

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.



SWITCH OFF IN HOSPITALS

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



USE SENSIBLY

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



SWITCH OFF WHEN REFUELING

Don't use phone at a refueling 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.



MAKING CALLS

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



USE QUALIFIED SERVICE

Only qualified service personnel must install or repair equipment.



SWITCH OFF IN AIRCRAFT

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



INTERFERENCE

All wireless phones may get interference which could affect performance.



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.



EMERGENCY CALLS

Ensure the phone is switched on and in service. Hold for several seconds, to clear the display. Enter the emergency number, then press . Give your location. Do not end the call until told to do so.



Using This Guide

The wireless phone described in this guide is approved for use in the GSM 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.

 **WARNING!**

Use only batteries, charger 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.

 **WARNING!**

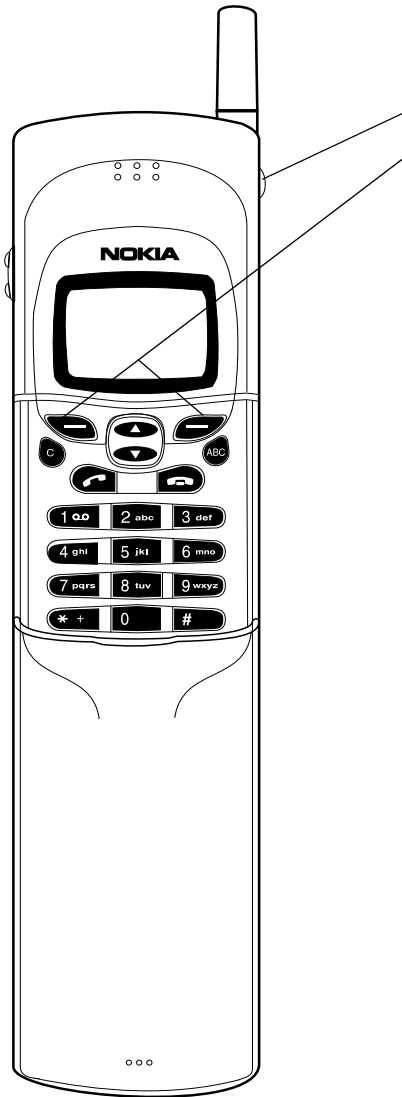
This apparatus is intended for use when supplied with power from ACH-6,CGH-5, CGH-6, LCH-6, LCM-1. Other usage will invalidate any approval given to this apparatus and may be dangerous.

Contents

A Brief Overview of Your Phone	3	The Menu Map	17
Basic Steps in Use of Your Phone.....	6	Menu Functions.....	19
General Functions.....	10	Battery Information	26
In-Call Options.....	12	Care and Maintenance	27
Memory Functions	13	Important Safety Information	28
Using the Menu	16		



1. A Brief Overview of Your Phone




Keys

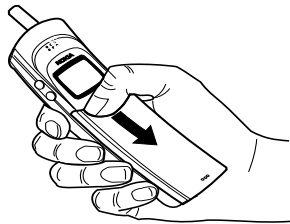
Key	Description
	Switches the phone on and off.
+	Selection keys Each selection key has variable functions indicated by the text at the foot of the display.
+	Scroll through menus, submenus or settings. Browse through memory locations.
	Deletes characters and exits the menu facility and memory functions.
	Switches between alpha mode (where characters and names are entered) and numeric mode (for numeric entry). In the menu facility, this key produces a help text on the current function.
	Dials a phone number and answers a call. With the display clear, this key recalls the most recently dialed number.
	Ends a call and exits the menu facility and memory functions.
	Number and alpha keys.
	Calls your voice mailbox when pressed and held.
+	Used for entering characters and for special purposes in certain functions.
Volume buttons (Side buttons) The upper button increases and the lower button decreases earpiece volume.	


Using The Sliding Cover

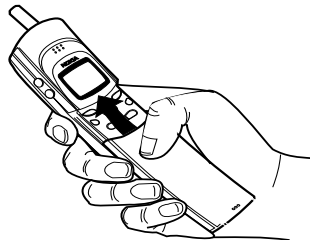
The sliding cover protects the keypad on your phone and can also be used to answer or end a call.

Answering and ending a call

When somebody is calling you, opening the sliding cover partially or fully answers a call after one second. During this time you can reject the call by pressing  or by closing the cover.

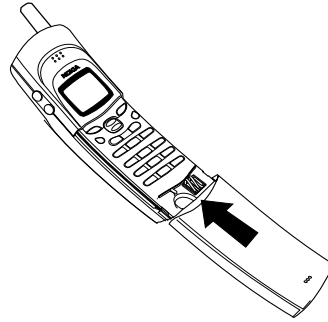


Closing the sliding cover ends or rejects a call. However, if you during a call press the left  (Menu) and then close the sliding cover within a few seconds, the call is not terminated. Closing the sliding cover always exits the menu facility and memory functions.

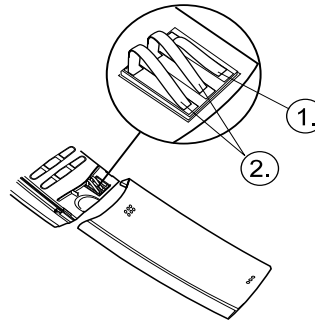


Re-attaching the sliding cover

If the sliding cover accidentally comes off, slide it gently back from the bottom of the phone. See the picture below.



