

# **Owner's Guide for Nokia 5510**

## ■ List of menu functions

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7. Assign tone
8. Send b'card
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  1. Last call cost
  2. All calls' cost
  3. Clear counters
7. Call cost settings
  1. Call cost limit
  2. Show costs in
8. Prepaid credit

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1. Shown only if supported by your SIM card.

2. The amount and names of sets may vary. Each set appears in its own submenu.

3. The shortcut number depends on the amount of sets available.

4. May not be shown if the voice mailbox number has been saved on the SIM card by your network operator or service provider.

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4. Stopwatch
5. Countdown timer
6. Auto update of date and time

## 13. Profiles

## 14. Services

## 15. SIM services<sup>3</sup>

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1. Shown only if the phone is connected to the HDD-2 headset.

2. The divert options that are not supported by your network operator may not be shown.

3. The availability, name, and contents depend on the SIM card used.

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The availability of particular accessories may vary by market. Please check with the Nokia dealer nearest to you.

Issue 1

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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.



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



## ROAD SAFETY COMES FIRST

Don't use a hand-held phone while driving.



## INTERFERENCE

All wireless phones may get interference, which could affect performance.



## SWITCH OFF IN HOSPITALS

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



## SWITCH OFF IN AIRCRAFT

Wireless devices can cause interference in aircraft.



## SWITCH OFF WHEN REFUELLING

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



## SWITCH OFF NEAR BLASTING

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



## USE SENSIBLY

Use only in the normal position. Don't touch the antenna unnecessarily.



## QUALIFIED SERVICE

Only qualified personnel may install or repair phone equipment.



## ACCESSORIES AND BATTERIES

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



## WATER-RESISTANCE

Your phone is not water-resistant. Keep it dry.



## BACKUP COPIES

Remember to make backup copies of all important data.

## FOR YOUR SAFETY






### CONNECTING TO OTHER DEVICES

When connecting to any other device, read its user's guide for detailed safety instructions. Do not connect incompatible products.





### CALLING

Ensure the phone is switched on and in service. Enter the phone number, including the area code, then press  (**Call**). To end a call, press  (**End**). To answer a call, press  (**Answer**).



### EMERGENCY CALLS


Ensure the phone is switched on and in service. Press  as many times as needed (e.g. to exit a call, to exit a menu, etc.) to clear the display. Enter the emergency number, then press  (**Call**). Give your location. Do not end the call until told to do so.



# General information

## ■ Stickers in the sales package

The stickers contain important information for service and customer support purposes.

Attach the  sticker to Your details page of this Owner's guide.

## ■ Network Services

The wireless phone described in this guide is approved for use on the GSM 900 and GSM 1800 network.

Dualband is a network dependant feature. Check with your local service provider if you can subscribe to and use this feature.

A number of features included in this guide are called Network Services. These are special services that you arrange through your wireless service provider. Before you can take advantage of any of these Network Services, you must subscribe to them through your service provider and obtain instructions for their use from your service provider.



**Note:** Some networks may not support all language-dependent characters and/or services.

## ■ Accessories and batteries

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from the ACP-7 Standard Charger, the ACP-8 Travel Charger, the LCH-9 Mobile Charger, or the DDC-1 Battery Charging Stand.



**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 may 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.




## ■ Access codes

With the access codes below, you can avoid unauthorised use of your phone and SIM card.

- **Security code:** Protects your phone against unauthorised use. This code is supplied with the phone. The preset code is 12345.

Change the code and set the phone to request it using the *Change access codes* and *Security level* functions of the Security settings menu (see [page 31](#)). Keep the new code in a safe and secure place, separate from the phone.

- **PIN code:** This code, supplied with the SIM card, protects the card against unauthorised use. If the *PIN code request* function of the Security settings menu (see [page 31](#)) is set on, you are prompted to type in the code when you switch on the phone.





If you enter an incorrect PIN code three times in succession, the SIM card is blocked. Type in the PUK code and press  (OK). Type in a new PIN code and press  (OK). Type in the new code again and press  (OK).





- **PIN2 code:** This code is supplied with some SIM cards and is required to access some functions, such as charging unit counters. If you enter an incorrect PIN2 code three times in succession, you are asked for the PUK2 code.
- **PUK and PUK2 code:** These codes may be supplied with the SIM card. If this is not the case, contact your local service provider.

# 1. Getting started

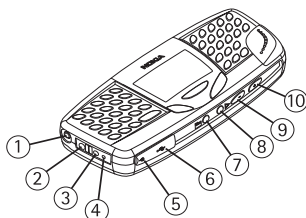
## ■ Keys and connectors

The basic functions of the phone keys are described below. More information about keys is given throughout this Owner's guide.

The **power key**  (on the right side of the phone) switches the phone on or off when pressed and held. The **scroll keys**  and  browse through the names and phone numbers saved in the phone book. The **clear/exit key**  deletes characters from the display and exits from different functions.

The function of the **Nokia Navi™ key** () depends on the text shown above it. In this Owner's guide, the  symbol is followed by the related guiding text, such as  (**Menu**) or  (**Select**).

Your phone can be connected to different compatible devices, and it has several connectors and special keys on its sides:



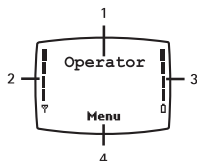
1. Connector for the black marked HDD-2 headset cable (headphones)
2. Connector for the charger cable
3. Connector for the grey marked HDD-2 headset cable (microphone)
4. Internal microphone
5. Connector for the ADE-2 audio line in cable
6. Connector for the DKE-2 connectivity cable for PC connection
7. Radio key
8. Music player key
9. Volume down key
10. Volume up key

## ■ Display and standby mode

The indicators described below are shown when the phone is ready for use, and you have not typed in any characters. This screen is called 'standby mode'.

## Getting started

1. Indicates in which cellular network the phone is being used.

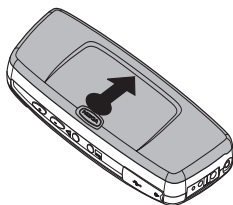


2. Shows the signal strength of the cellular network at your current location.
3. Shows the battery charge level.
4. Shows the current function of the Nokia Navi™ key (⏏).

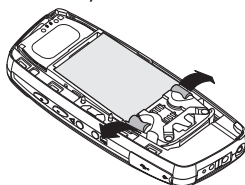
## ■ Inserting a SIM card

- 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, make sure that the phone is switched off and then remove the battery.

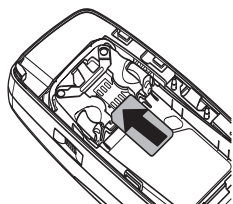
1. Press the locking catch, slide the cover, and lift the cover off.



2. Press the two catches in opposite directions and remove the battery.



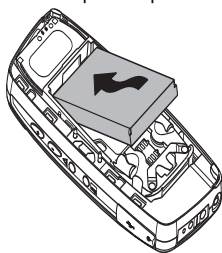
3. Slide the SIM card carefully into the SIM card slot.



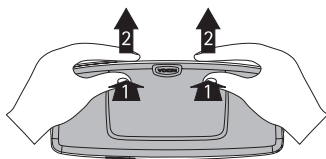
Make sure that the golden connectors on the card are facing downwards and that the bevelled corner is on the left.

4. Align the golden connectors on the battery with the corresponding connectors on the phone, and push the

opposite end of the battery until it snaps into place.



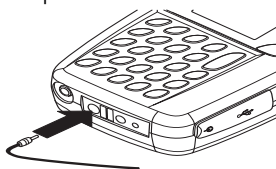
5. Insert the catches of the back cover in the corresponding slots in the phone and slide the cover until it locks into place.



## ■ Charging the battery

- Do not charge the battery when the cover of the phone is removed. See also [Battery statements on page 56](#).
- When the battery level is low and only a few minutes of operating time remain, a warning tone will sound. If you do not connect the phone to a charger when the battery level becomes too low for operation, the phone switches itself off.

1. Connect the charger cable to the socket on the left side of the phone.



2. Connect the charger to an AC wall outlet. The battery indicator bar starts scrolling.

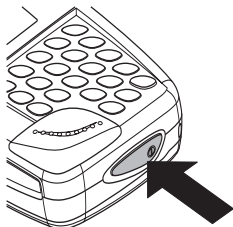
- Charging the battery supplied with the phone may take up to 3 hours 45 minutes when using the ACP-7 charger.
- If **Not charging** is displayed, wait for a while, disconnect the charger, plug it in again, and retry. If charging still fails, contact your dealer.

3. When the battery is fully charged, the bar stops scrolling. Disconnect the charger from the AC outlet and the phone.

Note that you can use the phone during charging.

## ■ Switching on or off

Press and hold the **1** key for one second.



If the phone requests a PIN code or security code when switching on:

Type in the code and press **(OK)**.



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

### TIPS ON EFFICIENT OPERATION:



Your phone has a built-in antenna. 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. Not touching the antenna area during a phone call optimises the antenna performance and the talktime of your phone.

