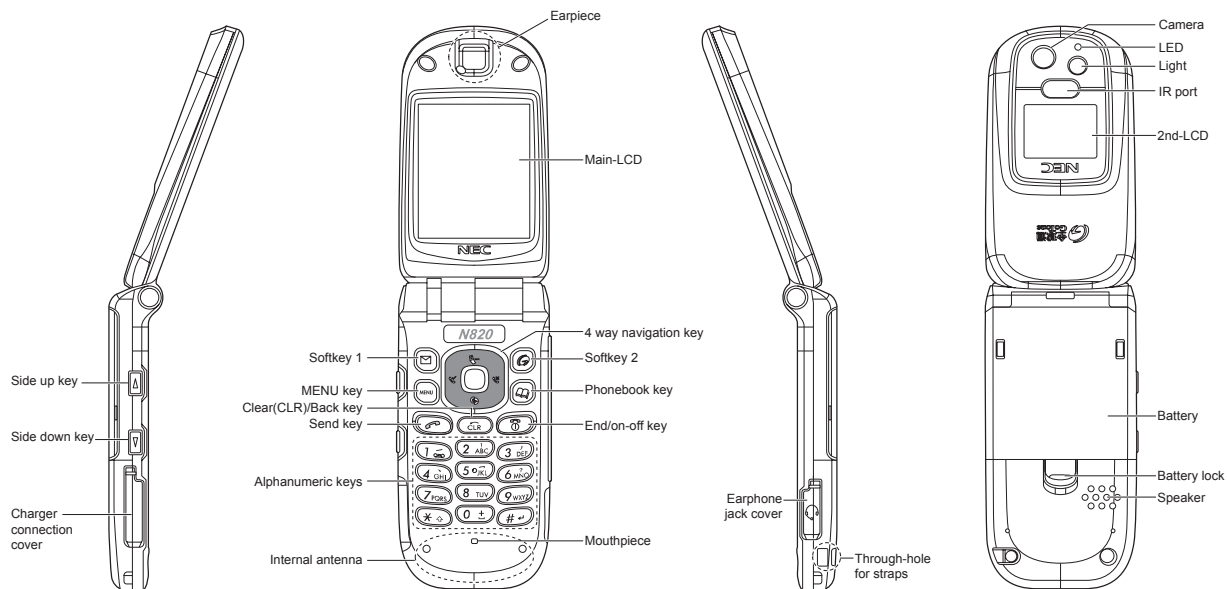


The LCDs on your phone are manufactured using high-precision technology. Even so, the LCDs may contain pixels (dots) that fail to light or that remain permanently lit. Note that this is normal and does not indicate a problem with your display.

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.

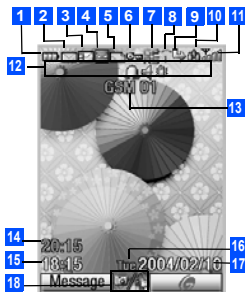
A check box/radio button option can be selected/cancelled by highlighting it and pressing O.



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	35	Setting the Side key lock	37
Softkey 1	Accessing the Message screen	54	Accessing the Msg type screen to create a new message	58
Softkey 2	Accessing the GoTone screen	68	Accessing the WAP site	–
	Accessing the Phonebook list screen	20	–	–
	Accessing the Phone modes screen	39	Setting the phone to Meeting mode	39
	Accessing the My document screen	48	Accessing the voice recall	9
	Accessing the received calls list	10	–	–
	Accessing the missed calls list	10	–	–
	Accessing the dialled calls list	10	–	–
	Accessing the camera view finder screen	29	Accessing the video camera view finder screen	30
	Ending a call or returning to the standby screen	–	Powering 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	27
2 to 9	Entering phone numbers	6	Going to the corresponding phone number in the phone-book(SIM) (One-touch dial)	8
0	Entering phone numbers	6	Entering + when you make an international call	13
#	Entering #	6	Entering a pause	–
*	Entering *	6	Switching the ALS line 1/2	37
			Muting or retrieving the sound during a call	9
Side up	Adjusting the volume when your phone is open	36	–	–
	Activating the ring silencer function when you receive a call	36		
Side down	Adjusting the volume when your phone is open	36	Turning on the light (To turn it off, press any key or open/close your phone.)	–
	Activating the ring silencer function when you receive a call	36		



- 1** Indicates the battery level.
 Appears while 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 in your phone is full.
- 3** Indicates that there is an MMS on the server.
- 4** (red, red/green, green) Indicates that new voice mail messages are on the network (No ALS/ALS Line 1/2).
- 5** Indicates that you have received an alert message.
- 6** Indicates secured communication on WTLS class 1 in WAP browsing.

- 7** (green, red) Green indicates that PDP Context is activated, and red indicates the connection with GPRS network.
- 8** Indicates the line status (ALS line 1/2 no ALS). The icon with displayed in red indicates that the ALS line 1 or 2 is unencrypted/no ALS.
- 9** Indicates that the call diversion is set.
- 10** Indicates the Meeting mode, Pocket mode, Car mode.
 No icon appears when the phone is in the Normal mode.
- 11** Indicates the signal strength level.
 Appears when you are outside the service area.
- 12** **<When the camera is in operation>**
 Indicates single/burst mode (camera).
 Indicates the video mode.
 Indicates the camera's shot environment.
 Indicates the photo/video screen size.
 Indicates the quality of the picture.

- Indicates that the self timer is on.
- Indicates that the camera's light is on.
- Indicates the brightness setting of the camera.
- Indicates the zoom level.
<When the camera is not in operation>
 Indicates alarm-on, sound-off and vibrator-on.
- 13** Network Name (indicated in orange when using roaming service)
- 14** Remote time
- 15** Local time
- 16** Day of week
- 17** Date
- 18** Indicates that you can use the options menu by pressing **MENU**.
 Indicates that you can use the phonebook list by pressing .
 Indicates that you can move to the camera view finder screen by pressing , or to the video camera view finder screen by pressing and holding .
 Indicates the usable keys in black, while a Java™ application is in operation.

2nd-LCD and displayed icons



Indicates the signal strength level.



Appears when you are outside the service area.



Indicates the battery level.



Appears while charging.



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 in your phone is full.



Indicates that there is an MMS on the server.



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



Indicates that the phone is in the Meeting mode.



Indicates that the phone is in the Pocket mode.



Indicates that the phone is in the Car mode.

No icon appears when the phone is in the Normal mode.

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



Indicates single or burst mode of the camera.



Indicates the video mode.



Indicates that the self timer is on.



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



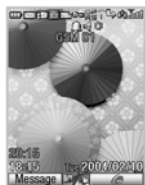
Indicates the quality of the picture (super fine, fine, normal, economy or super economy).



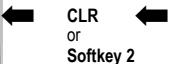
Indicates that the video is in operation.

Overview of menu function

Standby screen



Main menu screen



Key	Main menu	Second level menu
1	Settings	Phone
		Phone modes
		Main-LCD
		2nd-LCD
		Power saving
		Calls
		Security
		Network
		Reset settings
2	My document	Pictures
		Videos
		Sounds

Key	Main menu	Second level menu
3	Message	Inbox
		Drafts
		Outbox
		Sent
		Recycled
		Folder1
		Folder2
		CB
		Internet
		Bookmark
4	Monternet@	Snapshot
		Alert message
		Settings
5	GoTone	
6	Customer service	
7	Java™	Java™ applications
		Backlight setting
		Java™ storage info
		Connection setting
		Java™ download

Key	Main menu	Second level menu
8	Accessory	Calculator
		Clock alarm
		Scheduler
		ToDo list
		Notepad
		Voice memo
		Currency
		IR receive
		Phonebook
		Camera
9	SIM toolkit	

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<i>My document</i>	<i>48</i>
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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 phone helps to ensure that your conversations are kept secure.



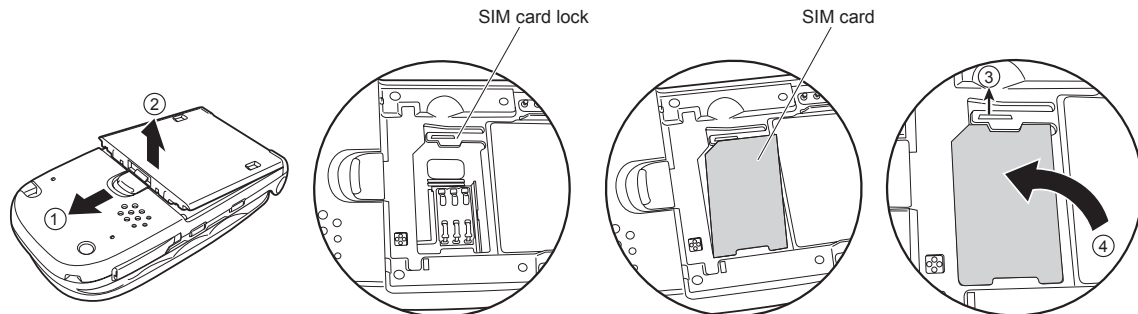
The SIM card contains personal data such as your electronic phonebook, messages (see page 53) and also details of the network services you have subscribed to. The phone will not work (except for emergency calls on some networks) unless a valid SIM card is fitted.



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

Inserting a SIM card

- Release the battery lock in the direction of arrow ①, and then lift the battery up in the direction of arrow ② to remove it.
- Place the straight end of SIM card with the metal part facing down.
- Carefully move to slide the SIM card lock in the direction of arrow ③ and push the SIM card in the direction of arrow ④ to place the SIM card under the lock.



⚠ **Never pull the SIM card lock upward. Doing so may break the lock.**

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

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

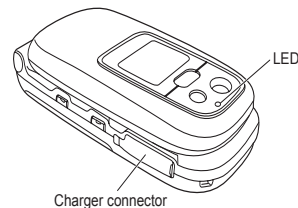
Removing a SIM card

- With the battery removed and lightly holding down the SIM card, slide the SIM card lock in the direction of arrow ③ and remove the SIM card.
- ℹ The SIM card may pop out when you release the SIM card lock. Be careful not to drop it.

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. If your phone is turned on, a message will be displayed on the 2nd-LCD. LED will turn on in red while charging. When charging is complete, the LED will turn off.
- ℹ You are recommended to switch off the phone while charging. If you need to receive calls, your phone can be switched on and left in standby while being charged, although the total time taken to charge is then increased.





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.



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



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



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



When you connect the USB cable (option) to the phone, charging will start and a charging icon will be displayed. Please note however that the battery cannot be fully charged by the USB cable.



You can also charge the phone using a desktop charger (option). If you use the desktop charger and the USB cable at the same time, the battery will be charged by the desktop charger.



Charging takes approximately 3 hours with your phone turned off.

Start-up

Switching the phone on

☛ Hold down  for about a second to switch on. The screen will display the selected greeting (see page 41) 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

☛ Hold down  until the display shows the switch off message.