When the sliding cover is off, you will see two types of connectors under the sliding cover:



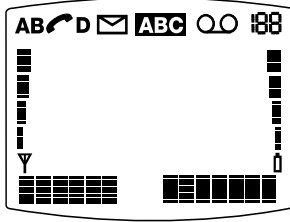
① Recognizes whether the sliding cover is open or closed.

② Microphone connectors of the sliding cover.


These connectors, as well as the connectors at the back of the sliding cover are rust protected and do not cause electric shocks.

Display Indicators


The phone's display is provided with a series of indicators which inform you about the operation of the phone.




A or B Indicates the currently selected memory. "A" refers to SIM card memory and "B" to the phone's internal memory.

 A call is in progress.


D A data call is in progress.


 Steady: you have received a short (SMS) message.
Flashing: Message memory is full.

ABC The phone is in alpha mode. Letters, as well as digits can be entered.

 Indicates that you have received a voice mail message.





188 Indicates one of the following: memory location, menu, submenu or setting option.

 and bar
Indicates the current signal strength at your current location. The higher the bar, the better the signal.

 and bar
Indicates the charge level of the battery. The higher the bar, the better the battery charge. The bar scrolls when battery is being charged.


2. Basic Steps in Use of Your Phone


Your First Call

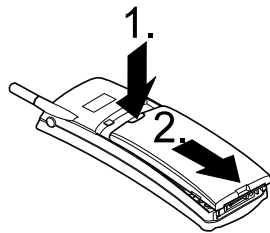
- ① With your phone switched off, insert a valid SIM card into the phone.
See "2. Basic Steps in Use of Your Phone - Installing the SIM card".
- ② If the battery attached to the rear of your phone is not charged, charge the battery by connecting the phone to a charger. The phone may be used during charging.
See "Batteries" on page 8 and "9. Battery Information".
- ③ Open the sliding cover. Switch on your phone by pressing the  key. If the phone displays Enter PIN code#, enter your PIN code provided with the SIM card and press the left  (OK) or .
- ④ The phone automatically sets the display text language according to the information in the SIM-card inserted in the phone.
To change the display text language, see "8. Menu Functions - Phone Settings (Menu 4) - Language (Menu 4 8)".
- ⑤ Key in the area code and the phone number and press .

Installing the SIM card

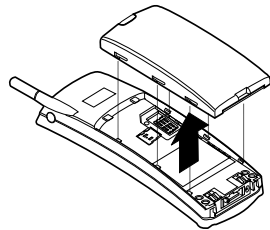
The phone can only be used with a valid miniature plug-in SIM card. The card is supplied by your network operator or service provider.

 **Note:** Keep all miniature SIM cards out of small children's reach.

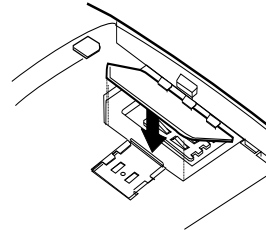
- ① Before installing the SIM card, switch off the phone (using ) and wait for a moment before removing the battery.
- ② At the rear of the phone, press the catch on the top of the battery. Next, slide the battery down.



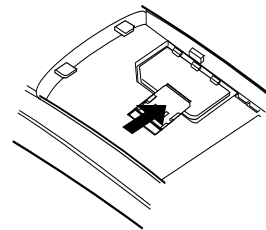
- ③ Lift the battery away from the body of the phone.



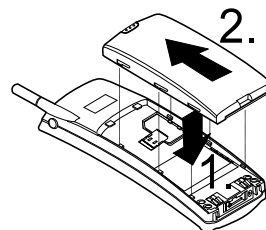
- ④ Place the SIM card onto its place. Make sure that the bevelled corner is top left and the gold contacts of the card face into the phone.



- ⑤ Slide the card holder to the right to keep the card in its place.



- ⑥ Place the battery onto the rear of the phone. Slide the battery up the body of the phone until it locks into place.

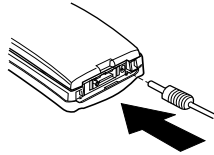


Batteries

Your phone is powered by a rechargeable Li-Ion battery. Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer.

Charging a new battery or recharging a battery by using the Fast Et Light Charger ACH-6

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



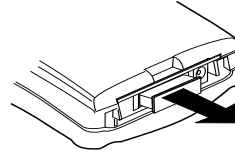
- When the battery is charging, the battery indicator on the right side of the display is scrolling.
- The battery is fully charged when the scrolling stops, the bar appears entirely and the **BATTERY FULL** message is briefly displayed. The phone may be used during charging. The approximate charging time for a BLJ-2 battery is 1-1.5 hours.

- ② When charging is finished, disconnect the charger from the phone and from the power source.

When the charge is low and only a few minutes of talk time remain, a warning tone will be heard and the message **BATTERY LOW** will be repeated at regular intervals on the display. When the charge level becomes too low for operation, the **RECHARGE BATTERY** message will be displayed accompanied by a warning tone and the phone switches itself automatically off.

Note:

The bottom of your phone may have a plastic cap. Before attaching any accessory to the system connector, remove the plastic cap. Remember to replace the cap.



Switching on

- ① Press and hold the **Ⓚ** key to switch on the phone. If the phone displays the prompt **Enter PIN code:** enter the PIN code provided with the SIM card and press the left **— (OK) or #**.
 - Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.
 - If your phone has an extendable antenna, extend your antenna fully. 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.
 - The phone can make and receive calls only when it is switched on, has a valid SIM card inserted and is located in the service area of the cellular network.
- ② If needed, change the language of the display texts by pressing **Menu 48**.


WARNING!

