

User's Guide for Nokia 6650

List of menu functions

1. Messages

1. Text messages
 1. Create message
 2. Inbox
 3. Sent items
 4. Archive
 5. Templates
 6. My folders
 7. Distribution lists
 8. Delete messages
2. Multimedia msgs.
 1. Create message
 2. Inbox
 3. Outbox
 4. Sent items
 5. Saved items
 6. Delete messages
3. Chat
4. Voice messages
 1. Listen to voice messages
 2. Voice mailbox number
5. Info messages
 1. Info service
 2. Topics
 3. Language
 4. Info topics saved on SIM card¹
 5. Read²
6. Message settings
 1. Text messages
 2. Multimedia msgs.
 3. Other settings
7. Service commands

2. Call register

1. Missed calls
2. Received calls
3. Dialed numbers
4. Delete recent call lists
5. Call duration
6. GPRS data counter
7. GPRS connection timer

3. Profiles

1. General
2. Silent
3. Meeting
4. Outdoor
5. Pager

4. Settings

1. Right selection key settings
2. Time and date settings
 1. Clock
 2. Date
 3. Auto-update of date & time
3. Call settings
 1. Call divert
 2. Anykey answer
 3. Automatic redial
 4. Speed dialling
 5. Call waiting
 6. Summary after call
 7. Send my caller identity
 8. Line for outgoing calls³

1. Shown only if info message topics can be saved to the SIM card.

2. Shown only if info messages have been received.

3. For availability, contact your network operator or service provider.

- 4. Phone settings
 - 1. Language
 - 2. Automatic keyguard
 - 3. Cell info display
 - 4. Welcome note
 - 5. Network selection
 - 6. System mode
 - 7. Confirm SIM service actions
 - 8. Help text activation
 - 9. Start-up tone
 - 10. Memory status
- 5. Display settings
 - 1. Wallpaper
 - 2. Colour schemes
 - 3. Operator logo
 - 4. Screen saver timeout
 - 5. Display contrast
- 6. Tone settings
- 7. Enhancement settings¹
- 8. Security settings
 - 1. PIN code request
 - 2. Call barring service
 - 3. Fixed dialling
 - 4. Closed user group
 - 5. Security level
 - 6. Access codes
- 9. Restore factory settings
- 5. Camera**
 - 1. Standard photo
 - 2. Portrait photo
 - 3. Night mode
 - 4. Video
 - 5. Settings
- 6. Gallery**
 - 1. Graphics
 - 2. Photos
 - 3. Recordings
 - 4. Tones
 - 5. Video clips
- 7. Organiser**
 - 1. Alarm clock
 - 2. Calendar
 - 3. To-do list
 - 4. Wallet
- 8. Games**
- 9. Applications**
 - 1. Select application
 - 2. App. downloads
 - 3. Memory
- 10. Extras**
 - 1. Calculator
 - 2. Voice commands
 - 3. Countdown timer
 - 4. Stopwatch
- 11. Connectivity**
 - 1. Bluetooth
 - 2. Infrared
 - 3. GPRS

1. Shown only if the phone is or has been connected to a compatible headset, handsfree unit or loopset.

12.Services

1. Home
2. Bookmarks
3. Service inbox
4. Settings
5. Go to address
6. Clear the cache

13.SIM services¹

1. Shown only if supported by your SIM card. The name and contents depend on the SIM card.

DECLARATION OF CONFORMITY

We, NOKIA CORPORATION declare under our sole responsibility that the product NHM-1 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/.

Copyright © Nokia 2003. 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, Nokia Connecting People and Pop-Port are trademarks or 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 sound mark of Nokia Corporation.

Bluetooth is a registered trademark of Bluetooth SIG, Inc.

US Patent No 5818437 and other pending patents. T9 text input software Copyright (C) 1997-2003. Tegic Communications, Inc. All rights reserved.



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



Java is a trademark of Sun Microsystems, Inc.

USE OF THIS PRODUCT IN ANY MANNER THAT COMPLIES WITH THE MPEG-4 VISUAL STANDARD IS PROHIBITED, EXCEPT FOR USE DIRECTLY RELATED TO (A) DATA OR INFORMATION (i) GENERATED BY AND OBTAINED WITHOUT CHARGE FROM A CONSUMER NOT THEREBY ENGAGED IN A BUSINESS ENTERPRISE, AND (ii) FOR PERSONAL USE ONLY; AND (B) OTHER USES SPECIFICALLY AND SEPARATELY LICENSED BY MPEG LA, L.L.C.

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 products may vary by region. Please check with the Nokia dealer nearest to you.

Contents

FOR YOUR SAFETY	ix
-----------------------	----

Network services	xi
------------------------	----

About accessories	xi
-------------------------	----

General information	xii
---------------------------	-----

Access codes	xii
--------------------	-----

Support for GSM and UMTS networks	xiii
--	------

GPRS for fast data transfer	xiii
-----------------------------------	------

Shared memory	xiii
---------------------	------

Downloading content and applications	xiv
---	-----

Nokia PC Suite software	xiv
-------------------------------	-----

1.Your phone	1
--------------------	---

Keys	1
------------	---

Connectors	2
------------------	---

Standby mode and display indicators	2
--	---

2.Getting started	3
-------------------------	---

Installing the SIM card and the battery	3
--	---

Charging the battery	4
----------------------------	---

Switching the phone on and off ...	4
------------------------------------	---

Using the camera	5
------------------------	---

3.Basic functions	7
-------------------------	---

Making a call	7
---------------------	---

Answering or rejecting an incoming call	8
--	---

Functions available during a call ...	8
---------------------------------------	---

Using the loudspeaker	9
-----------------------------	---

Voice recording	9
-----------------------	---

Keypad lock (Keyguard)	9
------------------------------	---

Writing text	10
--------------------	----

Predictive text input	10
-----------------------------	----

Using traditional text input	11
------------------------------------	----

General instructions on writing text	11
--------------------------------------	----

4.Phone book	13
--------------------	----

Selecting the phone book settings	13
--	----

Saving names and phone numbers	13
---	----

Searching for a name in the phone book	14
---	----

Deleting names, numbers, text items and images	14
---	----

Editing a name, number or text item	15
--	----

Copying names and phone numbers	15
--	----

Other phone book functions	15
----------------------------------	----

Speed dials	16
-------------------	----

Voice dialling	16
----------------------	----

Business cards	17
----------------------	----

5.Using the menu	18
------------------------	----

Accessing a menu function	18
---------------------------------	----

6.Menu functions	19
------------------------	----

Messages (Menu 1)	19
-------------------------	----

Text and picture messages	19
---------------------------------	----

Multimedia messages	22
---------------------------	----

Deleting messages	25
-------------------------	----

Chat	26
------------	----

Voice messages	26
----------------------	----

Info messages	26
---------------------	----

Message settings	26
------------------------	----

Service commands	28
------------------------	----

Distribution lists	28
--------------------------	----

Call register (Menu 2).....	29	WAP services	
Missed, received and dialled calls....	29	(Services - Menu 12)	51
Call counters and call timers.....	30	Basic steps for accessing and	
Profiles (Menu 3)	30	using WAP services.....	51
Settings (Menu 4).....	31	Setting up the phone for	
Right selection key settings.....	31	a WAP service	51
Time and date settings.....	31	Making a connection to	
Call settings.....	32	a WAP service	53
Phone settings.....	33	Browsing the pages of	
Display settings	34	a WAP service	53
Tone settings.....	35	Ending a WAP connection.....	54
Accessory indicators		Bookmarks.....	55
in standby mode.....	35	Service inbox.....	55
Security settings	36	Emptying the cache memory.....	55
Restoring factory settings	37	Security features for	
Camera (Menu 5).....	37	WAP connections.....	56
Taking a photo or recording		SIM services (Menu 13)	57
a video clip.....	37		
Adjusting the camera settings.....	37	7.Battery information	58
Gallery (Menu 6)	38	Charging and discharging.....	58
Organiser (Menu 7)	39	8.Mobile Enhancements.....	59
Alarm clock.....	39	Battery.....	59
Calendar	40	Indoor.....	59
To-do list.....	41	Travel Charger (ACP-12)	59
Wallet.....	42	Indoor and Vehicle	60
Games (Menu 8).....	43	Boom Headset (HDB-4).....	60
Applications (Menu 9).....	43	Vehicle	60
Extras (Menu 10)	45	Mobile Charger (LCH-9).....	60
Calculator.....	45	9.Care and Maintenance.....	61
Voice commands	46	10.Important Safety	
Countdown timer.....	46	Information.....	62
Stopwatch.....	47	Index.....	66
Connectivity (Menu 11).....	48		
Bluetooth wireless technology.....	48		
Infrared.....	49		
GPRS	50		

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.



CONNECTING TO OTHER DEVICES

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



BACKUP COPIES

Remember to make backup copies of all important data.






WATER-RESISTANCE

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





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.

When using the features in this device, obey all laws and honor privacy and legitimate rights of others.

Network services

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

Dual system (operation in both GSM/EGSM and UMTS networks) 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.

About accessories

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from ACP-12, DCV-14 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

■ Access codes

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

Change the code and set the phone to request it using the *Change of access codes* and *Security level* functions in the *Security settings* menu. Keep the new code secret and in a safe place separate from your phone.