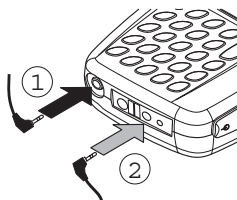
## ■ Attaching and using the headset

You can listen to the FM Radio or the Music player in your phone with the supplied stereo headset HDD-2.



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

### To connect the HDD-2 headset



Insert the end of the black headset cable into the black connector (1) on the left side of the phone. Similarly, insert the end of the headset cable that is marked grey into the grey connector (2).

The headset lead functions as the antenna of the radio, so let it hang freely.





**Warning!** Listening to music at a high volume may damage your hearing. To adjust the volume level in the headset, press the Volume up or Volume down key on the side of the phone.

### To use the headset to receive and make calls

To answer a call while using the headset, press the remote control button which is located in the microphone part of the headset. To end the call, again press the same button.

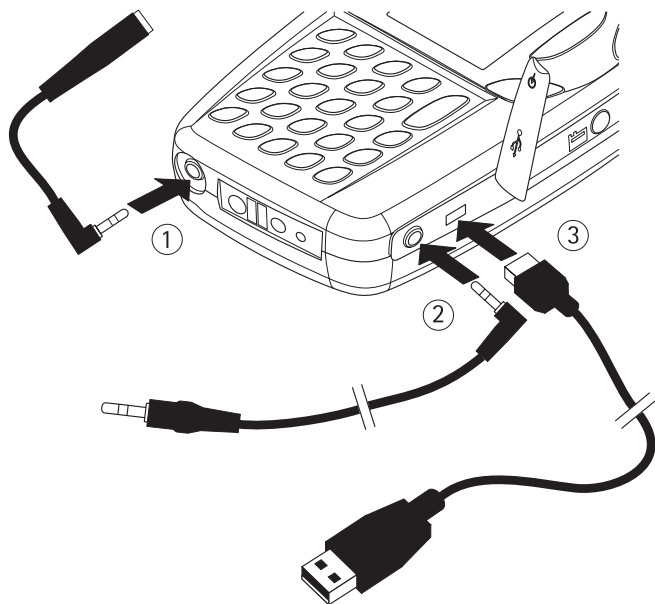
If you have saved voice tags to certain phone numbers in your phone book, you can also make calls using the headset. Press and hold the headset key until you hear a short tone. Say the voice tag. The phone dials the corresponding phone number.

To receive calls with a headset other than HDD-2: On standby mode, press  (**Answer**). To divert or reject the call, press . You can listen to the caller's voice in your headset, and you will need to talk into the phone's microphone. Note that it is always safest to use the HDD-2 headset.

## ■ Attaching and using the supplied cables

With the sales package, you receive three cables that you can use with your Nokia 5510 phone.


1. To use a compatible audio headset other than HDD-2, attach the supplied ADA-2 Audio Adapter Cable (number 1 in the picture below) to the 35 mm headset and insert the adapter in the phone. Note that it is safest to use the supplied headset.
2. You can connect your phone to an external audio system (for example, a CD player) by using the supplied ADE-2 Audio Line In Cable (number 2 in the picture).
3. You can use Nokia Audio Manager to handle your sound files. To attach the phone to your PC, use the supplied DKE-2 Connectivity Cable (number 3 in the picture below).






## 2. Basic functions


### ■ Making a call

1. Type in the phone number (including the area code) using the number keys. If you make a mistake, press  to delete the character to the left of the cursor.




To make an international call: Add the + character and country code in front of the area code (delete the leading 0 if necessary).

2. Press  (**Call**) and wait for an answer.

To adjust the earpiece or headset volume: Press the Volume up or Volume down key on the bottom side of the phone (see the picture [on page 11](#)) to increase or decrease the earpiece volume.



3. Press  (**End**) to finish the call or to cancel the call attempt.

### Making a call using the phone book




In standby mode, press  (**Menu**) and then  (**Select**) twice. Type in the first letter of the name and press  (**OK**). Scroll

with  or  to the desired name and press  (**Call**).



**Quick find:** Press  in standby mode. Scroll to the desired name and press  (**Call**).



### Redialling

To redial one of the last 20 phone numbers you have called or attempted to call: Press  once in standby mode, scroll with  to the desired phone number or name, and press  (**Call**).



### Voice dialling

You can dial a phone number by saying one or more words attached to it. See the *Voice tags* function in the Phone book menu (see [page 21](#)).

### ■ Answering a call

In standby mode, press  (**Answer**). To divert or reject the call, press .

### ■ In-call functions

During a call, press  and then  (**Options**) for the following functions (some of them are network services): *Mute/Unmute*,

*Hold / Unhold, Send DTMF, New call, Answer, Reject, Swap, End active call, End all calls, Phone book, Send.*






All these functions are not available at the same time.

*Swap* switches between the active call and the call on hold.





## ■ Listening to voice messages

In standby mode, press and hold the number key 1 to call your voice mailbox. You can obtain the voice mailbox number from your service provider.

## ■ Storing a phone number in the phone book

In standby mode, press  (**Menu**) (*Phone book* is displayed) and then press  (**Select**). Scroll to *Add name* and press  (**Select**). Type in the desired name (see [Writing text](#) below) and press  (**OK**). Type in the area code and phone number, and press  (**OK**).






**Quick save:** In standby mode, type in the phone number. Press  or  and then  (**Save**). Type in the name and press  (**OK**).

## ■ Writing text

You can type in numbers and letters just like with any other keyboard.





1. When writing text, press a key marked with the desired character.
2. To insert special characters:
  - Press the Chr key to open a table of special characters, from which you can select the character that you want to insert. **OR**
  - Press and hold the Chr key while pressing a letter key. The first special character is displayed. Continue to hold down the Chr key and press the letter key again, repeating until you find the character you want to add or the first special character is again displayed. The special characters are not marked on the keyboard.
3. You can use the following keys to edit text:
  - To write upper case letters or special characters marked in the number keys, press the Shift key and then press the desired key. You can also press the Shift key simultaneously with the keys.

- To move the cursor left or right, press  or , respectively.
- To delete the character to the left of the cursor, press . To clear the display, press and hold this key.


## ■ Speed dialling

Speed dialling is an easy way to call a phone number that has been assigned to a number key (2 to 9).

**Assigning a phone number to a number key**


Press  (**Menu**) twice in standby mode. Scroll to *Speed dials* and press  (**Select**). Scroll to the desired key and press  (**Assign**). Scroll to the desired name or phone number and press  (**Select**).

**Speed dialling a phone number**


- Either: In standby mode, press a number key and then  (**Call**).
- Or: If you have set on the *Speed dialling* function (see [Call settings \(Menu 6-1\) on page 30](#)), press and hold a number key in standby mode.

## ■ Locking the keypad


The keypad lock prevents the keys from being accidentally pressed.

**To turn the lock on or off:** In standby mode, press  (**Menu**) and then press the Space key quickly.

**When the keypad is locked:**

- The indicator  is shown.
- You can answer, end, or reject a call in the normal way. During a call, you can operate the phone as usual.
- The HDD-2 headset can be used as usual.
- You can listen to the radio or the music player.
- The keys located on the side for Radio, Music player, Volume up, Volume down are also locked.











**Note:** When the keypad is locked, calls may be possible to the emergency number programmed into your phone (e.g. 112 or other official emergency number). Type in the emergency number and press  (**Call**). The number is displayed only after you have keyed in its last digit.

## 3. Menu functions

The phone offers a range of functions that allow you to tailor it to your needs. These functions are arranged in menus.


### ■ Accessing a menu function

#### By scrolling



1. Press  (**Menu**) in standby mode.
2. Press  or  to scroll to the desired main menu (for example, *Settings*) and press  (**Select**) to enter it.
3. If the main menu contains submenus, scroll to the desired one (for example, *Call settings*) and press  (**Select**) to enter it.
4. Scroll to the desired function (for example, *Speed dialling*) and press  (**Select**) to enter it.
5. Scroll to the desired setting (for example, *Off*) and press  (**OK**) to confirm it. If you do not want to change the setting, press .

#### By shortcut

The menus, submenus, and setting options are numbered and can be accessed by entering their shortcut number. The shortcut number is shown in the top right corner of the display.



Press  (**Menu**). Within three seconds, type in the shortcut number of the menu that you want to access (repeat this for a submenu). Within three seconds, type in the shortcut number of the desired function and setting option.




### ■ Exiting a menu function






You can return to the previous menu level by pressing  or exit the menu by pressing and holding .

## ■ Phone book (Menu 1)


In this menu, you can manage the names and phone numbers in the phone and the SIM card.


**To access this menu:** In standby mode, press  (**Menu**) and then  (**Select**).

To access this menu during a call, press  to change the text above  to **Options**, press  (**Options**), and select *Phone book*.


