

User's Guide



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Quick and Easy

Congratulations for choosing this Nokia phone! These pages provide some basic tips on using your phone. For more detailed information, read through the User's Guide.

Making your first call

- 1 With the phone battery removed, insert your SIM card. Install and charge the battery. See Chapter 'Getting Started' for details.
- 2 Switch on your phone by pressing and holding . Wait until the operator name appears on the display.
- 3 Key in the area code and phone number and press .
- 4 End the call by pressing .

Call Functions

Answering a call

Press .

Ending a call

Press .

Redial

When the display is clear, press  to access the last dialled numbers. Press  to dial the desired number.

Adjusting the Earpiece Volume

Press the volume keys on the side of the phone.

Phone Book Functions

Quick Save

Key in the phone number and press **Save**. Key in the name and press **OK**.

Quick Find

When the display is clear, press , (key in the first letter of the name), scroll with  or  to the desired name.

Using Phone Book during a Call To access *Phone Book* during a call, press **Options**, select **Names**.

Speed Dialling Press a number key (1 QD) - (9 wxyz), press . If the *Speed Dialling* function in Menu 4-3-3 is activated, press and hold the corresponding number key (2 abc) - (9 wxyz) until the call is started.

Calling your voicemailbox Press and hold (1 QD). If the phone requests for your voice mailbox number, key it in and press **OK**.

Essential Shortcuts

Locking the Keypad

Unlocking the Keypad

Press **Menu** then  (within 3 seconds) / Press **Unlock**, then .

Changing Ringing Tone

Press **Menu**, choose *Profiles*, press **Select**, choose the desired profile, press **Options**, choose *Personalise*, press **OK**. To change the ringing tone, choose *Ringing tone*, press **Select**, choose the desired setting, press **OK**.

Writing & Sending a Message

Press **Menu** (1 QD), (3 del), Key in a message, (press (# > to change between upper and lower case characters, press and hold (# > for numbers, press  for special characters), press **Options**, choose *Send*, press **OK**, enter the phone number, press **OK**.

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For Your Safety



Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this manual.



ROAD SAFETY COMES FIRST

Don't use a hand-held phone while driving; park the vehicle first.



INTERFERENCE

All wireless phones may get interference which could affect performance.



SWITCH OFF IN HOSPITALS

Follow any regulations or rules. Switch phone off near medical equipment.



SWITCH OFF IN AIRCRAFT

Wireless phones can cause interference. Using them on aircraft is illegal.



SWITCH OFF WHEN REFUELING

Don't use phone at a refuelling point. Don't use near fuel or chemicals.



SWITCH OFF NEAR BLASTING

Don't use phone where blasting is in progress. Observe restrictions, and follow any regulations or rules.



USE SENSIBLY

Use only in normal position (to ear). Don't touch the antenna unnecessarily.



USE QUALIFIED SERVICE

Only qualified service personnel must install or repair equipment.



ACCESSORIES AND BATTERIES

Use only approved accessories and batteries. Do not connect incompatible products.



CONNECTING TO OTHER DEVICES

When connecting to any other device, read its user's guide for detailed safety instructions. Do not connect incompatible products. Remember to make backup copies of all important data.



MAKING CALLS

Ensure the phone is switched on and in service. Enter the phone number, including the area code, then press . To end a call press . To answer a call press .



EMERGENCY CALLS

Ensure the phone is switched on and in service. If the word "Clear" appears on the display above the  key, press and hold Clear to clear the display. Enter the emergency number, then press . Give your location. Do not end the call until told to do so.



INFRARED PRECAUTIONS

Do not point the IR beam at anyone's eyes or allow it to interfere with other IR devices.

Using This Guide

The wireless phone described in this guide is a dual band phone approved for use on the GSM900 and GSM1800 networks and on the GSM900/1800 dual band network.

A number of features included in this guide are called network services. They are special services provided by wireless service providers. Before you can take advantage of any of these network services, you must subscribe to these service(s) from your home service provider and obtain instructions for their use.

About Labels and Security Code



IMPORTANT! Your phone has labels on it. These are important for service and related purposes, so be careful not to lose the label or the information it contains.



IMPORTANT! The security code 12345 is supplied with your phone. Change the code in Menu 4-5-6, 'Change Access Codes'. Keep the new code secret and in a safe place which is separate from the phone.

Accessories

The following manufacturer-approved rechargeable batteries are available for your phone: NiMH batteries BMS-2V, BMS-2S and BMS-2, and Li-Ion batteries BLS-2, BLS-2H, BLS-4 and BLS-5.

This apparatus is intended for use when supplied with power from ACP-7, ACP-9, LCH-9 and DCH-9. Other usage will invalidate any approval given to this apparatus and may be dangerous.

Belt Clip

Use only the belt clip BCH-16.



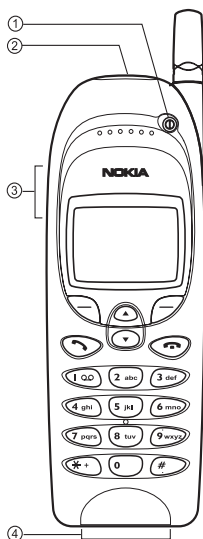
WARNING! Use only batteries, chargers and accessories approved by the phone manufacturer for use with this particular phone model. The use of any other types will invalidate any approval or warranty applying to the phone, and may be dangerous.

For availability of approved accessories, please check with your dealer.

When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.

1. Your Phone

The phone is equipped with the keys given below. Throughout this guide, all key presses are represented by icons such as  and .



1. Power key

2. Infrared (IR) port

3. Volume keys

4. Connectors for external devices



Power key

Switches the phone on or off.

Pressing this key briefly while the display is clear or during a call will result in the list of profiles being displayed.

Pressing the power key briefly while in the Phone Book or menu functions will turn the phone's display light on for 15 seconds.



Selection keys

Each of these keys performs the function indicated by the text shown on the display immediately above it.



Scroll keys

Use these keys to scroll through names, phone numbers, menus or setting options.



Dials a phone number and answers a call. When the display is clear: shows the most recently dialled number.



Ends or rejects a call. Also exits from any function at any time.



Enter numbers and characters.  calls your voice mailbox when pressed and held.



Used for various purposes in different functions.

Volume keys

The upper key increases and the lower key decreases the earpiece volume.

The Display Indicators

Display indicators and icons inform you about the operation of the phone. Indicators and icons related to the different phone functions are explained later in this User's Guide.

Clear Display

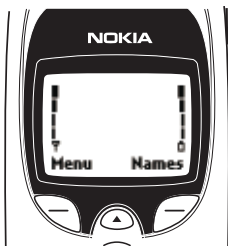
The indicators described below are shown when the phone is ready for use, and no characters have been entered by the user. This screen is also called idle mode. The name of the current cellular network operator will be shown on the display.

 and bar Shows the signal strength of the cellular network at your current location. The higher the bar, the stronger the signal.

 and bar Shows the battery charge level. The higher the bar, the more power there is in the battery.

The Selection Keys

Below the display you can find two so-called selection keys. Their functions depend on the guide texts shown on the display above the keys.



For example, when there is the word 'Menu' above the  key, pressing this key enters the menu functions.

Similarly, pressing the  key under the word 'Names' allows access to the Phone Book functions.

In this User Guide, the selection keys are indicated by the relevant guiding text appearing in bold (e.g. **Menu** or **Names**).

Protection Cap of the Antenna Connector

At the back of the phone below the antenna there is a connector for an external antenna.

The connector is protected by a rubber cap. To attach an external antenna to the phone, first remove the cap and then connect the antenna.

After removing the external antenna, remember to replace the cap.



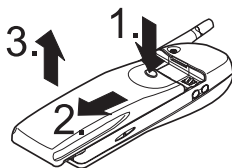
NOTE: Keep the cap out of small children's reach.

2. Getting Started

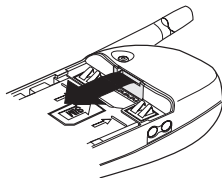
Installing the SIM card

- Keep all miniature SIM cards out of the reach of small children.
- The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.
- Before installing the SIM card, always make sure that the phone is switched off and then remove the battery.

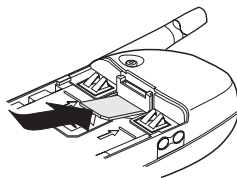
- 1 With the back of the phone facing you, press the locking catch of the battery downwards(1.), and lift the battery off the phone (2.).



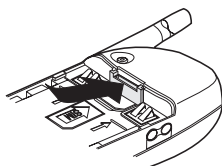
- 2 Release the SIM card holder by drawing it in the direction of the arrow.



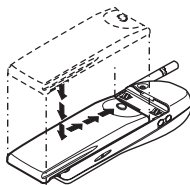
- 3 Insert the SIM card ensuring that the bevelled corner is on the right side and that the golden connectors are downwards. Follow the directions on the phone.



- 4 Slide the SIM card holder back to keep the card in its place.