PIN code

The SIM card issued by your service provider has a security feature called PIN code protection. The 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 messages 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 low battery warning is displayed. In extreme cases where the battery is left uncharged for some considerable time after this warning, a trickle charge is used to slowly top-up the battery to the safe level at which the fast charging can begin. The phone can be in trickle charge for a few minutes before the fast charging starts.



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 top of the standby screen.

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, a low battery warning 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.

Other battery alarms

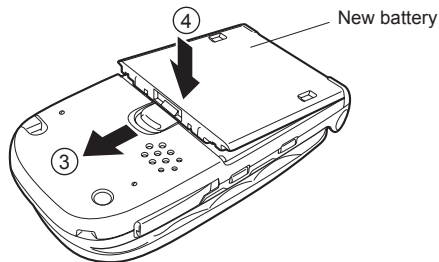
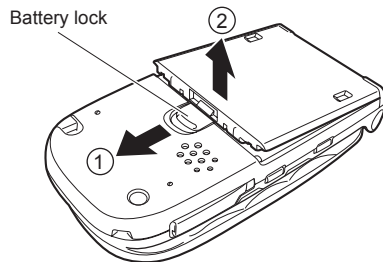
Your phone may display warnings when the battery temperature is too high or the voltage of the battery or the charger is over the appropriate level. Follow the instruction given by these warnings immediately, such as turning off the phone and removing the battery or charger.

Changing the battery



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

- Release the battery lock in the direction of arrow ①, and then lift the battery up in the direction of arrow ② to remove it.
- Put the new battery, release the battery lock in the direction of arrow ③, and push to slide the battery down under the lock (④).



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 13).

-  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. The maximum signal strength is shown by 4 shaded blocks and the minimum signal strength by 1 block.

Starting a call

-  Key in the phone number. Check the number on the display.
-  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 19).

Correcting mistakes

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

Ending calls

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

Receiving calls

When someone calls your number, the ringer will sound (if set - see page 40), the LED glows in the specified colour, and the phone number of the caller may be displayed if the calling line identification facility is available and the caller has activated the feature. If the caller's phone number has been related and stored in your phonebook with a name and a CLI picture (see page 22), 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 .

 When you use the headset, you can also accept a call by pressing the button on it.

Rejecting a call

Press  briefly or close your phone.

 When you use the headset, you can also reject a call by pressing and holding the button on it.

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 36).

 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 11 and “Call waiting and holding” on page 12.

 See also: “Call options” on page 10.

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

Emergency calls

The standard emergency number of 112 can be used.

 Key in **1 1 2**.

 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

You can redial the last number you called:

- Ensure that the standby screen is displayed and no phone number is shown.
- Press  twice. The last number you called will be dialed.

🔔 See also: "Call options" on page 10.

One-touch dial

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

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

Fast dialling

Fast dialling is activated in Abbreviated Dialling Numbers (ADN) by entering a number 1 to 255 (depending on the SIM card) and pressing **#** and .

Fast dialling is also activated by entering the location number 1 to 500 of your phonebook (Phone) and then pressing ***** and .

Displaying your own phone number

- With the standby screen displayed, press  and **0**.

📖 You can also display your own phone number by pressing , **8**, **9**, **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.

Receiving the second call

- Press **Softkey 1** to put the first call on hold.
- Press **Softkey 1** to accept the second call.
- Press **Softkey 2** to merge both calls.

Making the second call

- ☞ Press **Softkey 1** to put the first call on hold.
- ☞ Key in the phone number and press **Softkey 1** to make the second call.
- ☞ After the second participant answers, press **Softkey 2** to merge both calls.

Putting the multi-party calls on hold

- ☞ Press **Softkey 1** to put both the first and second calls on hold.
- 📖 You can put the first call and the second call on hold by pressing **2 2** ☎ and **2 1** ☎, respectively.

Ending the multi-party calls

- ☞ Press  or **Softkey 2** to end both the first and second calls.
- 📖 You can end the first call and the second call by pressing **1 1** ☎ and **1 2** ☎, respectively.

👉 **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 sound, see page 21. To use the voice recall function, use the following procedure:

- ☞ With the standby screen displayed, press and hold the ▼ key.
- 📖 When you use the headset, you can also activate the voice recall function by pressing and holding the button on it from the standby screen.
- ☞ Within 4 seconds, say the word or words you have recorded to identify the record you wish to recall. If the word or words were recognized, the phonebook contents will be called automatically.

Mute

You can mute the sound from the mouthpiece during a call:

- ☞ 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 call ends.

Call options

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

- With the standby screen displayed, press  **8, 9 and 3** to display the Call options screen before performing the following procedures.

Display the list of missed/received/dialled calls

- With the Call options screen displayed, press **1** to display the list of missed calls, **2** to display the list of received calls or **3** to display the list of dialled calls.
-  Also, from the standby screen you can directly access the lists of received calls, missed calls and dialled calls by pressing the **◀**, **▶** and  keys respectively.
- Use the **▲** and **▼** keys to highlight a number in the list and press .
- Press the appropriate key for the required operation.

No.	Missed calls/Received calls/Dialled calls Options menu	
1	Call	Calls the current number.
2	Phonebook	Adds the current number to the phonebook. - Press 1 to add it as a new personal data, or 2 to add it to an existing personal data. - Press the appropriate number for the storage destination. - Press the appropriate number for the phonebook data field to copy the current number to.
3	Delete one	Deletes the current number.
4	Delete all	Deletes all the numbers in the list.
5	Info	Displays information on the current number.

Displaying the duration of the last call/total calls

- With the Call options screen displayed, press **4** to display the duration of the last call made on your phone, or **5** to display the duration of the total outgoing calls.
- Press **Softkey 1** to reset the display to zero.

Displaying the charge information (Advice of Charge - AoC)



The AoC facility is SIM card and network dependent.

Total charge

- With the Call options screen displayed, press **6** and **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

- ☞ With the Call options screen displayed, press **6** and **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

- ☞ With the Call options screen displayed, press **6** and **3**.
- ☞ Use the **▲ ▼ ◀ ▶** keys to highlight the whole number (integer), the decimal number or the currency field.
- ☞ Key in the required value for the whole number and decimal number fields. For the currency type using a maximum of three characters.
- ☞ 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 13). If you have set auto redial and the call still fails, the number called will be added to the blacklist.

- ☞ With the Call options screen displayed, press **7** to access the numbers in the blacklist.

Call settings

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

- ☞ 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 **◀ ▶** keys to highlight the type of call you wish to divert.
- ☞ Use the **▲ ▼** 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 **▲ ▼** keys to highlight the appropriate field, and then press **Softkey 1** to clear any mistakes. If the settings are correct, press .



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

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

There may be unavailable settings depending on your network.

Call diversion edit options menu

☞ Use the ▲ and ▼ keys to highlight the required edit field, and then press **MENU**.

☞ 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 previously copied number.
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 as a new personal data or saves the number in an existing personal data.

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

Call waiting and holding

This facility informs you that another 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** and **1** 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 switch the calls, press **Softkey 1**.*

📖 *If you wish to merge calls, press **Softkey 2** (see "Multi-party calls" on page 8).*

☞ Press **⏏** to end the current call, and then press **Softkey 1** to retrieve the held call.

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 facility enables you to choose whether or not to send your own phone number when you make a call and also whether or not to display a caller's phone number when you receive a call. 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 the table on the 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, hold down **0**. The 0 character displayed will change to a + character.
- ☞ Key in the country code, area code, and phone number that you wish to call.

The UK country code is always 44, no matter what country you are dialling from. For example, a typical UK number of 01189 123456 is entered as:

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

Roaming



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

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

When dialling, you will need to add the international access codes if required. So, storing all numbers with the codes (such as +44 for the UK) is helpful (see page 13).

 *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

 With the Network screen displayed, 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

 With the Network screen displayed, 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.*

 With the Network screen displayed, press **3** to read the network list in the SIM memory.

 Use the **▲** and **▼** keys to highlight the required network, and then press .

 Press the appropriate key for the required function.

No.	SIM list Options menu	
1	Add	Adds a new network to the list.
2	Move	Moves the highlighted network within the list.  Use the ▲ and ▼ keys to move the network, and then press Softkey 1 .
3	Remove	Deletes the highlighted network.

Selecting the frequency band

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

 With the Network screen displayed, press **4**.

 Press the appropriate key for the required frequency band.

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

Text Entry

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

Mode change

- With a text entry screen displayed, press **Softkey 1** to change the text entry mode.
Chinese mode: T9[®] Chinese stroke, T9[®] Pinyin/Zhuyin, Numeric input, Normal text (ABC)
English mode: T9[®] English text, Normal text (ABC), Numeric input

T9[®] English text input

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

- With a text entry screen displayed, press **Softkey 1** until the entry mode is T9[®] English input.
- i) For example, to enter "Good":
- Press **4 6 6 3**, and then press **0** to confirm the word.
- ii) To enter "Peter is good":
- Press ***** to shift to upper case (for one letter). You will see a green arrow in the Help area.
 - Press **7 3 8 3 7** to display "Peter", and then press **0** to confirm.
 - Press **4 7** to display "is", and then press **0** to confirm.
 - Press **4 6 6 3** to display "good", and then press **0** to confirm and the sentence is completed.

Key	Function
0	Confirms a word and inserts a space.
SK1, SK2 or #	Displays other matching words (such as home, gone, hood, etc.).
◀ or ▶	Places the cursor.
CLR	Deletes any character.
*	Toggles between lower case, shift (upper case for one letter) and caps lock (permanent upper case).
#	Activates symbol mode when no word is highlighted.

Normal text input

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

Key	Function
*	Toggles between lower case, shift (upper case for one letter) and caps lock (permanent upper case).
0	Inserts a space.
CLR	Deletes any character.
◀ or ▶	Places the cursor.
#	Activates symbol mode.

- ☛ If you have made a mistake, use the ▲ ▼ ◀ and ▶ keys to place the cursor to the right of the incorrect character and 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

- ☛ With a text entry screen displayed, press **Softkey 1** until the entry mode is Numeric input.
- ☛ Use alphanumeric keys to enter numbers.

T9® Chinese Stroke input

- ☛ With a text entry screen displayed, press **Softkey 1** until the entry mode is T9® Chinese Stroke input.
- ☛ Press * to toggle Radical mode on/off. (If ON, an indication appears in the stroke bar.)
- ☛ Press **1** to **6** to add a stroke to the stroke bar, and display candidate characters.
- ☛ To select a candidate, press **Softkey 1** or **0** and then the character number (1-9), or press and hold the character number for one second. (Pressing the ▲ or ▼ key will display more characters when there are more than 9 candidates.)
- ☛ If the radical mode is on, radicals will appear with a dotted line underneath. Select a radical to copy it to the stroke bar, where more strokes may be added.
- ☛ When a character has been selected, it is copied to the edit field and the cursor moves to the right to accept the next character.