- **Search:** You can recall the desired name and phone number from the phone book to make a call, for example (see [Making a call using the phone book on page 17](#)).  
When you browse through the names and phone numbers,  is shown in the top right corner of the display if the selected name or phone number is saved in the SIM card.
- **Service Nos.:** Calls the service number of your service provider, which is saved in your SIM card.
- **Add name:** You can save a name and phone number in the phone book (see also [Storing a phone number in the phone book on page 18](#)).
- **Erase:** You can delete names and phone numbers from the selected phone book one by one or all at once.
- **Edit:** You can modify the names and phone numbers saved in the phone book. Scroll to the desired name or phone number, and press  (**Edit**). Edit the name and press  (**OK**). Edit the phone number and press  (**OK**).
- **Copy:** You can copy or move names and phone numbers from the phone to the SIM card (or vice versa) one by one or all at once.
- **Assign tone:** You can set the phone to play the desired ringing tone when you receive a call from a particular phone number. Scroll to the caller's name or phone number, press  (**Assign**), and select the desired ringing tone.
- **Send b'card:** You can send a name and phone number ('business card') as a text message to a compatible phone.
- **Options - Memory in use:** You can select whether the names and phone numbers are saved in your phone or the SIM card. Note that when you change the



SIM card, the *SIM card* option is automatically selected.

- *Options - Type of view*: You can select the way the saved phone numbers and names are displayed.
- *Options - Memory status*: Shows how many names and phone numbers can still be saved and are currently saved in the phone and the SIM card.
- *Speed dials*: You can set the desired number key (2 to 9) to work as a speed dialling key. Scroll to the desired key, press  (**Assign**), and select a name or phone number. See also [Speed dialling on page 19](#).
- *Voice tags*: You can dial a phone number by saying one or more words that you have attached to it as a 'voice tag'. The voice tag can be, for example, a name, and you can record a voice tag to eight phone numbers in the phone book. You can also listen to, change, or erase the recorded voice tags.

**To record a voice tag:** Select *Add voice tag*, select the desired name or phone number, and press  (**Start**). Hold the phone in the normal position and say clearly the

word(s) you want to record as a voice tag.

**To make a call using a voice tag:** In standby mode, press and hold  (**Menu**). Say the desired voice tag clearly while you hold the phone in the normal position near your ear. The phone plays the voice tag and dials the corresponding phone number. Note that the phone must be in a service area with adequate cellular signal strength.

If no match for the voice tag is found or recognised, press  (**Yes**) to say the voice tag again or  to return to standby mode.

If you use the HDD-2 headset, press and hold the remote control button located in the microphone part of the headset until you hear a short tone. Say the voice tag clearly.

Note that voice tags are stored in the phone and removed when you insert another SIM card into the phone.

**Before using voice dialling, note that:**

- Voice tags are not language dependent. They are dependent on the speaker's voice.

- Voice tags are sensitive to background noise. Record them and make calls in a quiet environment.
- When recording a voice tag or making a call by saying a voice tag, hold the phone in the normal position near to your ear.
- Very short names are not accepted. Use long names and avoid similar names for different numbers.



**Note:** You must say the name exactly as you said it when you recorded it. This may be difficult in, for example, a noisy environment or during an emergency, so you should not rely solely upon voice dialling in all circumstances.

## ■ Messages (Menu 2)



In this menu, you can create and send messages as well as view and adjust settings related to text, picture, and voice messages.

**To access this menu:** In standby mode, press (**Menu**), scroll to **Messages**, and press (**Select**).


## Writing and sending a text message (Write messages – Menu 2-1)

You can write and send multi-part text messages of almost up to three ordinary text messages in length (network service). Invoicing is based upon how many ordinary messages are needed for any multi-part message.

To send a message, the phone number of your message centre must be saved in the phone. See [Message settings \(Menu 2-7\) on page 26](#).

To exit this menu at any time and return to standby mode, press and hold twice. Alternatively: Press (**Options**), scroll to **Exit**, and press (**OK**).

1. Write the message (see [Writing text on page 18](#)). The number of available characters and the current part number are shown in the top right corner of the display.
2. When the message is complete, press (**Options**), select **Send**, type in the recipient's phone number, and press (**OK**). You can also select the recipient from your **Phone book**: Press **Search**, scroll to the desired name or number, and press (**OK**).

If you want to send the message to several persons, select *Send to many*, scroll to the first recipient, and press  (**Send**). Repeat this for each recipient.


The other options are:







*Template*, *Insert smiley*, *Send by set* (see [page 26](#)), *Save*, *Erase*, *Exit*.



**Note:** When sending messages via the SMS network service, your phone may display the words "*Message Sent*". This is an indication that the message has been sent by your phone to the message centre number programmed into your phone. This is not an indication that the message has been received at the intended destination. For more details about SMS services, check with your service provider.


### Reading a text message (Inbox – Menu 2-2)

When you receive a text message in standby mode, you hear a message alert tone, and the number of new messages as well as  are displayed.

1. Press  (**Read**) to view the messages right away. To view the messages later, press  and enter the *Inbox* menu (Menu 2-2) when you want to do so.
2. Scroll to the desired message and press  (**Read**).
3. Use  or  to browse through the message.
4. While reading the message, you can press  (**Options**) for the following: *Erase*, *Reply*, *Chat*, *Edit*, *Use number*, *Forward*, *Details*.

With *Chat*, you can have a conversation using text messages with another person. For more information, see [Chat \(Menu 3\) on page 27](#).

### Viewing a message you have saved (Outbox – Menu 2-3)

In the *Outbox* menu, you can view the messages that you have written and saved in the *Write messages* menu (Menu 2-1). Pressing  (**Options**) allows access to the same functions as in *Inbox* (Menu 2-2), except for *Reply*, *Chat*, and *Details*.



## Picture messages (Menu 2-4)

You can send and receive text messages that contain pictures (network service). Note that:

- Each picture message is made up of several text messages. Therefore, sending one picture message may cost more than one text message.
- Since picture messages are saved in the phone, you cannot view them if you use the SIM card with another phone.



**Note:** This function can be used only if it is supported by your network operator or service provider. Only phones that offer picture message features can receive and display picture messages.

### When you receive a picture message

To view the message immediately, press (**View**). You can save the message by pressing (**Save**) or delete it by pressing twice.

To view the message later in this menu: Press and then (**OK**) to save the message.

## Sending a picture message

Within this menu, scroll to a picture message and press (**View**). Press (**Options**) and select *Edit text*. Write the message. To view the whole message, press (**Options**) and select *Preview*. To send the message, press (**Options**) and select *Send*.

## Templates (Menu 2-5)




You can view, edit, or erase the preset messages ('templates') that can be used for writing a message.

Scroll to the desired template and press (**Read**). To edit or erase the template, press (**Options**) and select the desired function.

When editing a template, pressing (**Options**) allows access to a further set of functions, including *Send* and *Save template*.

You can create a template from scratch by selecting one of the empty templates at the end of the template list. Press (**Options**), select *Edit*, and type in the template text. Press (**Options**) and select *Save template*.

## Smileys (Menu 2-6)

With this function, you can create smiley characters such as ':-)' that you can use when writing or replying to a message. Scroll to the desired smiley and press  (Read). Press  (Options) and select *Edit*. Change the smiley to your liking (to select and add a special character, press the Chr key) and press  (OK).

## Message settings (Menu 2-7)

The phone offers two kinds of message settings: settings specific to each setting group ('set') and settings common to all text messages.

### Set 1 (Menu 2-7-1) <sup>1</sup>

A set is a collection of settings needed for sending text and picture messages.

Each set has the following settings:

- *Message centre number*: You need the message centre number to send text and picture messages. You can obtain this number from your service provider.

- *Messages sent as*: You can request the network to convert your message into *E-mail*, *Fax*, or *Paging* format (network service).
- *Message validity*: You can select the time period during which the message centre keeps and attempts to resend your message if the first attempt to send it fails.

### Common (Menu 2-7-2) <sup>2</sup>

The settings in this submenu apply to all text messages that you send, irrespective of the chosen set. The available settings are:

- *Delivery reports*: You can request the network to send delivery reports of your messages to keep track of the messages you send (network service).
- *Reply via same centre*: You can allow the recipient to reply using your message centre. This way, recipients who have not subscribed to the short message service can reply to your messages (network service).
- *Character support*: To be able to send messages using special characters (such as ñ) in

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

2. The shortcut number of this menu depends on the number of sets available. Here it is assumed that only one set is available.


Roman and Slavic languages or Russian characters to a compatible phone, select *Unicode*, if supported by your network.

Note that you can only write text messages of up to 70 characters in length when you select *Unicode*.

## Info service (Menu 2-8)


With this network service, you can receive messages on various topics (such as traffic conditions) from the network. For details, contact your service provider.

## Voice mailbox number (Menu 2-9)

You can save the phone number of your voice mailbox (network service). Type in the number (that you can obtain from the service provider) and press  (OK).

For diverting calls, see [Call divert \(Menu 7\) on page 32](#).



## Service command editor (Menu 2-10)

You can send service requests to your service provider (for example, activation commands for network services). Type in the desired characters and press  (Send) to send the request.


## ■ Chat (Menu 3)





You can have a conversation with another person using text messages.


**To access this menu:** In standby mode, press  (Menu), scroll to *Chat*, and press  (Select).



You can start a chat either within this menu or by selecting the *Chat* option while reading a received text message.


1. In the *Chat* menu, type in the other person's phone number or recall it from the phone book (see [Making a call using the phone book on page 17](#)), and press  (OK).

If you have previously had a chat with the same person, the last 500 characters of this chat are shown.