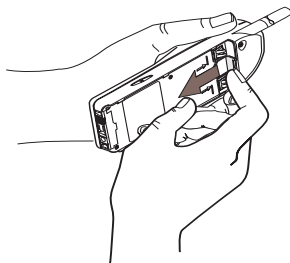


- 5 Place the battery onto the back of the phone as shown below. Slide the battery up the body of the phone until the catch engages (a click is heard).



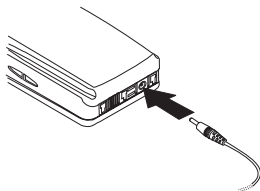
Removing the SIM Card

Lift the battery off the phone as described on page 14. Keep the phone on its side and release the SIM card holder. Then remove the SIM card.



Charging the Battery

- 1 Connect the lead from the charger to the bottom of the phone.



- 2 Connect the charger to an AC wall outlet. The battery indicator bar will start to scroll.



The text **Charging** is briefly displayed if the phone is switched on. You can use the phone while charging it is charging.



NOTE: If the battery is totally flat, it may take a few minutes before the charging indication appears on the display or any calls can be made.

The charging time depends on the charger and battery used. For example, charging a BLS-2 battery takes about 4 hours.

- 3 The battery is fully charged when the battery indicator bar stops scrolling, and the text **Battery full** is briefly displayed (if the phone is on). Charging time depends on the charger and battery used.
- 4 Disconnect the charger from the AC outlet and the phone.

If the text **Not charging** is displayed, charging has been suspended. Wait for a while, disconnect the charger, plug it in again and retry. If charging still fails, contact your dealer.

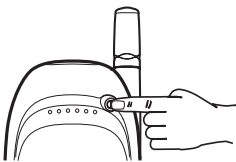
For more information, see chapter 'Reference Information' - 'Battery Information'.

Switching the Phone On and Off

Press and hold the **Ⓢ** key for a second.

If the phone asks for a PIN code:

The PIN code is usually supplied with the SIM card.



- Key in the PIN code, which is displayed as asterisks, and press **OK**.
See also 'Reference Information - Access Codes'.

If the phone asks for a security code:

- Key in the security code, which is displayed as asterisks, and press **OK**.

See also 'Reference Information - Access Codes'.



WARNING! Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

TIPS ON EFFICIENT OPERATION: As with any other radio transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

3. Call Functions

Making and Answering Calls

Making Calls

- 1 Key in the phone number including the area code.

To edit a number on the display, press  to move the cursor to the right and  to move it to the left. Press **Clear** to delete the character to the left of the cursor.

- 2 Press  to call the number.
- 3 Press  to end the call (or to cancel the call attempt).

Normal position: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.



NOTE: If you accidentally select phone line 2 and your SIM card does not support this function, you cannot make any calls. You can get back to phone line 1 by pressing and holding  when the display is clear.



NOTE: When you are using the phone with the car kit CARK-91, you can switch from handsfree mode to privacy mode by picking up the external handset HSU-1. To switch back to handsfree, first press **Options** and then put down the handset within 15 seconds.

International Calls

- 1 Press  twice for the international prefix (+ character replaces the international access code).
- 2 Enter the country code, area code and phone number.
- 3 To call the number, press .

Making a Call Using the Phone Book

- 1 Press **Names**.
- 2 When Search is highlighted press **Select**.
- 3 Key in the first letter of the name and press **OK**.

You can skip this step if you wish.

- 4 Use  and  to reach the desired name.
- 5 Press .

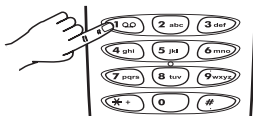
Last Number Redial

The last ten phone numbers you called or attempted to call are stored in the phone's memory. To redial one of these last-dialled numbers:

- 1 With display clear, press  once to access the list of the last-dialled numbers.
- 2 Use  or  to reach the desired number or name.

Calling Your Voice Mailbox

- 1 Press and hold  when the display is clear.



- 2 If the phone asks for the voice mailbox number, key it in and press **OK**. You obtain this number from your service provider. To edit this number at a later time, see 'Voice mailbox number (Menu 1-8-2)'.

Speed Dialling a Phone Number

If you have assigned a phone number to one of the speed dialling keys ( to ) , you can call that phone number in either of the following ways:

- Press the corresponding speed dialling key and press .

- If the Speed Dialling function is set to on (see Menu 4-3-3): Press and hold the corresponding speed dialling key ( to ) until the call is started. **Note:** Pressing and holding  dials your voice mailbox number.

Answering a Call

- 1 To answer the call, press .
- 2 Press  to end the call.



TIP: To reject an incoming call, press . If the 'Divert when busy' function is activated to divert the calls, for example to your voice mailbox, rejecting an incoming call will also divert the call. See chapter 10 - 'Call Divert (Menu 5)'.



NOTE: If more than one name is found in the Phone Book with the same last seven digits as the caller's phone number, only the caller's phone number will be displayed, if this is available.

Call Waiting

This network service allows you to answer an incoming call while you have a call in progress if you have activated the menu function Call Waiting Options (Menu 4-3-4).

- 1 Press **Answer** or . The first call is put on hold. To reject the new call, press **Options**, choose **Reject**.
- 2 To switch between the two calls, press **Swap** or .
- 3 To end the active call, press .

In-Call Options

Your phone provides a number of control functions that you can use during a call. You cannot utilise all of these functions at all times. Many of the In-Call options are network services. By pressing **Options** during a call the following In-Call options may be available:

Hold or Unhold	to hold or release a call
New Call	to make a call when you have a call in progress
Send DTMF	to send DTMF tones
End all calls	to end all calls
Names	to access the Phone Book
Menu	to access menu functions
Mute	to mute the phone's microphone
Transfer	to connect a call on hold with an active call and to disconnect you from both calls

Making a Conference Call

This feature allows up to six persons to take part in a conference call (network service).

- 1 While in a call, press **Select** and choose **New Call**. The first call is put on hold.
- 2 To join the first conference participant into the call, press **Options**, choose **Conference** and press **Select**.
- 3 To add a new participant to the call, repeat steps 1 and 2.
- 4 To drop a single participant from the call, press **Options**, choose **Private** and press **Select**. Select the participant that you want to drop and press **OK**. Then press .
- 5 To end the conference call, press .

Adjusting the Earpiece Volume

You can adjust the volume of the phone's earpiece (this can also be done during a call). Use the keys on the side of the phone. The upper key increases the volume and the lower key decreases the volume.

Keypad Lock (Keyguard)

This feature locks the keypad to prevent keys being pressed by accident (for example when your phone is in your pocket or in your purse).

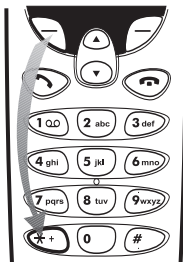
To lock the keypad:

While the display is clear, press **Menu** and then  within three seconds.

When the keypad is locked,  appears at the top of the display.

To unlock the keypad:

Press **Unlock** and then  within two seconds.



When the keyguard is on:

To answer a call, press . To end or reject a call, press . During a call, the phone can be operated in the normal way.



NOTE: When Keyguard is on, calls may be possible to the emergency number programmed into your phone (e.g. 112 or other official emergency number).

Key in the emergency number and press . The number is displayed only after you have keyed in its' last digit.

4. Phone Book

About the Phone Book (Names)

You can store phone numbers and their associated names in the memory of the phone (internal Phone Book) or the SIM card (SIM Phone Book). The internal Phone Book can store 150 names (each of which can have up to 20 characters) and phone numbers (each of which can have up to 30 digits) at a time. The phone supports SIM cards which can store up to 250 names and phone numbers.

In addition to storing names and phone numbers, Phone Book also offers a wide range of functions for managing them.

Entering the Phone Book

- 1 While the display is clear: Press **Names** or press  or .
- During a call: Press **Options**, scroll with  or  to **Names**, and press **Select**.

Selecting the Phone Book (Memory in Use)

- 1 While the display is clear, press **Names**.
- 2 Scroll with  or  to **Options** and press **Select**.
- 3 Scroll to **Memory in use** and press **Select**.
- 4 Scroll to **SIM card** or **Phone** and press **Select**.



NOTE: After the SIM card is changed, the SIM Phone Book is automatically selected.

Setting the Type of View for Stored Names and Phone Numbers

The phone can show the stored phone numbers and names in three different ways, called 'Types of view'. You can select:

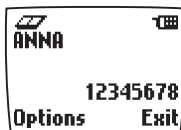
Name list

shows three names at a time:



Name, number

shows a single name and phone number together:



Large font

shows just one name at a time:



To Set the 'Type of View'

- 1 While the display is clear, press **Names**.
- 2 Scroll with  or  to **Options** and press **Select**.
- 3 Scroll with  or  to **Type of view** and press **Select**.
- 4 Scroll with  or  to **Name List** or **Name, Number** or **Large font** and press **OK** to select the option.

Storing a Phone Number with a Name (Add Entry)

You can store phone numbers and their associated names in the internal or the SIM Phone Book.

- 1 With the display clear, press **Names**.
- 2 Scroll with  or  to **Add entry** and press **Select**.