T9® Pinyin input (Simplified Chinese)

- ✦ With a text entry screen displayed, press **Softkey 1** until the entry mode is T9® Pinyin input.
- ✦ Press **2 to 9** keys to enter a pinyin, based on the normal key mapping. Matching pinyins are displayed in the top row of the T9® bar.
- ✦ Use the ◀ or ▶ key to highlight a pinyin.
 - ✦ If a complete pinyin is highlighted, you may press **Softkey 2** to display the Tones.
 - To select a Tone, press the Tone number.
- ▢ Character candidates are displayed on the candidate bar. (Pressing the ▲ or ▼ key will display more characters when there are more than 9 candidates.)
- ✦ To select a character, press **Softkey 1** or **0** and then the character number (1-9), or press and hold the character number for one second.
- ▢ When a character has been selected, it is copied to the edit field and the cursor moves right to accept the next character.

T9® Zhuyin input (Traditional Chinese)

- ✦ With a text entry screen displayed, press **Softkey 1** until the entry mode is T9® Zhuyin input.
- ✦ Press a key (1-9, *, #) to enter a zhuyin, based on the BoPoMoFo key mapping. Matching zhuyins are displayed in the top row of the T9® bar.
- ✦ Use the ◀ or ▶ key to highlight a zhuyin.
 - ✦ If a complete zhuyin is highlighted, you may press **Softkey 2** to display the Tones.
 - To select a Tone, press the Tone number.
- ▢ Character candidates are displayed on the candidate bar. (Pressing the ▲ or ▼ key will display more characters when there are more than 9 candidates.)
- ✦ To select a character, press **Softkey 1** or **0** and then the character number (1-9), or press and hold the character number for one second.
- ▢ When a character has been selected, it is copied to the edit field and the cursor moves right to accept the next character.

Key allocations

Whenever you need to enter text (for short messages, storing names with numbers, etc.), successive presses of an alphanumeric key will display different characters. Pressing * in T9® English text input or Normal text (ABC) input toggles between lower case, shift (upper case for one letter) and caps lock (permanent upper case). 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

In the symbol mode, pressing each key will input a symbol according to its position on the Symbols screen. By pressing # in a text entry mode other than T9® Zhuyin input mode, the Symbol screen will be displayed. Use the ▲ and ▼ keys to select the row, and then press the appropriate number on the column of the required symbol.

Phonebook

Accessing your phonebook

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

Accessing your phonebook

- ☛ With the standby screen displayed, press  to display the phonebook directory you had accessed the last time.
- ☛ Press  until the required directory is displayed.
- ☛ You can also access each directory by pressing  **8, 9, 1** and the appropriate key for the desired directory.
- ☛ Use the **▲** and **▼** keys to highlight the required personal data and press . The personal data will be displayed in detail.

Displaying information about your phonebook

- ☛ With the standby screen displayed, press  **8, 9** and **2** to display the information about your phonebook.

Call options

- ☛ With the standby screen displayed, press  **8, 9** and **3** to display the Call options screen.
- 📎 For details on the Call options screen, see “Call options” on page 10.

Phonebook types

Your phone can have up to 7 directories stored on your SIM card and in your phone memory:

- Complete (a list of all the numbers stored in the ADN and FDN)
- Personal directories (ADN) in the SIM card
- Personal directories (ADN) in the phone memory
- Service dialling numbers (SDN)
- Fixed dialling numbers (FDN)
- Own number
- Voice mail number

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

Personal directory (ADN)

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

Phonebook (SIM)

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

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

Phonebook (Phone)

Up to 500 personal data can be stored in your phone memory. Each personal data is given a location number (1 to 500), and it can be allocated to a group.

To each personal data, you can set the following:

- 7 phone numbers (Home, Mobile, Work, Data, Fax, Other phone x 2)
- 2 Email addresses
- 2 descriptive information
- LED colour, a CLI picture and a ringer tone

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

Fixed dialling numbers (FDN)

Fixed dialling numbers are a means of limiting which numbers can be called from your phone. With the FDN feature switched on (see page 46), 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.

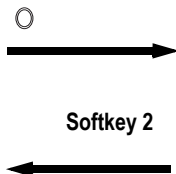
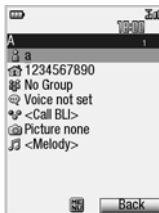


Although SDN is supported by your phone, it must be present on your SIM card - check with your service provider.

Phonebook list screen



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 directory you had accessed the last time.
- ☞ Press until the required directory is displayed.
- ☞ You can also access each directory by pressing **(MENU)** **8, 9, 1** and the appropriate key for the desired directory.
- ☞ Use the **▲** and **▼** keys to highlight the required personal data, and then press **(MENU)** to display the Phonebook list Options menu screen.

No.	Phonebook list Options menu	
1	Add new	Adds a new personal data.
2	Edit	Displays the data edit screen to edit the currently highlighted personal data.
3	Copy	Copies the currently highlighted personal data or the whole list to the following: Current copy (a personal data): phonebook (SIM), phonebook (Phone), FDN, the own number setting or the voice mail number setting. Package copy (the whole list): phonebook (SIM), phonebook (Phone) or FDN.
4	Move	Moves the currently highlighted personal data to the phonebook (SIM), phonebook (Phone), FDN, the own number setting or the voice mail number setting.
5	Delete	Deletes the currently highlighted personal data, or all the data in the list.
6	Groups	Adds, moves or removes the currently highlighted personal data to and from a group, or displays the list of groups.
7	Sort	Sorts the personal data in the order of alphabets, location number, pinyin or stroke.

No.	Phonebook list Options menu	
8	Location	Searches for the personal data by the location number.
9	Show	Displays the summary of phonebook contents or the telephone numbers with the voice recognition tags recorded.
0	IR send	Sends the currently highlighted personal data to another device through the IR port.

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, and then press **Softkey 1** (see "Editing an existing personal data" below).

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

Editing an existing personal data

- ✎ With the Phonebook list Options menu screen displayed, press 2.
- 📖 *For the phonebook (SIM) and FDN, only the name, phone number and the location number can be added or edited in the following procedures.*
- 📖 *For the own number and voice mail number settings, only the name and phone number can be added or edited in the following procedures.*

Adding/editing phone numbers, mail addresses & personal information

- ✎ Use the ▲ and ▼ keys to highlight the field you wish to edit or add information to, and then press ○.
- ✎ Add the required number or information or make necessary changes 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 also edit the Name, Pinyin, Phone number, Email address and Info fields by the above method.*

Allocating a group

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

Voice recall functions

- ✎ Use the ▲ and ▼ keys to highlight the Voice tag field, and 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 25).

Allocating a LED colour

☞ Use the ▲ and ▼ keys to highlight the LED colour field, and then press ○ and 1.

☞ Use the ▲ and ▼ keys to highlight the desired colour, and then press ○.

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

Allocating a CLI picture

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

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

📖 If preview is not necessary, press ○ to select the highlighted 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 48.

Allocating a ringer

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

☞ Use the ▲ and ▼ keys to highlight the desired melody, and 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 50.

Allocating a Location number

☞ Use the ▲ and ▼ keys to highlight the Location number field, and then press ○.

☞ Key in the desired location number, and then press ○.

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

Copying a personal data

📖 *For the own number and voice mail number, only the "Current copy" function 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 and 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 item 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 destination.
- 📖 *In the case of phonebook (Phone), you have to select whether to just copy the first phone number or copy all the registered numbers.*
- ✚ Key in the desired location number, and then press **○**.
- 📖 *If you choose to copy all phone numbers and there is any 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 a 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 and 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 pressing  to display the Phonebook list Options menu screen.*

Group functions

Adding/moving personal data 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, and then press .

📖 *The confirmation messages may be displayed after this procedure. In that case, press **Softkey 1** to complete the operation.*

Removing personal data 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**, and then edit the group name and press .

Sorting

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

Selecting the 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.

Pinyin sorting

☞ Press **3** to display the phonebook list screen in Pinyin sorting order.

Stroke sorting

☞ Press **4** to display the phonebook list screen in Stroke sorting 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. Also, when an Email address is displayed in the Help area, you can press **Softkey 1** to create a new MMS.

Searching for a personal data by the location number

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

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.

Sending data by IR (Infrared)

- With the Phonebook list Options menu screen displayed, press **0**.
- Press **1** to send data to a device supporting the standard infrared data exchange, or press **2** to send data to a device supporting the N8 format.

Personal data Options menu

- With the standby screen displayed, press to display the phonebook directory you had accessed the last time.
- Press until the required directory is displayed.
- You can also access each directory by pressing **8**, **9**, **1** and the appropriate key for the desired directory.
- Use the ▲ and ▼ keys to highlight the required data and press .
- Use the ▲ and ▼ keys to highlight the required field, and then 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 or Email address.
3	IR send	Sends the selected personal data to another device through the IR port.
4	Edit	Edits the selected personal data.
5	Copy	Copies the selected phone number(s)/Email address(es).
6	Move	Moves the selected phone number(s)/Email address(es).

No.	Personal data Options menu (Continued)	
7	Delete current	Deletes the selected personal data.

See "Phonebook list Options menu" on page 20 for the operation of 3 (IR send), 4 (Edit), 5 (Copy), 6 (Move), and 7 (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 to display the Send message screen.

Press 1 to create a new SMS, or 2 to create a new MMS.

For details on the procedures to create new messages, see "Message" on page 53.

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 displayed number will be dialed.

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, and 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  8, 9, 1 and 7 to display the Voice mail number screen.

Use the  and  keys to highlight the required line, and then press  twice.

Press , key in the voice mail number, and then press .

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

Forwarding a call to the Voice mail centre

- ☞ Set the voice mail centre number (see “Setting the Voice mail number” for details).
- ☞ Set up Call diversion (see “Call diversion” on page 11 for details).

When you receive a call set to be diverted, the call will be diverted to the voice mail centre.

Retrieving a Voice mail

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

- ☞ With the standby screen displayed, press  **8, 9, 1** and **7** to display the Voice mail number screen.
- ☞ Use the **▲** and **▼** keys to highlight the required line, and then press **○**.
- ☞ Press  and **1**.

Camera

Camera function enables you to take pictures or record videos and save them as JPEG files and 3GPP files respectively. You can enjoy the picture and video files in many ways: send them attached to an MMS, set a picture file 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.**
-  **Be careful not to apply force to the lens when closing your phone. This could damage the lens.**
-  Fingerprints or grease on the lens can result in focusing problems or dark images. Wipe the lens clean with a soft cloth before use.
-  The image quality may be degraded after your phone has been left for a long period in a warm place.
-  Exposing the camera to direct sunlight for a long period could discolour the camera's internal colour filter and cause discoloured images.
-  Camera mode is automatically cancelled if none of the phone's keys are pressed for 3 minutes or longer.