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

Access Codes

There are several access codes that are used by your phone and its SIM card. These codes allow you to protect against unauthorised use of the phone and the SIM card.

When requested to do so, key in the code (appears as asterisks) and press the left **[OK]**. If you make a keying mistake, you can erase the entered digits one by one by pressing the **[C]** key repeatedly.

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

Security Code (5 digits)

The security code is supplied with the phone on an Identification Sticker in the sales package of your phone. The security code allows access to various phone features. Keep the code secret and in a safe place, separate from the phone.

If you key in an incorrect security code **(CODE ERROR)** five times in succession, the phone will not accept new attempts for the next five minutes.

PIN Code and PIN2 Code (4 to 8 digits)

The PIN (Personal Identity Number) code is supplied with the SIM card. It protects the use of the SIM card.

If the PIN code request appears on the display, key in your PIN code and press the left **[OK]** or **[#]**.

If you enter a wrong PIN code three times in succession, the PIN code is disabled and cannot be used any more. Use the PUK code to change the disabled PIN code.

The PIN2 code is supplied with some SIM cards.

The PIN2 code is required to access some functions, such as charging unit counters, which must be supported by the SIM card.

PUK Code and PUK2 Code (8 digits)

The PUK (Personal Unblocking Key) may be supplied with the SIM card.

The code is required when you want to change a blocked PIN code.

The PUK2 code is supplied with some SIM cards.

The code is required when you want to change a blocked PIN2 code.


For more information, contact your network operator.

Barring Password (4 digits)



The barring password is required by the Call Barring network service only. You obtain the code from your network operator when you subscribe to the service.

3. General Functions



Making a Call

Key in the area code and the phone number and press .

International Calls

Press the  twice quickly. The + character will appear.
Key in the country code, area code and phone number and press .



Correcting Keying Mistakes

Delete the last character on the display by pressing . To clear the whole display, press and hold .


Making a Call from Memory

Refer to the Memory Functions section for information about storing phone numbers and names.


Last Number Redial

If there are any characters on the display, clear the display by pressing and holding the  key and press  twice.

Speed Dialling

Key in the number of the memory location (1-9) where you have stored the phone number.
Press .

Voice Mail Key 1

Press and hold the  key.
The phone dials your voice mailbox.
The voice mailbox number must be stored using Menu 2 7 7.

One-Touch Dialling

Press and hold the location number key (2-9). The call is made, the text CALLING and the dialled phone number will appear on the display.

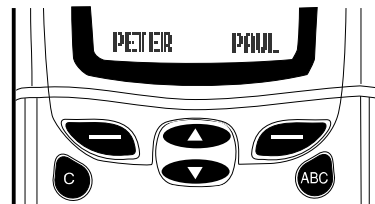
You have to enable this function within Menu 3 7.



Easy Dial Keys



If you have programmed and activated the selection keys to work as dedicated speed dialling keys within Menu 3 8 you can dial either of the programmed phone numbers simply by pressing the respective selection key.

To dial a number with an easy dial key:

- 1 Press the selection key below the name of the person you want to call.





- Once the call is started, you can access menu or memory operations by pressing the left  (Menu) or the right  (Memory).

 **Note:** If you press  or any key, the selection keys are temporarily changed back to normal.



Receiving a Call

When somebody is calling you, the phone will give a ringing tone and the indicator light on the top of the phone and the text **CALL** on the display will flash. If you receive a data or fax call, the phone displays **DATA CALL** or **FAX CALL**. If the caller can be identified, the caller's number (or name if stored in memory) and the text **CALLING** will be displayed instead.

Press the  key or open the sliding cover to answer the call.

End the call by pressing the  key or by closing the sliding cover.


Anykey Answer

If activated in Menu 3 4, you can answer incoming calls by briefly pressing any key (including the volume keys) except for the  or  key.



Adjusting the earpiece volume

You can alter the volume of the phone's earpiece by using the keys on the left side of the phone. The upper key increases the volume and the lower key decreases it.



Keypad lock (Keyguard)


The keyguard prevents the keys, including the  key, from being accidentally pressed.

To lock the keypad:

With the display clear, press the left  key (Menu) and then the  key within two seconds.



To unlock the keypad:


Press the left  key (Unlock) and then the  key within two seconds.



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

Quick Silent

You can put the phone in **Silent** mode for incoming calls with the following shortcut:


With the display clear, press the left  key (Menu) and then the  key within two seconds.

 **Note:** This silent mode is temporary and it does not affect the permanent ringing type selection.

To put the phone back to the original mode, press the left  key (Menu) and then the  key within two seconds, or alternatively, switch off and then switch on the phone.

See also menu 10, Ringing Settings.

4. In-Call Options

Your phone provides a number of control functions that you can use during a call. To access these functions during a call, press and hold the left  (Menu). The in-call options available are (depending on the services you subscribe to):

Mute/Unmute

Switches on/off your phone's microphone, as well as any other microphones connected to it.

Send DTMF

The Dual Tone Multi Frequency tones allow you to communicate with answering machines, computerised telephony systems etc. Make a call to the desired phone number, select **Send DTMF** option and enter memory location number from which you want to send the DTMF.

Hold/Unhold

Allows you to put a currently active call on hold, so that a new call can be initiated. The old call automatically becomes active, when the new call is terminated.

Drop call

Ends the currently active call.

Swap

This function is available when you have both active and held calls. **Swap** transfers the active call to hold and vice versa, so that you may converse with the other party.