2. Type in your nickname for the chat (see [Writing text on page 18](#)), and press  (OK).
3. Write your message, press  (Options), and select *Send*.
4. The reply that you receive from the other person is displayed above the message that you sent.

To reply to the message, press  (OK) and repeat step 3 above.

When writing the message, you can view all the messages sent (indicated by '<' and your nickname) and received (indicated by '>' and the other person's nickname) during the current chat: Press  (**Options**) and select *Chat history*. Press  (**OK**) to return to the message that you are writing.



To edit your nickname, press  (**Options**) and select *Chat name*.

Note that the messages received during a chat are not saved in the *Inbox* menu.


### ■ Call register (Menu 4)



In this menu, you can view the phone numbers registered by the phone and the approximate length and cost of your calls. You can also view and adjust the settings of a prepaid SIM card.

**To access this menu:** In standby mode, press  (**Menu**), scroll to *Call register*, and press  (**Select**).

The phone registers missed and received calls if it is switched on and within the network's service area, and if the network supports these functions.

When you press  (**Options**) in the *Missed calls*, *Received calls*, or *Dialled numbers* menu, you can view the time of the call and edit, view, or call a registered phone number, add it to your *Phone book* or delete it from the list of phone numbers. You can also send a text message to the caller (*Send SMS*).

- *Missed calls*: This network service shows the last 10 phone numbers from which somebody has tried to call you without success.
- *Received calls*: This network service shows the last 10 phone numbers from which you have accepted a call.
- *Dialled numbers*: Shows the last 20 phone numbers that you have called or attempted to call.
- *Erase recent call lists*: Deletes all the phone numbers and names from Menus 4-1 to 4-3.
- *Show call duration*: Shows the approximate duration of your outgoing and incoming calls. You can reset these call timers by selecting *Clear timers* (Menu 4-5-5).



**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:** This network service shows the approximate cost of your last call or all calls in terms of units specified within the **Show costs in** function (Menu 4-7-2).



**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.

- **Call cost settings:** With the **Call cost limit** function, you can limit the call costs to the desired amount of charging units or units of currency (network service). With the **Show costs in** function, you can select the units in which the phone shows the remaining talk-time (contact your service provider for charging unit prices).





**Note:** When no more charging units or currency units are left, calls may only be possible to the emergency number programmed into your phone (e.g. 112 or other official emergency number).


- **Prepaid credit:** When using a prepaid SIM card, you can make calls only when there are enough credit units on the SIM card (network service). Options: **Credit info display** (show or hide remaining units in standby mode), **Credit available** (amount of remaining units), **Last event costs**, **Recharge status**.

## Tones (Menu 5)



In this menu, you can change the settings of the currently selected profile. See also [Profiles \(Menu 13\)](#) on page 44.

**To access this menu:** In standby mode, press  (**Menu**), scroll to **Tones**, and press  (**Select**).

- **Ring tone:** You can select the tone that you hear when you receive a call.
- **Ring volume:** You can set the volume level for the ringing and message alert tones.
- **Incoming call alert:** You can select the way the phone notifies you of incoming voice calls. For example, when **Off** is selected, the phone remains silent when you receive a call and  is shown in standby mode.

- **Message alert tone:** You can set the tone that you hear when you receive a text message.
- **Keypad tones:** You can set the volume for keypad tones.
- **Warning tones:** You can set the phone to sound tones, for example, when the battery is running out of power.
- **Vibrating alert:** You can set the phone to vibrate when you receive a call or a text message.
- **Screen saver:** You can select the picture that is displayed in standby mode after a specified time ('timeout'). You can also use animated pictures as screen savers.



Note, however, that the use of an animated picture as a screen saver consumes power, so it reduces the operation time of your phone.

For downloading animated pictures, see the [View picture](#) function in [Browsing the pages of a WAP service on page 49](#).

## ■ Settings (Menu 6)



In this menu, you can adjust various settings of the phone. You can also reset some menu settings to their default values.

To access this menu: In standby mode, press  (**Menu**), scroll to **Settings**, and press  (**Select**).

## Call settings (Menu 6-1)

- **Automatic redial:** You can set your phone to make up to ten attempts to connect the call after an unsuccessful call attempt.
- **Speed dialling:** When this function is on, you can dial the names and phone numbers assigned to the speed dial number keys 2 to 9 by pressing and holding the corresponding key.
- **Call waiting options:** When this network service is activated, the network notifies you of a new incoming call while you have a call in progress.
- **Own number sending:** You can set your phone number to be displayed (**On**) or hidden (**Off**) from the person you are calling (network service). When you select **Set by network**, the setting that was agreed upon with your service provider is used.
- **Phone line in use:** The phone may be used with a SIM card that supports two phone lines. With this network service, you

can select the phone line 1 or 2 for making calls or prevent line selection. Calls on both lines can be answered irrespective of the selected line.

You will not be able to make calls if you select line 2 and you have not subscribed to this network service. When line 2 is selected, 2 is displayed in standby mode.

Note that to allow or prevent line selection, you need the PIN2 code.

- **Automatic answer:** You can set your phone to answer an incoming call after one ring when the phone is connected to the HDD-2 headset.

## Phone settings (Menu 6-2)

- **Language:** You can select the language for the display texts.
- **Cell info display:** You can set the phone to indicate when it is used in a cellular network based on Micro Cellular Network (MCN) technology (network service). In such a network, local calls may cost less than they would otherwise.
- **Welcome note:** You can write a message which is shown briefly when the phone is switched on.

- **Network selection:** You can set the phone to automatically select a cellular network available in your area, or you may select the desired network manually. The network must have a roaming agreement with your home network.
- **Confirm SIM service actions:** You can set the phone to show or hide confirmation messages when you use SIM card services (see [SIM services \(Menu 15\) on page 53](#)).

## Security settings (Menu 6-3)

- **PIN code request:** You can set your phone to ask for the PIN code of the SIM card when the phone is switched on. Some SIM cards do not allow turning off this function.
- **Call barring service:** With this network service, you can restrict the making and receiving of calls with your phone. Select one of the barring options and set the option on (**Activate**) or off (**Cancel**), or check which types of calls are barred (**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).

- **Fixed dialling:** You can restrict your outgoing calls to selected phone numbers, if allowed by your SIM card.



**Note:** When Fixed Dialling 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:** With this network service, you can specify a group of people whom you can call and who can call you.



**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:** You can set the phone to ask for the security code when a new SIM card is inserted in the phone (option **Phone**) or when you select the

internal phone book (**Memory**). When you change this setting, the numbers in Menus 4-1 to 4-3 (Call register) are cleared.

- **Change access codes:** You can change the security code, PIN code, PIN2 code, or barring password. These codes can include the numbers 0 to 9 only.

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



## Restore factory settings (Menu 6-4)

You can reset the menu settings to their original values. This function has no effect, for example, on the names and phone numbers in the phone book. Also, your FM radio and Music player settings should not be affected.





## ■ Call divert (Menu 7)




You can direct your incoming calls to your voice mailbox or some other phone number (network service).

**To access this menu:** In standby mode, press  (**Menu**), scroll to **Call divert**, and press  (**Select**).



1. Scroll with  or  to the desired divert option, and press  (**Select**). For example, select *Divert when busy* to divert calls when you are in a call or when you want to reject a call.
2. Set the selected divert option on (*Activate*) or off (*Cancel*), check whether the option is activated (*Status*), or specify a delay for it (not available for all divert options).
3. If you selected *Activate*, select the number to which you want to divert the incoming calls. If you selected *Status*, press  (**Number**) to view the phone number to which the calls are diverted.

Several divert options may be active at the same time. When all calls are diverted,  is shown in standby mode.



## Music (Menu 8)



You can listen to music or the FM radio with your phone. You can also record music from the radio or an external music source. You can record or transfer music files of up to 2 hours of near CD-quality music to the approximately 64 MB of free memory in your phone.



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

**To access this menu:** In standby mode, press  (**Menu**), scroll to *Music*, and press  (**Select**).

**Transferring music files from a PC:** See instructions in chapter 4. [Nokia Audio Manager on page 54.](#)

## Music player (Menu 8-1)

With the *Music player*, you can listen to the music tracks you have stored in your phone. To listen, attach the HDD-2 headset (see [Attaching and using the headset on page 14](#)) to the phone.



**Tip:** To quickly turn on the *Music player*, press the Music player key on the side of the phone (see [the picture on page 11](#)).


Once you have turned the *Music player* on, it starts playing tracks.


To adjust the volume level of the headset, press the Volume up or Volume down key on the side of the phone.






**Warning!** Listening to music at a high volume may damage your hearing.


## Listening to music

To rewind the currently played track, press and hold .

To fast forward the track, press and hold .

To play the next or previous track on your track list, quickly press  or , respectively.

To stop the playing, press  (**Options**) and select *Pause* if you want to go back to the track you were listening or select *Switch off*.