- **PIN code:** The PIN (Personal Identification Number) code may be supplied with the SIM card. It protects the SIM card against unauthorised use. If you activate the *PIN code request* function in the *Security settings* menu, the code is requested each time the phone is switched on.


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

- **PIN2 code:** This code may be supplied with the SIM card and is required to access some functions, such as charging unit counters.
- **PUK and PUK2 codes:** These codes may be supplied with the SIM card. If this is not the case, contact your service provider.
- **Barring password:** This code is needed when using the *Call barring service* function in the *Security settings* menu.
- **Module PIN and signing PIN:** The module PIN is needed to access the information in the security module, see page 56. The signing PIN is needed for the digital signature, see page 57.
The module PIN and the signing PIN may be supplied with the SIM card if the card contains a security module.
- **Wallet code:** The wallet code is needed to use the wallet services, see page 42.

■ Support for GSM and UMTS networks

Your phone can be used in GSM 900, GSM 1800 and UMTS networks.

The UMTS network allows fast communications and simultaneous use of several call functions. When the phone is using a UMTS network you can, for example, take a photo during a call and send it in a multimedia message without ending the call (network service dependent).

The phone selects the GSM or UMTS network automatically according to the network parameters and the roaming agreements between the network operators. When the phone is being used in a UMTS network,  is shown in standby mode, if supported by the network.

■ GPRS for fast data transfer

GPRS can be used for accessing WAP and Internet services, sending and receiving text and multimedia messages and downloading Java™ games and applications (network services).

To use the GPRS service: Subscribe to it from your network operator or service provider and save the GPRS settings for the functions, for example multimedia messages and WAP services, that you want to use with the GPRS service.

■ Shared memory

The following features in this phone may share memory: phone book; text and multimedia messages; images, video clips and ringing tones in the *Gallery* menu; WAP bookmarks; calendar and to-do notes; Java™ games and applications.

Using any such features may reduce the memory available for any features sharing memory. This is especially true with heavy use of any of the features (although some of the features may have a certain amount of memory specially allotted to them in addition to the amount of memory shared with other features).

For example, saving many images may take all of the shared memory and your phone may display a message that the memory is full. In this case, delete some of the information or entries stored in the shared memory features before continuing.

You can check the amount of free and used shared memory with the *Memory status* function in the *Phone settings* menu, see page 33.

■ Downloading content and applications

You may be able to download new content (for example images and ringing tones) and applications from WAP sites into the phone (network service dependent).

1. Select the download function in the *Applications*, *Gallery* or *Games* menu. To access the download function, see the respective menu descriptions.

A list of WAP bookmarks is shown. Select *More bookmarks* if you want to view the WAP bookmarks available in the *Services* menu.

2. Select the bookmark of the WAP page you want to access. If the WAP connection fails, change the active set of connection settings in the *Services* menu and try the connection again.

Follow the instructions available on the WAP site.

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

■ Nokia PC Suite software

Nokia PC Suite software can be found on the CD-ROM¹ supplied with the phone and on Nokia's Web site at www.nokia.com.

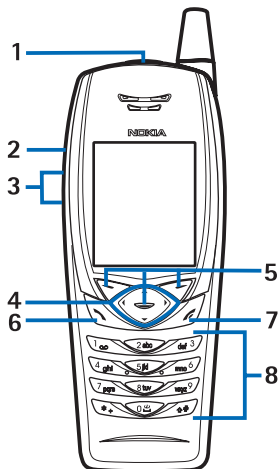
With the Nokia PC Suite software you can, for example, create new ringing tones, and manage the photos and video clips captured with the phone's camera.

1. May not be available at launch/time of shipping.

1. Your phone

■ Keys

1. Power key



Press and hold this key to switch the phone on or off.

2. Voice key

Press this key to start voice recording. Press and hold this key to activate voice dialling.

3. Volume keys


Press the upper key to increase or the lower key to decrease the volume.

4. Scroll keys , , and

With these keys you can scroll through different lists, such as the phone book contents and the menu functions, and move the cursor for example when writing a message.

5. Three selection keys



Each key performs the function that is displayed above it.

In standby mode, the function of the right selection key () depends on the settings made with the *Right selection key settings* function in the *Settings* menu, see page 31. In standby mode, this key is **Names** if no other functions are assigned to it. Otherwise the key is **Go to** which allows you to quickly access the functions on the list.

6. dials a phone number or answers a call. Pressing this key in standby mode shows the most recently dialled numbers.

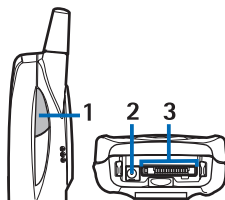
7. ends an active call or rejects a call. Exits from any function.

8. - enter numbers and characters.

 and  are used for various purposes in different functions.

■ Connectors

1. Infrared port for wireless connection with a compatible device.

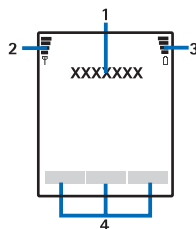


2. Charger connector
3. Pop-Port™ connector with an integrated USB port.

■ Standby mode and display indicators

When the phone is ready for use and you have not keyed in any characters, the phone is in standby mode. The following indicators are shown in standby mode. Other essential indicators are described throughout this guide.

1. Shows the name of the network in which the phone is being used, or the operator logo.



2. Shows the signal strength of the cellular network at your current location. The higher the bar, the stronger the signal.
3. Shows the battery charge level. The higher the bar, the more power in the battery.
4. Guiding texts for the three selection keys.

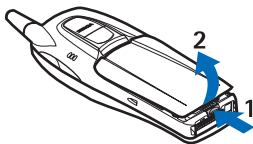
2. Getting started

■ 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 or removing the SIM card, always switch off the power and disconnect the phone from the charger and any other device.

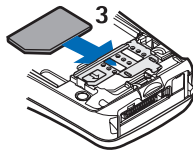
Installation

1. To remove the back cover: Push the cover release button (1) and lift the cover (2).

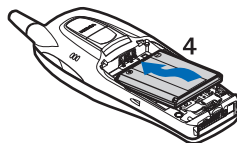


2. Slide the SIM card to the SIM card holder (3). Make sure that the SIM card is inserted properly

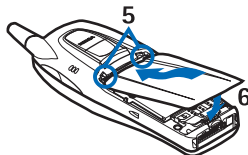
and that the golden contact area on the card is facing downwards.



3. Align the golden connectors on the battery with the corresponding connectors on the phone (4). Push the opposite end of the battery towards the phone until the battery locks into place.

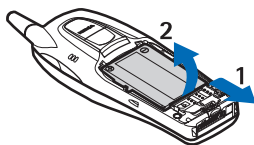


4. Insert the two catches of the cover into the corresponding slots on the phone (5). Press the cover until it locks into place (6).



Removing the battery

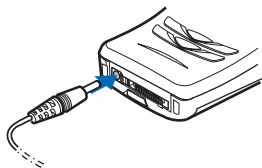
If you need to remove the battery:



1. Remove the back cover.
2. Push the battery catch towards the bottom of the phone (1).
3. Lift the battery off the phone (2).

■ Charging the battery

- Do not charge the battery when the back cover of the phone is removed. See also "Battery information" on page 58.
1. Connect the lead from the charger to the bottom of your phone.



2. Connect the charger to an AC wall socket.

If the phone is switched on, the text **Charging** is displayed briefly and the charging indicator bar starts scrolling. If the battery is completely flat, it may take a few minutes before the charging indicator appears on the display.


- Charging the battery supplied with the phone takes about two hours when using the ACP-12 charger.
- If **Not charging** is displayed, wait for a while, disconnect the charger, plug it in again and retry. If charging still fails, contact your dealer.
- You can use the phone during charging.

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

■ Switching the phone on and off



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

Press and hold the power key .

- If the phone asks for a PIN code or security code, key in the code and press **OK**.



- If the phone displays *Insert SIM card* even though the SIM card is properly inserted, or *SIM card not supported*, contact your network operator or service provider. Your phone does not support 5 Volt SIM cards and the card may need to be changed.

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

TIPS ON EFFICIENT OPERATION: Your phone has a built-in and external antenna. As with any other radio transmitting device, do not touch the antennas (blue area in picture) unnecessarily when the phone is switched on. Contact with the antennas 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.




■ Using the camera

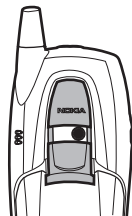
The phone has a built-in camera that can be used for taking photos and recording video clips. For more information about the camera settings, see "[Camera \(Menu 5\)](#)" on page 37.

Photos and video clips use shared memory, see page [xiii](#).



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



1. Open the lens cover at the back of the phone. Slide the cover towards the bottom of the phone to the position shown in the figure. When the camera is ready for use,  is shown at the top of the display.



Pressing **Options** allows access to the following functions. Select

- **Change mode** to set the camera to the desired operation mode. For details, see "**Camera (Menu 5)**" on page 37.




Tip: To quickly change the camera mode, press and hold  or .

- **Self-timer** to set the camera to take the photo within 10 seconds after you press **Start**.
- **Mute** to turn off the microphone when the selected camera mode is **Video**.
- **Open Gallery** to view the photos in the desired folder of the **Gallery** menu.

2. Press **Capture** to take a photo or **Record** to record a video clip.

If you do not press **Capture** or **Record** within one minute, press **Continue** to activate the camera again.

