

# User's Guide for Nokia 3510

---

## DECLARATION OF CONFORMITY

We, NOKIA CORPORATION, declare under our sole responsibility that the product NHM-8NX is in conformity with the provisions of the following Council Directive: 1999/5/EC.

A copy of the Declaration of Conformity can be found from [http://www.nokia.com/phones/declaration\\_of\\_conformity/](http://www.nokia.com/phones/declaration_of_conformity/).

Copyright © Nokia Corporation 2002. All rights reserved.

Reproduction, transfer, distribution or storage of part or all of the contents in this document in any form without the prior written permission of Nokia is prohibited.

Nokia and Nokia Connecting People are registered trademarks of Nokia Corporation. Other product and company names mentioned herein may be trademarks or tradenames of their respective owners.

Nokia tune is a trademark of Nokia Corporation.

Dance2Music, Bumper and Link5 are trademarks of Nokia Corporation.

US Patent No 5818437 and other pending patents. T9 text input software Copyright (C) 1997-2002. Tegic Communications, Inc. All rights reserved.



Includes RSA BSAFE cryptographic or security protocol software from RSA Security.

Nokia operates a policy of continuous development. Nokia reserves the right to make changes and improvements to any of the products described in this document without prior notice.

Under no circumstances shall Nokia be responsible for any loss of data or income or any special, incidental, consequential or indirect damages howsoever caused.



The contents of this document are provided "as is". Except as required by applicable law, no warranties of any kind, either express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, are made in relation to the accuracy, reliability or contents of this document. Nokia reserves the right to revise this document or withdraw it at any time without prior notice.

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




# Quick and easy




This Quick Guide explains the basic functions of your Nokia 3510 mobile phone. More information on these functions is given in chapters 3–6.

## ■ Making a call

- Before you can make your first call, see Installing the SIM card and the battery to learn how to insert the SIM card, install and charge the battery, and switch on your phone.
1. Key in the area code and phone number and press .
  2. Press  to end the call.

## ■ Call functions

- **Answering a call:** Press .
- **Ending/rejecting a call:** Press . You can also press **Silence** to mute the ringing, and then either answer or reject the call.
- **Adjusting earpiece volume:** During a call, press the scroll keys.
- **Calling your voice mailbox:** Press and hold . If the phone asks for the voice mailbox number, key it in and press OK.


- **Speed dialling:** First assign a phone number to a speed dialling key (see page 19). Then press the speed dialling key you want and .
- **Answering a waiting call:** First activate *Call waiting service* (see page 10). Then you can answer a waiting call by pressing . The first call is put on hold. Press  to end the active call.

## ■ Sending a text message


1. Press **Menu**, select *Messages* and *Write message*
2. Key in a message. See Writing text on page 11. See also Text and picture templates on page 23.
3. To send the message, press **Options** and select *Send*.
4. Enter the recipient's phone number and press **OK** to send the message, or search for the phone number in the phone book. Press **OK** to send the message. For more information, see Messages (Menu 2) on page 21.

## ■ Locking and unlocking the keypad

### To lock the keypad:

- In standby mode, press **Menu** and  within 1.5 seconds to lock the keypad.

### To unlock the keypad:

- In standby mode, press **Unlock** and  within 1.5 seconds to unlock the keypad.

### To set the keypad to lock automatically:

- Press **Menu**, *Settings*, *Phone settings* and *Automatic keyguard*. Select *On* to activate the keyguard and select the time after which the keypad automatically locks.

# Contents

|   |           |
|---|-----------|
| List of menu functions.....                             | iv        |
| Quick and easy.....                                     | vii       |
| FOR YOUR SAFETY.....                                    | xii       |
| General information.....                                | xiv       |
| Stickers in the sales package.....                      | xiv       |
| Access codes.....                                       | xiv       |
| Overview of the functions of<br>the phone.....          | xv        |
| Multimedia messaging service.....                       | xv        |
| Polyphonic sound (MIDI).....                            | xv        |
| GPRS (General Packet Radio Service).....                | xvi       |
| WAP (Wireless Application Protocol).....                | xvi       |
| <b>1. Your phone.....</b>                               | <b>1</b>  |
| Keys and connectors.....                                | 1         |
| Standby mode.....                                       | 2         |
| <b>2. Getting started.....</b>                          | <b>3</b>  |
| Installing the SIM card and the battery                 | 3         |
| Removing the SIM card.....                              | 4         |
| Charging the battery.....                               | 4         |
| Switching the phone on and off.....                     | 4         |
| Keypad lock (Keyguard).....                             | 5         |
| Changing the covers.....                                | 6         |
| Putting on the carrying strap.....                      | 7         |
| <b>3. Call functions.....</b>                           | <b>8</b>  |
| Making a call.....                                      | 8         |
| Last number redialling.....                             | 8         |
| Calling your voice mailbox.....                         | 8         |
| Speed dialling a phone number.....                      | 8         |
| Making a conference call.....                           | 9         |
| Answering or rejecting an<br>incoming call.....         | 9         |
| Call waiting.....                                       | 9         |
| Options during a call.....                              | 10        |
| <b>4. Writing text.....</b>                             | <b>11</b> |
| Setting predictive text input on<br>or off.....         | 11        |
| Using predictive text input.....                        | 11        |
| Writing compound words.....                             | 12        |
| Using traditional text input.....                       | 12        |
| Tips for writing text.....                              | 13        |
| <b>5. Using the menu.....</b>                           | <b>14</b> |
| Accessing a menu function.....                          | 14        |
| <b>6. Menu functions.....</b>                           | <b>15</b> |
| Phone book  |           |
| (Names - Menu 1).....                                   | 15        |
| Selecting the phone book settings..                     | 15        |
| Saving names and phone numbers<br>(Add name).....       | 16        |
| Saving multiple numbers and<br>text items per name..... | 16        |
| Searching for a name in the<br>phone book.....          | 17        |
| Editing a name, number or<br>text item.....             | 17        |
| Erasing names and numbers.....                          | 18        |
| Copying phone books.....                                | 18        |
| Sending and receiving<br>a business card.....           | 18        |
| Assigning a number to<br>a speed dialling key.....      | 19        |
| Voice dialling.....                                     | 19        |
| Adding a voice tag.....                                 | 20        |
| Making a call using a voice tag....                     | 20        |
| Replaying, changing or<br>erasing a voice tag.....      | 20        |
| Service numbers.....                                    | 21        |
| Ringing tone per name.....                              | 21        |

|                                      |    |                                      |    |
|--------------------------------------|----|--------------------------------------|----|
| Messages (Menu 2).....               | 21 | Settings (Menu 6).....               | 32 |
| Writing and sending text messages    | 21 | Time and date settings.....          | 32 |
| Options for sending a message.....   | 22 | Clock settings.....                  | 32 |
| Text and picture templates.....      | 23 | Date settings.....                   | 32 |
| Inserting a text template into a     |    | Automatic update of date and         |    |
| message.....                         | 23 | time.....                            | 32 |
| Inserting a picture template         |    | Call settings.....                   | 33 |
| into a message.....                  | 23 | Call divert.....                     | 33 |
| Reading and replying to              |    | Anykey answer.....                   | 33 |
| a text message.....                  | 23 | Automatic redial.....                | 33 |
| Inbox and outbox folders.....        | 24 | Speed dialling settings.....         | 33 |
| Erasing text messages.....           | 24 | Call waiting service.....            | 33 |
| Chat.....                            | 25 | Summary after call.....              | 34 |
| My folders and Archive folder.....   | 25 | My number sending.....               | 34 |
| Voice messages.....                  | 26 | Line for outgoing calls.....         | 34 |
| Info messages.....                   | 26 | Phone settings.....                  | 34 |
| Service command editor.....          | 26 | Language.....                        | 34 |
| Text message settings.....           | 26 | Keypad settings.....                 | 34 |
| Receiving multimedia messages.....   | 27 | Cell info display.....               | 34 |
| Multimedia messaging settings.....   | 28 | Welcome note.....                    | 35 |
| Viewing multimedia messages.....     | 28 | Network selection.....               | 35 |
| Viewing the received message.....    | 28 | Confirm SIM service actions.....     | 35 |
| Viewing a saved message.....         | 29 | Help text activation.....            | 35 |
| Call register (Menu 3).....          | 29 | Start-up tone.....                   | 35 |
| Missed calls and received calls..... | 29 | Accessory settings.....              | 35 |
| Dialled numbers.....                 | 30 | Security settings.....               | 36 |
| Erase recent call lists.....         | 30 | Restore factory settings.....        | 37 |
| Call counters and call timers.....   | 30 | Games (Menu 7).....                  | 37 |
| Tones (Menu 4).....                  | 31 | Starting a game.....                 | 37 |
| Profiles (Menu 5).....               | 31 | Game services and game settings..... | 37 |
|                                      |    | Organiser (Menu 8).....              | 38 |
|                                      |    | Alarm clock.....                     | 38 |
|                                      |    | Calendar.....                        | 39 |
|                                      |    | Making a calendar note.....          | 39 |
|                                      |    | When the phone alarms for            |    |
|                                      |    | a note.....                          | 40 |

|                                       |    |                                       |           |
|---------------------------------------|----|---------------------------------------|-----------|
| Tools (Menu 9) .....                  | 40 | Download settings.....                | 50        |
| Screen saver .....                    | 40 | Bookmarks.....                        | 50        |
| Screen saver activation timeout... .. | 41 | Receiving a bookmark.....             | 51        |
| Receiving screen savers via           |    | Service inbox.....                    | 51        |
| MMS or picture messaging .....        | 41 | To set the phone to receive           |           |
| Calculator.....                       | 41 | service messages.....                 | 51        |
| Making a currency conversion.....     | 42 | The cache memory.....                 | 52        |
| Countdown timer.....                  | 42 | Security indicator.....               | 52        |
| Stopwatch.....                        | 43 | Authority certificates.....           | 52        |
| Time observation and                  |    | SIM services (Menu 11).....           | 53        |
| time splitting .....                  | 43 |                                       |           |
| Lap times .....                       | 43 | <b>7. Battery statements .....</b>    | <b>54</b> |
| Viewing and erasing times .....       | 43 | Charging and Discharging.....         | 54        |
| Mobile Internet services, WAP         |    | <b>8. Genuine Accessories .....</b>   | <b>55</b> |
| (Menu 10).....                        | 44 | Battery.....                          | 55        |
| Basic steps for accessing and using   |    | Indoor.....                           | 55        |
| WAP services.....                     | 44 | Standard Charger (ACP-7).....         | 55        |
| Setting up the phone for              |    | Battery Charging Stand (DDC-1).....   | 56        |
| a WAP service .....                   | 44 | Indoor and Vehicle .....              | 56        |
| Saving the service settings           |    | Personal Headset Kit (HDC-5).....     | 56        |
| received as a text message.....       | 44 | Vehicle .....                         | 56        |
| Keying in the service settings        |    | Mobile Charger (LCH-9).....           | 56        |
| manually .....                        | 45 | Plug and Play Handsfree (PPH-1).....  | 57        |
| Settings when GSM data is the         |    | Mobile Inductive Loopset (LPS-3)..... | 57        |
| selected data bearer .....            | 46 |                                       |           |
| Settings when GPRS is the             |    | <b>9. Care And Maintenance .....</b>  | <b>58</b> |
| selected data bearer .....            | 46 | <b>10. Important Safety</b>           |           |
| Making a connection to                |    | <b>Information.....</b>               | <b>59</b> |
| a WAP service .....                   | 47 | <b>LIMITED WARRANTY.....</b>          | <b>63</b> |
| Browsing the pages of                 |    | <b>Your Details .....</b>             | <b>64</b> |
| a WAP service .....                   | 47 | <b>Index.....</b>                     | <b>65</b> |
| General guidelines for using the      |    |                                       |           |
| phone keys.....                       | 48 |                                       |           |
| WAP direct calling .....              | 49 |                                       |           |
| Ending a WAP connection.....          | 49 |                                       |           |
| Appearance settings of the WAP        |    |                                       |           |
| browser .....                         | 49 |                                       |           |

# 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.






## CONNECTING TO OTHER DEVICES

When connecting to any other device, read its owner'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 . To end a call, press . To answer a call, press .