- 3 Key in a name and press **OK**. The characters available are listed below..

	. , ? ! - & 1
	A B C 2 Ä Å Æ Æ Ç
	D E F 3 È É Ê Ë
	G H I 4 Î Ï Ì Í Î Ï
	J K L 5 É
	M N O 6 Ö Õ Ò Ó Ô Õ Ñ
	P Q R S 7 \$ %
	T U V 8 Ü Û Ü Ú
	W X Y Z 9
	space, 0
	special characters, e.g. + and %
	upper or lower case

- If the next letter is located on the same key as the present one, press or (or wait until the cursor appears again) and then key in the letter.
- To switch between upper case and lower case, press quickly. The symbol **ABC** or **abc** shown at the top of the display indicates the selected case.
- To insert a number, press and hold the key labelled with the desired number. To switch between letters and numbers, press and hold .
- To insert a space, press .
- Pressing brings up a list of special characters. Move through the list to the desired character with or and press **Use** to insert it in the name.
- If the character list continues on to another screen, you can scroll between the screens by pressing .

- If you make a mistake, you can remove characters to the left of the cursor by pressing **Clear** as many times as necessary. Pressing and holding **Clear** will clear the screen.
 -  and  move the cursor left and right, respectively.
- 4 Key in an area code and phone number, and press **OK**.



TIP: If you key in the + character for the international prefix (press  twice) in front of the country code, you will be able to use the same phone number when you are calling from abroad.



TIP: QUICK SAVE: With the display clear, key in the phone number and press **Save**. Key in the name and press **OK**.

Recalling a Name and Phone Number

- 1 While the display is clear, press **Names**.
- 2 Choose **Search** and press **Select**.
- 3 Key in the first character of the name you are searching for.
- 4 Press **OK** or  for the first name, or  for the last name beginning with the character you keyed in Step 3 above.
- 5 Press  or  until the desired name appears.



TIP: QUICK SEARCH: Press **Names**, key in the first letter, for example A, and scroll with  or  until the desired name appears.

Erasing a Name and Phone Number

You can remove names and phone numbers from the selected Phone Book one by one or all at once.

One by One

- 1 Recall the name and the number that you want to erase.
- 2 Press **Options**.
- 3 Scroll with  or  to **Erase** and press **OK**.

All at Once

- 1 While the display is clear, press **Names**.
- 2 Scroll with  or  to **Erase** and press **Select**. Then choose **Erase all** and press **Select**.
- 3 Scroll to the Phone Book to be erased (Phone or SIM card) and press **Select**.
- 4 At the prompt **Are you sure**, press **OK**, key in the security code and press **OK**. For more information about the security code, see chapter 'Reference Information' - 'Access Codes'.

Assigning a Phone Number as a Speed Dial Number

The first nine names & phone numbers stored in Phone Book are automatically stored as speed dial numbers and can be speed dialled via the number keys  - . If you want to assign another number to one of the speed dial keys, do as follows:

- 1 Press **Names** and choose **Speed Dials**. If no phone number is assigned to a key, press **Assign**.



NOTE: Assign is also shown when the phone has automatically assigned a phone number from the Phone Book to a speed dialling key.

- 2 Search for the desired name and/or phone number from Phone Book, and press **OK** to select it.

If a phone number is already assigned to a key, you can view the number, change it or erase it by first pressing **Options**.

To Use the Speed Dial Key

Press the desired speed dial key ( to ) and press  to make the call.

Caller Groups

You can set the phone to sound a specific ringing tone and flash a preselected graphic on the display when you receive a call from a particular phone number.

To make this happen, first include the phone number in the desired caller group. Then define a ringing tone and graphic for the caller group.



NOTE: You can set the phone to ring only when you receive calls from phone numbers that belong to a specific caller group. See chapter 8 'Profiles (Menu 3)'.

Including a Phone Number in a Caller Group

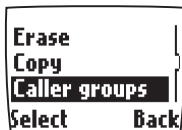
- 1 Recall the name and phone number that you want to include in the caller group.



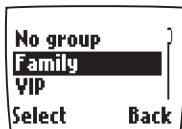
- 2 Press **Options**.



- 3 Scroll with  or  to **Caller groups**, and press **Select**.



- 4 Scroll to the desired caller group, e.g. **Family**, and press **Select**.



Setting the Ringing Tone and Graphic for a Caller Group

- 1 While the display is clear, press **Names**.
- 2 Scroll with  or  to **Caller groups** and press **Select**.
- 3 Scroll to one of the caller groups and press **Select**.
- 4 Scroll to one of the following functions and press **Select**.
 - Rename group
Key in the name and press **OK**.
 - Group ringing tone
Scroll to the desired ringing tone and press **OK**. Preset is the tone selected for the currently selected profile.
 - Group graphic:
Scroll to On, Off, View graphic, Send via IR, Send graphic (send via SMS), and press **Select**.
- 5 If you selected Send graphic (network service), key in the recipient's phone number or recall it from Phone Book and press **OK**.

Phone Book Status

You can check how many names and phone numbers are stored and how many locations are still free in Phone Book.

- 1 While the display is clear, press **Names**.
- 2 Scroll with  or  to **Options** and press **Select**.
- 3 Scroll to **Memory status** and press **Select**.
- 4 Scroll to **SIM card** or **Phone**. The number of free locations and locations in use is displayed.

Service Numbers (Service Nos)

This function makes it easy to call the service numbers of your service provider.

This function is displayed only if there are service numbers stored on your SIM card.

- 1 While the display is clear, press **Names**.
- 2 Scroll with  or  to **Service nos** and press **Select**.
- 3 Scroll to the desired service number and press  to call the number.

Copying and Printing via IR

Using the phone's infrared (IR) port, you can copy names and phone numbers to a compatible phone or a PC which is running an appropriate application. You can also print phone numbers and names from Phone Book on a compatible printer.

- 1 Recall the name and phone number to be copied.
- 2 Make sure that the other phone or the PC is set up to receive data via its IR port.
- 3 Once you are in the Details of the given name or phone number: Press **Options**, scroll with  or  to **Send via IR** (to copy the phone number/name) or **Print via IR** (to print names and phone numbers on a compatible printer) and press **Select**.

Copying a Name and a Phone Number to Your Phone from another Phone

To copy names and phone number from another compatible phone, you need to first set your phone to receive data through its IR port by entering the Infrared menu (Menu 9). The user of the other phone should then send the name and phone number, 'Business Card', as described above.

Once the name and phone number have been copied, scroll to **Show, Save or Discard**, and press **OK**.

5. Using the Menu

The phone offers an extensive range of functions which allows you to tailor the phone to your needs. These functions are arranged in menus and submenus.

Most of the menu functions are provided with a brief help text. To view the help text, scroll to the desired menu function and wait for 10 seconds.

The menus and submenus can be accessed by scrolling or by using the appropriate shortcut.

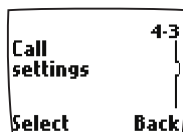
Accessing a Menu Function by Scrolling

- 1 To access the menu facility, press **Menu**.

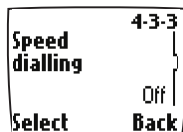
Press  or  to reach the desired main menu, e.g. **Settings**. Press **Select** to enter the menu.



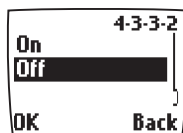
- 2 If the menu contains any submenus, find the one you want with  or . Press **Select** to enter the submenu (e.g. **Call Settings**).



- 3 If the menu you have selected contains submenus, repeat step 2. Press **Select** to enter the next submenu (e.g. **Speed Dialling**).



- 4 Press  or  to find the setting of your choice. Press **OK** to confirm the chosen setting.





TIP: You can return to the previous menu level by pressing **Back** or exit the menu without changing any settings by pressing and holding **Exit**.



TIP: You can always exit the menu without changing the menu settings by pressing .

Accessing a Menu Function by Using Its Shortcut

The menu items (menus, submenus and setting options) are numbered and can be accessed quickly by using their shortcut number. The shortcut index number is shown in the top right corner of the display. For menu shortcuts, see the list of menu functions.

4-3-1



- 1 Press **Menu**.
- 2 Key in quickly, within three seconds, the index number of the menu function you want to access.

For example, to set the Anykey function to on:

Press **Menu**, ,  and .

Menu for entering the menu

 for Settings

 for Call Settings

 for Anykey Answer

To access the menu 1:

Key in the index number 1 and wait until the submenu level 1 opens. Then quickly key in the index numbers of the desired submenu.

Or, alternatively:

Key in the index number 01 and then quickly key in the index numbers of the desired submenu.