- The approximate number of photos that can be saved in the phone is shown at the top of the display.
If the distance to the subject is closer than 30 centimetres it may affect the sharpness of your photo.
- When you are recording a video clip, the red  indicator and the amount of remaining recording time are shown at the top of the display. The default

maximum length of a video clip is 15 seconds. You can change this time in the **Camera** menu.

To stop the recording and save the video clip, press **Stop**.

To pause the recording, press **Pause**. To resume the recording, press **Continue**.

Note that a video clip can be sent in a multimedia message only if the length of the clip is 15 seconds at the most.

3. The photo or video clip is saved with the default name in the **Photos** or **Video clips** folder of the **Gallery** menu. You can define the default name in the **Camera** menu. The photos are saved in JPEG format and the video clips in 3GP format.



To delete the displayed photo, select **Options**, press **Delete**. To view the video clip, press **Play**. To capture a new photo or video clip, press **Back**.

If you press **Options**, you can select an option to, for example, send the photo or video clip in a multimedia message to a compatible device (network service dependent).


4. When you stop using the camera, close the lens cover carefully.


3. Basic functions

■ Making a call


1. Key in the phone number, including the area code. If you key in an incorrect character, press  or  to move the cursor and **Clear** to delete the character to the left of the cursor.

To make an international call:






Press  twice for the + character (replaces the international access code) and key in the country code, area code (omit the leading zero, if necessary) and phone number.

2. Press  to call the number.



To take a photo and send it in a multimedia message (in UMTS networks only): Open the lens cover and press **Capture**. To send the photo to a compatible device (network service dependent), press **Options**, and select **Send**.


3. Press  or **End call** to end the call or to cancel the call attempt.

Calling a phone number saved in the phone book




Press  or  in standby mode. Key in the first letter(s) of the name that has been saved with the phone number. Scroll to the name with  or . Press  to make the call.


Calling a recently dialled number

In standby mode, press  once to view up to 20 numbers you have last called or attempted to call. Scroll to the desired number or name, and press  to call the number.

To call the last dialled number, press  twice in standby mode.

Calling your voice mailbox



To call your voice mailbox (network service dependent) in standby mode, press and hold , or press  and . See also "Voice messages" on page 26.


When you have received a voice message,  may be shown at the top of the display (network service dependent). Press **Listen** to call your voice mailbox.

Voice dialling


You can dial a phone number by saying one or more words that have been attached to it. See "[Voice dialling](#)" on page 16.


Speed dialling a phone number

If you have assigned a phone number to one of the keys  to  (using the *Speed dials* in the phone book), you can call the phone number in the following ways:


- In standby mode, press the desired number key and . OR:
- If the *Speed dialling* function (see page 32) is set on, press and hold the number key in standby mode until the call is started.



■ Answering or rejecting an incoming call

Press  to answer the call. If you want to mute the ringing tone, press **Silence**.

To reject the call, press , or press **Options** and select *Reject*. The rejected call will be diverted, if you have activated a call divert option such as *Divert if busy*.

Call waiting

You can answer a call while you have another call in progress if you have activated the *Call waiting* function in the *Call settings* menu (network service dependent). To answer the waiting call, press **Answer** or . The first call is put on hold.

To switch between the two calls, press **Swap** or . To reject the waiting call, press **Options** and select *Reject*. To end the active call, press . To end both calls, press **Options** and select *End all calls*.


■ Functions available during a call

You can press **Options** for some of the following functions during a call:

Mute or *Unmute*, *End call*, *End all calls*, *Contacts*, *Menu*, *Hold* or *Unhold*, *New call* (network service dependent), *Conference* (network service dependent), *Private* (network service dependent), *Answer*, *Reject*, *Swap* (network service dependent), *Send DTMF*, *Loudspeaker* or *Handset*, *Lock keypad*, *Transfer* (network service dependent), *Go to browser*, *Headset*, *Handsfree*, *Activate infrared*, *Record*.

■ Using the loudspeaker


The phone has a loudspeaker that allows you to use the phone hands free during a call. Do not hold the phone to your ear during loudspeaker operation.


- To activate the loudspeaker during a call: Press **Options** and select **Loudspeaker**, or press **Loudsp.** if available. When the loudspeaker is active,  is shown at the top of the display.
- To deactivate the loudspeaker: Press **Options** and select **Handset**, or press **Handset** if available.

If a compatible device, such as the CARK126 car kit, is connected to the phone, the **Handset** option is replaced with **Handsfree** or **Headset**, and the selection key **Handset** changes to **Handsfr.** or **Headset**, respectively.

■ Voice recording

You can record for example a name and a phone number and write them down later.




To start voice recording, press . When recording, hold the phone in the normal position near to your ear.

To stop the recording, press . The recording is saved in the **Recordings** folder of the **Gallery** menu, see page 38.


Voice recording can be used also during a call (press **Options** and select **Record**).

■ Keypad lock (Keyguard)

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

To lock the keypad, press **Menu** in standby mode and then  within 1.5 seconds. When the keypad is locked,  is shown at the top of the display. To unlock the keypad, press **Unlock** and  within 1.5 seconds.

When the keypad is locked:

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

You can also set the keypad to lock automatically after a certain length of time. See **Automatic keyguard** on page 33.



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.

■ Writing text

You can key in text, for example messages or calendar notes, using predictive or traditional text input.

Predictive text input

In predictive text input, you can key in characters by pressing a letter key once for each character. This input method uses a dictionary built into the phone.

Setting predictive text input on or off

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

- To set predictive text input on, select the language you want from the dictionary list. Predictive text input is only available for the languages on the list.

- To use traditional text input, select *Dictionary off*.




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

Using predictive text input

Check that is shown at the top of the display.


- Write a word using the keys to . Press each key only once for one letter. The word may change after each keypress. For general instructions on writing text, see page 11.
 - To insert a common punctuation mark, press and then repeatedly. **OR:** Press and hold , scroll to the desired character and press **Use**.
 - To insert a special character: Press and hold , scroll to the desired character and press **Use**.
- If the displayed word is the one you want, press (a space is inserted) or a scroll key, and write the next word.



- If the word is not the one you want, press **Options**, select *Matches* and the desired word, and press **Use**. OR: Press  repeatedly until the word appears. To view the previous match, press **Prev**.
 - If the ? character is shown after the word, no words in the dictionary correspond to your keypresses. To add a word to the dictionary: Press **Spell**, key in the word using traditional text input and press **Save**. When the dictionary becomes full, the new word replaces the oldest one that was added.
3. When using predictive text input, pressing **Options** can also allow access to the following functions:
- *Insert word* or *Edit word*: You can add a word into the dictionary using traditional text input. *Insert word* is shown when no word is underlined, that is, selected for editing. *Edit word* is shown when a word is underlined.
 - *Insert symbol*: You can select a special character from a list.

Writing compound words






Key in the first part of the word and confirm it by pressing a scroll key. Repeat this with the last part of the word.




Using traditional text input

Check that  is shown at the top of the display. Press a key one or more times until the desired character is displayed. Not all available characters are printed on the keys. The characters available depend on the *Language* setting in the *Phone settings* menu, see page 33.

- If the next letter you want is located on the same key as the present one, wait until the cursor is shown and key in the letter.
- To add a common punctuation mark or special character, press  repeatedly. OR: Press , scroll to the desired character and press **Use**.

General instructions on writing text

- To insert a space, press .
- To move the cursor, press , ,  or .
- To delete the character to the left of the cursor, press **Clear**. Press and hold **Clear** to delete several characters.

- To change the character case, press  repeatedly and check the indicator, for example **ABC**, at the top of the display.
- To insert a number, press and hold the desired key. To insert several numbers, press and hold  and key in the numbers. To continue writing text, press and hold .

4. Phone book

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

The phone supports SIM cards that can save up to 250 names and phone numbers. The phone's internal phone book uses shared memory, see page [xiii](#).

■ Selecting the phone book settings

In standby mode, press **Names** (or press **Go to** and select **Contacts**) and select **Settings**. Select


- **Memory in use** to choose the phone book you want to use.

If you want to search for names and phone numbers in both phone books, select **Phone and SIM**. In this case, the names and numbers will be saved in the phone's internal phone book.

- **Contacts view** to define how the names and numbers saved in the phone book are displayed. For example, select **Name and image** to view the names with the attached images.

- **Memory status** to view how much free memory is available in each phone book.

■ Saving names and phone numbers


1. In standby mode, press **Names** (or press **Go to** and select **Contacts**) and select **Add contact**.
2. Key in the name and press **OK** to save it.
3. Key in the phone number, including the area code, and press **OK** to save it.
 - If you want to use the phone number while abroad, add the + character (by pressing  twice) and key in the country code, area code and phone number.
4. To return to standby mode, press **Done**.






Tip: To quickly save a name and phone number, key in the phone number in standby mode and press **Save**. Key in the name and press **OK**.



Saving multiple numbers and text items per name

You can save different types of numbers and text items per name in the phone's internal phone book.




The first phone number that you save with the name is the default number. It is indicated with a frame around the number type indicator, for example . 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 selected memory is *Phone* or *Phone and SIM*.
2. Press  or  in standby mode.
3. Scroll to the name to which you want to add a number or text item, and press **Details**.
4. Press **Options**, and select *Add number*, *Add detail* or *Change type*.
 - To add a phone number, select *Add number* and a number type.
 - To add a text item, select *Add detail* and a text type.
5. Press  to return to standby mode.