Precautions when taking pictures/recording videos

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

Copyright information

-  Images and videos shot or recorded on your phone cannot be used in ways that infringe copyright laws without the consent of the copyright holder, unless intended only for personal use. Note that some restrictions apply to the photographing of stage performances, entertainments and exhibits, even when intended purely for personal use.
-  Users are also asked to note that the transfer of images protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.
-  **Be considerate of other people's privacy when you take a picture or record a video using the camera of your phone and send it to others.**

Taking a picture

- ☞ With the standby screen displayed, press  to activate the camera function.
- ☞ You can also activate the camera function by pressing  **8**, **0** and **1** from the standby screen.
- ☞ Look into the camera view 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 picture is saved as a JPEG file in the Pictures folder (see page 48).
- ☞ 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.
- ☞ After taking a picture, pressing **Softkey 2** will display a new MMS editor screen with the picture file attached.
- ☞ If a call comes in while you are checking or saving a photographed image, image storage is cancelled. When this occurs, the next time you select camera function a message appears to say that you have an image that was not stored, allowing you to check and store the image.

Using the light

- ☞ With the camera view finder screen displayed, press **Softkey 1** to turn the light on or off.
- ☞ 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 view finder screen displayed, press the  or  key to zoom in and out.

Controlling brightness

- ☞ With the camera view 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 bar area.

Recording a video

Recording a video



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

- With the standby screen displayed, press and hold to activate the video camera function.
 - You can also activate the video camera function by pressing **8, 0 and 2** from the standby screen.
 - Look into the view finder screen and adjust the camera position.
 - Press or the **Side up** key to start recording. The progress bar will show the ratio of how much you have recorded already.
 - While recording, be careful not to cover the mouthpiece of your phone as it is used as the microphone to record sound along with the video.
 - While recording, the key tones are deactivated.
 - Move the camera to capture the scenes you want.
 - Press or the **Side up** key again, or close your phone to stop the recording.
 - After the set video file size is reached, the recording automatically stops.
 - Press **Softkey 1** to replay the video. If successfully recorded, press .
 - The video is saved as a 3GPP file in the Videos - My movie folder in My document (see page 48).
 - The video file will be saved as a file named from the date, month, year, hour, minute and second of the time the recording was completed.
 - After recording, pressing **Softkey 2** will display a new MMS editor screen with the video file attached (the video file size must be set to Mail).
 - For the operations while replaying the video, see "Videos" on page 49.
- If a call comes in while you are checking or saving a video, video storage is cancelled. If this occurs, the next time you select camera function a message appears to say that you have a video that was not stored, allowing you to check and store the video.

Camera Options menu

Before taking a picture

Camera Options menu

- With the standby screen displayed, press to activate the camera function.
- You can also access the camera function by pressing **8, 0 and 1** from the standby screen.
- Press to display the Camera Options menu screen (before taking a picture).

- Press the appropriate key for the required option.

No.	Camera Options menu (before taking a picture)	
1	Single mode/Burst mode	Switches the shooting mode to Single/Burst mode (serial shooting).
2	Shoot environment	Changes the camera settings to suit the environment. Select from Standard, Person, Room, Sepia, Monochrome, Negative film or Darkness.
3	Photo size	Sets the picture size to Sub-QCIF (W128*H96), QCIF (W176*H144), Wallpaper (W240*H320), or VGA (W640*H480). <i>ⓘ You cannot use the Zoom, Frame function and Burst mode for VGA sized pictures.</i> <i>ⓘ If you select Wallpaper or VGA, the picture on the camera view finder screen will be displayed as a smaller picture than the actual size. Also on the camera view finder screen, the picture size before shooting differs from the size after shooting.</i>
4	Image quality	Sets the image quality to Super fine, Fine, Normal, Economy or Super economy.
5	Frame	Selects whether to use a frame when taking pictures, and sets the desired frame with which a picture will be taken.
6	Self timer/Self timer cancel	Activates or deactivates the self-timer function.
7	Shutter sound	Selects the shutter sound from Sound1, Sound2 or Sound3.
8	Thumbnail view	Selects whether to display the pictures taken in the Burst mode as thumbnails or slides.
9	Viewfinder	Switches the camera view finder screen between the main-LCD and the 2nd-LCD.
0	Other settings	Changes the Light, Brightness and Zoom settings.

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

After taking a picture

Camera Options menu

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

No.	Camera Options menu (after taking a picture)	
1	Save current	Saves the currently displayed picture.
2	Save all	Saves all pictures taken in Burst mode.
3	Send as MMS	Sends the file attached to an MMS message (see page 53).
4	Set as wallpaper	Sets the picture as a wallpaper.
5	Thumbnail view	Selects whether to display the pictures taken in the Burst mode as thumbnails or slides.

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

Before recording a video

Camera Options menu

- ✎ With the standby screen displayed, press and hold  to activate the video camera function.
- ✎ You can also access the video camera function by pressing  **8**, **0** and **2** from the standby screen.
- ✎ Press  to display the Camera Options menu screen (before recording a video).
- ✎ Press the appropriate key for the required option.

No.	Camera Options menu (before recording a video)	
1	Shoot environment	Changes the camera settings to suit the conditions. Select from Standard, Person, Room, Sepia, Monochrome, Negative film or Darkness.
2	Screen size	Sets the video screen size to Sub-QCIF (W128*H96) or QCIF (W176*H144).
3	Video file size	Sets the video file size to mail size (up to 100kB, which can be attached to an MMS) or normal size (up to 256 kB).
4	Self timer/Self timer cancel	Activates or deactivates the self-timer function.
5	Viewfinder	Switches the camera view finder screen between the main-LCD and the 2nd-LCD.
6	Other settings	Changes the Light, Brightness and Zoom settings.

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

After recording a video

Camera Options menu

- ✎ After using the camera to record a video, press  to display the Camera Options menu screen (after recording a video).
- ✎ Press the appropriate key for the required option.

No.	Camera Options menu (after recording a video)	
1	Save	Saves the currently displayed video.
2	Send as MMS	Sends the file attached to an MMS message (see page 53).

IR Data Exchange

Your phone is equipped with an InfraRed (IR) data port which enables you to exchange phonebook, schedule, and ToDo entries with cellphones or other devices equipped with IR ports.

 **Do not aim or direct the IR data port towards your or other people's eyes when using IR data exchange.**

 **Do not aim or direct the IR data port towards another IR device as this may cause the device to malfunction.**

Positioning of the phones

 **Open both sending and receiving phones vertically and place them as their IR ports face each other with less than 20cm of interval.**

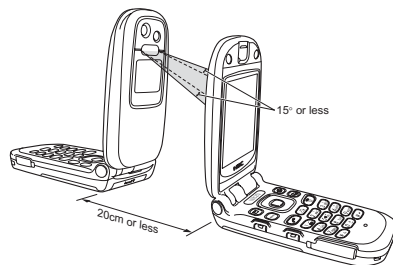
 Do not place anything between IR ports.

 The angle made of two IR ports must be within 30°.

 Do not move the phones until the data exchange is complete.

 The phones may not communicate successfully if they are placed under direct sunlight or fluorescent light, or close to other infrared devices.

 While sending or receiving data through IR, your phone is automatically placed out of service, so phone call, Email and Monternet access are disabled.



IR send

You can send a phonebook, schedule or ToDo entry as a file through the IR port.

 Before starting to send data, the other party must be ready to receive data.

Phonebook entry

You can only send the phonebook entry stored in the phonebook (Phone).

 With the standby screen displayed, press  required number of times to display the phonebook (Phone).

 You can also press **(MENU)** **8**, **9**, **1** and **3** to display the phonebook (Phone) screen.

 Use the **▲** and **▼** keys to highlight a phonebook entry and press **(MENU)** and **0**.

 You can also press **0**, **(MENU)** and **3** to proceed.

- ✦ Press **1** to send the phonebook entry to a device supporting the standard infrared data exchange function (including your model), or press **2** to send it to a device supporting the N8 format.

Schedule entry

- ✦ With the standby screen displayed, press **(MENU)** **8** and **3**.
- ✦ Use the **▲ ▼ ◀ ▶** keys to highlight a date and press **○** to display the schedule list.
- ✦ Use the **▲** and **▼** keys to highlight a schedule entry and press **○**.
- ✦ Press **(MENU)** and **9**.
- ✦ Press **1** to send the schedule entry to the device supporting the standard infrared data exchange function (including your model), or press **2** to send it to a device supporting the N8 format.

ToDo entry

- ✦ With the standby screen displayed, press **(MENU)** **8** and **4** to display the ToDo list screen.
- ✦ Use the **▲** and **▼** keys to highlight Public, Private or All, and press **○** (see page 76).
- ✦ Use the **▲** and **▼** keys to highlight a ToDo entry, and then press **(MENU)** and **7**.
- ✦ Press **1** to send the ToDo entry to a device supporting the standard infrared data exchange function (including your model), or press **2** to send it to a device supporting the N8 format.

IR receive

You can standby your phone to receive data (phonebook, schedule, or ToDo entries) from other devices, or a cellphone of the same model.

Receiving data through IR

- ✦ With the standby screen displayed, press **(MENU)** **8** and **8** to display the IR receive screen.
- ✦ Press **1** to receive data from the device supporting the standard infrared data exchange function (including your model), and press **2** to receive data from a device supporting the N8 format.
- ✦ Start sending data from the other end.
- 🔑 *For the procedures to send data using the IR port, see "IR send" on page 33.*
- 📖 *Once the transmission completes, your phone automatically judges the type of received data (phonebook, schedule or ToDo list entries).*
- ✦ Press **Softkey 1**.
- 📖 *If your phone does not have enough space to store the received data, a message will be displayed indicating lack of space. In such a case, delete unnecessary data and try the data exchange again.*

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 ▲ ▼ ◀ ▶ keys) and **(O)** (menu selection), or just the keypad (shortcuts selection).

The main menu icon numbers represent the following options:

1 Settings	2 My document	3 Message
4 Monternet@	5 GoTone	6 Customer service
7 Java™	8 Accessory	9 SIM toolkit

- ☛ The title of the selected option will be displayed in the Help area.
- ☛ SIM toolkit icon is displayed only when your SIM card supports this function.
- ☛ With the Main menu screen displayed, press **0** to display your 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.

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

Settings

Phone

Earpiece volume setting

To change the earpiece volume, use the following procedures.

- ☞ With the standby screen displayed, press **(MENU) 1, 1 and 1**.
- ☞ Use the **▲** and **▼** keys to adjust the settings as required, and then press **Softkey 1** to save the current setting.
- ☞ *You can also press the **Side** keys to display the volume adjust screen and to adjust the volume setting.*
- ☞ *During a call, you can press the **Side** keys to adjust the setting of the volume as required.*

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 **(MENU) 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 the ringer sound while receiving a call or message by pressing one of the **Side** keys.

- ☞ With the standby screen displayed, press **(MENU) 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 the ring silencer function by pressing the **Side** keys.*
- ☞ *See also: "Mute" on page 9.*

Fold answer

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

- ☞ With the standby screen displayed, press **(MENU) 1, 1, 2 and 3**.
- ☞ Press **1** to activate or **2** to deactivate the fold answer facility.

Activating Side keys

The **Side** keys will be enabled/disabled while your phone is closed.