## 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 . Give your location. Do not end the call until told to do so.



# Network Services

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

Dualband is a network dependent 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.

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from ACP-7, ACP-8 and LCH-9.



**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.

# 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.

## ■ Access codes

- **Security code (5 digits):** The security code protects your phone against unauthorised use, and is supplied with the phone. The preset code is 12345. Change the code in the *Settings* menu, see Security settings on page 36. Keep the new code secret and in a safe place separate from your phone.

Set the phone to request the code, see Security settings on page 36.

- **PIN code (4 through 8 digits):** The Personal Identification Number (PIN) code protects your SIM card against unauthorised use. The PIN code is usually supplied with the SIM card.

Set the phone to request the PIN code each time the phone is switched on, see Security settings on page 36.

- **PIN2 code (4 through 8 digits):** The PIN2 code may be supplied with the SIM card and is required to access some functions, such as charging unit counters.
- **PUK and PUK2 codes (8 digits):** The Personal Unblocking Key (PUK) code is required to change a blocked PIN code. The PUK2 code is required to change a blocked PIN2 code.

If the codes are not supplied with the SIM card, contact your local service provider for the codes.

- **Barring password:** The barring password is needed when using the *Call barring service*, see Security settings on page 36. The password is supplied by your service provider.

# Overview of the functions of the phone

The Nokia 3510 phone provides many functions which are very handy for daily use, such as a Calendar, Clock, Alarm clock, Countdown timer, Calculator, Games, and many more.

A range of accessory covers is also available for your phone. To change the covers, see *Changing the covers* on page 6.

## ■ Multimedia messaging service

The multimedia messaging service enables you to receive multimedia messages. These messages can be made up of text, graphics and sound. The graphic part can be saved for use as a screen saver, and the sound part can be saved for use as a ringing tone.



**Note:** The default setting of the multimedia message service is on (*Allow multimedia reception* is set to *Yes*), and your operator or service provider may charge you for every message you receive.

## ■ Polyphonic sound (MIDI)

Polyphonic sound consists of several sound components played at the same time through a speaker. The polyphonic sounds make ringing tones sound like real melodies compared to the beeps in traditional ringing tones. The polyphonic sounds are used in ringing tones, message alert tones and in gaming for background music and sound effects. Your 3510 phone has sound components from over 40 instruments that can be used for polyphonic sounds. A maximum of four instruments can be played simultaneously. The format supported is the scalable polyphonic MIDI (SP-MIDI).

You can receive polyphonic ringing tones via multimedia service, see *Receiving multimedia messages* on page 27 and *Tones (Menu 4)*. You can also download them via WAP via *Tone services* menu. See *Tones (Menu 4)* on page 31.

## ■ GPRS (General Packet Radio Service)

GPRS is a technology that allows mobile phones to be used for sending and receiving data over the mobile network. GPRS is a data bearer that enables wireless access to data networks such as the Internet. The applications which use GPRS are WAP, MMS and SMS messages.

### Before you can use GPRS technology

- You need to subscribe to the GPRS service.  
For availability and subscription to GPRS service, contact your network operator or service provider.
- You need to save the GPRS settings for the applications used over GPRS.  
See Setting up the phone for a WAP service on page 44.  
See Text message settings on page 26.

### Fees for GPRS and applications

Both the active GPRS connection and the applications used over GPRS, for example WAP services, sending and receiving data and SMS messages, require a fee. For more detailed information on fees, contact your network operator or service provider.

## ■ WAP (Wireless Application Protocol)

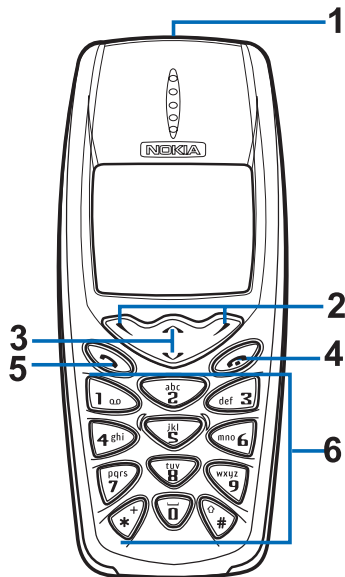
You can access various WAP services such as news, weather reports, entertainment, cinema and online games. These services are specially designed for mobile phones and they are maintained by WAP service providers.


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

See Mobile Internet services, WAP (Menu 10) on page 44.



# 1. Your phone



## ■ Keys and connectors










1. Power key, 

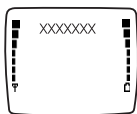
Switches the phone on and off.

While in the phone book or in menu functions, or when the keypad is locked, briefly pressing the power key turns the phone's display lights on for approximately 15 seconds.
  2. Selection keys,  and 

The function of the keys depends on the guiding text shown on the display above the keys, for example **Menu** and **Names** in standby mode.
  3. Scroll keys,  and 

Enables scrolling through names, phone numbers, menus or settings. Also adjusts the earpiece volume during a call.
  4.  ends an active call. Exits from any function.
  5.  dials a phone number, and answers a call. In standby mode, it shows the most recently called number.
  6.  -  enter numbers and characters. Pressing and holding  calls your voice mailbox.
-  and  are used for various purposes in different functions, for example, when locking the keypad.

## ■ Standby mode



When the phone is ready for use and no characters have been entered by the

user, the phone is in standby mode.

The selection keys in standby mode are **Menu** and **Names**.

xxxxxx Indicates the cellular network in which the phone is currently being used.



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



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

### Other essential indicators in standby mode:



You have received one or several text or picture messages. See Reading and replying to a text message on page 23.



You have received one or several voice messages. See Voice messages on page 26.



The phone's keypad is locked. See Keypad lock (Keyguard) on page 5.



The phone does not ring for an incoming call or for a text message when *Incoming call alert* is set to *Off* and *Message alert tone* is set to *Off*. See Tones (Menu 4) on page 31.



The alarm clock is set to *On*. See Alarm clock on page 38.



The countdown timer is running. See Countdown timer on page 42.



The stopwatch timing is running in the background. See Stopwatch on page 43.



All your calls are diverted to another number, *Divert all voice calls*. If you have two phone lines, the divert indicator for the first line is **1+** and for the second line is **2+**. See Call divert on page 33.

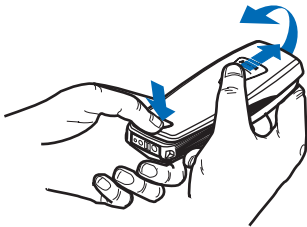


Calls are limited to a closed user group (network service). See Security settings on page 36.

## 2. Getting started

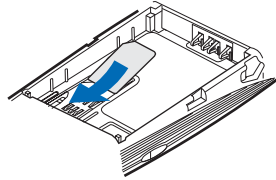
### ■ Installing the SIM card and the battery

- Keep all miniature SIM cards out of the reach of small children.
  - The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.
  - Before installing the SIM card, always make sure that the phone is switched off and you can then remove the battery.
1. With the back of the phone facing you, press the release button. Slide and lift the back cover off the phone in the direction of the arrows.

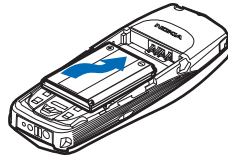


2. Lift the battery out of the phone, the end side first.

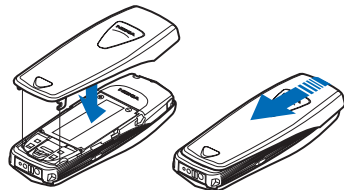
3. Insert the SIM card into the phone. Make sure that the SIM card is positioned correctly and that the golden contact area on the card is facing downwards.



4. Replace the battery.

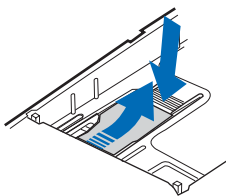


5. Replace the back cover. Make sure that the locking catches on the sides of the covers go in the notches on the phone.



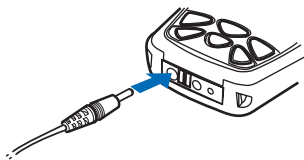
## Removing the SIM card

If you need to remove the SIM card from the phone, remove the back cover and the battery, press the snap of the SIM card holder down and gently push the SIM card towards the top of the phone.



## Charging the battery

1. Connect the lead of the charger to the socket on the bottom of your phone.




2. Connect the charger to an AC wall socket.

The text *Charging* is displayed briefly if the phone is switched on. When the battery is completely flat, it may take a few minutes before the charging indicator appears on the display or any calls can be made.

You can use the phone while the charger is connected.

The charging time depends on the charger and the battery used. For example, charging a BLC-2 battery with the ACP-7 charger takes about 3 hours and 45 minutes.

## Switching the phone on and off

Press and hold the power key, .

Note that if the phone displays *Insert SIM card* even though the SIM card is properly inserted, you should contact

your network operator or service provider. Your phone does not support 5 Volt SIM cards and the card may need to be changed.

- If the phone asks for a PIN code, key in the PIN code (displayed as \*\*\*\*), and press **OK**.

See also *PIN code request* in Security settings on page 36 and Access codes on page xiv.

- If the phone asks for a security code, key in the security code (displayed as \*\*\*\*), and press **OK**. See also Access codes on page xiv.