Changing the default number

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

■ Searching for a name in the phone book



1. In standby mode, press **Names** (or press **Go to** and select *Contacts*) and select *Search*. **OR:** Press  or  in standby mode.
2. Key in the first letter(s) of the name you want.
3. Scroll to the desired name, and press **Details**. If the name is saved on the SIM card,  is shown at the top of the display.
4. Scroll through the phone numbers and text items added to the name.

■ Deleting names, numbers, text items and images



In standby mode, press **Names** (or press **Go to** and select *Contacts*) and select *Delete*. Select *One by one* or *Delete all*.

Deleting a name and number will also delete the additional numbers, text items added to it.

Deleting a number or text item added to a name

Press  or  in standby mode, scroll to the desired name (and number) and press **Details**. Scroll to the number or text item you want to delete, press **Options**, select the appropriate function, and press **Yes**.

■ Editing a name, number or text item

1. Press  or  in standby mode, scroll to the desired name and press **Details**.
2. Scroll to the desired name, number or text item, press **Options** and select the desired function. **OR:** If the *Contacts view* setting is *Name and number*, scroll to the desired name, number or text item and press **Edit**.
3. Edit the name, number or text item, and press **OK**.

■ Copying names and phone numbers

You can copy names and phone numbers from the phone to the SIM card and vice versa. Note that any text items saved in the phone's internal phone book will not be copied to the SIM card.

- In standby mode, press **Names** (or press **Go to** and select *Contacts*) and select *Copy*. Select the copying direction. Select *One by one*, *All* or *Default numbers* (shown when you copy from the phone). Select whether you want to keep the original names and numbers (*Keep original*) or delete them (*Move original*).

■ Other phone book functions

To access the following functions, press **Names** (or press **Go to** in standby mode and select *Contacts*). Select

- *Info numbers* to call the information numbers of your service provider if they are available on your SIM card (network service dependent).
- *Service numbers* to call the service numbers of your service provider if they are available on your SIM card (network service dependent).
- *My numbers* to view the phone numbers assigned to your SIM card if this is allowed by the card.



- **Caller groups** to arrange the saved names and phone numbers into caller groups. For each group, you can select a ringing tone and a logo that is shown when you receive a call from a phone number in the group.

You can select from the following functions: *Group name*, *Group ringing tone*, *Group logo*, *Group members*.

If you selected *Group members*, press **Add** to add a name to the group or press **Remove** to delete a name from the group.

See also *Alert for* in "Tone settings" on page 35.

Speed dials

You can set the keys  to  to work as speed dialling keys. To make a call using speed dialling, see page 8.

Assigning a phone number to a speed dialling key

In standby mode, press **Names** (or press **Go to** and select *Contacts*) and select *Speed dials*. Scroll to the desired key and press **Assign**. Press **Search** and select the name and number you want to assign to the selected key.

If a phone number is already assigned to the key, you can view the number by pressing **View** or change the number or delete the assignment by pressing **Options** and selecting the desired option.

Voice dialling

You can dial a phone number by saying one or more words ('voice tag') attached to it. Voice dialling cannot be used while the phone is sending or receiving data over a GPRS connection.

Voice tags are saved in the phone. All the voice tags are deleted if you insert another SIM card into the phone and save new voice tags.

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.

Recording a voice tag

Press  or  in standby mode, scroll to the desired name, and press **Details**. Press **Options** and select *Add voice tag*. Press **Start** and clearly say the word(s) you want to record as the voice tag.

Making a call using a voice tag



Press and hold the right selection key () or the voice key () in standby mode until you hear a short tone, and say voice tag clearly.

Playing, changing or deleting a voice tag

In standby mode, press **Names** (or press **Go to** and select *Contacts*) and select *Voice tags*. Select the desired name or phone number and the function you want.

Business cards

You can send or receive a person's contact information as a business card.

To send a business card to a compatible phone or other device which supports the vCard standard: Press  or  in standby mode, scroll to the desired name, and press

Details. Press **Options** and select *Send bus. card*. Select *Via infrared*, *Via text message* (network service dependent), or *Via Bluetooth*.

5. Using the menu

Your phone offers a wide range of functions that are grouped in menus.

Most of the menu functions are provided with a brief help text. To view the help text, scroll to the desired menu function and wait for about 15 seconds. To exit the help text, press **Back**.

The help text can be set to on or off using the *Help text activation* function in the *Phone settings* menu, see page 33.



By using a shortcut number

The menus, submenus and setting options are numbered. This shortcut number is shown at the top right of the display.

Press **Menu** in standby mode. Within two seconds, key in the shortcut number of the main menu you want to open. Repeat this for the submenu and setting option.

■ Accessing a menu function

By scrolling

1. Press **Menu** in standby mode.
2. Scroll with  or  to a main menu, for example *Settings*, and press **Select** to open it.
3. Scroll to a submenu, for example *Call settings*, and press **Select**.
If the submenu contains further submenus, for example *Speed dialling*, repeat this step.
4. Scroll to a setting option, for example *Off*, and press **Select**.
Press **Back** to return to the previous menu level, and **Exit** to exit to standby mode.

6. Menu functions

■ Messages (Menu 1)



You can read, write, send and save text and multimedia messages. The messages are organised into folders.



Note: When sending messages, 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.

Text and picture messages

Your phone supports the sending of text messages beyond the 160 characters limit (network service dependent). If your message exceeds this limit, it will be sent as a series of two or more messages.


Text messages can contain pictures. Each picture message is made up of several text messages. Therefore, sending one picture message may cost more than sending one text message.

Before you can send text or picture messages, you need to save your message centre number, see "[Message settings](#)" on page 26.



Note: The picture message 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.

Writing and sending a text or picture message


1. Press **Menu** in standby mode, and select *Messages*, *Text messages* and *Create message*.
OR: Press  in standby mode.
2. Key in the message, see "[Writing text](#)" on page 10.

At the top the display, you can see the message length indicator counting backwards from 160. For example, 10/2 means that you can still add 10 characters for the text to be sent as two messages.

Using special (Unicode) characters such as ã or á takes up more space. If there are special characters in your message, the indicator may not show the message length correctly.

- To insert a picture into the message, press **Options** and select *Insert picture*. The list of folders in the *Gallery* is shown, see page 38. Select the desired folder and picture.

To view the text and picture together, press **Options** and select *Preview*. To change the picture or delete it from the message, press **Options** and select the desired function.

- To use a predefined text as a base for the message, press **Options** and select *Use template* and the desired template.
- To insert a phone number from the phone book, press **Options** and select *Insert number*. Press **Search** or  and search for the number in the phone book.

- To insert a name from the phone book, press **Options**, select *Insert contact*, scroll to the desired name and press **Options**. Select *Insert contact*, or select *View details* if you want to insert a number or text item added to the name.
 - To save the message in the *Archive* or *Templates* folder or in a folder that you have created inside the *My folders* folder, press **Options** and select *Save message*.
3. To send the message, press **Send**, key in the recipient's phone number or search for it in the phone book, and press **OK**.


Alternatively: Press **Options** and select *Sending options*. Select


- *Send to many* to send the message to several recipients. Scroll to the desired recipient and press **Send**. When you have sent the message to everyone you want, press **Done**.


- *Send to list* to send the message using a distribution list, see page 28.
- *Sending profile* to send the message using the settings that you have defined earlier. See "Message settings" on page 26.


The sent message is saved in the *Sent items* folder.

Reading and replying to a text or picture message

When you receive a message, the  indicator and the number of new messages followed by *messages received* are displayed.

If the  indicator blinks, the text message memory is full. Before you can receive new messages, you need to delete some old ones. See page 25. Text messages use shared memory, see page xiii.

1. Press **Show** to view the newly received message right away, or press **Exit** to view it later.
Viewing the message later: Press **Menu** in standby mode, and select *Messages*, *Text messages* and *Inbox*. Select the desired message from the list. An unread message is indicated by .
2. Scroll through the message.

3. To reply to the displayed message, press **Reply**. Select
 - *Original text* if you want to include the original message in the reply.
 - *Template* or a standard answer such as *Thank you* if you want to use a preset text as a base for the new message.
4. To send your reply, press **Send** or .

Alternatively: Press **Options** and select *Sending options* and the desired option. The options are the same as when sending a text or picture message, see page 19.

Other functions accessible with the Options key

While reading a message, pressing **Options** also allows access to the following functions: *Delete*, *Use detail*, *Chat*, *Forward*, *Edit* (for text messages) / *Edit text* (for picture messages), *Move*, *Rename*, *Copy to calendar*, *Save picture* (for picture messages), *Message details*.



Tip: You can use most of these functions without opening a message. For example, to forward a message, scroll to the desired message on the list, press **Options** and select *Forward*.

Select

- *Use detail* to extract a phone number, e-mail address or Web address from the message.
- *Copy to calendar* to copy the text from the message to your phone's calendar as a reminder note for the current day.

Multimedia messages

A multimedia message can contain text, one image, one video clip and one sound clip. The phone can send and receive multimedia messages of up to 100 kilobytes.



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

If *Allow multimedia reception* is set to *Yes* or *In home network*, your operator or service provider may charge you for every message you receive.

Note that multimedia messages cannot be received in GSM networks during a call. Because delivery of multimedia messages can fail for a variety of reasons, do not rely solely upon them for essential communications.

Sent and received multimedia messages use shared memory, see page [xiii](#).