List of Menu Functions

1 Messages



- 1 Inbox
- 2 Outbox
- 3 Write messages
- 4 Message settings
 - 1 Set 1¹
 - 1 Message centre number
 - 2 Messages sent as
 - 3 Message validity
 - 4 Rename this set
- 2 Common²
 - 1 Delivery reports
 - 2 Reply via same centre
- 5 Info service
- 6 Fax or data call
- 7 Service command editor
- 8 Voice messages
 - 1 Listen to voice messages
 - 2 Voice mailbox number

2 Call register



- 1 Missed calls
- 2 Received calls
- 3 Dialed numbers
- 4 Erase recent call lists
- 5 Show call duration
 - 1 Last call duration
 - 2 All calls' duration
 - 3 Received calls' duration
 - 4 Dialed calls' duration
- 5 Clear timers
- 6 Show call costs
 - 1 Last call cost
 - 2 All calls' cost
 - 3 Clear counters
- 7 Call costs settings
 - 1 Call costs' limit
 - 2 Show costs in

1 The number of sets depends on how many sets your SIM card offers. Each set appears in its own submenu and may have any name.

2 The shortcut number of this submenu depends on the number of sets available.

3 Profiles



1 General

- 1 Activate
- 2 Personalise
 - 1 Incoming call alert
 - 2 Ringing tone
 - 3 Ringing volume
 - 4 Vibrating alert¹
 - 5 Message alert tone
 - 6 Keypad tones
 - 7 Warning and game tones

2 Silent

- 1 Activate
- 2 Personalise (same submenus as in General)
- 3 Rename
- 3 Meeting (same submenus as in Silent)
- 4 Outdoor (same submenus as in Silent)
- 5 Pager (same submenus as in Silent)
- 6 Car²
 - 1 Personalise

1 This setting is available only when the phone is used with a special battery.

2 This profile is shown only if the phone is or has been used with the car kit CARK-91.

- 1 Incoming call alert
- 2 Ringing tone
- 3 Ringing volume
- 5 Message alert tone
- 6 Keypad tones
- 7 Warning and game tones
- 8 Lights
- 9 Automatic answer

7 Headset ³

- 1 Personalise (same submenus as in General plus Automatic answer)

4 Settings



- 1 Alarm clock
- 2 Clock
- 3 Call settings
 - 1 Anykey answer
 - 2 Automatic redial
 - 3 Speed dialling
 - 4 Call waiting options
 - 5 Own number sending
 - 6 Phone line in use⁴
- 4 Phone settings
 - 1 Language
 - 2 Cell info display

3 This profile is shown only if the phone is or has been used with the headset HDC-9.

4 This function is available only if your SIM card supports it.

- 3 List of own numbers
- 4 Welcome note
- 5 Network selection
- 6 Confirm SIM service actions
- 5 Security settings
 - 1 PIN code request
 - 2 Call barring service
 - 1 Outgoing calls
 - 2 International calls
 - 3 International except to home country
 - 4 Incoming calls
 - 5 Incoming calls if abroad
 - 6 Cancel all barrings
 - 3 Fixed dialling
 - 4 Closed user group
 - 5 Security level
 - 6 Change access codes
 - 1 Change security code
 - 2 Change PIN code
 - 3 Change PIN2 code
 - 4 Change barring password
 - 7 Phone line change¹
- 6 Restore factory settings
- 5 Call divert 
 - 1 Divert all voice calls without ringing
 - 2 Divert when busy
 - 3 Divert when not answered
 - 4 Divert when phone off or no coverage
 - 5 Divert when off, no answer, or no coverage²
 - 6 Divert all fax calls
 - 7 Divert all data calls
 - 8 Cancel all diverts
- 6 Games 
 - 1 Memory
 - 2 Snake
 - 3 Logic
- 7 Calculator 
- 8 Calendar 
- 9 Infrared 

¹ This function is available only if your SIM card supports it.

² This function is available only if your SIM card supports it.

10 Services¹



1 Personal Bookmarks

Service name *)

Add New Service

2 Operator Services

Service name *)

Operator Settings

Operator Access Number 1

Operator Access Number 2

Update Operator Services

3 Nokia Services

Service name *)

Nokia Settings

Nokia Access Number 1

Nokia Access Number 2

Update Nokia Services

11 SIM Services²



¹ This is a network service and may not be supported by your network. For availability, contact your network operator or service provider.

*) In this menu you will see the names of the available services.

² This menu is shown only if supported by your SIM card. The name and the contents of this menu vary depending on the SIM card.

6. Messages (Menu 1)



About Messages

This menu includes functions related to text (SMS) messages, voice messages, fax and data calls, as well as service commands and the network's information service messages.

Reading a Text Message (Inbox – Menu 1-1)

When you receive a text message,  and the number of new messages followed by message(s) received will appear and a short tone will be heard.

- 1 Press **Read** to read the message immediately or **Exit** to view it later.

To view the message later:

Once you are in the **Messages** menu, scroll with  or  to **Inbox**, and press **Select**.

- 2 Scroll to the desired message and press **Read** to view it. Use  or  to browse through the message and related information, such as Sender's phone number and Reception date and time.
- 3 While reading the message, press **Options** to access the available options, and press **OK**:
 - Erase
 - Reply
 - Edit
 - Use number (extracts a phone number from the message for calling or saving)
 - Forward (allows you to send the message onwards)
 - Print via IR (uses the phone's infrared port to print the message on a compatible printer)

- **Details** shows details of the message: Sender's name and phone number, the Message centre used for sending, Reception date and time, Reply path availability.



NOTE:

☞ in front of the header means that the message has not yet been read.

📧 in front of the header indicates a delivery report.

When ☐ blinks your phone has no more space for new messages. Use the 'Erase' function in the 'Inbox' submenu to make some space.

When ☐ is not shown all received messages have been read and there is still free space for at least one new message.

Sending a Text Message (Outbox- Menu 1-2 and Write Messages - Menu 1-3)

The SMS network service allows you to send short text messages to phones which have SMS capability.



NOTE: Before you can send any messages, you need to store the number of your Messages centre in menu 'Message settings', Message centre number. You will receive this number from your service provider when you subscribe to the Short Message Service (SMS).

Writing, Sending and Saving a Text Message

Within the **Write messages** menu you can write and edit text messages of up to 160 characters. For instructions on how to enter characters, see chapter 'Storing a phone number with a name'.

When you have finished writing your message, press **Options** to display the following functions: **Send**, **Send by set** (sends the message to a preselected set - see below), **Save**, (stores the message in the Outbox), **Clear screen** (removes all the characters that you have keyed in from the display).

You can save your own messages in the 'Outbox' submenu (Menu 1-2) for use at a later time.

Viewing your own messages

Once you are in the **Messages** menu, scroll to **Outbox** and press **Select**. Scroll to the desired message.

Pressing **Read** shows the message. Pressing **Options** while you are reading a message allows access to the same functions as 'Inbox' (Menu 1-1), except for **Reply**.

Message Settings (Menu 1-4)

Set 1 (Menus 1-4-1)¹

A setting group or 'set' is a collection of the settings required for sending text messages.

You can, for example, send a text message as a fax (provided that this function is supported by your service provider) by simply selecting the set in which you have defined the proper settings for fax transmissions.

Each set has its own submenu:

- **Message centre number**

Use this menu to store the phone number of the message centre needed for sending text messages.

Key in or edit the phone number and confirm with **OK**.

- **Message sent as**

Normally, this menu choice should be set to **Text**. Your messaging service may however offer you the facility of converting your text messages into alternative formats (e-mail, fax or paging) which are suitable for the equipment that will be receiving the message. Contact your service provider for availability of this function.

¹ The total number of sets depends on how many sets your SIM card offers.

- **Message validity**

This network service allows you to set the length of time that your text messages will be stored at the message centre while attempts are made to deliver them to you.

- **Rename this set**

Allows you to rename the set.

Common (Menu 1-4-)¹

- **Delivery reports**

You can request the network to send delivery reports about your text messages (this is a network service).

- **Reply via same centre**

You can request the network to route the reply to your text message via your own message centre (network service).

Info Service (Menu 1-5)

This network service allows you to receive messages about a variety of topics (such as weather or traffic conditions) from your service provider. For available topics and relevant topic numbers, contact your service provider.

By selecting **On**, you will receive messages about the active topics. You can edit the topic list, and mark the topics as active or inactive.

Topic Index retrieves a list of available topics from the network. By selecting **Topics**, you can add a topic to the topics list. Key in the topic number and name. You can also **Edit** or **Erase** the topic list.

Select **Language** to set the language for the messages. Only messages in the selected language will be shown. If automatic language selection is on, the language is chosen according to the SIM card.

¹ The shortcut number of this menu depends on the number of sets available.

Fax or Data Call (Menu 1-6)

The phone can send and receive data through the Nokia Cellular Data Suite PC application (network service). For more details, refer to the documentation supplied with your Nokia Cellular Data Suite and communications applications.

Making a data or fax call

- 1 Once in the Messages menu, select **Fax and data or Also voice** and press **Select**. **Also voice** allows you to switch from voice mode to data (or fax) mode during a call.
- 2 Key in or recall the desired phone number and press **OK**.
- 3 If you selected **Also voice** in step 1, to switch between voice and data/fax mode during a call, press **Options**, select **Voice Mode** or **Data Mode** (or **Fax Mode**) and press **OK**.
- 4 After the transmission, end the call by pressing .

Receiving a data or fax call

You can answer a data or fax call in the normal way, even when the phone keypad is locked.