Conference/Private

This function lets you make a conference call where up to six persons can take part. Selecting **Conference** allows you to join the participants in the call. To talk privately with one participant, move the highlighted bar to **Private** and select the desired person.

Transfer

If you have one held call and one active call, selecting **Transfer** will connect these calls with each other and disconnect you from both of these calls.

Data/Speech

During a dual mode call, selecting **Speech** while in data mode allows you to switch to voice mode, and selecting **Data** while in speech mode allows you to switch to data mode.

For more information, refer to any documentation or instructions supplied with your data adapter, data application or fax application.

5. Memory Functions

You can store phone numbers and their corresponding names in the SIM card's memory (indicated by "A" in the upper left corner of the display) or the phone's memory (indicated by "B"). You may switch between the memories in Menu 6 1.

The number of standard memory locations available on SIM cards varies from one card to another. The same applies to the length of names and phone numbers which can be stored in the memory locations.

Your phone provides 50 standard ('normal') memory locations numbered from 1 to 50. Each of the locations can hold a name of up to 16 characters and a phone number of up to 30 digits.

Storing a Phone Number with a Name

- ① Key in the phone number.
- ② Press the **ABC** to select alpha mode.
- ③ Select the key labelled with the letter you want. Press it once for the first letter, twice for the second letter and so on. If you want a lower case character, press and hold a key until the character appears in lower case. All further letters will appear in lower case until a key is pressed and held once again.
- ④ Select the other letters in the same way. When entering the same letter (or a letter on the same key) twice, you do not need to wait for the cursor to appear. Simply press the ***^** and select the next letter.

The characters available are shown below:

1QD	- ? ! , . : " ' & \$ £ () / % @ _ 1
2abc	A B C 2 Ä Å Æ Ç
3def	D E F 3 È É Ê Ë
4ghi	G H I 4 Æ Ï Î Ï
5jkl	J K L 5
6mno	M N O 6 Ñ Ò Ó Ô Ø Ö
7pqrs	P Q R S 7 ß š
8tuv	T U V 8 Ü Ú Û Ü
9wxyz	W X Y Z 9
0	0
#	space

- ⑤ Press and hold the right **←** (Memory) until the phone shows *Saved*.

OR

- ① Key in the number and name.
- ② Press the right **←** (Memory).
- ③ Press the left **←** (Save).
- ④ Press the left **←** (OK) or first key in the desired location number and then press the left **←** (OK).

Recalling a Phone Number from Memory

To recall a phone number by name:

- ① Press the right **[←]** (Memory).
- ② Key in the name or its first letter(s).
- ③ Press the right **[←]** (Find).
A list of names appears.
- ④ You can scroll the listed names with **[▲]** or **[▼]**. Pressing the left **[←]** gives you the following options: Move, Send, Ringing, Show, Edit, Erase. The right **[→]** (Next) lets you view the next three names.

Memory Pick-Up

The phone gives you the possibility of finding a name or number by scrolling through the memory instead of keying in a number when you are prompted for a name/number. This is useful e.g. when you want to divert your calls to another number or to send a text message to a number.

At the prompt **Enter Number:** select the phone number by scrolling through the memory with **[▲]** or **[▼]**. Press the **[ABC]** for the corresponding name. Press the left **[←]** (OK).

Business Card

The phone gives you the possibility of sending and receiving SMS messages containing names and phone numbers.

Sending a Business Card

- ① Press the right **[←]** (Memory).
- ② Press the right **[←]** (Find).
A list of names appears.
- ③ Select the number and name which you wish to send. Press the left **[←]** (Option) for options: Move, Send, Ringing, Show, Edit, Erase. Select Send and press the left **[←]** (OK).
- ④ At the prompt **Enter number:** give the number of the recipient and press the left **[←]** (OK).

The phone displays the number to be sent and the text **BUSINESS CARD SENT** will appear after the transmission has been successfully completed.

Receiving a Business Card







When your phone receives an SMS message containing a name and phone number, the text **BUSINESS CARD RECEIVED** will be displayed.

- ① For receiving the message press the left **[←]** (Accept).
- ② Confirm the name and the number received by pressing the left **[←]** (OK).
- ③ The message **SAVE IN LOCATION** and the number of an empty memory location will appear. Press the left **[←]** (OK) to accept the suggested memory location.

If you don't want to save the Business Card press left **[←]** (Quit).

Defining the Desired Ringing Tone for a Phone Number





The phone can be set to sound the desired ringing tone when you receive a call from a particular phone number:

- ① Press the right  (Memory).
- ② Press the right  (Find).
A list of names appears.
- ③ Select the name or number to which you wish to set a ringing tone and press the left  (Option) for options: Move, Send, Ringing, Show, Edit, Erase. Select Ringing and press the left  (OK). The list of ringing tones will appear.
- ④ Select the desired ringing tone and press the left  (OK). The  will appear on the list in front of the name or number.




If you want to change the ringing tone back to the default tone later, select Standard on the ringing tone list.

Locations for Automatically Stored Numbers

Dialled Calls Memory (locations L0- L9)

The phone stores the last ten phone numbers that you have dialled in memory locations L0 to L9. The location number is shown in the upper right corner of the display. To see the numbers press  and scroll through the numbers with  and . Pressing the left  (Option) gives the following options: Edit, Erase Move. See also Menu 1 1.

Missed Calls Memory (locations U0-U9)

The phone can store the last ten phone numbers of unanswered incoming calls, providing the function is supported by your network and the calling phones provide their phone numbers. When the phone informs you about missed calls, press the left  (List) to see the numbers and scroll through the numbers with  or . To view the numbers later, use Menu 1 3.