Writing and sending a multimedia message

Before you can use the multimedia messaging service, you need to define its settings, see page [27](#). For the settings, availability and subscription to this service, contact your network operator or service provider.

Before sending a multimedia message, read the notes on page [24](#).

1. Press **Menu** in standby mode, and select *Messages*, *Multimedia msgs.* and *Create message*.
2. Key in a message, see "Writing text" on page [10](#).
 - To insert an image, sound clip or video clip, press **Options** and select *Insert image*, *Insert sound clip* or *Insert video clip*.


The list of folders in the *Gallery* menu is shown. Scroll to the desired file and select **Insert**. Copyright protection may prevent some images, ringing tones, and other content from being copied, modified, transferred or forwarded.

- To insert a name from the phone book, press **Options** and select *More options*, *Insert contact* and the name from the name list. To insert a text item attached to the name, for example a postal address, press **Options** in the name list and select *View details* and the desired text item.


To insert a number from the phone book, press **Options** and select *More options* and *Insert number*. Key in the number or search for it in the phone book, and press **OK**.

- To delete an inserted object from the message, press **Options** and select the appropriate function.
 - To save the message in the *Saved items* folder, press **Options** and select *Save message*.
3. To add a subject to the message, press **Options** and select *More options* and *Edit subject*. Key in the subject and press **OK**.
- To view for example the size, subject and recipient of the message, press **Options** and select *More options* and *Message details*.

- To view the message before sending it, press **Options**, select *Preview* and scroll through the message. The function of the middle selection key depends on the displayed object.


4. To send the message to a phone number, press **Send** or . To send the message to an e-mail address, press **Options** and select *Send to e-mail*.

To send the message to several recipients, press **Options** and select *Send to many*.

5. Key in the recipient's phone number or e-mail address, or search for it in the phone book. Press **OK** to send the message.
- If you pressed **Options** and selected *Send to many* in step 4, press **Options**, select *Search number* or *Search e-mail*, and select the recipients one by one from the phone book. When you have selected all the recipients, press **Done**. Press **Send** or  to send the message.

The message is saved in the *Outbox* folder until it is sent. The sent messages are saved in the *Sent items* folder if the *Save sent messages* setting is *Yes*. See ["Settings for multimedia messages"](#) on page 27.



Notes for sending a multimedia message


- It may take more time to send a multimedia message than a text message. During sending, the animated  indicator is displayed and you can use other functions of the phone.

If the sending is interrupted, the phone tries to resend the message a few times. If the sending fails, the message remains in the *Outbox* folder where you can try to resend it later.

- If you send a multimedia message to a phone which does not support multimedia messaging, the network may send to the recipient a text message that includes an Internet address where the multimedia message can be viewed (network service dependent).


Reading and replying to a multimedia message

While the phone is receiving a multimedia message, the animated  indicator is displayed. When the message has been received, the  indicator and the text *Multimedia message received* are shown.





If the  indicator blinks, the memory for multimedia messages is full. Before you can receive new messages, you need to delete some old ones, see page 25. Multimedia messages use shared memory, see page xiii.

Read also the notes for receiving multimedia messages on page 25.

- Press **Show** to view the newly received message right away or press **Exit** to view it later.

To view the message later: Press **Menu** in standby mode, and select *Messages, Multimedia msgs.* and *Inbox*. Select the desired message from the list. An unread message is indicated by .

- Scroll through the message. The function of the middle selection key changes according to the displayed object.
 - To reply to the message, press **Reply** if the text part of the message is displayed, or press **Options** and select **Reply** if any other part of the message is displayed.

- To listen to a sound clip or view a video clip, press **Play**.
To turn the audio off or on while viewing a video clip, press **Options** and select *Mute audio* or *Unmute audio*, respectively.
- To save an image, sound clip or video clip in the *Gallery* menu, press **Options** and select the appropriate function.
- To view an image in a larger size, press **Zoom**. You can scroll the image with , ,  and .
- Pressing **Options** also allows access to the following functions: *Set contrast* (for photos), *Details*, *Delete message*, *Forward to no.*, *Forward to e-mail*, *Message details*.
- If the received message contains an object such as an image or sound clip that is not supported by the phone, the object may be replaced with its name and the text *Object format not supported*.
- Copyright protection may prevent some images, ringing tones, and other content from being copied, modified, transferred or forwarded.

Deleting messages

To delete a text or multimedia message that you are reading or viewing, press **Options** and select the appropriate function.

To delete all messages from a folder or all the folders:

1. Press **Menu** in standby mode and select *Messages*, *Text messages* or *Multimedia msgs.*, and *Delete messages*.
2. To delete all the messages from a folder, select the desired folder and press **Yes**.

To delete all the text messages from all the folders, select *All messages* and press **Yes**.

Notes for receiving a multimedia message

- If you receive a multimedia message that is too large for the phone (over 100 kilobytes), the network may send you a text message that includes an Internet address where you can view the multimedia message (network service dependent).


Chat

Chat is a fast way to have a conversation using text messages. Each chat message is sent as a separate text message.

The messages received and sent during a chat are not saved.

1. To start a chat, press **Menu** in standby mode and select *Messages* and *Chat*.

Another way to start a chat:
While reading a text message, press **Options** and select *Chat*.

2. Key in your nickname for the chat and press **OK**.
3. Write your message, and press **Send** or  to send it.
4. The reply message from the other person is shown above the message you sent. To reply to the message, press **OK** and repeat step 3.
5. To end the chat, press **Options** and select *Quit* in the editor screen.


During a chat, you can press **Options** and select *Chat history* to view the most recent messages of the current chat, or select *Chat name* to edit your nickname.

Voice messages

Voice mailbox is a network service and you may need to subscribe to it first.

Press **Menu** in standby mode, and select *Messages* and *Voice messages*. Select *Voice mailbox number* to save the number of your voice mailbox or *Listen to voice messages* to call it.



Tip: To quickly call your voice mailbox, press and hold .

Info messages

This network service allows you to receive messages on various topics from your service provider.

Press **Menu** in standby mode, and select *Messages* and *Info service*. For available topics and the relevant topic numbers, contact your service provider.

In UMTS networks, it may not be possible to receive info messages.

Message settings

Settings for text messages

Press **Menu** in standby mode, and select *Messages*, *Message settings*, *Text messages* and *Sending profile*. Select the group of settings ('sending profile') whose settings you want to change, if your SIM card supports several profiles. Select

- *Message centre number* to save the phone number needed for sending text and picture messages. You obtain this number from your service provider.
- *Messages sent as* to choose the message type *Text*, *E-mail*, *Paging* or *Fax* (network service dependent).
- *Message validity* to choose how long the network should attempt to deliver your message to its recipient (network service dependent).
- *Default recipient number* to save a phone number where messages are sent by default when this sending profile is used.
- *Delivery reports* to request the network to send delivery reports on your messages (network service dependent).
- *Use GPRS* to set GPRS as the preferred bearer for sending text messages. When this setting is *Yes*, the phone sends a text message over GPRS connection if this is possible.
- *Reply via same centre* to allow the recipient of your message to send you a reply message via your message centre (network service dependent).

- *Rename sending profile* to change the name of the sending profile. The name of the default profile cannot be changed.

Overwriting settings

You can set the phone to automatically replace old messages with new ones. Press **Menu** in standby mode, and select *Messages*, *Message settings*, *Text messages* and *Overwriting in sent items* or *Overwriting in inbox*. Select *Allowed* to set the phone to replace the old text messages with new ones in the *Sent items* or *Inbox* folder, respectively.

Settings for multimedia messages

Press **Menu** in standby mode, and select *Messages*, *Message settings* and *Multimedia msgs.* Select

- *Save sent messages* and *Yes* to set the phone to save sent multimedia messages in the *Sent items* folder. If you select *No*, the sent messages are not saved.
- *Delivery reports* to request the network to send delivery reports on your messages (network service dependent).
- *Allow multimedia reception* to allow (*Yes*) or prevent (*No*) the reception of multimedia messages or to allow it only in your home network (*In home network*).

- *Incoming multimedia messages* to set the phone to automatically fetch newly received multimedia messages (*Retrieve*), or select *Reject* if you do not want to receive multimedia messages.

This setting is not shown if *Allow multimedia reception* is set to *No*.

- *Connection settings* to define the WAP settings for fetching newly received multimedia messages. Activate the WAP connection set where you want to save the settings and then edit them. See also "*Keying in the service settings manually*" on page 52.

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

- *Allow adverts* to allow or prevent the reception of advertisements. This setting is not shown if *Allow multimedia reception* is set to *No* or *Incoming multimedia messages* is set to *Reject*.

Other settings

To select the font size for viewing text and multimedia messages, press **Menu** in standby mode, and select *Messages*, *Message settings*, *Other settings*, and *Font size*.

Service commands

You can send service requests to your service provider (network service dependent). To access this menu, press **Menu** in standby mode, and select *Messages* and *Service commands*. Key in the desired characters and press **Send**.

Distribution lists

You can create distribution lists for sending text and picture messages to several recipients at a time. Note that you may be charged separately for each recipient of a message to a distribution list.

1. Press **Menu** in standby mode, and select *Messages*, *Text messages* and *Distribution lists*.

2. To create a new list, press **Add** if there are no existing distribution lists, or press **Options** and select *Add list* if there are existing lists.

To view the names on a list, scroll to the desired list and press **View**.