Service Command Editor (Menu 1-7)

From this submenu you can send service requests (such as activation commands) for network services, to your service provider.

Voice Messages (Menu 1-8)

Listen to Voice Messages (Menu 1-8-1)

When you enter this submenu, the phone automatically calls your voice mailbox at the phone number stored in Menu 1-8-2.



TIP: Alternatively, press and hold  when the display is clear.



NOTE: When a note about a received message is shown on the display, you can press **Listen** to listen to the message.

Voice Mailbox Number (Menu 1-8-2)

Within menu **Voice Mailbox Number** you can store the phone number of your voice mailbox. Key in the number and press **OK**. This number will remain unchanged until you replace it. You will obtain the number from your service provider.

7. Call Register (Menu 2)



About Call Register

Your phone will only register missed and received calls if the network you are using supports the Calling Line Identification function, the phone is switched on and is within the network's service area.

Missed Calls (Menu 2-1)

This function allows you to view a list of the last ten phone numbers from which somebody has tried to call you with no success (network service).

Using the options provided in the Missed calls menu you can view the date and time of each call, and view, edit, erase or save the number in the Phone Book.



TIP: When a note about missed calls is being displayed, press **List** to see the phone number.

Received Calls (Menu 2-2)

This function allows you to view a list of the ten phone numbers from which you have most recently accepted calls (network service).

Using the options provided in the Received calls menu you can view the date and time of each call, and view, edit, erase or save the number in the Phone Book.

Dialled Numbers (Menu 2-3)

This function allows you to view a list of the ten phone numbers that you have most recently dialled, i.e. called or tried to call.

Using the options provided in the Dialled calls menu you can view the date and time of each call, and view, edit, erase or save the number in the Phone Book.

Erase Recent Call Lists (Menu 2-4)

This function allows you to delete all the phone numbers which appear in Menus 2-1, 2-2 and 2-3.

These phone numbers are also erased in the following cases:

- When you switch on the phone with a SIM card inserted which is not one of the five SIM cards used most recently with the phone.
- When you change the 'Security level' setting (see chapter 9, 'Settings' - Menu 4-5-5).

Show Call Duration (Menu 2-5)

This function allows you to view the duration of your incoming and outgoing calls in hours, minutes and seconds. You can also (by first entering the security code) clear the call timers. See chapter Reference Information - 'Access Codes'



NOTE: The actual time invoiced for calls by your service provider may vary, depending upon network features, rounding-off for billing, and so forth.

Show Call Costs (Menu 2-6)

This network service allows you to check the costs of your last call (or all calls and clear the counters). To clear the counters you will need to have the PIN2 code. See chapter Reference Information - 'Access Codes'.

The costs are shown in terms of units set within Menu 2-7-2, for each SIM card independently.



NOTE: The actual time invoiced for calls by your service provider may vary, depending upon network features, rounding-off for billing, taxes and so forth.

Call Cost Settings (Menu 2-7)

Call Costs' Limit (Menu 2-7-1)

This network service allows you to limit the costs of your calls to a selected number of charging units or units of currency (as set in Menu 2-7-2).

If you have selected **On**, the number of remaining units is shown when the display is clear.

When all units have been used, no calls can be made except emergency calls to the number 112.

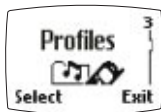
Depending on the SIM card you may need the PIN2 code to set a call cost limit. See chapter Reference Information - 'Access Codes'.

Show Costs in (Menu 2-7-2)

The phone can show the call cost limits in terms of charging units or the desired currency. Contact your service provider for charging unit prices.

To select the currency or unit this menu, you will need the PIN2 code. See chapter Reference Information - 'Access Codes'.

8. Profiles (Menu 3)



What You Can Do with Profiles

You can adjust and customise the alert of your phone to suit a wide variety of events and environments (e.g. meetings, movies, etc.).

Selecting Different Profiles

If you want to change the current Profile being used by your phone press the **OK** key quickly. Press **▼** or **▲** to choose another Profile and press **OK**.



NOTE: Doing this allows you to choose other Profiles, but you cannot customise them here.



TIP: Quick Silent If you want to activate the Silent profile quickly, press **OK** and **3 def**. To change to the previous profile, press **OK** and **2 abc**.

Customising Profiles

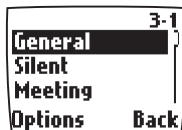
(e.g. selecting a ringing tone for the General profile)

- 1 Once you are in Profiles, Menu 3, the following Profiles list appears:
 - General (this is the default setting)
 - Silent
 - Outdoor
 - Meeting
 - Pager
 - Car
 - Headset



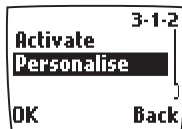
NOTE: Car and Headset will not appear in the Profiles list unless car kit CARK-91 or headset HDC-9 are connected to your phone. However, the settings for the Car and Headset will remain in the menu once connected.

- 2 Scroll to the desired profile (e.g. General) and press **Options**.



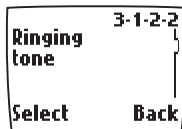
- 3 Select Personalise and press **OK**.

Selecting Activate only makes the selected profile the current one, the profile cannot be customised in this way.



NOTE: When the phone is connected to the car kit CARK-91 or headset HDC-9, the Activate function will not be available.

- 4 Select the setting that you wish to customise, for example Ringing Tone.



- 5 Scroll to the desired option and press **OK**.

Settings for Profiles

Incoming Call Alert

This setting defines how the phone will notify you about an incoming voice call. The options available are: Ringing, Ascending, Ring once, Beep Once, Caller Groups and Off.

Caller Groups

The phone will ring only when calls are received from phone numbers which belong to the selected caller group. (Also a graphic is shown, if specified to the group.)

Scroll to the desired group and press **Mark** to select or **Unmark** to deselect it. Repeat this as many times as necessary. Next, press **Back** and then **Yes** to save or **No** to discard the changes. See also chapter 4 'Phone Book', 'Caller Groups'.

Ringing Tone

Sets the ringing tone for voice calls.

Ringing Volume

Sets the volume level for the ringing, message and alarm clock alert tones.

Vibrating Alert

Sets the phone to vibrate when a voice call is received. The vibrator does not operate when the phone is connected to a charger, deskstand or handsfree car kit.

Message Alert Tone

Sets the ringing tone for text messages.

Keypad Tones

Sets the volume level for keypad tones.

Warning and Game Tones

Sets the phone to sound a warning tone, for example when the battery is running out of power or when you play one of the games offered by your phone. This setting has no effect on the tones which are related to network services.

Automatic Answer (in Car and Headset Profile Only)

Sets the phone to answer an incoming voice call after a single ring. This function can be used when the car kit is equipped with ignition sense and ignition is switched on. Scroll to On or Off and press **OK**.

Lights (in Car Profile Only)

Sets the display and keypad lights. Scroll with  or  to On (always on) or Automatic (on for 15 seconds after key press or incoming call alert) and press **OK**.



NOTE: While in Phone Book or the menu functions, you can switch on the lights for 15 seconds by pressing:  quickly even if 'Automatic' is selected

Renaming Profiles

This function allows you to edit the name of the selected profile.

- 1 When the desired Profile is highlighted, press **Options**.
- 2 Scroll with  or  to Rename and press **OK**.
- 3 Enter the new name and press **OK**.



NOTE: This function is not available in the General, Headset and Car profiles.

9. Settings (Menu 4)



Alarm Clock (Menu 4-1)

The phone can be set to alarm at a specified time. The alarm clock uses the time format set for the clock, either 12-hours or 24-hours.

The alarm clock will still work even when the phone is switched off.

In this menu you can set the alarm time and select **On** to change the alarm time or **Off** to turn the alarm clock off.

When the alarm time is reached

The phone will sound an alert tone. When the phone is alerting, **ALARM!** is also shown and the phone's lights flash. If you let the phone sound the alarm for a full minute or if you press any other key, the alarm stops for a few minutes and then resumes. You can end this 'snoozing' by pressing **Stop** or by switching the phone off.



NOTE:

If the alarm time expires while the phone is switched off, the phone starts alarming. If you press **Stop**, the phone asks whether you want to activate the phone for calls. Press **Yes** to switch on the phone or **No** to keep the phone switched off.

Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

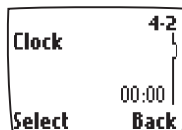
Clock (Menu 4-2)

The phone has its own clock. The current time is shown on the display except when you are in the Phone Book or Menu functions.

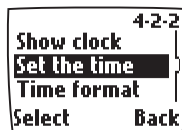
In this menu you can set the time display On or Off, set the time or select between the 12 -hour or 24 -hour time formats.

Setting the Clock:

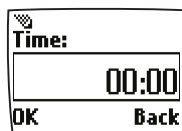
- 1 Once in Menu 4-2, press **Select**.



- 2 Scroll to Set the time, and press **Select**.



- 3 Enter the present time at Time:, and press **OK**.



The clock also provides the following functions: Messages (Menu 1), Call register (Menu 2), Alarm clock (Menu 4-1), and Calendar (Menu 8).