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



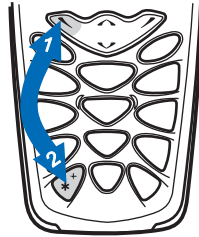
**TIPS ON EFFICIENT OPERATION:** Your phone has a built-in antenna. As with any other radio transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects


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.


## ■ Keypad lock (Keyguard)

You can lock the keypad to prevent the keys being accidentally pressed, for example, when your phone is in your bag.


- Locking the keypad




In standby mode, press **Menu** and then  within 1.5 seconds to lock the keypad.

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

- Unlocking the keypad

Press **Unlock** and then  within 1.5 seconds to unlock the keypad.


- When keyguard is on

To answer a call, press . During a call, the phone can be operated normally. When you end or reject a call, the keypad will automatically be locked.

- Automatic keypad

You can set the keypad to lock automatically after a certain time. See Keyguard settings on page 34.

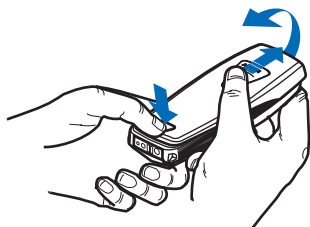


**Note:** When Keyguard is on, calls may be possible to the emergency number programmed into your phone (e.g. 112 or other official emergency number). Key in the emergency number and press . The number is displayed only after you have keyed in its last digit.

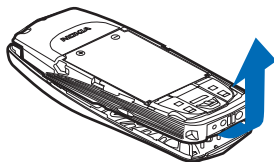
## ■ Changing the covers

Before changing either cover, always switch off the power and disconnect the phone from the charger or any other device. Always store and use the phone with the covers attached.

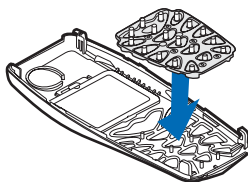
1. To remove the back cover of the phone, with the back of the phone facing you, press the back cover release button and slide the cover off the phone. See Installing the SIM card and the battery on page 3.



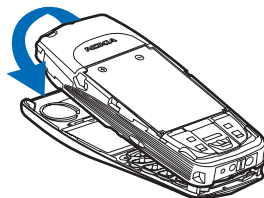
2. Gently pull the front cover off the phone starting from the bottom.



3. Replace the key mat on the new front cover, if necessary.



4. To replace the front cover, align the top of the phone with the top of the front cover and gently push the phone towards the cover. Ensure that the locking catches on the sides go in the notches on the phone, and that the cover is locked into place.



- To replace the back cover of the phone, direct the back cover towards the locking catches on the front cover and slide the back cover until it locks into place. See Installing the SIM card and the battery on page 3.

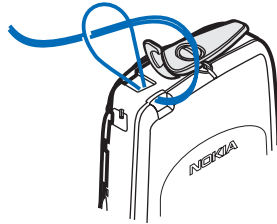
## ■ Putting on the carrying strap

- Take off the back and front cover, see Changing the covers on page 6.
- Lift the power key from the edge shown in the picture.



You can also remove the power key completely, but make sure not to lose it.



Insert the carrying strap by threading the strap as shown in the picture and tighten.






- Press the power key back in. Make sure it is properly in place.
- Replace the front and back cover, see Changing the covers on page 6.

## 3. Call functions


### ■ Making a call

1. Key in the phone number, including the area code. To edit the number on the display, press  or  to move the cursor and press **Clear** to delete the character to the left of the cursor.



For international calls, press  twice for the international prefix (the + character replaces the international access code) and then key in the country code, area code and the phone number.

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




### Making a call using the phone book

1. See Searching for a name in the phone book on page 17.
2. Press  to call the number on the display.

### Last number redialling



In standby mode, press  once to access a list of the 20 numbers you most recently called or attempted to call. Scroll to the number or name you want, and press  to call the number.


### Calling your voice mailbox

In standby mode, press and hold , or press  and .

If the phone asks for the voice mailbox number, key it in and press **OK**. See also Voice messages on page 26.

### Speed dialling a phone number


Assign a phone number to one of the speed dialling keys, (from  through ,) and you can call that number in either of the following ways:

- Press the speed dialling key you want and then press .
- If *Speed dialling* is activated, press and hold a speed dialling key until the call is started. See Speed dialling settings on page 33.



See also Assigning a number to a speed dialling key on page 19.


## Making a conference call

Conference calling is a network service that allows up to six people to take part in a conference call.

1. Make a call to the first participant.
2. To make a call to a new participant, press **Options** and select *New call*.
3. Key in or search the phone book for the phone number of the new participant and press **Call**. The first call is put on hold.
4. When the new call has been answered, include the first participant in the conference call. Press **Options** and select *Conference*.
5. To add a new participant to the call, repeat steps 2 through 4.
6. To have a private conversation with one of the participants:  
Press **Options** and select *Private*. Scroll to the desired participant and press **OK**. Once you have finished the private conversation, re-establish the conference call as described in step 4 above.
7. To end the conference call, press .

## Answering or rejecting an incoming call

Press  to answer the incoming call and press  to end the call.

Press  to reject the incoming call.



If you press **Silence**, only the ringing tone is muted. Then either answer or reject the call.



**Tip:** If the *Divert if busy* function is activated to divert the calls, for example to your voice mailbox, rejecting an incoming call will also divert the call. See Call divert on page 33.

## Call waiting


You can answer an incoming call while you have a call in progress if you have activated the function *Call waiting service*, see Call waiting service on page 33.

During a call, press  to answer the waiting call. The first call is put on hold. Press  to end the active call.

## ■ Options during a call

Press **Options** during a call for some of the following network service options (if they are available from your service provider and operator for the current call):

*Mute* or *Unmute*, *End call*, *End all calls*, *Phone book*, *Menu* and *Hold* or *Unhold*, *New call*, *Conference*, *Private*, *Answer* and *Reject*.





*Send DTMF* is used to send DTMF tone strings, for example, passwords or bank account numbers. Key in the DTMF string or search for it in the phone book and press **OK**. Note that you can key in the wait character w and the pause character p by repeatedly pressing .

*Swap* is used to switch between the active call and the call on hold.

*Transfer* is used to connect a call on hold to an active call and to disconnect yourself from the calls.

## 4. Writing text

You can key in text, for example, when writing messages, in two different ways, using the traditional method, or another method called predictive text input.


When you are writing text, the predictive text input is indicated by  and the traditional text input by  at the top left of the display. The character case is indicated by **Abc**, **abc**, or **ABC** next to the text input indicator, and you can switch the character case by pressing . The number mode is indicated by 123, and you can switch between the letter and number mode by pressing and holding .

### ■ Setting predictive text input on or off

When writing text, press **Options** and select *Dictionary*.



- To set the predictive text input on, select a language in the dictionary options list. Predictive text input is only available for the languages in the list.
- To change back to the traditional text input, select *Dictionary off*.




**Tip:** To quickly set the predictive text input on or off when writing text, press  twice, or press and hold **Options**.

### ■ Using predictive text input



You can key in any letter from A through Z with a single keypress. The predictive text input is based on a built-in dictionary to which you can also add new words.

1. Start writing a word by using the keys  through . Press each key only once for one letter. The word changes after each keystroke.

For example, to write **Nokia**

when the English dictionary is selected, press  once for N,



 once for o,  once for k,

 once for i and  once for a:




To insert a number while in letter mode, press and hold the desired number key.

For more instructions on writing text, see Tips for writing text on page 13.

- When you have finished writing the word and it is correct, confirm the word by pressing  or adding a space with .




If the word is not correct, you have the following options:

- Press  repeatedly until the word you want appears and confirm it.
- Press **Options** and select *Matches*.



If the ? character is displayed after the word, the word you intended to write is not in the dictionary. To add the word to the dictionary, press **Spell**, key in the word (traditional text input is used) and press **Save**. When the dictionary becomes full, the new word replaces the oldest one that was added.

- Start writing the next word.




## Writing compound words

Key in the first part of the word and confirm the word by pressing . Write the last part of the word and confirm the word by pressing  or .

## Using traditional text input

Press a number key,  through , repeatedly until the character you want appears. Not all of the characters available under a number key are printed on the key. The characters available depend on the language selected in the *Language* menu, see Language on page 34.

To insert a number while in letter mode, press and hold the desired number key.






- If the next letter you want is located on the same key as the present one, wait until the cursor appears, or press  or  and then key in the letter.
- The most common punctuation marks and special characters are available under the number key .

For more instructions on writing text, see Tips for writing text below.








## ■ Tips for writing text

You can also use the following keys for writing text:

- To insert a space, press .
- To move the cursor to the right or left, press  or , respectively.
- To delete a character to the left of the cursor, press **Clear**. Press and hold **Clear** to delete the characters more quickly.
- To insert a special character when using traditional text input, press  or when using the predictive text input, press and hold , or press **Options** and select *Insert symbol*.

Scroll through the list of characters and press **Use** to select a character.

To scroll through the list more quickly, press , ,  or , and press  to select a character.

- To insert a number while in letter mode, press **Options** and select *Insert number*. Key in the numbers you want and press **OK**.
- To insert a name or a phone number by searching for it in the phone book, press **Options** and select *Insert name* or *Insert number*.
- To insert a word when using predictive text input, press **Options** and select *Insert word*. Write the word using the traditional text input and press **Save**. The word is also added to the dictionary.

## 5. Using the menu

The phone offers you an extensive range of functions, which are grouped into menus. Most of the menu functions are provided with a brief help text. To activate the help texts, see Help text activation on page 35. To view the help text, scroll to the menu function you want and wait for 15 seconds. To exit the help text, press **Back**.

### ■ Accessing a menu function





#### By scrolling

1. To access the menu, press **Menu**.
2. Scroll through the menu and select, for example, *Settings* by pressing **Select**.
3. If the menu contains submenus, select the one you want, for example *Call settings*.
4. If the selected submenu contains further submenus, repeat step 3. Select the next submenu, for example *Anykey answer*.
5. Select the setting of your choice.
6. Press **Back** to return to the previous menu level, and **Exit** to exit the menu.

#### By shortcut

The menus, submenus and setting options are numbered and you can access them by using their shortcut numbers. The shortcut number is shown in the top right corner of the display.


- To access the menu, press **Menu** and within two seconds key in the index number of the menu function you want to access.

For example, to set the *Anykey answer On*, press **Menu**, , ,  and .

## 6. Menu functions

### ■ Phone book (Names - Menu 1)

You can save names and phone numbers in the phone's memory (internal phone book) or in the SIM card's memory (SIM phone book).

- The internal phone book can save a maximum of 500 names with several numbers and text notes for each name. The total number of names that can be saved depends on the number of names and the phone numbers and text items attached to them.
- The phone supports SIM cards that can save a maximum of 250 names and phone numbers. Names and numbers saved in the SIM card's memory are indicated by  .