Received Calls Memory (locations A0- A9)

The phone can store the phone numbers of the last ten callers, providing the function is supported by your network and the calling phones provide their phone numbers. To view the numbers, use Menu 1 2.












6. Using the Menu




The phone offers a set of functions which allow you to tailor the phone to your particular use. These menu functions are arranged in *menus* and *submenus* which can be accessed through the *menu facility*.

In each menu and submenu, you can check and alter the setting of a particular function.

The menus and submenus can be entered by scrolling (Menu Method) or using appropriate shortcuts (Shortcut Method).

Menu Method



- ① Press the left  (Menu) to enter the menu facility.
- ② Press either  or  to scroll the list of menus until you reach the desired menu.
- ③ Press the left  (Select) to enter the menu. If the menu contains any submenus, reach the one you want with  arrow or  arrow.
- ④ Press the left  (Select). The current setting of the function is highlighted.
- ⑤ Press the  or  to scroll the list of setting options until the desired option is highlighted. Pressing the left  (OK) enters submenus and selects options. In some cases, having selected a function or option, you will get a Security Code:, Enter Pin Code:, or Enter PIN2 Code: prompt. In these cases simply enter the corresponding code and press the left  (OK).

Note: The right  (Quit) returns to previous menu level without changing any settings and  or  exits the menu facility completely.

Shortcut Method



All the menus, submenus and settings are numbered. This index number is shown in the upper right corner of the display.


To access a menu function by its shortcut:

Press the left  (Menu), followed by the relevant menu, submenu and setting numbers. For example, press the left  (Menu) and then 3 7 1 to switch on One Touch Dialling.

Help Texts

Most menu functions are provided with a help text which gives a brief description of the displayed function.

To view a help text, move to the required menu function. Either wait for 5 seconds for the scrolling to start automatically or press . If the text is longer than the three lines of the display, press  again.

To exit the help text, press the right  (Quit).

Network Services

Some of the menu functions are network services. These functions can be utilised only if provided by your cellular network. To make use of a network service, you must first subscribe to it. Note that a network service is specific to the SIM card for which you have subscribed it.

Smart Messaging Services

Smart messaging services enables the use of various services offered by operators or service providers. Some of them may be available through the Internet. You can also receive new features over the air such as ringing tones (see page 23, Downloading a new ringing tone) as well as send and receive Business Cards (see page 14).

The services available vary depending on the operator and service provider. Please contact your network operator or service provider for rates and for further information.

7. The Menu Map

① Call Register

- ① Dialed Calls
- ② Received Calls*
- ③ Missed Calls*
- ④ Erase All Recent Calls
- ⑤ Show Call Duration
 - ① Last Call Duration
 - ② All Calls Duration
 - ③ Clear Timers
- ⑥ Show Call Costs*
 - ① Last Call Units
 - ② All Calls Units
 - ③ Clear Counters

② Messages*

- ① Listen to Voice Messages
- ② Read Messages
- ③ Write Messages
- ④ Show Delivery Reports
- ⑤ Service Command Editor
- ⑥ Broadcast Messages
- ⑦ Message Settings
 - ① Message Centre Number
 - ② Messages Sent As
 - ③ Reply via Own Centre
 - ④ Delivery Reports
 - ⑤ Message Validity
 - ⑥ Message Font Size
 - ⑦ Set Voice Mailbox Number

③ Call Options

- ① Call Divert Service*
 - ① Divert All Voice Calls
 - ② Divert When Busy
 - ③ Divert When Not Answered
 - ④ Divert If Not Reachable
 - ⑤ Divert All Fax Calls
 - ⑥ Divert All Data Calls
 - ⑦ Cancel All Diverts
- ② Own Number Sending*
- ③ Call Waiting Service*
- ④ Anykey Answer
- ⑤ Automatic Answer
- ⑥ Automatic Redial
- ⑦ One-Touch Dialling
- ⑧ Easy Dial
- ⑨ Fax or Data Call
- ⑩ Phone Line in Use*

④ Phone Settings

- ① Lights
- ② Keypad Tones
- ③ Warning Tones
- ④ Cell Info Display*
- ⑤ Welcome Note
- ⑥ Restore Factory Settings
- ⑦ Network Selection
- ⑧ Language

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

⑤ **Security Options**

- ① **Pin Code Request**
- ② **Security Level**
- ③ **Call Barring Service***
 - ① Outgoing Calls
 - ② International Calls
 - ③ Int Except to Home Country
 - ④ Incoming Calls
 - ⑤ Incoming Calls if Abroad
 - ⑥ Cancel All Barrings
- ④ **Closed User Group***
- ⑤ **Show Fixed Dial List***
- ⑥ **Fixed Dialling***
- ⑦ **Call Costs Settings***
 - ① Call Costs Limit
 - ② Show Costs in
- ⑧ **Change Access Codes**
 - ① Change Security Code
 - ② Change PIN Code
 - ③ Change PIN2 Code*
 - ④ Change Barring Password*

⑥ **Memory Functions**

- ① **Memory Selection**
- ② **Memory Check**
- ③ **Copy Between Memories**
 - ① From Phone to Card
 - ② From Card to Phone
- ④ **Erase Whole Memory**
- ⑤ **Own Number List***

⑦ **Nokia Services***

- Available Services***
- Nokia Settings*****
 - Nokia Security Number 1**
 - Nokia Security Number 2**
 - Update Nokia Services*****

⑧ **Operator Services***

- Available Services***
- Operator Settings*****
 - Operator Security Number 1**
 - Operator Security Number 2**
 - Update Operator Services*****

⑨ **Service Access***

- Available Services***
- Add New Service*****

①⑩ **Ringling Settings**

- ① **Call Alert**
- ② **Ringling Volume**
- ③ **Ringling Tone**
- ④ **Message Alert Tone**

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

**In this menu you will see the names of the services you have subscribed to.

***The numbering of these submenus varies according to the services you have subscribed to.

8. Menu Functions

These are the menu functions available together with a brief description of what each does. Refer to the preceding information to access these functions.