NOTE: If the battery is removed from the phone for a longer time, you may need to set the time again.

Call Settings (Menu 4-3)

Anykey Answer (Menu 4-3-1)

When this function is set on, you can answer an incoming call by pressing any key briefly, except  and .

Automatic Redial (Menu 4-3-2)

When the Automatic Redial function is set on, your phone will make up to ten attempts to connect the call after an unsuccessful call attempt.

Speed Dialling (Menu 4-3-3)

When the Speed Dialling function is set to on, the names and phone numbers assigned to the speed dial keys  to  can be dialled by pressing and holding the corresponding number key. Pressing and holding the  key dials your voice mailbox number.

Call Waiting Options (Menu 4-3-4)

When this network service is activated, the network will notify you of a new incoming call while you have a call in progress.

Own Number Sending (Menu 4-3-5)

This network service allows you to set whether your phone number is shown to or hidden from the person that you are calling. Preset resets the phone to the default setting, On or Off, that you have agreed upon with your service provider.

Phone Line in Use (Menu 4-3-6)

The SIM card may be used with two subscriber numbers, 'phone lines' (network service). This function is available only if your SIM card supports it.

You can select the desired line for making calls. However, calls on both lines can be answered disregarding the selected line.

If you select line 2 and have not subscribed to this network service, you will not be able to make calls.

When you have prevented the line selection within the 'Phone line change' function, you cannot use this function.

Phone Settings (Menu 4-4)

Language (Menu 4-4-1)

Within this menu you can select the language in which the display texts will be shown. If the setting **Automatic** is selected, the language used is chosen based on the current SIM card. English will be used if the language on the SIM card is not found in the phone.

This setting also affects the time and date formats of the following functions: Alarm clock (Menu 4-1), Clock (Menu 4-2), Calendar (Menu 8).

Cell Info Display (Menu 4-4-2)

This network service allows you to set the phone to indicate when it is used in a cellular network based on Micro Cellular Network (MCN) technology (network service).

List of Own Numbers (Menu 4-4-3)

Within this menu you can store, erase and edit the phone numbers assigned to your SIM card, if this is allowed by the card.

This function is a memory aid, which you can use to check your own phone numbers if you need to do so.

For this reason, the edits that you make here do not affect in any way the actual subscriber number(s) of your SIM card.

Welcome Note (Menu 4-4-4)

This menu allows you to set the message (up to 36 characters in length) which is shown briefly when the phone is switched on.

Network Selection (Menu 4-4-5)

The network to which you are connected can be selected either automatically or manually.

In Automatic mode the phone automatically selects one of the cellular networks available in your area; the selected network can be GSM900, GSM1800 or GSM900/1800.

In Manual mode the phone will show a list of the available networks and you can select the network you wish to use if this network has a roaming agreement with your home network operator. If no such agreement is in force, the text **NO ACCESS** will be displayed and you must select another network. The phone will stay in manual mode until the automatic mode is selected or another SIM card is inserted into the phone.

Security Settings (Menu 4-5)

Your phone is equipped with a versatile security system to prevent unauthorised use of the phone or the SIM card. See also chapter Reference Information - 'Access Codes'.

PIN-Code Request (Menu 4-5-1)

Within this menu you can set the phone to ask for the PIN code of your SIM card when the phone is switched on. You will need the PIN code to turn this request function on.

Note that some SIM cards do not allow the PIN code request to be turned off.

Call Barring Service (Menu 4-5-2)

This network service allows you to restrict making and receiving calls with your phone. For this function you need the barring password.

You have the following barring modes to choose:

Outgoing calls

Calls cannot be made.

International calls

Calls cannot be made to foreign countries.

International except to home country

Calls can be made only within and to your home country.

Incoming calls

Calls cannot be received.

Incoming calls if abroad

Calls cannot be received outside your home country.

Cancel all barrings

For each function (except Cancel all barrings) you have the following options: Activate, Cancel, or Status (shows the types of barred call).



NOTE: When calls are barred, calls may be possible to certain emergency numbers in some networks (e.g. 112 or other official emergency number).

When you make a call and a barring mode is set on, the phone may display a note reminding you of this.

Fixed Dialling (Menu 4-5-3)

This service restricts your outgoing calls to selected phone numbers, if this function is supported by your SIM card. To save and edit the numbers on the list, you will need to have the PIN2 code.



NOTE: When Fixed Dial Option is set on, calls may be possible to certain emergency numbers in some networks (e.g. 112 or other official emergency number).

Closed User Group (Menu 4-5-4)

This network service specifies the group of people to whom you can call and who can call you. **Preset** resets the phone to use a user group that the SIM card owner has agreed upon with the service provider.



NOTE: When calls are limited to Closed User Groups, calls may be possible to certain emergency numbers in some networks (e.g. 112 or other official emergency number).

Security Level (Menu 4-5-5)

This menu allows you to set the phone security level on to avoid unauthorised use of the phone. You will need the security code to set the security level. The available options are: **None**, **Memory** (security code is required when Phone Book memory is selected) and **Phone** (security code required when a new SIM card is inserted).



NOTE: When you change the security level, all the recent calls lists are cleared.

Change Access Codes (Menu 4-5-6)

With this menu you can change the access codes: security code, PIN code, PIN2 code and barring password. These codes can only include the characters 0 to 9. The phone prompts you to enter the current code and the new code. It also prompts you to verify the new code by entering it again.



NOTE: Avoid using access codes similar to the emergency numbers, such as 112, to prevent accidental dialling of the emergency number.

Phone Line Change (Menu 4-5-7)

You can allow or prevent the selection of a phone line.

When **Not allowed** is selected, you cannot use the 'Phone line in use' function.

- 1 Once in the **Security** settings submenu, scroll with  or  to **Phone line change** and press **Select**.
- 2 Key in the PIN2 code and press **OK**.
- 3 Scroll to **Allowed** or **Not allowed** and press **OK**.

Restore Factory Settings (Menu 4-6)

You can reset some of the menu settings to their original values. The security code is needed for this function.

10. Call divert (Menu 5)



This network service is used to forward incoming calls to your voicemail (only voice calls) or to another number so you won't miss an important call.

For details, contact your service provider.

The divert modes available are:

- Divert all voice calls without ringing (Menu 5-1)
- Divert when busy (Menu 5-2) (for voice calls only)
- Divert when not answered (Menu 5-3) (for voice calls only)
- Divert when phone off or no coverage (Menu 5-4)

Voice calls are diverted when they are not answered, or your phone is busy, switched off or outside the network service area.

- Divert when phone off, no answer or, no coverage (Menu 5-5)
Voice calls are diverted when they are not answered, or your phone is busy, switched off or outside the network service area. This function is available only if your SIM card supports it.

- Divert all fax calls (Menu 5-6)
- Divert all data calls (Menu 5-7)
- Cancel all diverts (Menu 5-8)

All diverts are set off.

For each mode you can select **Activate** (sets the divert mode on if allowed by the network), **Cancel** (sets the divert mode off) or **Status** (shows the call types affected by the divert mode).

Within the submenu **Cancel all diverts** (Menu 5-8), you can cancel all call diverts.



TIP: If **Divert when busy** is activated, rejecting an incoming call will also divert a call.

11. Games (Menu 6)



Not only can you use the phone for communication, you can also use it for some serious fun.



NOTE: Your phone must be switched on to use this function. Do not switch on the phone when the use of a wireless phone is prohibited or when it may cause interference or danger.

You can choose between the following games:

Memory

Reveal pictures to find pairs with as few tries as possible. Move the cursor with the following keys: **2 abc** (up), **4 ghl** (left), **6 mnc** (right), **8 tuv** (down), **# 0** (jumps over revealed pictures and moves on to next row when at end of row), *** +** (jumps over revealed pictures and moves back to previous row when at start of row). **5 jk** reveals the pictures. Once found, pairs stay visible.

Snake

Feed the snake with as many goodies as possible. Use **1 00** - **9 wxyz** (except for **5 jk**) for moving the snake. The longer the snake's tail grows, the higher is your score. When the snake hits its own tail or the surrounding wall, the game is over.

Starting a 2 -player game

Before starting the game, ensure that the IR ports of the two devices are pointing at each other and that the IR connection is activated. Both players need to start the 2-player game on their phones.

Logic

Find out a secret combination of figures. Available figures are shown at the top of the display before you accept the first guess row. Use **2 abc** and **8 tuv** to move the cursor and **5 jk** to select the

figure. To copy a figure from a previously accepted guess row, start scrolling with , move the cursor to the desired figure in the normal way and accept the selection with .

Once you think that you have got the right combination, press . The result is presented as a set of marks over the row. A correct figure in right place gives a full mark; a correct figure in wrong place gives a half a mark. When all the figures are correct and in right places, the game ends.



NOTE: While playing, pressing either selection key pauses the game (1-player games only). To resume a paused game, select **Continue**.

When you select a game, you can choose from the following options:

New game

Starts a new game session.



NOTE: This option is replaced with **1 player / 2 player** selection if you can play against a similar phone via the infrared port.