### Selecting the phone book settings

1. Press **Names** or **Menu** and *Phone book* and then select *Settings*.
2. Select *Memory in use*, and select one of the following options:
  - Phone and SIM* to recall names and numbers from both phone books. The names and numbers will be saved in the phone's memory.
  - Phone* to use the phone's internal phone book.
  - SIM card* to use the SIM card's phone book.
3. Select *Phone book view* and select one of the following options:
  - Name list* to show three names at a time.
  - Name and no.* to show one name and one phone number at a time.
4. Select *Memory status*. Select *Phone* or *SIM card* to see how many names and phone numbers are currently saved and how many can still be saved in the selected phone book.

## Saving names and phone numbers (Add name)

Names and numbers will be saved in the memory currently being used, see *Selecting the phone book settings* above.

1. Press **Names** or **Menu** and *Phone book* and select *Add name*.
2. Key in the name and press **OK**. See *Writing text* on page 11.
3. Key in the phone number and press **OK**. To key in the numbers, see *Making a call* on page 8.
4. When the name and number are saved, press **Done**.



### Tip: Quick save










In standby mode, key in the phone number. Press **Options** and select *Save*. Key in the name and press **OK**.

## Saving multiple numbers and text items per name

You can save a maximum of five phone numbers and three brief text items in the phone's internal phone book for each name. You can choose to select any three text items, out of four text types: e-mail, web address, postal address, and note.



The first number saved under a name is automatically set as the default number, and is indicated by . When you select a name from the phone book, for example, to make a call, the default number is used unless you select another number.

1. Make sure that the memory in use is either *Phone* or *Phone and SIM*, since multiple numbers and text items can only be saved in the phone's memory. See *Selecting the phone book settings* on page 15.
2. To access the list of names and phone numbers, press or in standby mode.
3. Scroll to the name saved in the phone's internal phone book to which you want to add a new number or text item and press **Details**. (If the name is not saved in the phone, the phone will ask you whether you want to save it there.)
4. Press **Options** and select *Add number* or *Add info*.

- Select one of the following number or text types:
  -  **General** is the default type used when no other number type is set as the default number. Other number types are  **Mobile**,  **Home**,  **Office** and  **Fax**.
  - Text types are  **E-mail**,  **Postal addr.**,  **Note** and  **Web address:**.

To change the number or text type, select **Change type** in the options list.
- Key in the number or text item and press **OK** to save it.
- Press **Back** and then **Exit** to return to standby mode.



### Changing the default number

Press  or  in standby mode, scroll to the name you want and press **Details**. Scroll to the number you want to set as the default. Press **Options** and select **Set as default**.

## Searching for a name in the phone book

- Press **Names** or **Menu** and **Phone book**, then select **Search**.
- Either press **List** to access the phone book or key in the first character(s) of the name you are searching for and press **Search**. The matches appear with the pop-up window.
- Scroll to the name you want and press **Details**. Scroll to view the details of the selected name.



**Tip:** To find a name and phone number quickly, press  or  in standby mode. Key in the first letter(s) of the name, and/or scroll to the name you want.

## Editing a name, number or text item

Search for the name (and number) you want to edit and press **Details**. Scroll to the name, number or text item you want to edit, and press **Options**. Select **Edit name**, **Edit number** or **Edit info**, edit the name, number or text and press **OK**.

## Erasing names and numbers

Press **Names or Menu** and *Phone book*, and select *Erase*.

- To delete names and numbers one by one, select *One by one* and scroll to the name (and number) you want to delete. Press **Erase** and press **OK** to confirm.
- To delete all names and numbers in the phone book at once, select *Erase all* and then scroll to the phone book, *Phone* or *SIM card* and press **Erase**. Press **OK** and confirm with your security code.

## Copying phone books

You can copy names and phone numbers from the phone's memory to your SIM card's memory and vice versa.

1. Press **Names or Menu** and *Phone book*, and select *Copy*.
2. Select the copying direction, *From phone to SIM card* or *From SIM card to phone*.

3. Select *One by one*, *All* or *Default nos.*.

- If you select *One by one*, scroll to the name you want to copy and press **Copy**.

*Default nos.* is shown if you copy from the phone to the SIM card. Only the default numbers will be copied, since your SIM card may not support multiple numbers stored under one name.

4. To select whether you want to keep or erase the original names and numbers, choose *Keep original* or *Move original*.
  - If you select *All* or *Default nos.*, press **OK** when *Start copying?* or *Start moving?* is displayed.

## Sending and receiving a business card

You can send and receive a person's contact information as a business card as an Over The Air (OTA) message, if supported by the network.

- **Receiving a business card**

When you have received a business card as an Over The Air (OTA) message, press **Show**. Press **Options** and select *Save* to save the business card in the phone's memory, or *Discard* to discard the received business card.

- **Sending a business card**

You can send a person's contact info as a business card to a compatible phone or other compatible handheld device that supports the vCard standard.

1. Search the phone book for the name and phone number you want to send, press **Options** and select *Send bus. card*.
2. To send the business card as an OTA message, select *Via text msg.*

## Assigning a number to a speed dialling key

Press **Names** or **Menu** and *Phone book* and select *Speed dials*. Scroll to the speed dialling key number you want.

- Press **Assign** and then **Search**. Select the name first and then the number you want to assign to that key.

- If a number is already assigned to that key, press **Options**, and you can view, change or erase the assigned number.

To make a call using the speed dialling keys, see Speed dialling a phone number on page 8.

## Voice dialling

You can make a phone call by saying a voice tag that has been added to a phone number. You can add a maximum of 14 voice tags. Any spoken word(s), such as a person's name(s), can be a voice tag.

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.

### Adding a voice tag

Save or copy the names and phone numbers to which you want to add a voice tag in the phone's memory.

You can also add voice tags to the names in the SIM card, but if you replace your SIM card with a new one, you first need to delete the old voice tags before you can add new ones.

1. In standby mode, press  or .
2. Scroll to the name to which you want to add a voice tag and press **Details**. Scroll to the phone number you want and press **Options**.
3. Select *Add voice tag*.
4. Press **Start**, and speaking clearly say the word(s) you want to record as a voice tag. After recording, the phone plays the recorded tag.

5. When the voice tag has been successfully saved, *Voice tag saved* is displayed, a beep sounds and a symbol  appears after the phone number with the voice tag.

### Making a call using a voice tag

When an application using the GPRS connection is sending or receiving data, you cannot make a call using voice dialling. To make a call using a voice tag, end the application using the GPRS connection.

1. In standby mode, press and hold **Names**. A short tone is heard and *Speak now* is displayed.
2. Say the voice tag clearly.
3. The phone plays the recognised voice tag and then dials the phone number of the voice tag after 1.5 seconds.

If you are using the headset, press and hold the headset key to start the voice dialling.

### Replaying, changing or erasing a voice tag

Press **Names** and select *Voice tags*. Scroll to the name with the voice tag you want, and press **Options**.


- To replay the voice tag, select *Playback*.
- To erase the voice tag, select *Erase* and press **OK**.



- To change the voice tag, select *Change*. Press **Start** to add the new voice tag.

## Service numbers

You can call the service numbers of your service provider if the numbers are included on your SIM card.

Press **Names** and select *Service Nos.* Scroll to a service number and press  to call the number.

## Ringling tone per name

You can assign a ringing tone to each phonebook memory entry. You can, for example, assign the same ringing tone to all your friends or colleagues.

1. Press **Names** or **Menu** and *Phone book*, and scroll to the entry (name) to which you want to assign a ringing tone.
2. Press **Details** and then **Options**. Select *Ringling tone* and then choose the ringing tone you want to assign to the entry. Note that *Default* means you will use the same general ringing tone used in the active profile.

## Messages (Menu 2)



You can read, write and send text and picture messages or save your messages. All the messages in your phone's message memory are organised in folders.

Before you can send any text or picture messages, you need to save your message centre number, see Text message settings on page 26.

You can also receive multimedia messages with text, ringing tones and graphics. Multimedia messages will be dealt with in Receiving multimedia messages, starting on page 27.

## Writing and sending text messages

Your phone is able to send and receive multi-part messages comprised of several ordinary text messages (network service).

Invoicing is based on how many ordinary messages are needed for a multi-part message.

The number of available characters and the current part number of a multi-part message are shown at the top right of the display.

1. Press **Menu**, and select *Messages* and *Write message*.
2. Key in a message. See Writing text on page 11.  
See also Inserting a text template into a message on page 23 and Inserting a picture template into a message on page 23.
3. To send the message, press **Options** and select *Send*.
4. Enter the recipient's phone number and press **OK** to send the message, or search for the phone number in the phone book. Press **OK** to send the message.



**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.

## Options for sending a message

After you have written a message, press **Options**, and select *Sending options*.



- To send a message to several recipients, select *Send to many*. When you have sent the message to everyone you want to send it to, press **Done**.
- To send a message using a message profile, select *Sending profile* and then the message profile you want to use.

For example, if you select a profile that you have defined for e-mail transmission, key in or search the phone book for the recipient's e-mail address and press **OK**. Key in the e-mail service number and select *Accept* to send the message.

To define a message profile, see Text message settings on page 26.

- To forward a message to several recipients or using a message profile, select *Forw. options* and then select *Send to many* or *Sending profile*, respectively.

## Text and picture templates

Press **Menu**, select *Messages* and *Templates*. The list of text templates, indicated with , and picture templates, indicated with , is displayed.

Your phone offers you 10 picture message templates. You can also save new pictures into the *Templates* folder. More pictures can be found on the Nokia website, <http://www.club.nokia.com>.



**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.


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

## Inserting a text template into a message

When you are writing or replying to a message, press **Options**. Select *Use template* and select the template that you want to insert.


## Inserting a picture template into a message


When you are writing or replying to a message, press **Options**. Select *Attach picture* and select a picture to view. Press **Attach** to insert the picture into your message.

The  indicator on the header of the message indicates that a picture has been attached. The number of characters that you can enter in a message depends on the size of the picture.

To view the text and the picture together before sending the message, press **Options** and select *Preview*.



## Reading and replying to a text message

When you have received a text or picture message, the indicator  and the number of new messages followed by *messages received* will appear on the display.

The blinking  indicates that the message memory is full. Before you can receive or send new messages, delete some of your old messages.

1. Press **Show** to view the message, or press **Exit** to view it later.

**Reading the message later:** Press **Menu**, select *Messages* and *Inbox*.

- If more than one message is received, select the message you want to read. An unread text message is indicated by  and an unviewed picture message is indicated by  in front of it.
- While reading or viewing the message, press **Options**.

You can select an option to erase, forward, edit, move, and rename the message you are reading. You can also change the font size of the message. Select *Copy to calend.* to copy the message to your phone's calendar as a reminder note for the current day.