Call Register (Menu 1)

Dialled Calls (Menu 1 1)

This lets you view the last 10 dialled numbers.

Received Calls (Menu 1 2)

This network feature lets you view the last 10 numbers from which you have received a call.

Missed Calls (Menu 1 3)


This network feature lets you view the last 10 unanswered calls.

Erase All Recent Calls (Menu 1 4)

This erases numbers stored in Menus 1 1, 1 2 and 1 3. The numbers are erased without warning. You cannot cancel the operation so be careful.


Show Call Duration (Menu 1 5)

Displays the call timers, and (by first entering your security code) allows you to clear the call timers.

 **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 1 6)

This network feature lets you view the cost of your last and all calls and (by first entering your PIN2 code), clear the counters.


 **Note:** The actual invoice for calls and services from your service provider may vary, depending upon network features, rounding-off for billing, taxes and so forth.

Messages (Menu 2)

This menu provides you with a quick way to access your voice mailbox and allows you to send and receive short text messages.



The short text message (SMS) function is a network function and may not be supported by your network. To use SMS, you need the contact number for the Message Service Centre (provided by your network operator).

Listen to Voice Messages (Menu 2 1)


Lets you listen to voice messages (if provided by your network). The phone dials the number stored with menu 2 6 7, Set Voice Mailbox Number. Pressing and holding the  key also dials your voice mailbox.

Read Messages (Menu 2 2)

When you have received an SMS message, the text `Message Received` is displayed and the message indicator is on. Received text messages are stored either on the phone or the SIM card, depending on the selected memory (menu 6 1). The phone can store up to two text messages at a time. The storage capacity of the SIM card varies from one card to another.

With the message header on the screen, use  to scroll through message screens. Press the left  (Option) for options: `Read Next`, `Erase`, `Send`, `Use Number` (copies the phone number from the message), `Edit` (you can make changes in the message) or `Reply`.

Write Messages (Menu 2 3)

Within this menu, you can write and edit text messages of up to 160 characters. When the message is completed, press the left  (Option) for options: `Save`, `Send` or `Erase`.



Show Delivery reports (Menu 2 4)

This network feature lets you check if your message has been sent or not.

Service Command Editor (Menu 2 5)

Within this menu you are able to compose and send alphanumeric messages to the network. These messages can be up to 182 characters long.

Broadcast Messages (Menu 2 6)

This network feature lets you activate/deactivate broadcast message receiving. By selecting **On**, you will receive messages on the active topics. You can edit the topic list, and you can mark the topics active/inactive.

Message Settings (Menu 2 7)

Message Centre Number (Menu 2 7 1)

Sets the message centre number. You obtain the number from your network operator.

Messages Sent As (Menu 2 7 2)

The network may be able to convert the message to different formats, e.g., E-mail, FAX, X.400.

Reply via Own Centre (Menu 2 7 3)

This network feature allows the recipient of your SMS message to send a reply using the same message centre that you used.

Delivery Reports (Menu 2 7 4)

Allows you to set the reports function to on or off if supported by the service center. When this is on, the network informs you if message sending has succeeded or failed.

Message Validity (Menu 2 7 5)

This network feature allows you to set the time period that your messages are stored at the Message Service Centre while attempts are made to deliver them.

Message Font Size (Menu 2 7 6)

The font size can be standard or large.

Set Voice Mailbox Number (Menu 2 7 7)

You can set the number which is dialled when you enter the menu 2 1, Listen to Voice Messages or press and hold the **(100)** key.

Call Options (Menu 3)

Call Divert Service (Menu 3 1)

This network service lets you direct incoming calls to your voice mail (only voice calls) or to another phone number. For each of the call forwarding options you choose **Activate**, **Cancel** or **Check**.

Own Number Sending (Menu 3 2)

This specifies whether or not to display your phone number to the person you are calling. **Presets** resets the phone to the default setting (**On** or **Off**) that you have agreed upon with your network operator.

Call Waiting Service (Menu 3 3)

When this network service is activated, you receive a tone during a call to let you know that you have a waiting call.

Anykey Answer (Menu 3 4)

With this on, you can answer an incoming call by pressing any key except **(0)** and **(*)**.

Automatic Answer (Menu 3 5)

When this is on, your phone automatically receives an incoming call after one ring. You can use this function only with a headset or with car kits which are equipped with the ignition sense option.

Automatic Redial (Menu 3 6)


When this is on, the phone will make a max. of ten attempts to connect with a phone number after an unsuccessful call attempt.

One-Touch Dialling (Menu 3 7)

When this is on, you can dial phone numbers stored in memory locations 2-9 by pressing and holding the particular number key.




Easy Dial (Menu 3 8)

This menu allows you to program and activate/deactivate the two selection keys for dialling the desired phone numbers. At the prompt Label11/Label12 key in the name and number and press the left  (Save).

Fax or Data Call (Menu 3 9)

With this menu, you can send data when you have a terminal connected. For more information, refer to any documentation or instructions supplied with your data adapter, data application or fax application.