- ☞ With the standby screen displayed, press **MENU** 1, 1 and 3.
- ☞ Press 1 to enable or 2 to disable the **Side** keys while your phone is closed.
- 📖 You can also enable or disable the **Side** keys by pressing and holding **MENU** on the standby screen.
- 📖 Even when the **Side** keys are 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, the line names 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: the local time or the remote time. These time settings can be displayed in 12 or 24 hour format on the standby screen. The local time is used for various functions, such as the clock alarm and the scheduler.

- ☞ With the standby screen displayed, press **MENU** 1, 1 and 5 to display the Clock screen before performing the following procedures.

Show clock

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

- ☞ With the Clock screen displayed, press 1 to display the Show clock screen.
- ☞ Press 1 to display local time only, or 2 to display both the local and remote times, or 3 to turn off the clock display.

Setting the Local time and Remote time

- ☞ With the Clock screen displayed, 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, and then press **Softkey 1**.

Setting the date

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

Setting date format

- ☞ With the Clock screen displayed, press **4** to display the Set date format screen.
- ☞ Press the appropriate key for the desired date format.

Setting time format

- ☞ With the Clock screen displayed, press **5** to display the Set time format screen.
- ☞ Press **1** to display time in 12 hour format, or **2** to display in 24 hour format.

Setting timezone

- ☞ With the Clock screen displayed, 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 daylight savings will be displayed at the bottom of the screen. Press  to activate/deactivate the setting (a ✓ in the check box means that 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  **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.*

LED settings

You can set the colour of LED illumination for incoming calls, incoming messages and during a call.

- ☞ With the Standby screen displayed, press  **1, 1 and 7**.
- ☞ Press **1** to set the LED colour for incoming calls, **2** for incoming messages and **3** for during a call.
- ☞ Use the ▲ and ▼ keys to select the desired colour and press .

Earphone type

You can set the sound output type to stereo or monaural, depending on your earphones (headset).

- ✎ With the Standby screen displayed, press **(MENU) 1, 1 and 8**.
- ✎ Press **1** to set the sound output type to stereo, or **2** to set it to monaural.

Phone modes

Your phone can be set to one of the following 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 on the standby screen.

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	Loud	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

	Normal mode	Meeting mode	Pocket mode	Car mode
Service tone	On	Off	On	On
Vibrator	On	On	On	Off
Auto answer	Always Off	Always Off	Always Off	On

 If the selected mode is Car, the backlight will always be turned 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.

 Use the **▲** and **▼** keys to highlight the required mode and press **Softkey 1** to display a phone mode edit screen before performing the following procedures.

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

Ringer

 With a phone mode edit screen displayed, press **1** to display the list screen that includes the currently set melody.

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

 See also: "Sounds" on page 50.

Ringer volume

 With a phone mode edit screen displayed, 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 with your phone open, 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

 With a phone mode edit screen displayed, press **3** to display the list screen that includes the currently set melody.

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

 See also: "Sounds" on page 50.

Msg tone volume

- ☛ With a phone mode edit screen displayed, 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

- ☛ With a phone mode edit screen displayed, press **5** to display the Key tone screen.
- ☛ Press **1** to activate or **2** to deactivate the key tone.

Service tone

- ☛ With a phone mode edit screen displayed, press **6** to display the Service tone screen.
- ☛ Press **1** to activate or **2** to deactivate the service tone.

Vibrator

- ☛ With a phone mode edit screen displayed, 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 headset.

- ☛ With the Car mode edit 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.*

Main-LCD

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

- ☛ With the standby screen displayed, press  **1** and **3** to display the Main-LCD screen before performing the following procedures.

Switch on Greetings

A type of greeting screen can be selected as follows:

- ☛ With the Main-LCD screen displayed, 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 edit the greeting text. Key in a greeting text and press .

 When you select Animation, see "Pictures" on page 48.

Wallpaper

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

-  With the Main-LCD screen displayed, 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 the wallpaper.
-  A  is displayed on the icon for which the item is currently selected.

 See also: "Pictures" on page 48.

Colour style

You can select from 8 different colour styles for your phone's display.

-  With the Main-LCD screen displayed, 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

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

-  With the standby screen displayed, press  **1** and **4** to display the 2nd-LCD screen before performing the following procedures.

2nd-LCD display

-  With the 2nd-LCD screen displayed, press **1** to display the Display screen.
-  Press **1** to activate or **2** to deactivate the 2nd-LCD display.

Wallpaper

You can choose one of the stored pictures to be displayed as the background of the 2nd-LCD display.

-  With the 2nd-LCD screen displayed, 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 the wallpaper.

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

 See also: "Pictures" on page 48.

Clock selection

You can choose the type of clock to be displayed on the 2nd-LCD display.

- ☞ With the 2nd-LCD screen displayed, press **3** to display the clock selection screen.
- ☞ Press **1**, **2**, **3** or **4** to select the clock of your choice, or press **5** to not display clock.

Event display

This option allows you to display the icons and symbols indicating the status of your phone (such as calling and incoming call display) on the 2nd-LCD.

- ☞ With the 2nd-LCD screen displayed, press **4** to display the event display setting screen.
- ☞ Press **1** to activate or **2** to deactivate the event display on 2nd-LCD.

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.

- ☞ With the 2nd-LCD screen displayed, press **5** to display the Incoming call No. screen.
- ☞ Press **1** to activate or **2** to deactivate the incoming call number display.

Direction

- ☞ With the 2nd-LCD screen displayed, press **6** to display the Display direction screen.
- ☞ Press the appropriate key for the desired direction of the 2nd-LCD.

Contrast

- ☞ With the 2nd-LCD screen displayed, press **7** to display the 2nd-LCD Contrast screen. A colour contrast gauge will be displayed on the 2nd-LCD.
- ☞ Checking the 2nd-LCD, use the **▲** or **Side up** key to increase or the **▼** or **Side down** key to decrease the contrast by one level until the screen is at desired contrast.
- ☞ Press **Softkey 1** to save the contrast changes.

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 brightness and key backlight.
 - Press **2** to set the Level 2 power save settings for LCD brightness and key backlight.
 - Press **3** to set the Level 3 power save settings (maximum power save setting) for LCD brightness and key backlight.

☞ If the selected mode is Car or the camera view finder screen is displayed, the backlight will always be turned on.

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

Calls

☞ With the standby screen displayed, press  **1** and **6** to display the Calls screen.

🔗 For settings provided on the Calls screen, see “Call settings” on page 11.

Security

The security settings (“Change PINs”, “PIN activate”, “Phone lock”, “Bar calls” and “FDN setting”) will help to protect your phone from improper and unauthorized use.

☞ With the standby screen displayed, press  **1** and **7** to display the Security screen before performing the following procedures. You may be required to enter one of the five codes (shown below). When the phone prompts you for one of these codes, key in the appropriate number.

- PIN code (provided by your network service provider to protect your SIM card if it is stolen)
- PIN2 code (provided by your network service provider for charge information and 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 that your PIN code must be entered at power up before the phone can be used at all. If the PIN code is not entered, not even incoming calls can be answered. Entering your PIN code incorrectly 3 times (not necessarily in the same session) will invalidate the correct PIN code. In such a case you will have to contact your service provider for a PUK code to 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 Security screen displayed, press **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, and then to enter it again for confirmation. A confirmation screen will be displayed momentarily and the Change PINs screen will be displayed.

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 Security screen displayed, press **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, and 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 Security screen displayed, press **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, and then to enter it again for confirmation.

PIN activate

- ☞ With the Security screen displayed, press **2** to display the PIN activate screen.
- ☞ Press **1** to activate or **2** to deactivate PIN codes. You may be prompted to enter the PIN code.

Phone lock

While the Phone lock is active, you are only allowed to make emergency calls and to enter the security code. When the Phone lock is active, the Phone lock will be released 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 Security screen displayed, press **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**.

Bar calls

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 Security screen displayed, press **4** to display the Bar calls screen 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 bar calls setting screen, and use the ▲ ▼ ◀ and ▶ keys to highlight the type of restriction (shown above) and the call type (Speech, Data, FAX or SMS), and then press **○**.
- ☞ Press **☎** to save changes on the bar calls setting screen. A prompt to enter the bar calls password will be displayed.
- ☞ 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, and then key in the new password.
- ☞ Key in the new password again for confirmation and press **Softkey 1**.

FDN setting

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 19.

- ☞ With the Security screen displayed, press **5** to display the Fixed dialling screen.
- ☞ Press **1** to enable or **2** to disable the FDN facility. You will be prompted to enter the PIN2 code.
- ☞ Key in the PIN2 code and press **Softkey 1** to save changes to the network.

Network

- ☞ With the standby screen displayed, press **(MENU) 1 and 8** to display the Network screen.

🔔 *For settings provided on the Network screen, see "Roaming" on page 13.*

Reset settings

This function will reset your phone to its factory settings.

 Your phonebook will be unaffected.

 With the standby screen displayed, press  **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 except the phonebook will be lost.***

My document

Using My document, you can playback sounds, or display pictures and videos downloaded from the Internet or captured with the camera function of your phone.

Pictures

In the following section, the Picture functions are described. The Picture function allows you to display images and animations, which were obtained with the camera function of your phone, received as a file attached to MMS messages, or downloaded from the Internet. The images can also be edited using this function. From the Picture function you can also attach images and animations to MMS messages you compose. The Picture function is activated by selecting Pictures on the My document screen.

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) 2 and 1.

Download

☞ With the Pictures folder top screen displayed, use the ▲ ▼ ◀ and ▶ keys to highlight Download, and then press ○. The list screen of downloaded pictures will be displayed.

Photo

☞ With the Pictures folder top screen displayed, use the ▲ ▼ ◀ and ▶ keys to highlight Photo, and then press ○. The list of pictures taken using the camera on your phone will be displayed. For details on the camera features, see "Camera" on page 28.

Preset

☞ With the Pictures folder top screen displayed, use the ▲ ▼ ◀ and ▶ keys to highlight Preset, and then press ○. The list of preset pictures in your phone will be displayed.

☞ When the flat view function is activated, the Pictures folder top screen is not displayed. The list of all the stored image file is displayed.

☞ When the Thumbnail view function is deactivated, use the ▲ and ▼ keys instead of the ◀ and ▶ keys.

☞ If you wish to move to another hierarchy folder while the Thumbnail view is turned off, press the ◀ and ▶ keys.

☞ You can return to My document screen by pressing **Softkey 2**.

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.

Videos

In the following section, how to playback video files (videos) stored in your phone is described. You can either record videos using your phone, download them from the Internet, receive them attached to MMS messages.

Displaying the Videos list screen

- ➡ With the standby screen displayed, press the ▼ key and 2 to display the Videos folder top screen before performing the following procedures.

📖 You can also access the Videos folder top screen by pressing (MENU) 2 and 2.

📖 When the flat view function is activated, the Videos folder top screen is not displayed. The list of all the stored video files is displayed.