Select *Details* to view, for example, the sender's name and phone number, the message centre used, the date and time the message was received.

Select *Use number* to extract numbers from the current message.

Select *Save picture* to save the picture in the *Templates* folder.

Select *Reply* to reply to a message. Select *Original text* to include the original message in the reply, or select standard answers, for example, *Thank you* or *Congrats* or *Template* to be included in the reply, or select *Empty screen*.

- Write your reply message.
- Press **Options**, select *Send* and press **OK** to send the message to the displayed number.

### Inbox and outbox folders

After you have read an incoming text or picture message, the phone saves the message in the *Inbox* folder of the *Messages* menu.

You can save a message that you want to send later in the *Outbox* or *Archive* folder.

### Erasing text messages

Press **Menu**, select *Messages* and select *Erase messages*.

To delete all the messages in a folder, scroll to the folder and press **OK**. Then press **OK** when *Erase all read messages from folder?* is displayed.

To delete all read messages from all the folders, scroll to *All read* and press **OK**. Then press **OK** when *Erase read messages from all folders?* is displayed.

## Chat

You can have a conversation with other people using this faster text message service. Messages sent or received during a chat session are not saved.

1. To start a chat, press **Menu**, select *Messages* and *Chat*. Key in or search the phone book for the phone number of the person with whom you want to start the chat session and press **OK**.

### Another way to start a chat:

When you have received a message, press **Show** to read it.

To start a chat, press **Options** and select *Chat*.

2. Key in your nickname for the chat and press **OK**.
3. Write your chat message, see Writing text on page 11.
4. To send the message, press **Options** and select *Send*.
5. The reply message from the other person is shown above your original message. To reply to the message, press **OK** and repeat step 3.

To view the latest messages sent and received during the current chat session, press **Options** and select *Chat history*. The messages you sent are indicated by "<" and your nickname, and the messages you received by ">" and the sender's nickname. Press **Back** to return to the message you are writing.

To edit your nickname, select the option *Chat name*.

## My folders and Archive folder

To organise your messages, you can add new folders and then move messages to the new folder or to *Archive* folder.

To add or delete a folder, press **Menu**, select *Messages* and *My folders*.


- To add a folder, press **Options** and select *Add folder*.
- To delete a folder, scroll to the folder you want to delete, press **Options** and select *Delete folder*.

To move a message to another folder, press **Options** while reading the message you want to move. Select *Move*, scroll to the folder where you want to move the message and press **OK**.

## Voice messages


Voice mailbox is a network service and you may need to subscribe to it first. For more information and for the voice mailbox number, contact your service provider.

Press **Menu**, select *Messages* and *Voice messages*. Select

- *Listen to voice messages* to call your voice mailbox at the phone number you have saved within the *Voice mailbox number* menu. Note also that pressing and holding  calls your voice mailbox.

Each phone line may have its own voice mailbox number, see Line for outgoing calls on page 34.

- *Voice mailbox number* to key in or edit your voice mailbox number and press **OK** to save it.

If supported by the network, the indicator  will indicate new voice messages. Press **Listen** to call your voice mailbox number.

## Info messages

With the info message network service, you can receive messages on various topics, for example weather or traffic conditions, from your service provider. For available topics and relevant topic numbers, contact your service provider.

If the *GPRS connection* is set to *Always online*, the info messages may not be received. In that case, set the *GPRS connection* to *When needed*, see Setting up the phone for a WAP service on page 44.

## Service command editor

Press **Menu**, select *Messages* and *Service command editor*. Key in and send service requests (also known as USSD commands), such as activation commands for network services, to your service provider.

## Text message settings

Text message settings affect the sending of messages.

Press **Menu**, select *Messages*, *Message settings* and *Text messages*. If more than one message profile set is supported by your SIM card, select the message profile set that you want to change. Select

- **Message centre number** to save the phone number of the message centre. You need the message centre number to send text and picture messages. You receive the number from your service provider.
- **Messages sent as** to select the message format.
- **Message validity** to set how long the network will attempt to send you a message, for example, when your phone is turned off.
- **Default recipient number** to save a default number to send messages for this message profile.
- **Delivery reports** to request the network to send delivery reports about your messages (network service).
- **Use GPRS** to set GPRS as the preferred SMS bearer.
- **Reply via same centre** to allow the recipient of your message to send you a reply via your message centre (network service)
- **Rename sending profile** to change the name of the selected message profile.

## ■ Receiving multimedia messages

The multimedia messaging service enables you to receive multimedia messages. These messages can contain text, graphics and sound parts. The graphic part can be saved for use as a screen saver, and the sound part can be saved for use as a ringing tone.

You can store three Multimedia messages in the Multimedia inbox. Graphic parts can be saved in the Pictures folder and sound parts in the ringing tone list. See Viewing multimedia messages on page 28.

The following formats are supported:

- Text: Unicode
- Graphic: GIF87, GIF89a, BMP, PNG, OTA-BMP, JPEG and WBMP
- Sound: Polyphonic sound (MIDI)

If a received message contains any unsupported elements, they are replaced by a fixed text *Object type not supported*.

The size of the multimedia message can be a maximum of 30 KB. If the size of the message exceeds 30 KB, you will not be able to receive the message. Depending on your network operator or service provider, you may receive an SMS, which contains an Internet address where you can view the multimedia message. If the multimedia message contains images larger than the display, the phone scales them down to fit the display area.



**Note:** The default setting of the multimedia message service is on (*Allow multimedia reception* is set to *Yes*), and your operator or service provider may charge you for every message you receive.

## Multimedia messaging settings

Press **Menu**, select *Messages*, *Message settings* and *Multimedia msg..* Select

- *Allow multimedia reception* - choose *No*, *Yes* or *Home network* to use the multimedia service. If you choose *Home network*, you cannot receive multimedia messages when outside your own network.

- *Incoming multimedia* - choose one of the following:
  - *Reject* not to receive multimedia messages, and a notification of this is sent to the network.
  - *Retrieve* to receive multimedia messages.
- *Allow adverts* to receive or reject adverts.
- *Connection settings* - you can define WAP connection settings for retrieving multimedia messages. You can edit the settings (*Edit active multimedia settings*) or activate them (*Active multimedia settings*). For more information on editing the settings, see Mobile Internet services, WAP (Menu 10) on page 44.

## Viewing multimedia messages

When you have received a multimedia message, the text *Multimedia message received* is shown.

### Viewing the received message

Press **Show** to view the message, or press **Exit** to delete it.



Note that if you press **Exit**, you cannot view the message later. If you want to view the message later, you have to save it by pressing **Show, Options** and then selecting *Save message*.

You also have the following options available when you press **Options**:

- *Play* to listen to a sound clip.
- *Save tone* to save a sound part in the ringing tone list.
- *Discard* to delete a message.
- *Details* to view the message subject, size and class.
- *Save image* to save the attached image, for example, to be used as a screen saver.

### Viewing a saved message

Press **Menu**, select *Messages* and *Multimedia inbox*. Select the message you want to read.

When viewing the message, press **Options**. Select

- *Play* to listen to a sound clip.
- *Save tone* to save the sound part in the ringing tone list.
- *Details* to view the message subject, size and class.
- *Erase message* to delete the message.
- *Save image* to save the attached image, for example, to be used as a screen saver.

### Call register (Menu 3)



The phone registers the phone numbers of missed, received and dialled calls, and the approximate length and cost of your calls.


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

When you press **Options** in the *Missed calls*, *Received calls* and *Dialled numbers* menus, you can view the date and the time of the call, edit or erase the phone number from the list, save the number in the phone book, or send a message to the number.

### Missed calls and received calls

To view a list of the last ten phone numbers from which somebody has tried to call you (network service), press **Menu**, select *Call register* and *Missed calls*.



**Tip:** When a note about missed calls is being displayed, press **List** to access the list of phone numbers. Scroll to the number you would like to call back and press .

To view a list of the last ten phone numbers from which you have most recently accepted calls (network service), press **Menu**, select *Call register* and *Received calls*.

### Dialled numbers

To view a list of the 20 phone numbers that you have most recently called or attempted to call, press **Menu**, select *Call register* and *Dialled numbers*. See also Last number redialling on page 8.

### Erase recent call lists

To erase the recent calls lists, press **Menu**, select *Call register* and select *Erase recent call lists*. Select whether you want to delete all the phone numbers in the recent call lists, or only the numbers in the missed calls, received calls or dialled numbers lists. You cannot undo the operation.

### Call counters and call timers



**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.

Press **Menu** and select *Call register*. Select

- *Call duration* and scroll to view the approximate duration of your incoming and outgoing calls in hours, minutes and seconds. To clear the timers, your security code is needed.

Each phone line has its own call timers and the timers of the selected line are displayed. See Line for outgoing calls on page 34.

- *Call costs* (network service) and select *Last call units* or *All calls' units* to check the cost of your last call or all calls.

Select *Call cost settings* and then select *Clear counters* or *Show costs in* to set the phone to show the remaining talk time in terms of charging units, *Units*, or units of currency, *Currency*.

Contact your service provider for charging unit prices. Select *Call cost limit* to limit the cost of your calls to a certain amount of charging units or units of currency. The PIN2 code is needed for the call cost settings.



**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).

- *GPRS data counter* and scroll to check the amounts of data that were most recently sent and received, data sent and received in total, and to clear the counters. The counter unit is a byte.
- *GPRS connection timer* and scroll to check the duration of the last GPRS connection or the total duration of GPRS connection. You can also clear the timers.

## ■ Tones (Menu 4)



Press **Menu**, select *Tones* and *Tone settings*. You can find the same settings in the *Profiles* menu, see Profiles (Menu 5) on page 31.

Select *Incoming call alert* to choose how the phone notifies you of an incoming voice call. The options are *Ring*, *Ascending*, *Ring once*, *Beep once* and *Off*.

Select *Ring*, *Ring volume* and *Vibrating alert* for an incoming voice call and an incoming message. The vibrating alert does not work when the phone is connected to a charger, desktop stand or a car kit.

Select *Message alert tone* to set the alert tone for incoming messages, *Keypad tones*, or *Warning tones* to set the phone to sound tones, for example, when the battery is running out of power.

If you receive a traditional ringing tone as an OTA message, you can save it in the ringing tone list. You can also download polyphonic ringing tones from a predefined WAP site using the *Tone services* submenu, or via MMS. The number of ringing tones you can save in the ringing tone list depends on the size of an individual ringing tone. If there is no free space for ringing tones, you can replace a previously stored ringing tone with the received one. The ringing tone list contains both traditional and polyphonic ringing tones.

## ■ Profiles (Menu 5)



Your phone has various setting groups, or profiles, for which you can customise the phone tones for different events and environments. First, personalise the profiles to your liking and then you only need to activate a profile to use it.