To edit the settings, press  (**Options**) and select *Settings*. You have the following options:

- *Play options*: Select *Normal* to play the tracks stored in your phone the order in which they appear in your track list, or select *Random*.
- *Sound style*: You can select the style of the music tracks you play in order to automatically set equaliser options, such as Bass/Treble levels, and Balance according to the selected style. This may enhance playback quality. The styles are: *Rock*, *Normal*, *Jazz*, *Classical*, *Latin*, *Pop*, *Dance*, *Bass*, and *Extra bass*.

To answer an incoming call while using the headset, press the headset key. The *Music player* is paused when the phone rings. To end the call, press the headset key again. The *Music player* is automatically turned back on. See [Attaching and using the headset on page 14](#) for more information.

Note that using the *Music player* consumes power and the phone's operating time is reduced.

## Radio (Menu 8-2)

You can listen to the FM radio in your phone by using the HDD-2 headset (see [Attaching and using the headset on page 14](#)). The lead of the headset functions as the antenna of the radio, so let it hang freely.

To adjust the volume level of the headset, press the Volume up or Volume down key on the side of the phone.



**Warning!** Listening to music at a high volume may damage your hearing.

Note that the quality of the radio broadcast depends on the radio station's coverage in that particular area.



**Tip:** To quickly turn on the *Radio*, press the Radio key on the side of the phone (see the picture on page 11).

If you have radio channels already saved, you can scroll to the channel you want to listen to, or select a radio channel location 1 to 10 by pressing the corresponding number key (with 0 designating location 10).

### Tuning a radio channel

- When the radio is on, press and hold or to start the channel search. Searching stops when a channel is found.
- If you know the frequency of the radio station you would like to listen to (between 87.5 MHz and 108.0 MHz), press (**Options**) and select *Set frequency*. Type in the frequency and press (**OK**).
- To move the channel search by steps as small as 0,1 MHz, press (**Options**) and select *Manual tuning*. Quickly press or to move the search upwards or downwards. A longer press moves the search up or down by 1 MHz. When you have found a radio station you want to listen to, press (**OK**).

To save the channel in the phone, press (**Options**) and select *Save channel*. Type in the name of the radio station and press (**OK**). Scroll to the location where you want to store the channel and press (**Select**). You can save up to 10 channels in your phone.

### Using the radio

When the radio is on you can turn it off by pressing (**Options**) and selecting *Switch off*.

You can normally answer an incoming call while listening to the radio. The volume of the radio is muted. When you end the call, the radio will automatically be turned on.

To recall the radio channels, press the corresponding number keys.

If you want to make phone calls, press and hold to return to the standby mode.

Note that using the FM radio consumes power, and the phone's operating time is reduced.

### Recorder (Menu 8-3)



You can record music directly from the FM radio in your phone, or you can connect your phone to compatible external audio equipment, for example, a CD-player, and record your favourite music directly to your phone.




**Note:** Do not use this feature illegally! Music can be protected by copyright. The recording of such music and transferring of music files is permitted for your personal use only. It is illegal to copy such music tracks for the purpose of selling or distributing them.

To record music from the FM radio, turn the radio on and select the *Recorder* option from the *Music* menu. To record from external audio equipment, first connect the device to the phone. Start playing the external audio equipment and then select the *Recorder* option. You can record or transfer music files of up to 2 hours of near CD-quality music to the approximately 64 MB of free memory in your phone.

To stop recording, press **Stop**. Then select either *Save* or *Delete*.

- If you select to save the music recording, type in the track name and press  (**OK**). Type in the name of the artist and press  (**Save**). The music track is now saved in your device memory.



You cannot make phone calls while recording music with your


phone. To make a call, press and hold  to cancel the recording and return the phone to standby mode.

If you receive a phone call while recording music, the recording continues unless you answer the phone. If you answer the phone, you can choose to save or delete the interrupted recording after the phone call.

## Track list (Menu 8-4)

You can view and play the music tracks that you have stored in your phone. You can also remove tracks.

To play one of the music tracks on the list, select the track, press  (**Options**), and select *Play*. The *Music player* starts to play the selected track. After the track has ended, the *Music player* continues playing the following tracks on the list. To return to the *Track list*, press .

To delete music tracks, select a track, press  (**Options**) in the *Track list* and select *Delete*. You can also select the *Memory status* option to check the amounts of free and used memory in your phone.

## ■ Games (Menu 9)



The phone offers you the following games to play: *Snake II*, *Space Impact*, *Bantumi*, *Pairs II*, and *Bumper*.

You can use the keys on either side of the screen for playing. The key pattern is duplicated so that it is identical on both sides of the keyboard. This way you can select whether you want to play on one side only or on both sides with allows more room for both hands.



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

**To access this menu:** In standby mode, press (Menu), scroll to *Games*, and press (Select).



**Tip:** You can also listen to music while playing games. Select the game you want to play and press either the Music player or Radio key on the side of the phone.

Note that playing games consumes power and the phone's operating time is reduced.

### Adjusting settings common to all games

Scroll to *Settings* and press (Select). Scroll to the desired setting and press (Select).

You can set the sounds, lights, and vibrations (*Shakes*). Note that when the *Vibrating alert* function is off, the phone does not vibrate even if the *Shakes* function is on.

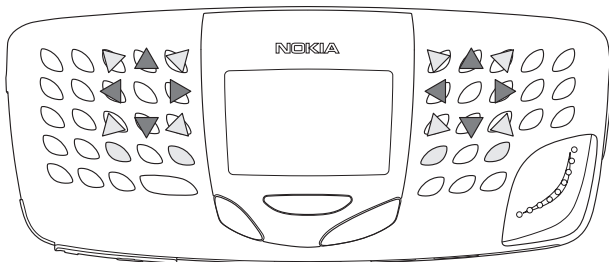
### Starting a game and adjusting game-specific settings

Scroll to *Select game* and press (Select). Scroll to the game that you want to play and press (Select).

You can start the game (*New game*), view the highest scores so far (*High scores*), change the game's settings (*Options*), or view a help text about the game (*Instructions*).

To resume a game that you have paused by pressing or , select *Continue* and press any key except for , , or .

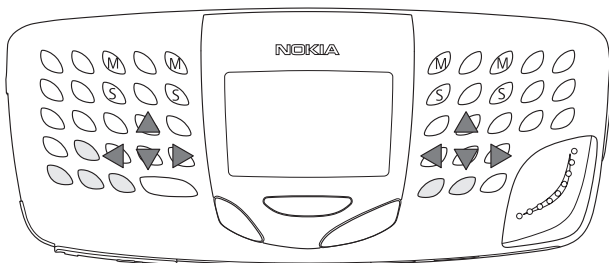
## [Game keys for Snake II](#)



Make the snake grow longer by directing it to the food.

- Move the snake by pressing the keys indicated by dark grey arrows in the picture above.
- To make the game more interesting, please explore on your own how the special keys indicated in light grey color function.

## [Game keys for Space Impact](#)

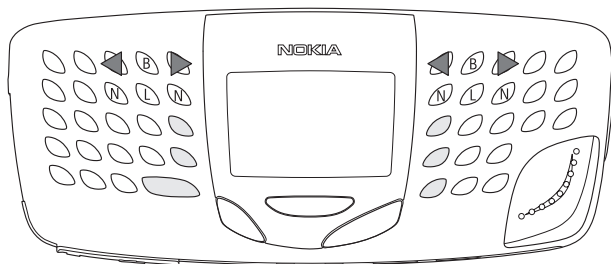


Pilot Geneva's spaceship through a mission to defeat alien forces.

- Navigate the spaceship by pressing the keys indicated by arrows in the picture.
- Fire your main weapon by pressing the keys indicated by M in the picture.
- Fire special weapons by pressing the keys indicated by S in the picture.

- To make the game more interesting, please explore on your own how the special keys indicated in light grey color function.

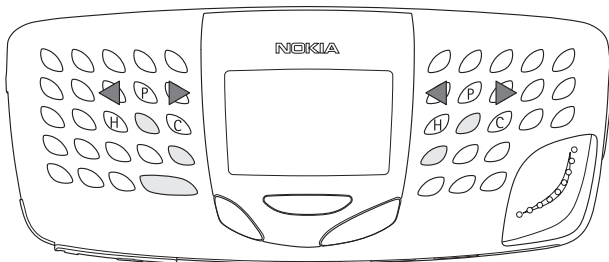
### Game keys for Bumper



Get your highest score by keeping the ball on the table using the flippers.

- Launch the balls by pressing the keys indicated by L in the picture above. Hold down the key to get more power.
- Control the flippers by pressing the keys indicated by arrows in the picture. To move both flippers at the same time, press one of the keys indicated by B in the picture above.
- Nudge the table by pressing the keys indicated by N in the picture. Nudging too much will tilt the table.
- To make the game more interesting, please explore on your own how the special keys indicated in light grey color function.

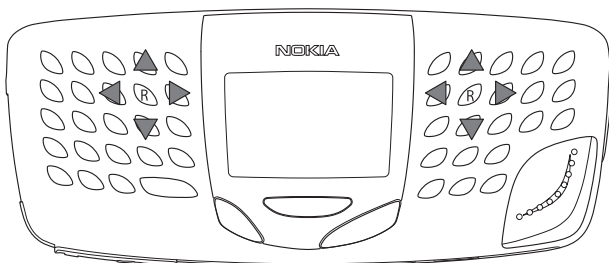
### Game keys for Bantumi



Collect the most beans to win the game.