My movie

- ➡ With the Videos folder top screen displayed, use the ▲ and ▼ keys to highlight My movie, and then press the ► or ○ key. The list of video files recorded using the camera on your phone will be displayed. For details on the camera function, see "Camera" on page 28.

Download

- ➡ With the Videos folder top screen displayed, use the ▲ and ▼ keys to highlight Download, and then press the ► or ○ key. The list of downloaded videos will be displayed.

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

📖 You can return to My document screen by pressing **Softkey 2**.

Replaying the video files

- ➡ Use the ▲ and ▼ keys to highlight a video file you wish to replay and press **Softkey 1**. The video file will be replayed.

📖 When a folder is highlighted, you cannot use **Softkey 1**.

Operations while replaying video

Pausing and restarting

- ➡ Press **Softkey 1**. While pausing, pressing **Softkey 1** again will restart and continue the replay.

Stopping and restarting

- ➡ Press **Softkey 2**. Pressing **Softkey 1** will replay the file again from the start.

Adjusting the volume

- ➡ Use the **Side** keys to adjust the volume.

Displaying the previous/next file

- ➡ Press the ▲ key to display the previous file, or press the ▼ key to display the next file.

Sounds

In the following section, procedures to playback and delete desired sound items are described.

Displaying the Sounds list screen

- ➡ With the standby screen displayed, press the ▼ key and 3 to display the Sounds folder top screen before performing the following procedures.

📖 You can also access the Sounds folder top screen by pressing **(MENU)** 2 and 3.

📖 When the flat view function is activated, the Sounds folder top screen is not displayed. The list of all the stored sounds files is displayed.

Download

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

Preset

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

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

📖 You can return to My document screen by pressing **Softkey 2**.

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**.

Operations while playing sound

Stopping and restarting

- ➡ Press **Softkey 2**. Pressing **Softkey 1** will replay the file again from the start.

Adjusting the volume

Use the **Side** keys to adjust the volume.

Replay the previous/next file

Press the **▲** key to replay the previous file, or press the **▼** key to replay the next file.

File selector Options menu

With the Pictures/Videos/Sounds list screen displayed, press **MENU**.

Use the **▲** and **▼** keys to highlight the required menu item and press **○**.

File Selector Options menu

No.	File Selector Options menu	
1	Edit item	Changes the protection settings of any selected file. For an image file, cuts, reduces, rotates and sets a frame to that image. Set protection: Changes the protection settings of the selected file. Cut: Cuts the selected image into Wallpaper size (W240*H320), 2nd-LCD size (W108*H80), or MMS size (W176*H144). When you select the size, a frame will be displayed on the selected image. Move the frame using the ▲ ▼ ◀ ▶ keys to the desired position, and then press ○ . Reduce: Reduces the selected image into Wallpaper size (W240*H320), 2nd-LCD size (W108*H80), or MMS size (W176*H144). Rotate: Rotates the selected image. Frame synthesis: Sets a frame to the selected image.
2	Use item (Pictures)	Uses the selected file by attaching to MMS or setting as wallpaper. Send as MMS: Attaches the selected file to MMS (see page 53). Set as wallpaper: Sets the selected image to be wallpaper.
2	Use item (Videos)	Uses the selected file by attaching to MMS. Send as MMS: Attaches the selected file to MMS (see page 53).
2	Use item (Sounds)	Uses the selected file by attaching to MMS or setting as the ringer tone or message tone. Send as MMS: Attaches the selected file to MMS (see page 53). Set as ringtone: Sets the selected sound to be the ringer tone. Set as message tone: Sets the selected sound to be the message tone.
3	Delete item	Deletes the selected image file and folder.
4	Delete all	Deletes all the image files in the current folder.

No.	File Selector Options menu (Continued)	
5	Rename item	Edits the file name of the selected image file.
6	Copy item	Copies the selected file to any folder.
7	Move item	Cuts the selected file and pastes it into any folder.
8	Move all	Cuts all the files in the current folder and pastes them into any folder.
9	Create folder	Creates a new folder under the current folder.
0	Storage detail	Displays the current storage information of your phone memory.
*	View detail	Displays the detail of the selected image file.
#	Options	Sorting order: Sorts the files by date, alphabetically, by Pinyin, or by Chinese Stroke. Info column: Sets whether to display the second column on the list screen, and the information to be shown there. None: No second column showing Size: Approximate size of the file Type: File type Thumbnail view: Displays the files as thumbnails. Flat view: Displays the list of all the stored image files regardless of the folder hierarchy. Sound titles: Displays the titles of sound files. Save options: Saves the current option settings. Reset options: Resets the option settings.

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

 Neither protected data, preset data nor data in sub-folders can be deleted or moved.

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 of 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 image, sound and video 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, a 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 is 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 LED will glow.

Your phone will automatically send a message to the service centre when your SIM memory for the message 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) 3** from the standby screen.
- Press the appropriate key for the required option.

No.	Message menu	
1	Inbox	The received messages are stored here.
2	Drafts	The messages currently being edited are stored here.
3	Outbox	The messages that failed to be sent are stored here.
4	Sent	The sent messages are stored here.
5	Recycled	The deleted messages are stored here. ➤ When the messages stored in the SIM card are deleted, they will not be saved in the Recycled but deleted permanently.
6, 7	Folder1/Folder2	The messages moved by Move msg (see "Message list Options menu" on page 57) are stored here.
8	CB	The received broadcast messages are saved. See "Cell broadcast" on page 62 for details.

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

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, and 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 the phone memory		SMS messages filtered by location (the phone memory)
	Highlighted message stored in the phone memory and located in the Recycled folder		Filtered SMS messages
Sorting status icons			Filtered MMS messages
Date	Messages sorted by Date	MMS priority icons	
Name	Messages sorted by Name		MMS message with high priority
Status	Messages sorted by Read/Unread status		MMS message with low priority
Size	Messages sorted by Size	Sent message 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.
		1 SMS centre Edits the SMS centre number (this number is saved in the SIM card).
		2 Auto display Turns on/off the automatic display function that displays the received SMS messages automatically.
		3 Receipt request Selects whether to request a receipt of the sent SMS messages.
		4 Max linked msg Sets the maximum number of linked SMS messages. This function divides an SMS with the message text exceeding the maximum number of characters allowed into multiple messages.
		5 Validity period Selects the period of time an SMS message is stored at the SMS centre, while trying to deliver the message.
2	MMS settings	Changes the settings for the MMS messaging function. ☞ Press 1 to display the Msg settings screen, or 2 to display the Web/MMS profiles screen (see page 64). ☞ With the Msg settings screen displayed, press the appropriate key for the required operation.
		1 Delivery report Selects whether to request a delivery report of the sent MMS message or not, and to automatically send a delivery status report for the received MMS message or not.
		2 Auto receive Selects whether to receive the MMS messages manually or automatically.
		3 Validity period Selects the period of time an MMS message is stored at the server while trying to deliver the message.
3	CB settings	Changes the settings for the Cell broadcast function (See "Cell broadcast" on page 62).
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 memory or both), or by status (complete, incomplete or both). MMS: Displays the MMS messages only. Both: Displays both SMS and MMS.

☞ **The receipt request, linking of SMS messages and delivery report facilities are network dependant.**

☞ 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 Recycled.
4	Delete all	Deletes all the messages in the current folder and moves them to Recycled.
5	Forward	Forwards the message text of the highlighted message.
6	Msgs/page	Selects either to display 4 or 8 messages in one screen.
7	Move msg	Moves the highlighted message to another folder, to the SIM card, or to the phone memory.
8	Sort msg	By: Sorts the messages by date, name, read/unread status or size. Order: Sorts the messages in ascending or descending order. Method: Sorts the messages in alphabetical, Pinyin, or Chinese stroke order.
9	Search	Searches messages by alphabets, Chinese stroke or Pinyin.
0	View details	Displays detailed information on the highlighted message.
–	Edit	Edits the highlighted message (Drafts and Outbox only).
–	Resend	Resends the messages in the folder (Outbox only). 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 (Recycled only).

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

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

Message view Options menu

☛ 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 Recycled.
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 document.
7	Move msg	Moves the highlighted message to another folder, to the SIM card, or to the phone memory.
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 Options menu will be displayed only if an object is highlighted.

☛ Press the ◀ and ▶ keys to highlight the phone number, Email address or URL in the message. Then, press **(MENU)** to select the following functions:

P: Phone number highlighted

E: Email address highlighted

U: URL highlighted

P	E	U	Message view Options menu	
1	1	–	Add to phonebook	Adds the highlighted phone number or Email address to a phonebook.
2	–	–	Dial phone no.	Dials the selected phone number.
3	–	–	Create SMS	Creates a new SMS message with the highlighted phone number in the To field.
4	2	–	Create MMS	Creates a new MMS message with the highlighted Email address in the To field.
–	–	1	Add to bookmark	Adds the highlighted URL to the bookmarks.
–	–	2	Launch browser	Activates the web browser to access the highlighted URL.

Creating a message

☛ With the standby screen displayed, press **Softkey 1** twice (or press and hold the **Softkey 1**) 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 scroll the phone numbers in the To field 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) while keying in the To/Message/Subject screen, 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 a draft message (see page 54).

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	Adds 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	Displays the phonebook list to insert a recipient phone number.
–	Resend list	Inserts a phone number from the redial list.
–	Insert	Inserts 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: Hides or clears the address.
–	Copy	Copies the highlighted object.
–	Move	Moves the highlighted object to a new position.
–	New slide	Inserts a new object.

No.	Message composer Options menu (Continued)	
–	Duration	Sets the duration for the current object.

 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	Selects the colour of text and background. - With the Message edit Options menu screen displayed, press 1. - Use the ▲ ▼ ◀ ▶ and OK keys to select the text and background colour, and then press OK. A ✓ will be displayed on the selected colour. Then, press Softkey 1.
2	Text format	Selects the font size (small, normal or large) and font style (bold, italics, underline or strikethrough). - With the Message edit Options menu screen displayed, press 2. - Press the appropriate key for the required option.
3	Text alignment	Sets the text alignment (left, centred or right). - With the Message edit Options menu screen displayed, press 3. - Press the appropriate key for the required option.
4	Paste	Pastes the text which has been copied onto the clipboard in the Highlight mode. With the Message edit Options menu screen displayed, press 4. The text on the clipboard will be pasted.  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.
5	Highlight mode	Activates the Highlight mode. - 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 ◀ ▶ keys to highlight the text, and then press OK. - Press (MENU) to display the Highlight mode Options menu screen and press the appropriate key for the required option (see "Highlight mode Options menu" on page 61).  Press Softkey 1 in the Highlight mode to toggle between on and off. Press CLR to back to the normal mode.