Available profiles are *General*, *Silent*, *Discreet*, *Loud*, *My style 1*, and *My style 2*.

Press **Menu** and select *Profiles*. Scroll to a profile and press **Select**.

- To activate the profile, select *Activate*.



**Tip:** To quickly change the profile in standby mode, press the power key **Ⓛ**, scroll to the profile you want to activate and press **Select**.

- To set the profile to be active for a certain amount of time up to 24 hours, select *Timed* and set the desired time length. When the time set for the profile expires, the previous profile that was not timed, becomes active.
- To personalise the profile, select *Personalise*. Select the setting you want to change and make the changes.

For the currently active profile, the settings can also be changed in the *Tones* menu, see Tones (Menu 4) on page 31. In addition, you can rename a profile, *Profile name*. The *General* profile cannot be renamed.

## ■ Settings (Menu 6)



### Time and date settings

#### Clock settings

Press **Menu**, select *Settings, Time and date settings* and *Clock*. Select

- *Show clock (Hide clock)* and the time is shown on the top right of the display when the phone is in standby mode.
- *Set the time*, key in the correct time and press **OK**.
- *Time format* and set the 12-hour or 24-hour time format.

The clock also serves the functions *Messages, Call register, Alarm clock*, timed *Profiles* and *Calendar*.

If the battery is removed from the phone for more than a few minutes, you may need to set the time again.

#### Date settings

Press **Menu**, select *Settings, Time and date settings* and *Date*. Select

- *Set the date* to give the current date.
- *Date format* to choose how the date is displayed.

#### Automatic update of date and time

Select *Auto update of date & time* and *On* to set the phone to automatically update the time and date according to the current time zone. To set the phone to ask for confirmation before the update, select *Confirm first*.

## Call settings

### Call divert

Press **Menu**, select *Settings, Call settings* and *Call divert* (network service). With call divert, you can direct your incoming calls to another number, for example, to your voice mailbox number. For details, contact your service provider. Divert options that are not supported by your SIM card or your network operator may not be shown.


Select the divert option you want, for example, select *Divert if busy* to divert voice calls when your number is busy or when you reject an incoming call.

To activate the divert setting, select *Activate*, to deactivate the divert setting, select *Cancel*, or *Check status* to check whether the divert is activated or not. To change the timeout during which the call is diverted, first select *Set delay*, if this is available for the divert option, and then select *Activate* to turn the divert setting on.

To cancel all the active call diverts at once, select the option *Cancel all diverts*.

To see the divert indicators in standby mode, see Standby mode on page 2.



### Anykey answer

Press **Menu**, select *Settings, Call settings* and then *Anykey answer*. Select *On* and you can answer an incoming call by briefly pressing any key, except **1** and .

### Automatic redial

Press **Menu**, select *Settings, Call settings* and *Automatic redial*. Select *On* and your phone will make a maximum of ten attempts to connect the call after an unsuccessful call attempt.

### Speed dialling settings

Press **Menu**, select *Settings, Call settings* and *Speed dialling*. Select *On* and the names and phone numbers connected to the speed dialling keys, from  to , can be dialled by pressing and holding the corresponding number key. See Assigning a number to a speed dialling key on page 19.

Note that speed dialling will be activated automatically when you save the first speed dialling entry, if speed dialling has not been activated already.

### Call waiting service

Press **Menu**, select *Settings, Call settings* and *Call waiting service*. Select *Activate* and the network will notify you of an incoming call while you have a call in progress (network service). See Call waiting on page 9.

### Summary after call

Press **Menu**, select *Settings, Call settings* and *Summary after call*. Select *On* and the phone will briefly display the duration and cost (network service) of the last call.

### My number sending

Press **Menu**, select *Settings, Call settings* and *My number sending*. Select *On* and your phone number will be displayed to the person you are calling (network service). Select *Set by network* to reset the phone to the setting that you have agreed upon with your service provider.

### Line for outgoing calls


Line for outgoing calls is a network service to select the phone line (that is, subscriber number) 1 or 2 for making calls.

Press **Menu**, select *Settings, Call settings* and *Line for outgoing calls*. If you select *Line 2* and have not subscribed to this network service, you will not be able to make calls. However, calls on both lines can be answered regardless of the selected line.

If supported by your SIM card, you can prevent the line selection by selecting the option *Lock*.

For more information on availability, contact your network operator or service provider.



**Tip:** In standby mode, you can switch from one line to the other by pressing and holding .

## Phone settings

### Language

Press **Menu**, select *Settings, Phone settings* and *Language*. Select the language for the display texts. If *Automatic* is selected, the phone selects the language according to the information on the SIM card.

### Keypad settings

Press **Menu**, *Settings, Phone settings* and *Automatic Keypad*. Select *On* to activate the keypad on and select the time after which the keypad automatically locks.

### Cell info display

Press **Menu**, select *Settings, Phone settings* and *Cell info display*. Select *On* to set the phone to indicate when it is used in a cellular network based on Micro Cellular Network (MCN) technology.

If the *GPRS connection* is set to *Always online*, the info messages may not be received. In that case, set the *GPRS connection* to *When needed*, see Setting up the phone for a WAP service on page 44.

## Welcome note

Press **Menu**, select *Settings, Phone settings* and *Welcome note*. Key in the note you would like to be shown briefly when the phone is switched on. To save the note, press **Options**, and select *Save*.

## Network selection

The cellular network to which your phone is connected can be selected either manually or automatically.

Press **Menu**, select *Settings, Phone settings* and *Network selection*. Select *Automatic* and the phone automatically selects one of the cellular networks available in your area.

If you select *Manual*, the phone shows a list of the available networks and you can select a network that has a roaming agreement with your home network operator. Otherwise, *No access* will be displayed and you must select another network. The phone stays in manual mode until the automatic mode is selected or another SIM card is inserted into the phone.

## Confirm SIM service actions

See SIM services (Menu 11) on page 53.

## Help text activation

To set the phone to show or not to show the help texts, press **Menu**, select *Settings, Phone settings* and *Help text activation*.

See also Using the menu on page 14.

## Start-up tone

To set the phone to play or not to play a start-up tone when the phone is switched on, press **Menu**, select *Settings, Phone settings* and *Start-up tone*.

If you have set a welcome note, the start-up tone will not be played, see Welcome note on page 35.

## Accessory settings

The accessory settings menu is shown only if the phone is or has been connected to one of the following accessories: headsets HDC-5 or HDE-2, loopset LPS-3 or handsfree car kits PPH-1 or CARK 125.

Press **Menu**, select *Settings* and *Accessory settings*. Select *Headset*, *Handsfree* or *Loopset*.

- Select *Default profile* to select the profile you want to automatically activate when you connect the selected accessory. You can select another profile while the accessory is connected.
- Select *Automatic answer* to set the phone to automatically answer an incoming call after five seconds. If the *Incoming call alert* is set to *Beep once* or *Off*, automatic answer will not be used.
- Select *Lights* to set the lights permanently on, *On*. Select *Automatic* to switch the lights on for 15 seconds after a keypress. The *Lights* option is only available when *Handsfree* is selected.
- Select *Use loopset* to use the loopset instead of the headset, *Yes*. *Use loopset* is available only when *Loopset* is selected.

## Security settings



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

Press **Menu**, select *Settings* and *Security settings*. Select

- *PIN code request* to set the phone to ask for your PIN code every time the phone is switched on. Some SIM cards do not allow the PIN code request to be turned off.
- *Call barring service* (network service) to restrict incoming calls to and outgoing calls from your phone. A barring password is required.
- *Fixed dialling* to restrict your outgoing calls to selected phone numbers, if this function is supported by your SIM card. The PIN2 code is required.
- *Closed user group*. Closed user group is a network service that specifies the group of people whom you can call and who can call you. For more information contact your network operator or service provider.
- *Security level*. Select *Phone* and the phone will ask for the security code whenever a new SIM card is inserted into the phone.



Select *Memory* and the phone will ask for the security code whenever you want to select the phone's internal memory or to copy from one memory to another. See *Selecting the phone book settings* on page 15 and *Copying phone books* on page 18.

- *Change of access codes* and you can change security code, PIN code, PIN2 code or barring password. Codes can only include numbers from 0 to 9.

Note that you should avoid using access codes similar to emergency numbers, such as 112, to prevent accidental dialling of an emergency number.

## Restore factory settings

To reset some of the menu settings to their original values, press **Menu**, select *Settings* and *Restore factory settings*. Key in the security code and press **OK**. For example, the names and phone numbers saved in the phone book are not deleted.

## Games (Menu 7)



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

## Starting a game

Press **Menu**, select *Games* and *Select game*. Select the game you would like to play: *Kart racing*, *Space Impact*, *Dance2Music*, *Link5* or *Bumper*. If available for the game, select the game type and then *New game*.

You can read instructions on how to use the keys and how the game works by selecting *Instructions* from the submenu.

## Game services and game settings

Press **Menu**, select *Games* and *Game services* or *Settings*. Select

- *Game services* and the phone will try to connect to the WAP pages of Club Nokia by using the currently active service settings.

If the connection fails, you may not be able to access Club Nokia from the WAP service whose connection settings are currently active. In this case, enter the [Services](#) menu and activate another set of service settings, see Making a connection to a WAP service on page 47. Try again to connect to Club Nokia.

For the availability of different WAP services, pricing and tariffs, contact your network operator and/or WAP service provider.

- [Settings](#) to set sounds, lights and vibrator, [Shakes](#), for the game. You can save your Club Nokia membership number, [Club Nokia ID](#). For more information on Club Nokia and the game services, visit [www.club.nokia.com](http://www.club.nokia.com). Availability may vary by country.

Under [Settings](#) select [Game controls](#) and

- [Default](#) to activate the optimised game settings when you are not using the games cover.
- [Games cover](#) to activate the optimised game settings when you are using the games cover.

## ■ [Organiser \(Menu 8\)](#)



### Alarm clock

The alarm clock uses the time format set for the clock. The alarm clock works even when the phone is switched off.

Press **Menu**, select [Organiser](#) and [Alarm clock](#). Key in the alarm time and press **OK**. To change the time when the alarm time is set, select [On](#).

#### When the alarm time expires

The phone will sound an alert tone, and flash **Alarm!** and the alarm time on the display.

Press **Stop** to stop the alarm. If you let the phone continue to alarm for a minute or press **Snooze**, the alarm stops for a few minutes and then resumes.

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.

## Calendar

The calendar helps you to keep track of reminders, calls that you need to make and birthdays. The phone can sound an alarm tone when the set date for an event is reached, if you have set an alarm for the note.



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

Press **Menu**, select *Organiser* and *Calendar*. Scroll to the day you want. If you want to see the day's notes, press **Options** and select *Day notes*. The note indicator is shown on the first line. You can view a single note by scrolling to it in day view, then pressing **Options** and *View*. The week view shows four weeks at a time.