Top score

Shows the highest score achieved on the game with your phone. Available only in the games which keep track of the score.

Instructions

Shows a brief help text about the game. You can scroll the text with **More** (or  and .

Level

Allows you to set the difficulty level. Select the desired level with  or  and press **OK**.

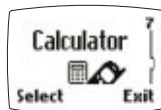
Continue

Allows you to resume a paused game. Available only when there is a game that has been paused.

Last view

Shows the final view of game immediately after the game ended.

12. Calculator (Menu 7)



The calculator in your phone adds, subtracts, multiplies, divides, and converts currency values.



NOTE: Your phone must be switched on to use this function. Do not switch on the phone when the use of a wireless phone is prohibited or when it may cause interference or danger.

Using the Calculator

- 1 Once in Calculator menu, press **Select**.
- 2 When an '0' is displayed on the screen, enter the first number in the calculation (press $\text{#} \circ$ for decimals).
- 3 To add, press $\text{*} +$ once (+ will appear).
 To subtract, press $\text{*} -$ twice (- will appear).
 To multiply, press $\text{*} \cdot$ three times (* will appear).
 To divide, press $\text{*} /$ four times (/ will appear).
 To add a decimal, press $\text{#} \circ$.
 Or: Press **Options**, scroll with $\blacktriangledown$ or $\blacktriangle$ to the desired function, and press **OK**.
- 4 Enter the second number. Repeat these steps as many times as needed. Press **Clear** to erase any mistakes.

- 5 Press **Options**. Highlight **Equals** and press **OK**. You can also choose the **Add**, **Subtract**, **Multiply**, and **Divide** functions from the list of options.



NOTE: This calculator has a limited accuracy and rounding errors may occur, especially in long divisions.

To Make a Currency Conversion

- 1 To set the exchange rate, press **Options**, scroll to **Exchange rate** and press **OK**.
- 2 Scroll to either of the displayed options and press **OK**. Key in the exchange rate (press $\frac{\#}{\circ}$ for a decimal point) and press **OK**.
- 3 To make the conversion, key in the amount to be converted, press **Options**, scroll to **To domestic** or **To foreign** and press **OK**.

13. Calendar (Menu 8)



The calendar can keep track of reminders, calls that you need to make, meetings, and birthdays. It can even sound an alarm at times when you should make a call or go to a meeting.



NOTE: Your phone must be switched on to use this function. Do not switch on the phone when the use of a wireless phone is prohibited or when it may cause interference or danger.

- 1 Once in Menu 8, scroll to the desired date.
- 2 Press **Options** to obtain the following functions. Scroll to the desired function and press **OK**.

View day

Shows notes set for the chosen day. Use  or  to browse through the note(s). Pressing **Options** while in a note allows access to the following functions.

Erase (deletes the note), Edit (allows you to edit the note), Move (allows you to change the date and time of the note), Send note (allows you to send the note as a text message (SMS)). Send via IR (copies the note to another compatible phone by using the infrared port).

Make note

Allows you to write a note. You can choose from the following types of note:

Reminder (indicated by )

Key in the note and the date and press **OK**.

Call ()

Key in the desired phone number (or recall it from Phone Book) and the date when the call should be made, press **OK**. Repeat this to set the time at which the call should be made.

Meeting

Key in a note and the date of meeting, press **OK**. Repeat this to set the time of the meeting.

Birthday

Key in the person's name, the date of birth (include the year) and press **OK**. The note and the person's age will be shown in every coming year.



You can set the phone to sound a tone in anticipation for a note: Press **Yes**, key in the alarm date and press **OK**. Repeat this with the alarm time. The presence of a tone alert is indicated by  when you view the notes.

Erase notes

Allows you to delete the selected note(s). Scroll to one of the displayed options and press **OK**.

View all

Shows the notes that are set for all days. Use  or  to browse through the note(s). Pressing **Options** allows access to the same functions as in 'View day'. Scroll to the desired function and press **OK**.

Go to date

Allows you to jump to the desired date.

Set the date

Allows you to change the current date.

Print via IR

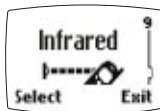
Allows you to print all the notes on a compatible printer using the phone's infrared port.

When the phone sounds an alert for a note

The phone will flash its lights, beep, and display the note. If the display is showing a Call note, you can call the displayed number by pressing .

If the phone was set to sound a tone alert, pressing **Postpone** suspends the alert for 10 minutes. Pressing this key again will postpone the alarm for another 10 minutes. To stop the alarm, press  or **OK**.

14. Infrared (Menu 9)



In this menu you can set up your phone to receive data through its infrared (IR) port. You can receive e.g. electronic business cards and ringtones from other infrared enabled devices. You can also play the 2-player Snake game using the Infrared connection. For further information on compatibility, contact your device dealer.

The phone is a Class 1 Laser Product.



NOTE: The preferable distance between the two devices in infrared connection is one meter at most.

There must be no obstructions between the two communicating devices.

The IR ports of the two devices must point at each other.

Receiving Data via the IR Port

To receive data from another compatible phone:

- 1 Ensure that the IR ports of the two devices are pointing at each other.
- 2 Enter the Infrared menu to activate the IR port for data reception.

If data transfer is not started within 45 seconds after the activation of the IR port, the connection is cancelled and will have to be started again.

Sending Data via the IR Port

This function allows you to send data to a compatible phone or PC.

You can select:

- Send graphic via IR for a desired caller group to notify that a member of a caller group is calling.
- Copy names and numbers from Phone Book to a compatible phone or PC.
- Print names and numbers from Phone Book to a compatible printer.
- Print a text message on a compatible printer.

Checking the Status of an IR Connection

The status of an IR connection is indicated by **IR**.

When **IR** is displayed continuously, there is an IR connection between your phone and the other device.

When **IR** is not displayed, no IR connection exists.

When **IR** blinks, your phone is trying to establish a connection with the other device or a connection has been lost.

15. Smart Messaging Services

Nokia Smart Messaging enables the use of a variety of network services offered by operators or service providers. Some services may be available through the Internet and, although your phone does not support full World Wide Web browsing, you may be able to access certain Internet services directly from your phone such as news, weather reports, traffic reports, flight times and dictionaries.



NOTE: The availability of Nokia and operator services vary and you may need to subscribe to them. Please contact your local service provider for rates and further information.

Services are saved and accessed via menu 10 which has three submenus: **Personal Bookmarks** (Menu 10-1), **Operator Services** (Menu 10-2) and **Nokia Services** (Menu 10-3). These menus are dynamic, which means that the content of each submenu will vary according to the services you have saved under that submenu.

To be able to use services, you first need to subscribe to the Short Message Service (SMS). When you order a new Smart Messaging service, the operator sends a message to your phone. To add the new service under Menu 10, save the message. To access the service, simply select the menu item.



NOTE: As the services that are available vary, this guide can give you only some of the basic guidelines on how to use such services. For more detailed information on using a specific service, contact your service provider and follow the guide texts on your phone's display.

Using Nokia and Operator Services

The following instructions provide some basic guidelines on how to use Smart Messaging services.

Storing Access Numbers

To be able to use Smart Messaging services, you will first need to have the service access numbers saved in your phone's memory. Nokia access numbers are stored in the **NOKIA SETTINGS** menu. Nokia access number 1 is +358405202999 and Nokia access number 2 is 99999. Do not remove them; when you receive a message, the phone checks whether it is sent from the authorised source specified in this menu.

As regards Operator services, you will be given the necessary access numbers by your service provider. Store these numbers in the **OPERATOR SETTINGS** menu.

Downloading the List of Services

Once the access numbers have been saved, you can download the list of services provided by the network in the following way:

- 1 Select the menu item **UPDATE NOKIA SERVICES** or **UPDATE OPERATOR SERVICES**.
- 2 Press the left  **Select**: a request message for the list of available services will be sent.
- 3 Wait until you receive the reply message from the network.



NOTE: The content of the reply message will depend on the service provider. The message can, for example, contain one particular service or a list of services.

Saving a Service Message as a Bookmark

If the reply message from a network contains a service or a list of services, you can either start using the service immediately, or you can save it under Menu 10-1 as a personal bookmark. Saving the service message as a bookmark provides you with a quick and easy way of accessing that service next time round.

To save a service message as a personal bookmark:

- 1 Once you have received the list of available services, select the desired service by highlighting it and pressing **OK**.
- 2 Scroll to the end of the message with the  key. The text **SAVE THE SERVICE MESSAGE?** will be displayed.
- 3 Press the left  **OK** to save the message.

If there is no room available to save a new service, the text **ERASE ONE OF THE OLD ONES FIRST** and the list of the current bookmarks will be displayed.

- 4 Enter a name for the bookmark (or accept the name that the phone suggests). The text **SERVICE MESSAGE SAVED** will appear once saving has been successfully completed.

Using a Service Saved as a Bookmark

The instructions in this section are one way of using a service. Note that this method may not apply to all services. Follow the guide texts shown on the display or contact your service provider for more information.