No.	Message edit Options menu (Continued)																
6	Insert object	Inserts the required object(s) into the message text. - With the message entry screen displayed, place the cursor where you wish to insert an object. - Press  and 6. Press the appropriate key for the required object type. - Press the appropriate number for the required object.  The “Insert object” option is displayed only in the message entry screen. You cannot use the grayed out function.  See also: “My document” on page 48.	<table><tr><th>Insert object options</th><th>Key</th></tr><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><tr><td>Videos</td><td>6</td></tr></table>	Insert object options	Key	Text	1	Sound	2	Pictures	3	Animation	4	Emoticon	5	Videos	6
			Insert object options	Key													
Text	1																
Sound	2																
Pictures	3																
Animation	4																
Emoticon	5																
Videos	6																
7	T9 language	Selects the language for T9 text input. - With the Message edit Options menu screen displayed, press 7. - Press the appropriate key for the required language.															
8	Edit settings	Sets the Write mode (Insert or Overwrite) and Clear mode (Backspace or Delete). - 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.
4	Cut	Cuts the highlighted part of text.
5	Delete	Deletes the highlighted part of text.
6	Select word	Selects (highlights) the nearest word to the current cursor position.
7	Select paragraph	Selects (highlights) the nearest paragraph to the current cursor position.
8	Select all	Selects (highlights) the entire text.
9	Save to text file	Saves the highlighted part of text as a text file.

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

Cell broadcast

Cell broadcast 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.

 You can also access the broadcast messages by pressing  **3** and **8**.

Broadcast settings

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

No.	CB settings	
1	Enable	Selects the filter setting. 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.
2	Languages	Selects which language to receive the cell broadcast messages in.

Monternet

To access WAP service, you would need to:

- 1 Apply for WAP service before accessing WAP. 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 the following different types of content:

- Sound files (including ringer melodies, video sound, etc.)
- Picture files
- Animation
- Video
- Java™ applications

 For the handling of the downloaded data, see "My document" on page 48.

 For details on downloading Java™ applications, see "Access to Java™ download site" on page 71.

 If you have not enough memory left on your phone for the downloaded file, a message will be output and you cannot download the file. Make sure you have enough memory space before downloading any file.

What are ringer melodies?

Ringer melodies are the melodies your phone 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 phone 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)** **4**, **5** and **1** to display the Web/MMS profiles list screen.
- ☞ Use the **▲** and **▼** keys to highlight the required connection name, and 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.

 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 (profile), use the following procedure.

- ☞ With the standby screen displayed, press **(MENU)** **4**, **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 menu.
- ☞ Press the appropriate key for the required operation.

No.	Profile options menu	
1	Add new	Creates a new profile.
2	Copy	Copies the current profile to use it as a template to create a new profile.
3	Edit	Edits the current profile.
4	Delete	Deletes the current profile.

Adding a new profile

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

No.	Profiles settings 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: Selects the type of connection for Web: GPRS or CSD. MMS: Selects the type of connection for MMS: GPRS or CSD.
7	GPRS settings	AP name: Sets the address of the external data network you want to connect to, either an IP address or a text string. User name: Sets your user ID to enable you to log on to the external data network. Password: Sets your password to enable you to log on to the external data network.
8	CSD settings	Connect type: Selects the connection line type: ISDN or Modem. Dial-up number: Key in the phone number to dial, to make a connection to your WAP and MMS service provider. Place a check in the Same as Web check box if your MMS provider is the same as your WAP provider. User name: Sets your user ID to log on to the external data network. Password: Sets your password to log on to the external data network.
9	MMS centre	Edits 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.

Setting the CSD linger time

The linger time facility will disconnect a connection that 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  **4, 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, Normal and Small.

-  The size of Chinese characters is fixed.
-  With the standby screen displayed, press  **4**, **5** and **3** to display the Web font screen.
-  Press the appropriate key for the required font.

Clear memory

If you start a WAP session using the last page visited, the information will be restored from the phone 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 memory by the following procedure:

-  With the standby screen displayed, press  **4**, **5** and **4**. Then, press **Softkey 1** to clear the memory.

Reset settings

-  With the standby screen displayed, press  **4**, **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 homepage 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  **4**, **1** and **1**. Key in the desired URL, and then press  twice.

Connect to the Home page of the default connection

-  With the standby screen displayed, press  **4**, **1** and **2** to access the homepage set for the currently selected profile.

Connect to the last web page visited

-  With the standby screen displayed, press  **4**, **1** and **3** to display the last web page you had visited.

 When you access the Internet with your phone for the first time or after you cleared 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** 4 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** 4 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.

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

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

 *Stored snapshot data can only be used for the snapshot function.*

Alert message

- ☛ With the standby screen displayed, press **MENU** 4 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.necdream.com.cn. 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.necdream.com.cn on your PC, or www.necdream.com.cn on your phone.

GPRS dial up

With GPRS dial up service, you can access the 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.

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

GoTone/Customer service

GoTone

From GoTone, you can access the various fun services provided by your network provider. Please consult your network service provider for details.

- ✎ With the standby screen displayed, press **Softkey 2** to display the GoTone screen.
- ✎ You can also access the GoTone screen by pressing  **5** from the standby screen.

Customer service

From Customer service, you can access the customer support centre. Please consult your network service provider for details.

- ✎ With the standby screen displayed, press  **6** to display the Customer service screen.

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

Java™ applications

How to run software

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

- ☛ With the standby screen displayed, press **(MENU)** and **7** to display the Java™ screen.
- ☛ Press **1** to display the Java™ applications list screen. Then, use the **▲** and **▼** keys to highlight an application containing the software you want to run, and press **►** or **○**. The software menu will be displayed.
- ☛ Use the **▲** and **▼** keys to highlight the software you want to run, and press **►** or **○**. The software will start.

Java™ applications Options Menu

- ☛ With the standby screen displayed, press **(MENU)** **7** and **1** to display the Java™ applications list screen, and then press **(MENU)** to display the Java™ application Options menu screen.
- ☛ Press the appropriate key for the required option.

No.	Java™ applications Options menu	
1	View info	Displays the information of the selected application.
2	Edit title	Edits the title of applications.
3	Delete current	Deletes the currently highlighted Java™ application.
4	Delete all	Deletes all the applications.  Before executing this option, you will be prompted to enter the security code.
5	Java™ storage info	Displays the Java™ applications currently stored in your phone.

Software list Options Menu

- ☞ With a Java™ application highlighted in the Java™ applications list screen, press ► or ○ to display the software list screen. Use the ▲ and ▼ keys to highlight a software and press **MENU**. The software list options menu screen will be displayed.

No.	Software list Options menu	
1	View info	Displays the information of the selected software.
2	Edit title	Edits the title of the selected software.
3	Network setting	Permits/prohibits the Java™ application software to connect to the network. • Press 1 to enable the software to connect to the network. • Press 2 to disable the software to connect to the network.  When the selected software is an off-line application, this option menu is disabled.

Backlight setting

You can set the backlight mode of your phone.

- ☞ With the Java™ screen displayed, press **2** to display the Backlight setting screen.
- ☞ Press **1** to set your phone to follow the normal backlight setting, or press **2** to let the backlight be controlled by the Java™ application.

Java™ storage info

You can see the Java™ applications currently stored in your phone.

- ☞ With the Java™ screen displayed, press **3** to display the Java™ storage info screen.

Java™ download setting

To change settings of Java™ download connections, use the following procedure.

- ☞ With the Java™ screen displayed, press **4** to display Connection setting screen.
- ☞ Press **1** to set the Web/MMS profiles, or press **2** to change the TCP/IP settings.

No.	Connection setting	
1	HTTP setting	Sets the Web/MMS profile. For details on the Web/MMS profile settings, see “Web settings” on page 64.

No.	Connection setting	
2	TCP/IP setting	Uses the preset TCP/IP profile or changes your profile setting. DNS server address: Sets DNS server address. GPRS settings: Sets the AP name you want, your user ID and your password to log on.  You cannot change the preset TCP/IP profile setting.

Access to Java™ download site

You can download desired Java™ applications from Java™ download sites.

-  With the Java™ screen displayed, press **5** to display the Java™ download screen.
-  Use the **▲** and **▼** keys to highlight the desired application and press **Softkey 1**.
-  Check the application details, and then press **Softkey 1** to start downloading.
-  After downloading a Java™ application, check that the downloaded program is displayed in the Java™ application list screen.
-  Up to 20 applications can be downloaded. If you wish to download a new application when there are already 20 downloaded applications in your phone, delete an application in advance.

Accessory

Calculator

You can perform addition, subtraction, multiplication and division with the calculator. 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	Operation	Key	Operation
▶	Addition (+)	◀	Subtraction (−)
▲	Multiplication (×)	▼	Division (÷)
○	Inversion	Softkey 2	Memory Addition (2 nd)/Memory Store
Softkey 1	Memory Recall (2 nd)/Memory Cancel	⌂	Percent (%)
(MENU)	Square Root (√)	⌚	Exit calculator
↵	Equals to (=)	CLR	Delete digit (if held, all clear)
*	Sign inversion (±)	#	Decimal Point (.)

Activating the Calculator

☞ With the standby screen displayed, press (MENU) 8 and 1 to display the Calculator screen before performing the following procedures.

Calculation

Calculating

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

☞ With the Calculator screen displayed, 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 $5 \times (25 - 5)$:

☞ With the Calculator screen displayed, 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.

Clock alarm

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

Turning the alarm on

☞ With the standby screen displayed, press  **8** and **2** to display the Set alarm screen.

☞ Use the   keys to highlight On and press .

☞ Use the  and  keys to highlight the time field and key in the time.

☞ Use the  and  keys to highlight the alarm tone field and press  to display the sounds folders. Highlight a tone for the alarm and press .

🔗 See also: "Sounds" on page 50.

☞ Highlight the repeat setting field and press  to display the repeat settings. Highlight the required repeat setting and press , and then press **Softkey 1** to save the setting.

- If you select Day of the week, highlight and press  to place checks for the required days before pressing **Softkey 1** to save the setting.

📖 You can select more than one day of the week at the same time.

📖 You can remove the check by highlighting and pressing  again.

- ☞ Use the ▲ and ▼ keys to highlight the alarm text field, press , key in the message (e.g. Wake up!) and then press .
 - ☞ When all settings are done, press **Softkey 1** to save the changes and turn the clock alarm on.
-  *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 turned on.*

Turning the alarm off

- ☞ With the standby screen displayed, press  **8** and **2** to display the Set alarm screen.
- ☞ Use the ◀▶ keys to highlight Off and press .
- ☞ Press **Softkey 1** to save the changes and turn the clock alarm off.