**The other options for the calendar views may include:**



- Options for making a note, for sending a note directly to another phone's calendar or as a text message.
- Options for erasing, editing, moving and repeating a note and for copying a note to another day.

- *Settings* to set, for example, the date, time, date format or time format. In the *Auto erase* option, you can set the phone to automatically delete old notes after a specified time. However, the repeat notes, for example, birthday notes, will not be deleted.

## Making a calendar note

For keying in letters and numbers, see Writing text on page 11.

Press **Menu**, select *Organiser* and *Calendar*. Scroll to the date you want, press **Options** and select *Make a note*. Select one of the following note types:

-  *Reminder* - Key in the note, press **Options** and *Save*. Choose whether you want an alarm for the reminder, and enter the time if you wish.
-  *Call* - Key in the phone number and press **Options** and *Save*. You can also search for the number in the phone book by pressing **Options** and *Search*. Then key in the time for the call and press **OK**. If you wish, select *With tone* to set an alarm for the note, and the time for the alarm.

- 🎁 *Birthday* - Key in the person's name (or search for it in the phone book by pressing **Options** and *Search*), press **Options** and *Save*. Then key in the year of birth, and press **OK**. If you key in the year, the note shows you the person's age after their name. If you wish, select *With tone* to set an alarm for the note, and the time for the alarm.

When a tone alert is set, the indicator 📞 is displayed when you view the notes.

### When the phone alarms for a note

The phone beeps and displays the note. With a call note 📞 on the display, you can call the displayed number by pressing 📞. To stop the alarm and view the note, press **View**. To stop the alarm without viewing the note, press **Exit**.

## Tools (Menu 9)



### Screen saver

The screen saver can be a still picture, an animation or a clock.

1. To set a screen saver on for a profile, press **Menu**, select *Profiles*, then the profile you want, select *Personalise, Screen saver* and *On*.  
To use a screen saver for the currently active profile, press **Menu**, select *Tools, Screen saver* and *On*.
2. To select a screen saver picture for a profile, press **Menu**, select *Profiles*, then the profile you want, select *Personalise, Screen saver* and *Screen savers*. You can also select a screen saver picture for the currently active profile by pressing **Menu**, and then selecting *Tools, Screen saver* and *Screen savers*. Choose either of the following:

- **Pictures:** Choosing *Pictures* will give you a list of pictures, possibly animated, that you can choose as the screen saver by pressing **Options** and *Select*. You can also preview the picture by selecting *Preview*.

Note that when using an animated screen saver, the phone's power consumption is increased.

- **Clocks:** Choosing *Clocks* lets you choose an analogue or digital clock as the screen saver.

To deactivate the screen saver for a profile, press **Menu**, select *Profiles*, the profile you want, *Personalise*, *Screen saver* and *Off*. You can also deactivate the screen saver for the currently active profile by pressing **Menu**, select *Tools*, *Screen saver* and *Off*.

### Screen saver activation timeout

To set the time length after which the screen saver will activate, press **Menu**, select *Profiles*, the profile you want, *Personalise*, *Screen saver* and *Timeout*. Or to set the timeout for the currently active profile, press **Menu**, select *Tools*, *Screen saver* and *Timeout*. You can choose the time from the list or key in any time you want by choosing *Other*.

### Receiving screen savers via MMS or picture messaging

You can receive animated or still pictures that you can use as screen savers via the multimedia messaging service (MMS) or picture messaging service (GMS). The pictures are saved in the *Pictures* folder under *Messages*. To use a picture as a screen saver, scroll to the picture you want, and press **Options** and then select *Use as s. saver*.


### Calculator

The calculator in your phone adds, subtracts, multiplies, divides, calculates the square and the square root and converts currency values.




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

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

1. Press **Menu**, select *Tools* and *Calculator*.
2. When '0' is displayed on the screen, key in the first number in the calculation, press  for a decimal point.


3. Press **Options** and select *Add*, *Subtract*, *Multiply*, *Divide*, *Square*, *Square root* or *Change sign*.



**Tip:** Alternatively, press  once to add, twice to subtract, three times to multiply or four times to divide.


4. Key in the second number.
5. For a total, press **Options** and select *Equals*. Repeat steps 3 to 5 as many times as is necessary.
6. To start a new calculation, first press and hold **Clear**.

### Making a currency conversion

1. Press **Menu**, select *Tools* and *Calculator*.
2. To save the exchange rate, press **Options** and select *Exchange rate*. Select either of the displayed options. Key in the exchange rate, press  for a decimal point and press **OK**. The exchange rate remains in the memory until you replace it with another one.
3. To make the currency conversion, key in the amount to be converted, press **Options** and select *In domestic* or *In foreign*.

You can also make the currency conversion in standby mode. Key in the amount to be converted, press **Options** and select *In domestic* or *In foreign*.

### Countdown timer

Press **Menu**, select *Tools* and *Countdown timer*. Key in the alarm time in hours and minutes and press **OK** to start the countdown timer. If you like, write your own note, which is displayed when the time expires, and press **OK**. When the timer is running, the indicator  is shown in standby mode.

If the alarm time is reached when the phone is in standby mode, the phone sounds a tone and flashes either the note, or if a note has not been set, *Countdown time up*. Stop the alarm by pressing **OK**. If no key is pressed, the alarm stops after 30 seconds. Press **OK** to erase the note.

To stop the countdown timer or to change the countdown time:

Press **Menu**, select *Tools* and *Countdown timer*. Select *Change time* to set the timer again, or *Stop timer* to stop the timer.

## Stopwatch

You can measure time, take intermediate times or lap times by using the stopwatch. During timing, the other functions of the phone can be used.

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.

### Time observation and time splitting

1. Press **Menu**, select *Tools*, *Stopwatch* and *Split timing*.

You can select *Continue* if the timing was set in the background, for example, because of an incoming call.

2. Press **Start** to start the time observation. Press **Split** every time you want to take an intermediate time. The intermediate times are listed below the running time on the display. Scroll to view the times.
3. Press **Stop** to stop the time observation.
4. Press **Options** and select
  - *Start* to start the time observation again. The new time is added to the previous time.

- *Save* to save the time. Key in a name for the measured time and press **OK**. If no name is keyed in, the total time is used as a title.
- *Reset* to reset the time without saving it.

### Lap times

Press **Menu**, select *Tools*, *Stopwatch* and *Lap timing*. Press **Start** to start the time observation and **Lap** to take a lap time. Press **Stop** to stop the lap timing. Press **Options** and you can save or reset the lap times. Refer to Time observation and time splitting on page 43.

### Viewing and erasing times

Press **Menu**, select *Tools* and *Stopwatch*.

If the stopwatch is not reset, you can select *Show last* to view the most recently measured time. Select *View times*. and a list of names or final times of the time sets is shown, select the time set you want to view.

To delete the saved times, press **Options** and select *Erase times*. Select *All at once* and press **OK**, or select *One by one* and scroll to the times you want to delete. Press **Erase** and press **OK**.

## ■ Mobile Internet services, WAP (Menu 10)



See also WAP (Wireless Application Protocol) on page xvi.



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

The 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.

### Basic steps for accessing and using WAP services

1. Save the service settings that are needed to access the WAP service that you want to use. See Setting up the phone for a WAP service on page 44 and Appearance settings of the WAP browser on page 49.
2. Make a connection to the given WAP service. See Making a connection to a WAP service on page 47.

3. Start browsing the pages of the WAP service. See Browsing the pages of a WAP service on page 47.
4. Once you have finished browsing, end the connection to the WAP service. See Ending a WAP connection on page 49.

### Setting up the phone for a WAP service

You may receive the service settings directly to your phone from the network operator or service provider that offers the WAP service that you want to use. For more information, contact your network operator or service provider, or visit Club Nokia's Web site ([www.club.nokia.com](http://www.club.nokia.com)).

You can also key in the settings manually. For the 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 service settings received as a text message


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



- To save and activate the received settings, press **Options** and select *Save*.  
If no settings are saved in *Active service settings*, the settings are saved under the first free connection set and also activated.
- To discard the received settings, press **Options** and select *Discard*.
- To view the received settings first, press **Options** and select *View*. To save the settings, press **Save**.

### Keying in the service settings manually

1. Press **Menu**, select *Services* and *Settings*.
2. Select *Active service settings*.  
You need to activate the set in the same place where you want to save the service settings. A set is a collection of settings needed for making a connection to a WAP service.
3. Scroll to the set you want to activate and press **Activate**.
4. Select *Edit active service settings*.  
Select each of the service settings one by one and key in all the required settings.


- *Settings name* - Key in the new name for the connection set and press **OK**.
- *Homepage* - Key in the homepage address of the WAP service that you want to use, press  for a period and press **OK**.
- *Session mode* - Select *Permanent* or *Temporary*.
- *Connection security* - Select *On* or *Off*.

When the connection security is *On*, the phone tries to use a secure connection to 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, you must set the connection security to *Off*.


- *Data bearer* - Select *GSM data* or *GPRS*. For settings for the selected bearer, see Settings when GSM data is the selected data bearer below and Settings when GPRS is the selected data bearer, below.

For pricing, connection speed and other information, contact your network operator or service provider.

## Settings when GSM data is the selected data bearer

- *Dial-up number* - Key in the phone number and press **OK**.
- *IP address* - Key in the address, press  for a dot and press **OK**. You can obtain the IP address from your network operator or service provider.
- *Authentication type* - Select *Secure* or *Normal*.
- *Data call type* - Select *Analogue* or *ISDN*.
- *Data call speed* - Select the speed you want to use, or select *Automatic*. *Automatic* is available only if the currently selected data call type is *Analogue*. The actual data call speed depends on the service provider.
- *Login type* - Select *Manual* or *Automatic*. If you select *Automatic*, the login type uses the user name and password keyed in for the following settings. If you select *Manual*, the login information must be entered when establishing a connection.
- *User name* - Key in the user name and press **OK**.
- *Password* - Key in the password and press **OK**.

## Settings when GPRS is the selected data bearer

- *GPRS connection* - Select *Always online* or *When needed*.  
If you select *Always online*, the phone is automatically registered to a GPRS network when you switch the phone on. Starting a WAP creates the connection between phone and network and data transfer is possible. When you end the application, GPRS connection is ended but the registration to the GPRS network remains.  
If you select *When needed*, the GPRS connection is established when you connect to a WAP service and closed when you end the WAP connection.
- *GPRS access point* - Key in the access point name and press **OK**.  
An access point name is needed to establish a connection to a GPRS network. You can obtain the access point name from your network operator or service provider.
- *IP address* - Key in the address, press  for a period and press **OK**. You can obtain the IP address from your network operator or service provider.
- *Authentication type* - Select *Secure* or *Normal*.