The transceiver is provided with a plastic cap protecting the data adapter connector. Remove the cap and then connect the terminal.


 **Note:** Keep the cap out of small children's reach! Always remove the cap whenever you may have small children in your vehicle.

Phone Line in Use (Menu 3 10)

The SIM card may be used with two subscriber numbers, 'phone lines' (network service). Calls can be received on either number and you can have separate ringing tones, call timers, voice mailbox numbers and divert to different phone numbers. Within this menu you can change the active line, which can be used for making calls, but both lines can be used for receiving calls. The line indicator in the top right of the display will confirm which line is currently active, "L1" or "L2".

Phone Settings (Menu 4)

Lights (Menu 4 1)

With lights on () , the keypad lights come on when you press a key or have an incoming call, and go off 15 seconds later.

Keypad Tones (Menu 4 2)

You can select the volume level or turn off the phone's key press tone.

Warning Tones (Menu 4 3)

You can turn the warning tones on or off.

Cell Info Display (Menu 4 4)

When this is on, the phone indicates when it is used in a cellular network based on Micro Cellular Network (MCN) technology (network service).

Welcome Note (Menu 4 5)

This menu allows you to set the note (max. 30 characters) which is shown when the phone is switched on.

Restore Factory Settings (Menu 4 6)

This menu allows you to set the phone settings to their default values (by first entering your security code).


Network Selection (Menu 4 7)

This menu lets you select a network either automatically or manually.

Language (Menu 4 8)

You can choose the language your phone uses for all of its displays. When *Automatic* is selected, the language is chosen according to the language of the SIM card.

Security Options (Menu 5)

 **Note:** When security features which restrict calls are in use (call barring, closed user group and fixed dialling), calls may be possible to certain emergency numbers in some networks (e.g. 112 or other official emergency number).

Pin Code Request (Menu 5 1)

You can select whether PIN is prompted when the phone is switched on (by first entering your PIN code).


Security Level (Menu 5 2)

This menu allows you to set the security level of your phone (by first entering your security code):

None, *Memory* (security code required when memory B is selected) or *Phone* (security code required when a new SIM card is inserted).


Call Barring Service (Menu 5 3)

This network service allows you to restrict your calls. For this function you need the network password. For each of the barring options you specify **Activate**, **Cancel** or **Status**.

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

Closed User Group (Menu 5 4)

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

 **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).


Show Fixed Dial List (Menu 5 5)

This network service allows you to view the contents of the fixed dialling list created with Menu 5 6.

Fixed Dialling (Menu 5 6)


This function restricts your calls to a pre-determined set of phone numbers. To save and edit numbers on the list, you need the PIN2 code.

This function works only with a SmartCard that supports it.

 **Note:** When the 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).

Call Costs Settings (Menu 5 7)

This network service allows you to limit the total costs of your outgoing and incoming calls and to select the unit of currency in which call costs are displayed. To set these functions, you need the PIN2 code.

 **Note:** The actual invoice for calls and services from your service provider may vary, depending upon network features, rounding-off for billing, taxes and so forth.

Change Access Codes (Menu 5 8)

With this menu, you can change the access codes. The phone prompts you to enter the current code and the new code. It also prompts you to verify the new code.

Memory Functions (Menu 6)

Memory Selection (Menu 6 1)

You can select either the card's memory A or the phone's memory B.

Memory Status (Menu 6 2)

You can view the number of full and empty memory locations in both memories.

Copy between Memories (Menu 6 3)

This menu allows you to copy phone numbers and names between the phone's and card's memory either one by one or all together.

Erase Whole Memory (Menu 6 4)


This erases phone numbers and names from all locations of the currently selected memory.


Own Number List (Menu 6 5)

This allows you to view, add, edit and erase phone number(s) assigned to the SIM card.

Nokia Services (Menu 7)

This menu allows you to use the different services offered by Nokia service provider. Availability of Nokia services may vary and you may need to subscribe to them. Please contact your service provider for rates and for further information.


To get the list of available services, or to update your list later, select the menu UPDATE NOKIA SERVICES and press the left  (Select): a request for the list of available services will be sent. The Nokia Security Number 1 and the Nokia Security Number 2 are stored in the NOKIA SETTINGS menu. Do not remove them; when you receive a message, the phone checks whether it is sent from the authorised source specified in this menu.


To use a service, select the desired menu item on the list by pressing the left  (Select). When you select an item on the list, the following responses are possible: a call is made; an SMS message is sent; an information request is sent.


Downloading a new ringing tone from the network





The phone enables you to download a new ringing tone from the network if supported by network operator and Nokia service provider.


To download a ringing tone:


- ① Select Ringtones service and press the left  (Select). The phone will send a request for the list of available ringing tones and the following texts will be displayed:
SENDING MESSAGE... (the phone is sending your request) MESSAGE SENT (your request is received).


 **Note:** In order to be able to select Ringtones, you must first get the list of available services as described above.

- ② When the reply is received, you will get the notification REPLY FROM NETWORK RECEIVED. Press the left  (Accept) to open the reply form.

- ③ Press the left  (Select) to get the list of available ringing tones. You can scroll through the list with the  and  keys. Select the desired tone and press the left  (OK).

- ④ When the text Get ringtone is displayed, press the left  (Send). The phone will send a form requesting the selected ringing tone and the following texts will be displayed:
SENDING FORM... (the phone is sending your request) MESSAGE SENT (your request is received).