Scheduler

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

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

Adding a new event

- ☞ With the weekly or monthly view screen displayed, use the ▲ ▼ ◀ and ▶ keys to highlight the day to add the new event to.
 - ☞ Press  to display the day's schedule list screen (if any).
 - ☞ Press **Softkey 1** to display the Add new screen.
 - ☞ Use the ▲ and ▼ keys to highlight the date and time field, press , key in the day, month, year and time of the event, and then press **Softkey 1**.
 -  *Only the 24 hour format can be used for time entry for a scheduled event.*
 - ☞ Use the ▲ and ▼ keys to highlight the description field, press , key in the description text, and press , key again.
 - ☞ Use the ▲ and ▼ keys to highlight the repeat field, and use the ◀▶ keys to toggle the repeat settings.
 - ☞ If you need a reminder, use the ▲ and ▼ keys to highlight the reminder check box and press  to place a check.
 - ☞ If you set a reminder, use the ▲ and ▼ keys to highlight the reminder tone field and press  to display the sound folders. Select a ringer and press .
 - ☞ If the event is private, use the ▲ and ▼ keys to highlight the private check box and press  to place a check.
 - ☞ When all the required settings are done, press **Softkey 1** to save the event.
-  *If you do not perform the above operation, changed settings will be lost.*

Viewing the scheduled events

- ☞ With the weekly or monthly view screen displayed, use the ▲ ▼ ◀ and ▶ keys to highlight a day.
-  *You can press **Softkey 1** to display the previous monthly/weekly view screen, or **Softkey 2** to display the next monthly/weekly view screen.*

- Press **O** to display the day's schedule list screen.
To display the detail screen of the highlighted schedule, press **O**.
To display the previous/next day's schedule list screen, press **◀** or **▶**.

Scheduler's Options menu

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

No.	Scheduler's Options menu	
1	Add new	Adds a new entry.
2	Edit	Edits the highlighted event.
3	Copy	Copies the highlighted event.
4	Delete	Deletes event(s). - Press 1 to delete the highlighted event. - Press 2 and 1 to delete the public events on the day, 2 and 2 to delete all the past public events, or 2 and 3 to delete all the public events. - Press 3 and 1 to delete the private events on the day, 3 and 2 to delete all the past private events, or 3 and 3 to delete all the private events. - Press 4 to delete all the events.
5	Go to date	Displays the selected date.
6	Monthly calendar/ Weekly calendar	Switches the weekly view screen to the monthly view screen, or the monthly view screen to the weekly view screen.
7	Summary	Displays a summary of all the events.
8	View events	Displays the events for each view type. - Press 1 to display the public events only. - Press 2 and then key in the security code to display the private events only. - Press 3 and then key in the security code to display all the events.  You can view the private events by pressing 2 or 3.
9	IR send	Sends the selected schedule through the IR port to other devices or a cellphone. - Press 1 to send data to a device supporting the standard infrared data exchange. - Press 2 to send data to a device supporting the N8 format.

 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 256 characters) and its start/due date.

- ✎ With the standby screen displayed, press  8 and 4, use the ▲ and ▼ keys to highlight the list, and then press  to display the required ToDo list screen before performing the following procedures.

Adding a new ToDo task

- ✎ With a ToDo task list screen displayed, press **Softkey 1**. The Add new screen will be displayed.
- ✎ Use the ▲ and ▼ keys to highlight the start date field, press , key in the day, month and year of the date to start the ToDo task, and then press **Softkey 1**.
- ✎ Use the ▲ and ▼ keys to highlight the due date field, press , and press the appropriate key for the date to end the task.
-  If you select to choose the date yourself, input the day, month and year of the date to end the ToDo task, and then press **Softkey 1**.
- ✎ Use the ▲ and ▼ keys to highlight the description field, press , key in the description text (e.g. Pay the rent) and then press  again.
- ✎ Use the ▲ and ▼ keys to highlight the category field, and use the ◀▶ keys to toggle the category settings.
- ✎ Use the ▲ and ▼ keys to highlight the priority field, and use the ◀▶ keys to toggle the priority settings.
- ✎ If the ToDo task is private, highlight the private check box and press  to place a check.
- ✎ When all the required settings are done, press **Softkey 1** to save the ToDo task.

When a ToDo task is completed

- ✎ With a ToDo task list screen displayed, use the ▲ and ▼ keys to highlight the task.
- ✎ Press . A detailed information screen will be displayed.
- ✎ Press **Softkey 2**. The task will be saved as completed.
-  You can also save the ToDo task as completed by pressing  1 and 1 on the detailed information screen.

Viewing ToDo task details

- ✎ Use the ▲ and ▼ keys to highlight the required ToDo task and press  to display the detailed information screen. The selected ToDo task's start date, due date, description, category, priority, completion status and public/private view setting will be displayed.
- ✎ Use the ◀▶ keys to view the details of the previous or next ToDo task in the list.
- ✎ Press **Softkey 1** to edit the currently displayed task.

ToDo Options menu

Use the ▲ and ▼ keys to highlight the required ToDo task.

Press (MENU) to display the ToDo Options menu, or use the ▲ and ▼ keys to highlight a ToDo entry, press ○ to display the detailed information screen, and then press (MENU) to display the ToDo detail Options menu.

Key in the appropriate key for the required option. Column L shows the ToDo options menu, and column D shows the ToDo detail Options menu.

L	D	ToDo Options menu	
1	4	Add new	Adds a ToDo task based on the highlighted ToDo task (see “Adding a new ToDo task” on page 76, from the second step).
–	1	Status	Changes the completion status of the highlighted ToDo task.
2	2	Edit	Edits the highlighted ToDo task (see “Adding a new ToDo task” on page 76, from the second step).
3	–	Delete	Deletes ToDo task(s). • Press 1 to delete the ToDo task currently selected. • Press 2 and 1 to delete all the ToDo task in the public category, or 2 and 2 to delete all the completed ToDo task in the public category. • Press 3 and 1 to delete the ToDo task in the private category, or 3 and 2 to delete all the completed ToDo tasks in the private category. • Press 4 to delete all the ToDo tasks.
–	3	Delete current	Deletes the highlighted ToDo task.
4	–	Display filter	Sets the type(s) of ToDo tasks to be displayed by selecting the desired filter option.
5	–	Sort list	Displays a list of ToDo tasks rearranged according to the selected sort key.
6	–	View summary	Displays the number of unfinished and finished tasks and how many more tasks can be created.
7	5	IR send	Sends the selected schedule through IR port to other devices or a cellphone. • Press 1 to send data to a device supporting the standard infrared data exchange. • Press 2 to send data to a device supporting the N8 format.

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

Notepad

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

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

Creating a new memo

- With the Notepad screen displayed, press **1** to display the Add new screen. Use the text entry procedures (see page 15) to key in text, and then press **O**.
The entry will be saved as a text file and the first few words are displayed on the text list screen.

Notepad Options menu

- With the Notepad screen displayed, press **2** to display the text list screen.
- Use the **▲** and **▼** keys to highlight the a text (note), and then press **(MENU)**.
- Press the appropriate key for the required option.

No.	Notepad Options menu	
1	Edit item	Changes the protection settings of the selected file. Set protection: Changes the protection settings of the selected file.
2	Use item	Attaches a file to SMS/MMS. Send as SMS: Attaches the selected file to SMS. Send as MMS: Attaches the selected file to MMS.
3	Delete item	Deletes the selected file or folder if it is unprotected.
4	Delete all	Deletes all the notes unprotected from the list.
5	Rename item	Edits the file name of the selected note.
6	Copy item	Copies the selected note.
7	Move item	Cuts and pastes the selected note.
8	Move all	Cuts and pastes all the notes in the current folder.
9	Create folder	Creates a new folder under the current folder.
0	Storage detail	Displays the current storage information of your phone memory.
*	View detail	Displays the detail of the selected file.

No.	Notepad Options menu (Continued)		
#	Options	Sorting order: Sorts the files alphabetically, by Pinyin, or by Chinese Stroke. Info column: Sets whether to display the second column on the list screen, and the information to be shown there. None: No second column showing File size: Approximate size of the file File type: File type Flat view: Displays the list of all the stored files regardless of the folder hierarchy. Save options: Saves the current option settings. Reset options: Resets the option settings.	

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

Voice memo

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 50.

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

-  With the Currency screen displayed, use the **▲** and **▼** keys to highlight the source currency code.
To change the source currency, press **○** to display the currency list, and then use the **▲** and **▼** keys to highlight the required currency and press **○**.
-  You can also change the source currency by using the **◀** and **▶** keys to scroll through the currency codes.
-  Use the **▲** and **▼** keys to highlight the destination currency code.

To change the destination currency code, press **O** to display the currency list, and then use the **▲** and **▼** keys to highlight the required currency and press **O**.

You can also change the destination currency by using the **◀** and **▶** keys to scroll through the currency codes.

Use the **▲** and **▼** keys to highlight the exchange rate, and then press **O**.

If you wish to change the exchange rate, press **CLR** to delete the displayed exchange rate and key in the required number (for decimal point, press **Softkey 1**), and then press **O**.

If you wish to clear the rate in order to re-enter it completely, press **Softkey 2**.

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

Key in the amount of money you wish to convert (for decimal point, press **Softkey 1**) and press **O**.

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 screen, and then start again.

Enter the new amount and press **O** to convert another amount with the same settings.

Reset the currencies to start again with different settings.

Resetting the currencies

With the Currency screen displayed, press **Softkey 2** to reset the screen.

IR receive

IR receive function enables you to receive data (Phonebook, Scheduler or To Do List) from other devices.

Receiving data through IR port

With the standby screen displayed, press **(MENU)** **8** and **8** to display the IR receive screen.

Press **1** if receiving data from a device supporting the standard infrared data exchange function, and press **2** if from a device supporting the N8 format.

After the data has been received, press **Softkey 1**.

For details, see "IR Data Exchange" on page 33.

Phonebook

Phonebook function enables you to record telephone numbers, Email addresses etc. to the directories stored on your SIM card or in your phone memory.

With the standby screen displayed, press **(MENU)** **8** and **9** to display the Phonebook screen.

For details, see "Phonebook" on page 18.

Camera

Camera function enables you to take pictures and record videos, and to save them as files.

- ☞ With the standby screen displayed, press  **8** and **0** to display the Camera screen.
 - ☞ Press **1** to take a picture, or press **2** to record a video. The camera view finder screen displayed.
 - ☞ Look into the camera view finder screen to place the target, and then press  or the **Side up** key to take a picture or start recording, or press  to display the Camera Options menu screen to set up the camera function before taking a picture/recording a video.
- 🔗 *About the operations for taking a picture/recording a video, or camera setting options, see "Camera" on page 28.*

Abbreviations

3GPP	3rd Generation Partnership Project
ADN	Abbreviated Dialling Numbers
ALS	Alternate Line Service
AoC	Advice of Charge
CB	Cell Broadcast
CLI	Calling Line Identification
FDN	Fixed Dialling Numbers
GPRS	General Packet Radio Service
GSM	Global System for Mobile communications
IR	InfraRed
JPEG	Joint Photographic Expert Group
LCD	Liquid Crystal Display
LED	Light Emitting Diode
MMS	Multimedia Message Service
PDP context	Packet Data Protocol context
PIN	Personal Identification Number
PIM	Personal Information Manager
PUK	Personal Unlocking Key
SDN	Service Dialling Numbers
SIM	Subscriber Identity Module
SMS	Short Message Service
STD	Subscriber Trunk Dialling
WTLS	Wireless Transport Layer Security protocol

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