- Move the hand by pressing the keys indicated by arrows in the picture above.
- Pick up the beans from the pot by pressing the keys indicated by P in the picture above.
- Change turns by pressing the keys indicated by C in the picture above.
- Receive a hint for your next move by pressing the keys indicated by H in the picture.
- To make the game more interesting, please explore on your own how the special keys indicated in light grey color function.

### Game keys for Pairs II



Reveal pictures to find pairs.

- Move to the desired picture by pressing the keys indicated by arrows.
- Reveal the picture by pressing either of the keys indicated by R.



## ■ Calculator (Menu 10)



The phone is provided with a calculator which can also be used for rough currency conversions. The calculator has limited accuracy and rounding errors may occur, especially in long divisions.

**To access this menu:** In standby mode, press (Menu), scroll to *Calculator*, and press (Select).



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

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

### Making a calculation

- Press the number keys 0 to 9 to insert a digit, the full stop for a decimal point, and to delete the digit to the left of the cursor. To change the sign, press (Options) and select *Change sign*.
- Press (Options) and select *Add*, *Subtract*, *Multiply*, or *Divide*, according to the type

of calculation you want to make.

- For a total, press (Options) and select *Equals*.
- Press and hold to clear the display for a new calculation.

### Making a currency conversion

To set the exchange rate: Press (Options), scroll to *Exchange rate*, and press (OK). Select the desired option, type in the *Exchange rate*: and press (OK).

To make the conversion: Type in the currency amount to be converted, press (Options), and select *In domestic* or *In foreign*.

### Currency conversion in standby mode


Type in the amount that you want to convert. The exchange rate that you set in this menu is used. Press or twice. Press (Convert).

## ■ Reminders (Menu 11)




With this memory aid, you can save short text notes with an alarm. The alarm goes off when the set date and time is reached.





**To access this menu:** In standby mode, press (Menu), scroll to



*Reminders*, and press  (Select).



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

Scroll to one of the following functions and press  (OK):



- *Add new*: Write a note (see [Writing text on page 18](#)) and press  (OK). You can add an alarm to the note if you like.
- *View all*: Shows all the reminders that you have written and saved in your phone. You can browse through the notes with  or . Press  (Options) for the following: *Erase* (You can delete the notes one by one or all at once), *Edit*, *Send* (sends the note without an alarm as a text message to a compatible phone).


When the reminder time is reached, you can stop the alarm by pressing . If you press  (Snooze), the alarm stops for a few minutes.


## ■ Clock (Menu 12)






In this menu, you can adjust and use the time-related features of your phone.

**To access this menu:** In standby mode, press  (Menu), scroll to *Clock*, and press  (Select).




- *Alarm clock*: You can set the alarm to go off at the desired time. Type in the time, and press  (OK).



When the alarm time is reached, the phone sounds an alert and flashes the text *Alarm*. Stop the alarm by pressing any key. If you press  (Snooze), the alarm stops for a few minutes.

If the alarm time is reached while the phone is off and you press any other key but  (Snooze), press  (Yes) to activate the phone for calls or  to keep the phone switched off.

If the alarm time is reached while the phone is switched off, the phone switches itself on and starts sounding the alarm tone. If you press **Stop**, the phone asks whether you want to activate the phone for calls. Press **No** to switch off the phone or **Yes** to make and receive calls.

**Note:** Do not press **Yes** when wireless phone use is prohibited or when it may cause interference or danger.

- **Clock settings:** You can set the phone to show the current time in standby mode, adjust the time, or select the 12-hour or 24-hour time format. If the battery is removed from the phone, you may need to set the time again.
- **Date setting:** You can set the correct date.
- **Stopwatch:** You can measure time for sports, for example. Press  (**Start**) to start timing and press  (**Stop**) to stop it. When the timing is stopped,  (**Options**) allows access to the following: *Start, Reset, Exit.*


To set the timing to continue in the background, press  twice. While the time is running,  flashes in standby mode.


Note that using the stopwatch consumes battery power and the phone's operating time is reduced. Be careful not to let it run in the background when performing other operations with your phone.



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

Using the stopwatch consumes the battery and the phone's operating time will be reduced. Be careful not to let it run in the background when performing other operations with your phone.

- **Countdown timer:** You can set the phone to sound an alarm after a certain period of time. Type in the time period and press  (**Start**). In this menu, you can also select to *Change time* or *Stop timer*.

When the timer is running,  is shown in standby mode.

When the alarm time is reached, the phone sounds a tone and flashes the related text. Press any key to stop the alarm.



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



- **Auto update of date and time:**  
This network service updates the clock in your phone in accordance with the current time zone.

## ■ Profiles (Menu 13)




In this menu, you can edit, manage, and create the setting groups ('profiles') that control all the phone tones in different environments. One profile is always in use.

You can easily change the settings of the currently selected profile also in the **Tones** menu (see [page 29](#)).


**To access this menu:** In standby mode, press  (**Menu**), scroll to **Profiles**, and press  (**Select**).

### Activating a profile and changing its settings

1. In the **Profiles** menu, scroll to the desired profile and press  (**Select**). For example, select the **Silent** profile if you want to mute all the phone tones.


Some of the profiles can be replaced with profiles that you can receive, for example, from your service provider. For availability and compatibility,

contact your service provider or other profile provider.



2. Select:
  - **Activate** to use the selected profile, or
  - **Personalise** to change the settings of the selected profile.
3. If you selected **Personalise**, scroll to one of the following settings and press  (**Select**): **Ringing tone, Ringing volume, Incoming call alert, Message alert tone, Keypad tones, Warning tones, Vibrating alert, Screen saver, Rename**.

When you use the **Screen saver** function, note that the use of an animated picture as a screen saver reduces the operation time of your phone.

With the **Rename** function, you can edit the name of the selected profile (see [Writing text on page 18](#)). The **General** profile cannot be renamed.

4. Scroll to the desired option and press  (**OK**).



**To activate a profile quickly in standby mode or during a call:** Press the  key quickly, scroll to the desired profile, and press  (**OK**).

## ■ WAP services (Services – Menu 14)



In this menu, you can access various WAP (Wireless Application Protocol) services, such as banking, online games, and entertainment. These services are specifically designed for mobile phones, and they are maintained by WAP service providers.

**To access this menu:** In standby mode, press (**Menu**), scroll to **Services**, and press (**Select**).



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

Check the availability of WAP services, pricing, and tariffs with your network operator and/or the WAP service provider whose service you want to use. Service providers also give you instructions on how to use their services.

Note that WAP services use Wireless Mark-up Language (WML) on their WAP pages. Web pages using the Hyper-Text Mark-up Language (HTML) cannot be viewed on your phone.

**Note:** The information or services you have accessed are stored in the cache of your phone. A cache is a buffer memory, which is used to store data temporarily. If you have tried to access or have accessed confidential information requiring passwords (for example, your bank account), empty the cache of your phone after each use. To empty the cache, in the **Services** menu, scroll to **Clear cache** and press (**Select**).

### Basic steps for accessing and using a WAP service

1. Obtain the connection settings that are needed to access a WAP network operator or WAP service provider.

See [Setting up the phone for a WAP service](#).

2. Save the connection settings.

See [Setting up the phone for a WAP service](#) below. See also [Adjusting the appearance settings of WAP pages on page 50](#).

3. Make a call, that is, a connection, to the WAP service.

See [Making a connection to a WAP service on page 48](#).

4. Start browsing the pages of the WAP service. See [Browsing the pages of a WAP service on page 49](#).
5. Once you are done with browsing, end the connection to the WAP service. See [Ending a WAP connection on page 50](#).







## Setting up the phone for a WAP service

You may obtain the connection settings as a text message from the network operator or service provider offering the WAP service that you want to use. For more information, contact your network operator or service provider.

If this is not the case, you can type in the settings manually. For appropriate settings, contact your network operator or service provider. The WAP settings may be available, for example, on the web site of the network operator or service provider.






## Saving the settings received as a text message




When you receive the connection settings as a text message, *Service settings received* is displayed.

- To save the received settings: Press  (**Options**), scroll to *Save*, and press  (**Select**).
- If you want to view the settings before saving them: Press  (**Options**), scroll to *View*, and press  (**Select**). Press  (**Save**) to save the settings or  to return to the Options list.










## Typing in the connection settings manually





For appropriate settings, contact your network operator or service provider.

1. In the *Services* menu, scroll to *Settings* and press  (**Select**).
2. Press  (**Select**) when *Connection settings* is displayed.
3. Scroll to a set of connection settings and press  (**Options**).  
A set is a collection of settings needed for making a connection to a WAP service.
4. Scroll to *Edit* and press  (**Select**).
5. Scroll to each of the settings below and press  (**Select**). Make all the required settings one by one.

- **Homepage:** Type in the homepage address of the WAP service that you want to use and press  (**OK**).
- **Connection type:** Scroll to *Continuous* or *Temporary*, and press  (**Select**).
- **Connection security:** Scroll to *On* or *Off*, and press  (**Select**).