To rename a list, clear it or delete it, press **Options**, and select the appropriate function.

3. If you opened a distribution list by pressing **View** in step 2, you can do one of the following:
 - To add a new name to the list, press **Add** and select the desired name from the phone's internal phone book.

- To view the contact information of a recipient, scroll to the desired name, press **Options** and select *View details*.
- To delete a recipient from the list, scroll to the desired name, press **Options** and select *Delete contact*.

Messages whose sending failed

The messages that could not be sent from the phone are saved in the *Undelivered* folder of the *Distribution lists* menu. To resend a failed message, scroll to the desired message and press **Resend**.

Pressing **Options** allows access to the following functions: *View list*, *Delete list* (to delete the list from the *Undelivered* folder), *View message*.

■ Call register (Menu 2)



In this menu you can view the phone numbers of missed, received and dialled calls, and the approximate length of your calls.

Missed, received and dialled calls

To view the phone numbers of missed, received and dialled calls, press **Menu** in standby mode and select *Call register*. Select

- *Missed calls* to view the ten phone numbers from which somebody has most recently tried to call you with no success (network service dependent).
- *Received calls* to view the ten phone numbers from which you have most recently accepted calls (network service dependent).
- *Dialled numbers* to view the 20 phone numbers that you have most recently called or attempted to call. See also "*Calling a recently dialled number*" on page 7.
- *Delete recent call lists* to clear the lists of missed, received, and dialled calls.

Notes about missed, received and dialled calls

- The phone registers missed and received calls only if the network supports these functions and the phone is switched on and within the network's service area.
- If you press **Options** in the *Missed calls*, *Received calls* or *Dialled numbers* menu, you can view the date and time of the call and edit or call the registered phone number, save it in the phone book, delete it from the list or send a message to the number.

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** in standby mode and select **Call register**. Select

- **Call duration** to view the approximate duration of your incoming and outgoing calls.
- **GPRS data counter** to view the amount of data that was sent and received during the last GPRS session or the total amount of sent and received data. The counter unit is a byte.
- **GPRS connection timer** to view the duration of the last GPRS connection or all GPRS connections.

Profiles (Menu 3)



Your phone has several setting groups, 'profiles', for which you can customise the phone tones for different events and environments.


To access this menu: Press **Menu** in standby mode and select **Profiles**.

1. Select a profile that you want to activate or whose settings you want to change. For example, select the **Silent** profile if you want to mute all the phone tones.
2. Select **Activate**, **Personalise** or **Timed**.
 - To activate the selected profile, select **Activate** or **Timed**.
 - To change the profile settings, select **Personalise**.

For information on the settings, see "**Tone settings**" on page 35. With **Profile name** you can rename the selected profile. The **General** profile cannot be renamed.

The name of the currently active profile is shown in standby mode, except when the **General** profile is active. If the profile is timed, ⌚ is shown in front of its name.



Tip: To change the profile quickly in standby mode, briefly press the power key  and select the profile you want to activate.

■ Settings (Menu 4)



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

To access this menu: Press **Menu** in standby mode and select *Settings*.

Right selection key settings

To access this menu: Press **Menu** in standby mode, and select *Settings* and *Right selection key settings*. Select

- *Select options* to select the functions that can be accessed with the right selection key in standby mode. Scroll to the desired function and press **Mark**. To save the changes, press **Done** and **Yes**.
- *Organise* to change the order of the functions that can be accessed with the right selection key. Scroll to the desired function, press **Move** and select the desired option. To save the changes, press **Done** and **Yes**.

Time and date settings

To access this menu: Press **Menu** in standby mode, and select *Settings* and *Time and date settings*. Select

- *Clock* to set the time, show (or hide) the time in standby mode or select the 12-hour or 24-hour time format.

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

- *Date* to show (or hide) the date in standby mode, set the date or select the date format or date separator.

If the battery is removed from the phone for a long time, you may need to set the date again.

- *Auto-update of date & time* to set the phone to automatically update the time and date according to the current time zone (network service dependent).

Automatic update of date and time does not change the time you have set for the alarm clock, calendar or alarm notes. They remain in local time, which may cause some alarms that you have set to expire immediately after the update.


Call settings



To access this menu: Press **Menu** in standby mode, and select **Settings** and **Call settings**. Select



- **Call divert** to direct your incoming calls to your voice mailbox or another phone number (network service dependent). Divert options that are not supported by your SIM card or your network operator may not be shown.

Select the desired divert option. Set the divert option on (**Activate**) or off (**Cancel**), or check whether the option is activated (**Check status**).

- If you selected **Activate**, select where the calls are to be diverted to. For some divert options you can also select the time after which the call is diverted.

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

- **Anykey answer** and **On** if you want to answer an incoming call by briefly pressing any key, except , the selection keys and .

- **Automatic redial** to set the phone to make up to ten attempts to connect the call after an unsuccessful call attempt.
- **Speed dialling** and **On** if you want to call the names and phone numbers assigned to the speed dial keys  to  by pressing and holding the corresponding key.
- **Call waiting** and **Activate** to request the network to notify you when you receive a new call during a call (network service dependent).
- **Summary after call** and **On** to set the phone to briefly display the duration of the last call.
- **Send my caller identity** to show (**Yes**) your phone number to the person you are calling or to hide it (**No**). This is a network service.
- **Line for outgoing calls** to select the phone line 1 or 2 for making calls (network service dependent). Calls on both lines can be answered regardless of the selected line.

If you select **Line 2** and have not subscribed to this network service, you will not be able to make calls. When line 2 is selected, 2 is shown in standby mode.

Phone settings


To access this menu: Press **Menu** in standby mode, and select **Settings** and **Phone settings**. Select

- **Language** to select the language for the display texts.
- **Automatic keyguard** to set the keypad to lock automatically after a certain length of time when the phone is in standby mode.

To activate the automatic keyguard, select **On** and set the time after which the keypad is locked. To deactivate the automatic keyguard, select **Off**.

See also "**Keypad lock (Keyguard)**" on page 9.



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.

- **Cell info display** to set the phone to indicate when it is used in a cellular network based on the Micro Cellular Network (MCN) technology (network service dependent).

- **Welcome note** to define a note that is shown briefly when the phone is switched on.
- **Network selection** to set the phone to automatically select a cellular network that is available in your area (**Automatic**) or to select the desired network from a list (**Manual**).

The selected network must have a roaming agreement with your home network. If no such agreement exists, **No access** will be displayed and you must select another network.

The phone stays in manual mode until automatic mode is selected or another SIM card is inserted into the phone.

- **System mode** to set the phone to use the GSM or UMTS (**WCDMA**) system or allow the phone to automatically select the system (**Dual system**, default setting). If the selected system is not available in your location, you need to change this setting. After changing the setting, the phone switches itself off and back on.
- **Confirm SIM service actions** to set the phone to show confirmation messages (**Yes**) when you use SIM card services.

- *Help text activation* to set the phone to show help texts that guide you in using the menu functions.
- *Start-up tone* to set the phone to play a tone when the phone is switched on.
- *Memory status* to view the total amount of free and used shared memory and the amount of memory used by different functions.

Display settings

To access this menu: Press **Menu** in standby mode, and select *Settings* and *Display settings*. Select

- *Wallpaper* to set the phone to show a background image, 'wallpaper', when the phone is in standby mode.

The wallpaper images can be found in the *Gallery* menu. You can save new images from multimedia messages, download them from WAP pages, or transfer them with Nokia PC Suite from your PC. Also photos taken with the phone's camera can be used as the wallpaper.

To set an image as the wallpaper:

- To select the wallpaper image for the first time or to change the image, select *Change image*. Scroll to the image you want and press **Open**. Press **Options** and select *Set as wallpaper*.
- If you have previously used the wallpaper but have then selected *Off*, select *On*.
- *Colour schemes* to select the colour for some parts of the phone display, such as the signal strength indicator.
- *Operator logo* to set the phone to display or hide the operator logo saved in the phone. If there is no operator logo available in the phone, this function is dimmed.
For availability of operator logos, contact your network operator or service provider.
- *Screen saver timeout* to set the time after which the screen saver feature is activated. The screen saver is a power saving feature which becomes active if the phone is not used for a certain length of time in standby mode.
You can deactivate the screen saver by pressing any key.
- *Display contrast* to change the contrast of the display.

Tone settings


You can change the tone and vibrator settings of the currently selected profile. The same settings can also be found in the *Profiles* menu, see page 30.

To access this menu: Press **Menu** in standby mode, and select *Settings* and *Tone settings*.

Select *Incoming call alert*, *Ringing tone*, *Ringing volume*, *Vibrating alert*, *Message alert tone*, *Keypad tones*, *Warning tones*, *Alert for*. Select

- *Incoming call alert* to choose how the phone notifies you of an incoming voice call.
- *Ringing tone* to select the tone that rings when you receive a voice call. If you want to select a ringing tone saved in the *Gallery* menu, select *Open gallery* from the tone list.
- *Ringing volume* to select the volume level for the ringing tones and message alert tones.
- *Vibrating alert* to set the phone to vibrate when you receive a call or message. The vibrating alert does not work when the phone is connected to a charger, desktop stand or car kit.




- *Message alert tone* to select the tone you hear when you receive a message. To select the tone from the ringing tone list, select *Ringing tone* and the desired tone.
- *Alert for* to set the phone to ring only upon calls from phone numbers that belong to a certain caller group. See also the *Caller groups* setting in the phone book.