Once you have saved a service message as a bookmark in Menu 10-1, access the service in the following way:

- 1 Once in Menu 10-1, select the desired service by highlighting it.
- 2 Press the left  **Options** for options. (**Erase** removes the bookmark from the list, **Select** activates the bookmark).
- 3 Press the left  **OK** at **Select highlighted:** a message requesting the latest information about that service will be sent.

An Example of Downloading and Using a Nokia Service

This section gives you the instructions on how to use a Nokia service. Your phone enables you to download a new ringing tone from the network if this service is supported by the network operator and the Nokia service provider.

To download a ringing tone:

- 1 Once in the **Nokia Services** menu, select **Ringtones** service and press the left  **Select**. A request for the list of available ringing tones will be sent to the network.



NOTE: In order to be able to select **Ringtones**, you must first request and receive the list of available services as described in 'Downloading a List of Services', on page 71.

- 2 Wait until you receive the reply message from the network. When the reply message has been received, **SERVICE MESSAGE RECEIVED** will be displayed. Press the left  **OK** to receive the message.
- 3 Press **More** until the text **filename** is displayed and press the left  **Select** to access the list of available ringing tones. You can scroll through the list with the  and  keys.



NOTE: If you want easy access to the list of ringing tones at a later time, save the list as a bookmark. For instructions on how to do this, refer to 'Saving a Service as a Bookmark' on page 72.

- 4 Select the desired tone by highlighting it and press the left  **OK**.
- 5 Press the left  **Send** when at the **Get ringing tone**. A request for the selected ringing tone will be sent to the network. When the phone receives the ringing tone the text **RINGING TONE RECEIVED** will be displayed.
- 6 Press the left  **Options** for options: **Playback** (to play the new ringing tone) and **Save** (to save the ringing tone in the ringing tone list as **Personal**).

You can only download and save one ringing tone at a time. The next time that you save a new ringing tone, the ringing tone previously saved under **Personal** will be overwritten.

Other Services

Some Smart Messaging services may be saved and accessed in different ways to Nokia and Operator services. The service address for such services may be sent to your phone by a service provider, or you can manually add a service address by using the **ADD NEW SERVICE** menu. For availability of services and additional information, contact your service provider.

Saving a Service Address

Once in the **ADD NEW SERVICE** menu, give the following information: **title:** (enter the name of the service), **Access No.1:** (enter the number of the server) and **Access No.2:** (enter the number of the service). This information will be given to you from by your service provider.

A service address can also be sent to you from the network. When a new service address is sent to your phone, the text **NEW SERVICE RECEIVED:** and the name of the service will be displayed.

To add this new service address to your **Personal Bookmarks** menu, press the left  **Options** and then press **Save** to save the new service (or press **Details** if you want to receive more information before saving the new service).

Accessing a Service

Once in the **Personal Bookmarks** menu, select the service address by highlighting it and press the left  **Options** to choose between the following options:

Connect (a message requesting information will be sent).

When you select connect, you may be asked to enter a keyword.

Enter a keyword and press the left  **OK**. If you don't wish to enter any keyword, simply press the left  **OK**.

Edit (to change the settings of a service address)

Erase (to remove the selected service address from the menu).

16. SIM Services

In addition to the functions available in the phone, your SIM card may provide additional services that you can access in the menu 11 (SIM Services). Menu 11 is shown only if it is supported by your SIM card. The name and contents of the menu depend entirely on the services available.

You can set the phone to display the confirmation messages when you are using the SIM card services by selecting the option **Asked** within the menu 4-4-6 (**Confirm SIM service actions**).

For availability, rates and information on using the SIM services, contact your SIM card vendor - your network operator, service provider or other third-party vendor.



NOTE: Accessing these services may involve sending an SMS or making a phone call for which you may be charged.

17. Reference Information

Access Codes

You can use the access codes described in this section to avoid unauthorised use of your phone and SIM card.

The access codes (except PUK and PUK2 codes) can be changed by using Menu 4-5-6. See the following section.

Security Code (5 digits)

The security code can be used to avoid unauthorised use of your phone. The security code (security code) is usually supplied with the phone. Change the security code before you start using your phone. Keep the new code secret and in a safe place, which is separate from the phone.

PIN Code (4 to 8 digits)

The PIN (Personal Identification Number) code protects your SIM card against unauthorised use. The PIN code is usually supplied with the SIM card. When the PIN code request is enabled (Menu 4-5-1), the code is asked each time the phone is switched on.

PIN2 Code (4 to 8 digits)

The PIN2 code, supplied with some SIM cards, is required to access some functions, such as charging unit counters. These functions are only available if supported by your SIM card.

PUK Code (8 digits)

The PUK (Personal Unblocking Key) code is required to change a blocked PIN code. The PUK code may be supplied with the SIM card. If not, contact your local service provider for the code. If you lose the code, contact your service provider.

PUK2 Code (8 digit)

The PUK2 code, supplied with some SIM cards, is required to change a blocked PIN2 code. If you lose the code, contact your service provider.

Barring Password

The barring password is needed when using the 'Call Barring' function. You obtain the password from your service provider.

Battery Information

The following manufacturer-approved rechargeable batteries are available for your phone: NiMH batteries BMS-2V, BMS-2S and BMS-2, and Li-Ion batteries BLS-2, BLS-2H, BLS-4 and BLS-5.

Charging and Discharging the Battery

- Your phone is powered by a rechargeable battery.
- Note that a new battery's full performance is achieved only after two or three complete charge and discharge cycles!
- The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time (talk-time and stand-by time) is noticeably shorter than normal, it is time to buy a new battery.
- Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer.
- When a charger is not in use, disconnect it from the power source.

Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its life. If left unused a fully charged battery will discharge itself over time.

- For good operation times, discharge the NiMH battery from time to time by leaving your phone switched on until it turns itself off. Do not attempt to discharge the battery by any other means.
- Temperature extremes will affect the ability of your battery to charge: allow it to cool down or warm up first.
- When the battery is running out of power and only few minutes of talk time remain, a warning tone is heard and **Battery low** is briefly displayed. When no more talk time is left, **Battery empty** is displayed and a warning tone is sounded and the phone switches itself off.

Using the Batteries

- Use the battery only for its intended purpose.
- Never use any charger or battery which is damaged or worn out.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes direct connection of the + and - terminals of the battery (metal strips on the back of the battery) for example when you carry a spare battery in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.
- Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59 F and 77 F). A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. NiMH batteries performance is particularly limited in temperatures below -10°C (14 F). Li-Ion batteries performance is particularly limited in temperatures below -0°C (32 F).
- Do not dispose of batteries in a fire!



Batteries must be recycled or disposed of properly.

Must not be disposed of in municipal waste!

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfill any warranty obligations and to enjoy this product for many years. When using your phone, battery, charger OR any accessory:

- Keep it and all its parts and accessories out of small children's reach.
- Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use or store it in dusty, dirty areas. Its moving parts can be damaged.
- Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store it in cold areas. When the phone warms up (to its normal temperature), moisture can form inside the phone, which may damage electronic circuit boards.
- Do not attempt to open it. Non-expert handling of the device may damage it.
- Do not drop, knock or shake it. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint it. Paint can clog the device's moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorised antennas, modifications or attachments could damage the phone and may violate regulations governing radio devices.
- If the phone, battery, charger or any accessory are not working properly, take them to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Important Safety Information

Traffic Safety

Do not use a hand-held telephone while driving a vehicle. If using a hand-held phone park the vehicle before conversing. Always secure the phone in its holder; do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop.

The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

Remember road safety always comes first!

Operating Environment

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (Held to your ear with the antenna pointing over your shoulder.).

Do not point the infrared beam at anyone's eye or allow it to interfere with other infrared devices.

Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 20 cm (6 inches) be maintained between a hand-held wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemaker:

- Should always keep the phone more than 20 cm (6 inches) from their pacemaker when the phone is switched on;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider.

Other Medical Devices

Operation of any radio transmitting equipment, including cellular phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions.

Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (e.g. electronic fuel injection systems, electronic anti-skid (anti-lock) braking systems, electronic speed control systems, air bag systems).

Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices so require.

Potentially Explosive Atmospheres

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone when at a refuelling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using liquified petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Vehicles

Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the unit.

Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both 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.

Switch off your phone before boarding an aircraft. The use of wireless telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network and may be illegal.

Failure to observe these instructions may lead to suspension or denial of telephone services to the offender, or legal action or both.

Emergency Calls



IMPORTANT! This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions which cannot guarantee connection in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (e.g. medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate cellular signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local cellular service providers.

To make an emergency call:

- 1 If the phone is not on, switch it on.

Some networks may require that a valid SIM card is properly inserted in the phone.

- 2 If the word 'Clear' appears on the display above the  key, press and hold **Clear** for several seconds to ready the phone for calls.
- 3 Key in the emergency number for your present location (e.g. 112 or other official emergency number). Emergency numbers vary by location.
- 4 Press the  key.

If certain features are in use (Keypad lock, Fixed Dialling, etc.), you may first need to turn those features off before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your wireless phone may be the only means of communication at the scene of an accident - do not cut off the call until given permission to do so.