 **Note:** If you want to save a service as a bookmark, you must save it before sending a request for more information to the network. To save a form, refer to the paragraph entitled Saving a form, page 25. The form will be saved in menu 9, Service Access.

When your phone receives the ringing tone the text RINGING TONE RECEIVED will be displayed. To download the ringing tone, press the left  (Accept). Select Playback to play the new ringing tone and Save to save it in the ringing tone list.

Operator Services (Menu 8)

This menu allows you to use the different services offered by the operator. Availability of operator services may vary and you may need to subscribe to them. Please contact your dealer or operator for rates and for further information.

To get the list of available services, or to update your list later, select the menu `UPDATE OPERATOR SERVICES` and press the left `[Left Arrow]` (Select). In order to get the list of available services, you must have the Operator Security Number 1 and the Operator Security Number 2 stored correctly in the `OPERATOR SETTINGS` menu. Information concerning the settings must be obtained from the access provider upon subscription to this service.

To use a service, select the desired menu item on the list by pressing the left `[Left Arrow]` (Select). When you select an item on the list, the following responses are possible: a call is made; an SMS message is sent; an information request is sent. As to the basic guidelines on using a service, you may find it helpful to see page 23, Downloading a new ringing tone from the network..

Note: If you are using a network other than your home network, for example while you are travelling, some services may not be available.

Service Access (Menu 9)

Your phone allows you to access various information services. Some such services may be available through the Internet and, although your phone does not support full Worldwide web browsing, you may be able to access certain Internet services directly from your phone. Please contact your service provider for the information they supply.

Available Services

This menu displays a list of available services you have saved in menu 9. If the list is empty, a service address has to be defined first in the Add New Service menu or a bookmark has to be saved (in menus 7 or 8).

Add New Service Menu

To add a new service address, select `ADD NEW SERVICE` menu and give the following information: `title#` (give the name of the service), `server number#` (give the number of the server) and `application#` (give the number of the service). You will get this information from your service provider.

A service address can also be sent from the network. When there is a new service address arriving the text `NEW SERVICE#` and the name of the service will be displayed.

To add this new service address to the list, press the left `[Left Arrow]` (Option) for options: `Accept` (to save this new service) and `Info` (to get more information before saving). Press the right `[Right Arrow]` (Quit), if you don't want to save this new service.

If there is no room for this new service address, the text `ERASE ONE OF THE OLD ONES FIRST` and the list of the current service addresses will be displayed. To remove a service address, press the left `[Left Arrow]` (Erase). The text `SAVED` will be displayed when the new service address is successfully saved.

Using Services

To access a service defined in menu 9, select the desired item on the list by pressing the left `[Left Arrow]` (Option) for options:

`Connect` (the phone will send a form requesting information), `Edit` (you can change the settings of a service address), `Erase` (removes the selected item from the list).

When you select **Connect**, you will be asked to enter a keyword at the prompt **Enter Keyword:**. Enter a keyword and press the left **⏪** (**OK**). If you don't wish to enter any keyword, simply press the left **⏪** (**OK**).

The phone will send an information request form and the following texts will be displayed: **SENDING FORM...** (the phone is sending your request) **MESSAGE SENT** (your request is received) **WAIT...** (you will receive a reply soon).

If there is a delay in the response, the text **REPLY WILL FOLLOW LATER** will be displayed. When the reply is received, you will get the notification **REPLY FROM NETWORK RECEIVED**.

To open the received form, press the left **⏪** (**Accept**). You can scroll through the form with the **⏴** or **⏵** keys and you can type both letters and numbers when filling in the form. Some of the services require your answer. In such cases the left **⏪** (**Send**) is displayed on your phone. To send your request for more information on a service, press the left **⏪** (**Send**).

To access a service saved as a bookmark (that is, via a saved form), select the desired item and press the left **⏪** (**Option**) for options: **Erase** (removes a bookmark from the list) and **Select** (activates the selected bookmark).

Saving a form

Once you have received a reply form, you can save it in your phone's memory, and it provides you with a quick way of accessing that service.

The following actions have to be performed in order to save a form:

- ① Scroll to the end of the form with the **⏵** key. The text **SAVE THE FORM?** will be displayed.
- ② Press the left **⏪** (**OK**) to save the form.

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

- ③ Give a name for the bookmark. The text **FORM SAVED** will appear after saving has been successfully completed.

If you wish to get more information on this particular form, press the **⏵** key when in the **SAVE THE FORM?** display. The text **MORE INFO?** will be displayed.

Ringing Settings (Menu 10)

Call Alert (Menu 10 1)

This allows you to select the indication mode for incoming calls: **Ring**, **Ring once**, **Beep once**, **Silent**. See also page 10, **Quick Silent**.

Ringing Volume (Menu 10 2)

This allows you to select the ringing volume level. You hear each ringing level as you scroll through the volume levels.

Ringing Tone (Menu 10 3)

This allows you to select a ringing tone pattern. The phone plays a sample of each pattern as you scroll.

Message Alert Tone (Menu 10 4)

This allows you to select a message tone pattern. The phone plays a sample of each pattern as you scroll.

9. Battery Information

A new battery's full performance is achieved only after two or three complete charge and discharge cycles!

The battery can be charged hundreds of times, but it will gradually wear out. When the operation time (talk-time and standby 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.

Temperature extremes will affect the ability of your battery to charge: allow it to cool down or warm up first.

Note:

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.

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.

10. 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 is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

11. 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).

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 handheld 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 pacemakers:

- 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 cellular 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. Press and hold the  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 (Keyguard, Call Restricting 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.