When *Incoming call alert* is set to *Off* and *Message alert tone* is set to *Off*,  is shown in standby mode.

Adding new tones to your phone

For availability of tones via text messaging (SMS), multimedia messaging (MMS) or WAP service, contact your network operator or service provider. The tones are saved in the *Gallery* menu.

Accessory indicators in standby mode

When a compatible accessory is connected to the phone, the corresponding indicator (,  or ) is shown on the display in standby mode.

Security settings

To access this menu: Press **Menu** in standby mode, and select **Settings** and **Security settings**.



Note: When security features that 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 numbers).


Select

- **PIN code request** to set the phone to ask for the PIN code of the SIM card when the phone is switched on. Some SIM cards do not allow this setting to be changed.
- **Call barring service** to restrict the calls that can be made or received with the phone (network service dependent). Select the desired barring option and set it on (**Activate**) or off (**Cancel**), or check whether the option is active (**Check status**).
- **Fixed dialling** to restrict calls and text messages from your phone to selected phone numbers, if allowed by your SIM card.

To view the numbers on the fixed dialling list, select **Number list**, scroll to the desired name and press **View**.

To modify the fixed dialling list, press **Options** and select the appropriate function.

When you use fixed dialling, GPRS connections are not possible, except when sending text messages over a GPRS connection. In this case, the message centre number and the recipient's phone number have to be included on the fixed dialling list.

- **Closed user group** to specify a group of people whom you can call and who can call you (network service dependent). When you use a closed user group, the group number and  are shown in standby mode.
- **Security level** to define when the phone asks for the security code.

If you select **Phone**, the phone asks for the security code when a new SIM card is inserted into the phone.

If you select **Memory**, the security code is asked when the memory in use is **SIM card** and you want to change the memory to **Phone** or **Phone and SIM** or copy names and numbers from one phone book to another.

When you change this setting, the numbers in the menus *Missed calls*, *Received calls* and *Dialled numbers* are deleted.

- *Access codes* to change the security code, PIN code, PIN2 code or barring password. The codes can only include numbers from 0 to 9.

Restoring factory settings

You can reset some of the menu settings to their original values.

Press **Menu** in standby mode, and select *Settings* and *Restore factory settings*. Key in the security code and press **OK**. Note that this function does not delete the information you have saved or downloaded to the phone.

■ Camera (Menu 5)



In this menu you can start the phone's camera and adjust its settings.



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

To access this menu: Press **Menu** in standby mode and select *Camera*.

The photos and video clips are saved in shared memory, see page [xiii](#).

Taking a photo or recording a video clip

You can use the camera in this menu or as described on page [5](#).

To use the camera in this menu, select the camera mode (*Standard photo*, *Portrait photo*, *Night mode*, or *Video*) and open the camera lens cover.

Select *Standard photo* to take a regular photo (in landscape orientation). Select *Portrait photo* to take a photo that can be attached to a name in the phone book. Select *Video* to record a video clip. Select *Night mode* to take a photo when the lighting is dim and the camera needs a longer exposure time.

Adjusting the camera settings

In the *Camera* menu, select *Settings* and

- *Default mode* to select the camera mode that will be used by default when you start the camera by opening the lens cover.

- **Image quality** to select how much a photo will be compressed when the phone saves it. **High** provides the best image quality but takes more memory. **Normal** and **Basic** provide lower image quality but take less memory.
- **Video clip length** to set the maximum length for video clips recorded with the camera. If you select **Default**, the maximum length is 15 seconds.
- **Camera sounds** to set the shutter and self-timer sounds on or off.
- **Default title** to define a default name for photos and video clips. If you want to use the preset title, select **Automatic**. If you want to define your own title, select **My title**.

■ Gallery (Menu 6)

In this menu you can manage graphics, photos, recordings, tones and video clips saved in the phone.

The gallery uses shared memory, see page [xiii](#).



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



To access this menu: Press **Menu** in standby mode and select **Gallery**, or press **Gallery** in standby mode. A list of folders is shown.

1. In the folder list, scroll to the desired folder.
2. Press **Open** to open the selected folder, for example **Photos**. OR: press **Options** and select one of the following: **Add folder**, **Details**, **Type of view**, **Sort**, **Gallery downloads**. Select
 - **Gallery downloads** to download images and tones from a WAP site (network service dependent). See "[Downloading content and applications](#)" on page [xiv](#).
3. If you opened a folder in step 2, select the file you want to view or play and press **Open**.

OR: Press **Options** and use one of the following functions with the selected file: **Delete**, **Send**, **Set as wallpaper**, **Set as ring tone**, **Edit image**, **Move**, **Rename**, **Details**, **View in sequence**.

- **Send** to send the file in a multimedia message.
- **Edit image** to add text, frames and clip-arts to the selected image. Press **Options** and select **Insert text**, **Insert frame** or **Insert clip-art**.

To add a frame or clip-art, scroll to the desired image, press **Options** and select *Insert*. Move the added image with the scroll keys and press **OK**, or press **Back** to change the frame or clip-art. To save the changed image in GIF format, press **Save**, edit the image's name, press **OK**, scroll to the desired folder, press **Options** and select *Save*.

- *Move* to move the file to the desired folder. Scroll to the folder where you want to move the file, press **Options** and select *Move here*.
- *View in sequence* to show or play all the contents of the selected folder one by one.

Copyright protection may prevent some images, ringing tones, and other content from being copied, modified, transferred or forwarded.

Organiser (Menu 7)



This menu contains an alarm clock, calendar, to-do list and electronic wallet.

To access this menu: Press **Menu** in standby mode and select *Organiser*.



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


Alarm clock

You can set the phone to alarm at the desired time.

To access this menu: Press **Menu** in standby mode and select *Organiser* and *Alarm clock*.

To set an alarm, select *Alarm time*, key in the alarm time and press **OK**. To change the alarm time, select *On*.

To set a tone for the alarm, select *Alarm tone* and the desired tone.

When the alarm clock is on,  is shown in standby mode.

When the alarm time expires

The phone will sound an alert tone and flash *Alarm!* and the current time on the display. Press **Stop** to stop the alarm. If you let the phone alarm for a minute or press **Snooze**, the alarm stops for about ten 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, *Switch the phone on?* 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 you need to make, meetings and birthdays. The calendar uses shared memory, see page [xiii](#).

To access this menu: Press **Menu** in standby mode and select *Organiser* and *Calendar*. The month view is shown. You can scroll through the days, weeks and months with the scroll keys.





Tip: To quickly open the calendar in standby mode, press **►**.

Using the different calendar views

- **Month view:** This view shows the weeks of a month. The current day is indicated by a frame around it. If there are notes for the day, the day is shown in bold. To view the notes set for a day ('day view'), scroll to the desired day and press **View**.

You can press **Options** for the following functions: *Make a note*, *Go to date*, *Settings*, *Go to to-do list*. Select

- *Settings* to set the date and time or to select their format, the separator character (for example -) or the first day of the week (*Week starts on*). With *Auto-delete* you can set the phone to delete old notes automatically after a certain length of time.
- **Day view:** This view shows the notes set for the selected day. Press **View** to open the selected note ('note view'), or if there are no notes for the day, press **Add note** to create a new note. You can press **Options** for the following functions: *Make a note*, *Delete*, *Edit*, *Move*, *Repeat*, *Go to date*, *Send note*, *Copy*, *Settings*, *Go to to-do list*. Select
 - *Repeat* to select the interval at which the note is repeated.






- **Note view:** This view shows the note that you opened in the day view. You can scroll the notes set for the selected day by pressing  or . Press **Edit** to modify the displayed note.

You can press **Options** for the following functions: *Delete, Move, Repeat, Send note, Copy, Settings, Go to to-do list.*

Making a calendar note

You can create a new note in the month or day view.


In the month view, scroll to the desired day, press **Options** and select *Make a note*. In the day view, press **Add note** if there are no notes for the day, or press **Options** and select *Make a note*.

Select one of the following note types:  *Meeting*,  *Reminder*,  *Call*,  *Birthday*,  *Memo*.

Make a note and save it. For example, to save a note for a meeting with an alarm, do as follows:

Key in the subject for the meeting and press **Save**. Key in the location for the meeting and press **Save**. Key in the start time for the meeting and press **OK**. Key in the end time and press **OK**. To set the alarm for the note, select *With tone* or *Silent* (no alarm tone) and set the alarm time.

When the phone sounds an alarm for a note

The phone beeps and displays the note. When a *Call* note is displayed, 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**.

To-do list

In the to-do list, you can save notes for tasks you need to do and manage the tasks in different ways. The to-do list uses shared memory, see page [xiii](#).

To access this menu: Press **Menu** in standby mode, and select *Organiser* and *To-do list*. The list of current tasks are shown in a priority order.

- To add a new task, press **Add note** if the task list is empty, or press **Options** and select *Add* if there are existing tasks.
- In the task list, you can press **Options** and select an option for example to sort the tasks by deadline.
- To view a task, scroll to the desired task on the list and press **View**. To edit the displayed task, press **Edit**.

You can press **Options** and select an option for example to set the task's deadline and its alarm or mark the task as done or not done.

Wallet

In the *Wallet* menu you can save personal information, such as credit card numbers, for paying purchases with your phone at WAP sites which support this function.