When connection security is on, the phone tries to use a secure connection with the WAP service. If a secure connection is not available, the connection will not be made. If you wish to connect anyway, with a non-secure connection, set the connection security to *Off*.

- **Bearer** (a connection method): Scroll to *USSD* or *Data*, and press  (**Select**). For pricing, the connection speed, and other information, contact your network operator or service provider.
- **Service code** (shown if the bearer is USSD): Type in the code and press  (**OK**).
- **Service number** (shown if the USSD address type is Service number): Type in the service number and press  (**OK**).
- **Dial-up number** (shown if the bearer is Data): Type in the number and press  (**OK**).
- **IP address** (shown if the bearer is Data): Type in the address and press  (**OK**).
- **Authentication type** (shown if the bearer is Data): Scroll to *Secure* or *Normal*, and press  (**Select**).
- **Data call type** (shown if the bearer is Data): Scroll to *Analogue* or *ISDN*, and press  (**Select**).
- **User name** (shown if the bearer is Data): Type in the user name and press  (**OK**).
- **Password** (shown if the bearer is Data): Type in the password and press  (**OK**).

6. After you have made all the required settings, you can change the name of the setting set. Press  and then  (**Options**), scroll to *Rename*, and press  (**Select**). Type in the name and press  (**OK**).





The settings are now saved and you can make a connection to the WAP service.

### Making a connection to a WAP service


First, activate the settings of the WAP service that you want to use.




If you want to use the same WAP service as the last time, you do not need to activate its settings again.

To activate the settings:



1. In the **Services** menu, scroll to **Settings** and press  (**Select**).
2. Scroll to **Connection settings** and press  (**Select**).
3. Scroll to the appropriate setting set and press  (**Options**).
4. Scroll to **Activate** and press  (**Select**).

Next, make a connection to the WAP service. Do one of the following:

- Open the homepage of the WAP service: In the **Services** menu, scroll to **Home** and press  (**Select**). OR
- Start the connection in standby mode: When you have not typed in any characters on the display, press and hold the number key 0. OR

- Select a bookmark of the WAP service: In the **Services** menu, scroll to **Bookmarks** and press  (**Select**). Scroll to the desired bookmark and press  (**Options**). Scroll to **Go to** and press  (**Select**).

Make sure that the currently active set of connection settings can be used with the WAP page to which the bookmark refers. If the bookmark does not work (in this case **Check service settings** may be displayed), change the set of connection settings and try again. OR

- Enter the address of the WAP service: In the **Services** menu, scroll to **Go to address** and press  (**Select**). Type in the address (press the Chr key for special characters) of the WAP service and press  (**OK**).

Note that it is not necessary to add the prefix **http://** in front of the address since it will be added automatically. If you are using a protocol other than **http** (such as **ftp**), add the appropriate prefix.

Your phone may have some pre-installed "bookmarks" for sites not affiliated with Nokia. Nokia does not warrant or endorse these sites. If you choose to access them, you









should take the same precautions, for security or content, as you would with any other site.

## Browsing the pages of a WAP service

Once you have made a connection to the WAP service, you can start browsing its WAP pages.

The function of the phone keys may vary for different WAP services. Follow the guiding texts on the display. For more information, contact your WAP service provider.

## General guidelines for using the keys

- Use  or  to browse the WAP page and highlight the desired item. The item can be, for example, underlined text indicating a link.
- Press the Space key to select a highlighted item.
- Press  to go back to the WAP page that you viewed previously.
- Press and hold  to disconnect from the WAP service and to end the call.
- Press  (**Options**) for the following options. Scroll to the desired option and press  (**Select**).

*Home:* Takes you to the homepage of the WAP service.


*Reload:* Refreshes the WAP page.

*Select:* Selects a link or any other highlighted item on the WAP page.

*Appear. sett.:* You can wrap lines of text and hide images on the WAP page. For details, see [Adjusting the appearance settings of WAP pages on page 50](#).

*Bookmarks:* You can manage bookmarks, for example, save the current WAP page as a bookmark. For details, see [Saving and managing bookmarks on page 51](#).



*Use number:* Copies a number from the current WAP page for saving or calling, and ends the call. If the WAP page contains several numbers, you can select the desired one.



*Go to address:* You can make a connection to the desired WAP page. Type in the WAP address and press  (**OK**).

*Clear cache:* Empties the cache memory of the phone (see [Emptying the cache memory on page 51](#)).

**Security info:** Shows whether the connection is secure.

**Exit:** Quits browsing and ends the connection to the WAP service.

**View picture:** You can scroll a picture or animated picture which cannot be entirely shown on the display. Press  and  to scroll the picture up or down and the letter keys B and N to scroll the picture left or right.




Press  (**Options**) for the following: *Next picture*, *Prev. picture*, or *Save picture*. With the *Save picture* option, you can save pictures for using them in picture messages or as screen savers, and animated pictures for using them as screen savers. If the picture to be saved is too large for picture messages and screen savers, move the box shown over the picture to select the area that you want to save and press  (**Select**).

Note that an animated picture saved from a WAP page cannot be used in picture messages.

When the text *Quit browsing?* is shown, press  (**Yes**).

The phone terminates the connection to the WAP service and ends the call.



## Adjusting the appearance settings of WAP pages

1. In the *Services* menu, scroll to *Settings* and press  (**Select**).
2. Scroll to *Appearance settings* and press  (**Select**).
3. Scroll to *Text wrapping* or *Show images*, and press  (**Select**).
4. Select *On* or *Off* for *Text wrapping* and *Yes* or *No* for *Show images*.

When *Text wrapping* is set to *On*, the text continues on the next line if it cannot be shown on the same line.


When *Show images* is set to *No*, any pictures appearing on the WAP page are not shown. This may speed up the browsing of WAP pages that contain a lot of pictures.


## Ending a WAP connection

When you are using a WAP service: Press  (**Options**), scroll to *Exit*, and press  (**Select**).


## Saving and managing bookmarks



### When no WAP connection is in progress

1. In the *Services* menu, scroll to *Bookmarks* and press  (**Select**).



2. Scroll to the desired bookmark and press  (**Options**).


If you want to save a new bookmark, select any bookmark.

3. Scroll to one of the following options and press  (**Select**).


- *Add bookmark*: You can create a new bookmark without connecting to a WAP service. Type in the address of the WAP page and press  (**OK**). Write a name for the WAP page and press  (**OK**).
- *Go to*: Makes a connection to the WAP page associated with the selected bookmark.
- *Edit*: You can modify the selected bookmark.
- *Erase*: You can delete the selected bookmark.
- *Send bookmark*: You can send the selected bookmark as a text message to another phone.

### When a WAP connection is in progress

1. Press  (**Options**), scroll to *Bookmarks*, and press  (**Select**).

2. Scroll to the desired bookmark and press  (**Options**).

If you want to save a new bookmark, select any bookmark.

3. Scroll to one of the options described above and press  (**Select**).


With the *Save bookmark* function, you can save the current WAP page as a bookmark.

### Emptying the cache memory

The information or services that you have accessed are temporarily saved in the cache memory of the phone.

If you have tried to access or have accessed confidential information requiring passwords (for example, your bank account), empty the cache memory of your phone after each use.

To empty the cache memory:


- In the *Services* menu, scroll to *Clear cache* and press  (**Select**).

## Having a WAP connection and a voice call in progress at the same time (when the bearer is USSD)


You can answer a voice call during a WAP connection when the bearer of the connection is USSD. You can also start a WAP connection during a voice call.


Note that you cannot have a voice and a WAP connection in progress at the same time when the bearer is Data.

### To answer a call during a WAP connection:



1. Press  (**Answer**) to answer the call.

You can continue browsing WAP pages during the call.

2. To end the call but not the WAP connection, press  (**Options**) and select **End active call**.

To end the call and the WAP connection, press and hold .

### To start a WAP connection during a call (when the bearer in the currently active set of connection settings is USSD):

1. Press  and then  (**Options**), and select **Services**.
2. Make a WAP connection and start using it in the normal way.

## Security certificates



For some WAP services, such as banking services, you need a security certificate. Using the certificate can help you to improve the security of connections between your phone and a WAP gateway or WAP server, if the **Connection security** option is set to **On**.

You can download the certificate from a WAP page if the WAP service supports the use of security certificates. After the download, you can view the certificate and then save or delete it. If you save the certificate, it is added to the list of certificates in the phone.


You can only be sure that a WAP gateway or WAP server is the one it claims to be after its identity has been checked against the corresponding certificate in the phone.

You will see a note on the phone display if the identity of the WAP server or WAP gateway cannot be verified, the WAP server or WAP gateway certificate is not authentic, or if you do not have the correct certificate in your phone.

To view the list of security certificates:

1. In the **Services** menu, scroll to **Settings** and press  (**Select**).
2. Scroll to **Security certificates** and press  (**Select**).

### Security icon




If the security icon () is displayed during a WAP connection, the data transmission between the phone and the WAP gateway or WAP server is encrypted and secure. The WAP gateway or WAP server is identified by the **IP address** (if the bearer is Data) or **Service number** (if the bearer is USSD) setting in **Connection settings**.