- **Login type** - Select *Manual* or *Automatic*. If you select *Manual* when the *GPRS connection* is set to *Always online*, the *Always online* connection will be disabled.
- **User name** - Key in the user name and press **OK**.
- **Password** - Key in the password and press **OK**.

## Making a connection to a WAP service

Firstly, make sure that the service settings of the WAP service you want to use are activated. To activate the settings:

- Press **Menu**, select *Services* and *Settings*. Select *Active service settings* and scroll to the set you want to activate and press **Activate**.

Secondly, make a connection to the WAP service. There are three ways to connect:

- Open the homepage of the WAP service:  
Press **Menu**, select *Services* and *Home*.



**Tip:** To open the homepage of a WAP service quickly:

In standby mode, press and hold .

OR


- Select a bookmark of the WAP service:

Press **Menu**, select *Services*, *Bookmarks* and select a bookmark.

If the bookmark does not work with the currently active service settings, activate another set of service settings and try again.

OR



- Key in the address of the WAP service:

Press **Menu**, select *Services* and then *Go to address*. Key in the address of the WAP service, press  for special characters 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.

## Browsing the pages of a WAP service

After you have made a connection to the WAP service, you can start browsing its WAP pages. The function of the phone keys may vary in different WAP services. Follow the text guides on the phone display. For more information, contact your WAP service provider.

Note that if GPRS is selected as the data bearer, the indicator  is shown on the top left of the display during browsing. If there is an incoming (or outgoing) call during a GPRS connection, the indicator  is shown on the top right of the display. The GPRS connection is suspended.

### General guidelines for using the phone keys

- Use the scroll keys  or  to browse the WAP page.
- To select a highlighted item, press .
- To enter letters and numbers, press the keys  -  and to enter special characters, press the  key.
- Some or all of the following options are available while a WAP connection is in progress. Press **Options** and select the option you want.

**Home** - to go back to the homepage of the WAP service

**Bookmarks** - the list of bookmarks is displayed. For details, see Bookmarks on page 50.

**Edit/Open row/Open link/Open list** - to key in text or select a highlighted item on the WAP page.

**Add bookmark** - to add the current WAP page as a bookmark in your bookmarks list.

**Go to address** - to key in the address of the WAP service you wish to connect to.

**Service inbox** - a list of service messages is displayed, see Service inbox on page 51.

**Appear. sett.** - for details, see Appearance settings of the WAP browser on page 49.

**Download sett.** - for details, see Download settings on page 50.

**Use number** - to copy a number from the current WAP page for saving or calling (which ends the WAP connection). If the WAP page contains several numbers, you may select the desired one.

**Reload** - to reload and update the current WAP page.

**Clear the cache** - for details, see The cache memory on page 52.

**Security info** - to view security information about the current WAP connection and the server.

**Quit** - to quit browsing and end the call.

The options may also include links provided by the service provider.

## WAP direct calling

Certain WAP pages support functions that you can access while browsing. This is indicated on the WAP page. You may, for example, be able to



- make a voice call while you are on a WAP page.
- send DTMF tones while a voice call is in progress.
- save in the phone book a name and a phone number from a WAP page.

The phone asks for a confirmation before carrying out the function.

## Ending a WAP connection

When you are using a WAP service, press **Options** and select *Quit*. When *Quit browsing?* is shown, press **Yes**.

Alternatively,

- When **GPRS** is the selected bearer: Press  once to exit the WAP menu. The GPRS connection remains active.
- When **GSM data** is the selected bearer: Press  twice to first end the connection and then exit the WAP menu.

## Appearance settings of the WAP browser

1. When no WAP connection is in progress

- Press **Menu**, select *Services, Settings* and *Appearance settings*.

When a WAP connection is in progress

- Press **Options** and select *Appear. sett.*

2. Select *Text wrapping* or *Show images*.
3. Select *On* or *Off* for *Text wrapping* and *Yes* or *No* for *Show images*.

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

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

## Download settings

You can set the phone to allow or prevent the phone receiving cookies.

A cookie is data that a WAP site saves in your phone's browser cache memory. The data can be, for example, your user information or your browsing preferences. Cookies will be saved until you clear the cache memory, see The cache memory on page 52.

1. When no WAP connection is in progress
  - Press **Menu**, select *Services*, *Settings* and *Download settings*.

When a WAP connection is in progress

- Press **Options** and select *Download settings*.
2. Select *Cookies* and select *Allow* or *Reject* to allow or prevent the phone receiving cookies.

## Bookmarks

You can save a maximum of 50 WAP page addresses as bookmarks in the phone's memory.

1. When no WAP connection is in progress

- Press **Menu**, select *Services* and then *Bookmarks*.

When a WAP connection is in progress

- Press **Options** and select *Bookmarks*.
2. Scroll to the bookmark you want to use and press **Options**.
  3. Select one of the following options:

*Go to* to make a connection to the WAP page associated with the bookmark.

*Edit* or *Erase* to modify or delete the selected bookmark.

*Send* to send the selected bookmark to another phone via SMS.

*New bookmark* to create a new bookmark without a connection to a WAP service. Key in the address and the title of the WAP page and press **OK**.



Note that 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 site.

### Receiving a bookmark

When you have received a bookmark from a compatible phone, press **Options** and select **View** to view the bookmark, **Save** to save the bookmark, or **Discard** to discard it.

### Service inbox

The phone can receive service messages (pushed messages) sent by your service provider. Service messages are notifications of, for example, news headlines, and they may contain an address of a WAP service.

1. To access the service inbox when no WAP connection is in progress

When you have received a service message, **1 service message received** will be displayed. Press **View** to access the **Service inbox**.

If you press **Exit**, the message is moved to the **Service inbox**. To access the **Service inbox** later, press **Menu**, select **Services**, and then **Service inbox**.

When a WAP connection is in progress

Press **Options** and select **Service inbox**.

2. Scroll to the message you want and press **Options**.

Select **Retrieve** to activate the browser and download the contents of the service message.

Select **Details** to display detailed information on the service notification.

Select **Erase** to delete the selected service notification.

### To set the phone to receive service messages

Press **Menu**, select **Services**, **Settings**, **Service inbox settings** and **Service messages**. To set the phone to receive service messages, select **On**. If you select **Off**, the phone will not receive service messages.

## The cache memory



**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 clear the cache memory when no WAP connection is in progress

- Press **Menu**, select *Services*, and *Clear the cache*.

To clear the cache memory when a WAP connection is in progress

- Press **Options** and select *Clear the cache*.

## Security indicator

If the security indicator  is displayed during a WAP connection, the data transmission between the phone and the WAP gateway or WAP server (identified by the *IP address* setting in the *Edit active service settings* menu) is encrypted.

However, the security indicator does not indicate that the data transmission between the gateway and the content server (the location 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.

## Authority certificates

Authority certificates are used by some WAP services, such as banking services, for checking signatures, server certificates (used to determine the identity of the WAP server) or other authority certificates.

You can download the certificate from a WAP page, if the WAP service supports the use of authority 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 certificate list on the phone.



## ■ SIM services (Menu 11)



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



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

You can set the phone to show you the confirmation messages sent between your phone and the network when you are using SIM services by selecting the option **Yes** within the menu 6-3-6, **Confirm SIM svc actions**.

Note that accessing these services may involve sending a text message or making a phone call for which you may be charged.

## 7. 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 of batteries in a fire!

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

## 8. Genuine Accessories

A new extensive range of accessories is available for your phone. Select the accessories which accommodate your specific communication needs.



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 mobile 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.

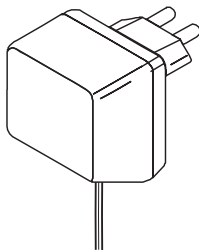
### ■ Battery

| Type  | Tech   | Capacity | Talktime                       | Standby          |
|-------|--------|----------|--------------------------------|------------------|
| BLC-2 | Li-Ion | 950 mAh  | 2 hrs 30mins -<br>4 hrs 30mins | Up to 13<br>days |

### ■ Indoor

#### Standard Charger (ACP-7)

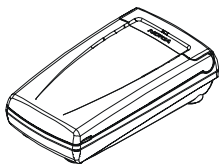
Small, lightweight and durable charger ACP-7 provides an easy and convenient way to charge the phone. It is easy to connect to phone or desktop stand.



Note: The plug types vary according to different markets.

## Battery Charging Stand (DDC-1)

The Battery Charging Stand provides you with a compact solution to charge your spare battery. Charging status is indicated by the light. Red light indicates charging; green light indicates charging is completed. If the charging is disabled due to battery temperature, indication is given by rapid red and green flashes. For operation, safety, care and maintenance, see your phone's owner's guide.



## ■ Indoor and Vehicle

### Personal Headset Kit (HDC-5)

The compact and functional personal Handsfree Kit with Remote Control. By using the remote control option, you can answer and end calls by pressing the button on the microphone part of the Personal Handsfree. A cost-effective, hands-free solution for indoor or outdoor use.



## ■ Vehicle

### Mobile Charger (LCH-9)

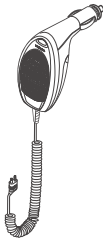
The multi-voltage Mobile Charger, LCH-9, ensures your phone is always ready for use whenever you travel. This small charger's functional design fits most car lighters and interiors.

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.

Avoid prolonged charging with the Mobile Charger when the car engine is not running; this may cause the battery of your car to drain. Note also that in some cars the cigarette lighter plug is not provided with electricity if the ignition is switched off. Verify that the green LED light is on.

## Plug and Play Handsfree (PPH-1)

To provide you with a convenient and portable handsfree facility while in vehicle, this kit comes with a built-in speaker which allows you to talk and charge your phone at the same time. You should ensure that the kit, which requires an input voltage of 12 volts, can be properly plugged into the cigarette lighter socket and does not hamper the operation of your vehicle. Simply connect the mobile charger to your vehicle's cigarette lighter socket and to your phone. Should be used together with an in-vehicle holder. May be used with or without optional external microphone HFM-8. Charging time is dependent on the condition of the battery.

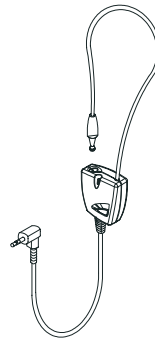


## Mobile Inductive Loopset (LPS-3)

The LPS-3 is a convenient, easy-to-use portable accessory for users of hearing aids. It connects directly to the bottom of the phone and enables you to use a hearing aid together with your mobile phone.

The LPS-3 is worn round the neck and contains a microphone within the device, so you do not need to hold the phone near your ear.

The operation of this device is based on induction technology used in public places: a loop system sends out wireless sounds which are picked up by the telecoil of the hearing aid (switched to T mode).



## 9. 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.

## 10. 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 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 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.

### 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 0.66 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).