However, the security icon does not indicate that the data transmission between the gateway and the content server (place where the requested resource is stored) is secure. It is up to the service provider to secure the data transmission between the gateway and the content server.

this menu depend on the services available.



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

**To access this menu:** In standby mode, press  (**Menu**), , and  (**Select**).



**Note:** For availability, rates and information on using SIM services, contact your SIM card vendor, e.g. network operator, service provider or other vendor.

## **SIM services** (Menu 15)

This menu is shown only if your SIM card provides additional services. The name and contents of

## 4. Nokia Audio Manager

With Nokia Audio Manager, you can create and organise digital music files on a compatible PC and transfer them to your Nokia 5510 phone. The Nokia Audio Manager software allows you to create a PC library of music tracks and playlists. You can connect your phone to the PC and transfer the music to the phone. The music tracks on the playlists can be, for example, transferred from your CDs.

You can copy music files created from the radio into the PC for backup purposes with the USB cable and Windows Explorer. You can only play these files in your Nokia 5510 phone due to copyright limitations.

When using Nokia Audio Manager, you only need to connect your phone to the PC; everything else is done on the PC.



**Note:** Do not use this feature illegally! Music can be protected by copyright. The recording of such music and transferring of music files is permitted for your personal use only. It is illegal to copy such music tracks for the purpose of selling or distributing them.

### ■ System requirements

To install and use Nokia Audio Manager, you need the following:

- An Intel compatible PC running Windows 98, Millennium Edition, and Windows 2000 operating systems,

Note that the software is not supported on a homemade PC with Windows 98 installed or a computer which has had its system upgraded from Windows 95 or 3.1 to Windows 98.

- Pentium MMC 266 MHz CPU (Pentium 300 MHz recommended),
- At least 35 MB of free disc space. Additional space for music files,
- Minimum of 48 MB memory space recommended, 64 MB suggested for Windows 2000,
- Display with 800 x 600 pixels and more than 65536 colors, High Color setting,
- Browser that is version 4.0 or higher of either Microsoft Internet Explorer or Netscape Navigator,

- file support for MP3, WAV and CD-DA (music CD) import files,
- CD ROM drive SCSI/ANSI X3T10-1048D standard. ATAPI/SFF-8020i standard.

## ■ Installing Nokia Audio Manager

1. Start Windows.
2. Insert the CD-ROM supplied in the sales package in the CD-ROM drive of your PC.
3. The CD-ROM should launch itself automatically. If this is not the case, open Windows Explorer and select the CD-ROM drive where you inserted the CD-ROM. Right-click the Nokia Audio Manager icon and select Autorun.
4. Follow the installation instructions that appear on the display of the computer to successfully complete the installation.
5. When the installation of the software program is complete, Nokia Audio Manager folder is added to your Program files.

## ■ Transferring music files to your phone

1. Connect your phone to the PC: Insert one end of the USB data cable supplied in the sales package to the phone and the other end to the USB port on your PC.
2. On the PC, open Nokia Audio Manager.
3. Click the icon Copy to devices.
4. Select the music tracks or playlist that you want to transfer to your phone.
5. To transfer the music to your phone, click Copy To Portable.

If you selected more music than can fit on the phone, you get an error note informing you of insufficient memory in the remote device. Remove some of your selected music tracks and try again.



**Tip:** To receive more information and instructions about using the Nokia Audio Manager, see the Audio Manager Help.

## 5. Battery statements

### ■ Charging and Discharging

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

Temperature extremes can affect the ability of your battery to charge.

Use the battery only for its intended purpose.

Never use any charger or battery which is damaged.

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 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. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Batteries' performance is particularly limited in temperatures well below freezing.

Do not dispose off batteries in a fire!

Dispose off batteries according to local regulations (e.g. recycling). Do not dispose off as household waste.



## 6. Genuine Accessories

A new extensive range of accessories listed below are available for your phone. You can select the accessories that accommodates your specific communication needs.

1. BLC-2 Li-Ion 950 mAh Internal Battery
2. ACP-7 Standard Charger
3. ACP-8 Fast & Light Charger
4. LCH-9 Mobile Charger
5. DDC-1 Battery Charging Stand
6. HDD-2 Stereo Headset
7. ADE-2 Audio Cable
8. ADA-2 Adapter Cable
9. DKE-2 Connectivity Cable

Some of the accessories are described in detail below.

For availability of the accessories, please check with your local dealer. A few practical rules for accessories operation:

- Keep the accessories out of small children's reach.
- When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.
- Check regularly that all cellular phone equipment in a vehicle is mounted and operating properly.

Use only batteries, chargers and accessories approved by the phone manufacturer. The use of any other types may invalidate any approval or warranty applying to the phone, and may be dangerous.

### Battery

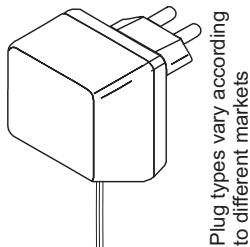
Type	Tech	Capacity	Talktime *	Standby *	Music player usage time#	FM Radio usage#
BLC-2	Li-Ion	950 mAh	2hrs 30mins - 4hrs 30mins	55hrs - 260hrs with radio off	Up to 10hrs	Up to 13hrs

\* Variation in operation times may occur depending on SIM card, network and usage settings, usage style and environments. Use of FM radio, Music player and Digital recorder will affect talktime and standby.

# At the maximum with no other functions on.

### ACP-7 Standard Charger

This small, lightweight and durable charger provides easy and convenient way to charge your phone battery quickly. The charging time is approximately 3 hours 45 minutes for BLC-2. Check the charging status on the phone display. You can also use your phone while charging.



### LCH-9 Mobile Charger

The multivoltage LCH-9 Mobile Charger, ensure your phone is always ready for use whenever you travel. This small charger's functional design fits most car lighters and interiors.

The charging time for the BLC-2 battery is about 2 hours, and you can use your phone freely during charging.

A green light indicates that the Mobile Charger is ready for charging. Check the charging status on the phone display. The input voltage can be 12 or 24 V DC, negative grounding.

### HDD-2 Stereo Headset

The compact headset with remote control is ideal for comfortable handsfree operation and has excellent audio quality for enjoying music via FM radio and digital music player. By using the remote control, you can answer/end call. The clip holds the headset firmly in place.



### ADE-2 Audio Cable

This stereo cable allows you to connect your Nokia 5510 to generic external audio system. Using this cable you can record music from your home stereo system or a portable music player. Used with ADA-2 Adapter cable, it provides analogue connection between two Nokia 5510 phones

for recording music from one another.



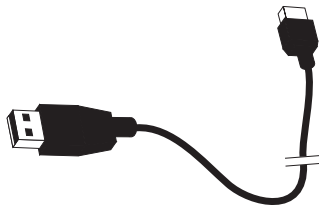
### **ADA-2 Adapter Cable**

This small and lightweight cable allows you to use your own preferred headphone to enjoy the music. It also allows you to make analogue connection between two Nokia 5510 phones.



### **DKE-2 Connectivity Cable**

This USB cable allows you to connect your Nokia 5510 to a PC with USB port. It provides a fast and convenient way to download music from your PC to the Nokia 5510.



## 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 fulfil any warranty obligations and to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits.
- Do not use or store the phone in dusty, dirty areas. Its moving parts can be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When it warms up (to its normal temperature), moisture can form inside, which may damage electronic circuit boards.
- Do not attempt to open the phone. Non-expert handling may damage it.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the phone.

- Do not paint the phone. Paint can clog the 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.

All of the above suggestions apply equally to your phone, battery, charger or any accessory. If any of them is not working properly, take it 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. 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.

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.

Use the phone only in its normal operating positions.

Parts of the phone are magnetic. Metallic materials may be attracted to the phone, and persons with a hearing aid should not hold the phone to the ear with the hearing aid. Always secure the phone in its holder, because metallic materials may be attracted by the earpiece. Do not place credit cards or other magnetic storage media near the phone, because information stored on them may be erased.

## ■ 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 minimise the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

## Important Safety Information

### 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.

Using your phone while in the air is prohibited. 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. Because of this, connections in all conditions can not be guaranteed. Therefore, you should never rely solely upon any wireless phone for essential communications (e.g. medical emergencies).

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 service providers.

### To make an emergency call:

1. If the phone is not on, switch it on. Check for adequate signal strength. Some networks may require that a valid SIM card is properly inserted in the phone.
2. Press as many times as needed (e.g. to exit a call, to exit a menu, etc.) to clear the display and 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, you may first need to turn those features off before you can make an emergency call. Consult this guide 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.

### ■ Certification information (SAR)

#### THIS MODEL PHONE MEETS REQUIREMENTS FOR EXPOSURE TO RADIO WAVES

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) recommended by international guidelines (ICNIRP). These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit stated in the international guidelines is 2.0 W/kg\*. Tests for SAR are conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you

are to a base station, the lower the power output of the phone.

The highest SAR value for this model phone when tested for use at the ear is 0.74 W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the relevant international guidelines for RF exposure.

\* The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of body tissue. The guidelines incorporate a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band. For SAR information in other regions please look under product information at [www.nokia.com](http://www.nokia.com).



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