To access this menu: Press **Menu** in standby mode, and select *Organiser* and *Wallet*. You can open the wallet also by pressing **Options** and selecting *Use wallet info* while browsing WAP pages, see page 53.

When you open the wallet for the first time, you need to create your own wallet code. At *Create wallet code*:, key in the code and press **OK**. Key in the code again at *Verify wallet code*:. The code is asked when you open the wallet, if the *Code request* setting is on.

If you want to delete the wallet contents and the wallet code, key in *#7370925538# in standby mode and enter the phone's security code.

Saving and changing personal card information

Before you can use the wallet, you need to save your credit card number and other information needed in paying purchases.

Select *Cards* in the *Wallet* menu, select the desired card, press **Options** and select *View*.

To copy, clear or rename a card, select *Cards* in the *Wallet* menu, select the desired card, press **Options** and select the function you want.

Personal notes

You can save personal notes in the wallet. Select *Personal notes* in the *Wallet* menu. The phone shows a list of existing notes, if any.

- To create a personal note, press **Add new** if the note list is empty, or press **Options** and select *Add new* if there are existing notes.
- If there are existing notes, you can press **Options** and select an option for example to delete or edit the selected note.
- To view a note on the list, press **View**. When the note is shown, press **Edit** to modify the note, or press **Options** and select an option for example to send the note as a text message.

Wallet settings

Select *Settings* in the *Wallet* menu.
Select *Code request* or *Change code*.

■ Games (Menu 8)



The phone includes some Java games.

For information about the Java version supported by the phone, see "*Applications (Menu 9)*" on page 43. The games use shared memory, see page xiii.

To access this menu: Press **Menu** in standby mode, and select *Games*.



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

Game settings: Select *Settings* to set sounds, lights and vibrations (*Shakes*) for the games. When the *Vibrating alert* function in the *Tone settings* menu is off, the phone does not vibrate even if you set *Shakes* on.

To start a game: Select *Select game*, scroll to the desired game and press **Open** to launch the game. For functions that you can access by pressing **Options** in the game list, see page 44.

To view the amount of memory available for games: Select *Memory*.

To download a game to the phone: Select *Game downloads* and see "*Downloading content and applications*" on page xiv.

■ Applications (Menu 9)



In this menu you can use and manage Java applications installed on your phone. The phone supports Java 2 Micro Edition (J2ME™), which is a version of Java technology specifically designed for small consumer electronics products.


Various service providers offer Java applications via WAP services. Before you can use a Java application you have to transfer it to your phone. Java applications use shared memory, see page xiii.


To access this menu: Press **Menu** in standby mode, and select *Applications*.



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.

Launching an application

1. In the **Applications** menu, select **Select application** and the application or application set you want to use.
2. Press **Open** or  to launch the application or to open the application set.

If you opened an application set, scroll to the desired application and launch it by pressing **Open** or .

Other options available for an application or application set

You can access the functions below by pressing **Options** in the applications list. Select

- **Delete** to delete the selected application or application set from the phone.
If you delete a pre-installed application or an application set from your phone, you may be able to download it back to your phone from the Nokia Software Market, www.softwaremarket.nokia.com/wap.
- **Web access** to set the application to ask for your permission to connect to the network (**Ask first**). If you select **Allowed**, the permission is not asked and the application may connect to the network automatically. If you

select **Not allowed**, the connection is not allowed.

- **Update version** to check if a new version of the application is available for downloading from a WAP site (network service dependent).
- **Web page** to access a WAP site related to the application. This option is shown only if the application contains the IP address of the site.
- **Details** to view additional information about the application.

Downloading a Java application

You can download new Java applications in the following ways:

- In the **Applications** menu, select **App. downloads**. For details, see "[Downloading content and applications](#)" on page [xiv](#).
- Press **Menu** in standby mode and select **Services** to access a WAP page from which you can download the Java application you want. See "[Browsing the pages of a WAP service](#)" on page [53](#).
- Use the **Game downloads** function in the **Games** menu.

- Use the Nokia Application Installer included in the Nokia PC Suite software to transfer new applications from a compatible PC to your phone.



Note that Nokia does not warrant for applications from non-Nokia sites. If you choose to download any content from them, you should take the same precautions, for security or content, as you would with any site.

Note that when downloading a game or an application, it may be saved in the *Games* menu instead of the *Applications* menu.

Checking the memory status

To check the amount of memory available for Java applications, select *Memory* in the *Applications* menu.

■ Extras (Menu 10)



In this menu you can use a calculator, countdown timer and stopwatch, and record voice commands.

To access this menu: Press **Menu** in standby mode, and select *Extras*.





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

Calculator


The phone includes a calculator that can also be used for approximate currency conversions.

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

To access this menu: Press **Menu** in standby mode, and select *Extras* and *Calculator*.

1. Key in the first number in the calculation. Press  for a decimal point.
2. Press **Options** and select *Add*, *Subtract*, *Multiply*, *Divide*, *Square*, *Square root* or *Change sign*. OR: Press  as many times as needed.
3. Key in the second number.
4. For a total, press **Equals**.
5. Press and hold **Clear** for a new calculation.

Making a currency conversion

1. To save the exchange rate, press **Options** and select *Exchange rate*. Select either of the available conversion options. Key in the exchange rate (press  for a decimal point) and press **OK**.
2. To make the conversion, key in the desired amount, press **Options** and select *In domestic* or *In foreign*.



Tip: To make a currency conversion in standby mode, key in the amount, press **Options** and select *In domestic* or *In foreign*.

Voice commands

You can access certain menu functions by saying a voice command. The voice command can be, for example, a function name. Voice commands cannot be used while the phone is sending or receiving data over a GPRS connection.


To access this menu: Press **Menu** in standby mode, and select *Extras* and *Voice commands*.

Before using voice commands:



Read the notes for using voice dialling in "[Voice dialling](#)" on page 16.

Adding a voice command to a menu function

In the *Voice commands* menu, scroll to the desired function and press **Select** and **Add**. Press **Start** and clearly say the word(s) that you want to record as the voice command.

If the function already has a voice command, the indicator  is shown beside its name. Note that all the voice commands are deleted if you insert another SIM card into the phone and save new voice commands.

Using a voice command

Press and hold the right selection key () or the voice key () in standby mode until you hear a short tone. Say the command clearly while holding the phone in the normal position near to your ear.

Playing, changing or deleting a voice command


In the *Voice commands* menu, scroll to the desired function.

To listen to the command, press **Playback**. To change or delete it, press **Options** and select *Change* or *Delete*.

Countdown timer

You can set the phone to alarm after a certain length of time.

To access this menu: Press **Menu** in standby mode, and select *Extras* and *Countdown timer*.

Key in the amount of time (in hours and minutes) after which the phone will alarm, and press **OK**. If you wish, write a note that is displayed when the time expires, and press **OK** to start the countdown timer. When the countdown timer is on,  is shown in standby mode.

- To change the countdown time, access the *Countdown timer* menu and select *Change time*. To stop the timer, select *Stop timer*.

If the alarm time is reached when the phone is in standby mode, the phone sounds a tone and shows the note, if available, or *Countdown time up*. Stop the alarm by pressing any key. If no key is pressed, the alarm automatically stops within 30 seconds. To delete the note, press **OK**.

Stopwatch

You can measure time and take split times or lap times, for example, in different sports.



To access this menu: Press **Menu** in standby mode, and select *Extras* and *Stopwatch*.

Taking split times or lap times

In the *Stopwatch* menu, select *Split timing* or *Lap timing*, and press **Start**. Press **Split** to take a split time, **Lap** to take a lap time or **Stop** to stop the timing. You can scroll through the split or lap times shown below the overall time.

When the timing is stopped, you can press **Save** to save the lap or split times as a time set. To reset the times or to continue the timing, press **Options** and select *Reset* or *Start*.

Setting the timing to continue in the background

If you want to use other functions while the stopwatch is running, press . When the stopwatch is on,  is shown in standby mode. To view the running time, access the *Stopwatch* menu and select *Continue*.



Note: 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.

Viewing and deleting saved time sets

In the *Stopwatch* menu, select *Show last*, *View times* or *Delete times*.

■ Connectivity (Menu 11)



In this menu you can connect the phone to a compatible device via Bluetooth or infrared connection. You can also define the settings for GPRS dial-up connections.



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

Bluetooth wireless technology

The phone supports Bluetooth technology which allows you to wirelessly connect the phone to a compatible Bluetooth device within 10 meters. In this menu, you can set up and manage Bluetooth connections.

To access this menu: Press **Menu** in standby mode, and select *Connectivity* and *Bluetooth*.


The Bluetooth connection can be subject to interference from obstructions such as walls or other electronic devices.

For compatibility between your phone and another Bluetooth device, consult the device's documentation and your Nokia dealer. In some countries, there may be restrictions on using Bluetooth devices. Check with your local authorities.



Note: Using Bluetooth 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.

Setting up a Bluetooth connection

1. Activate the Bluetooth feature: In the *Bluetooth* menu, select *Bluetooth* and *On*. When the Bluetooth feature is on,  is shown at the top of the display.
2. Select *Search for audio enhancements* in the *Bluetooth* menu to search for compatible Bluetooth devices.
3. Select the device that you want to connect to the phone.
4. Enter the device's Bluetooth passcode to associate ('pair') and connect the device to your phone. You only need to give this passcode when you connect to the device for the first time.

5. Start using the device.

To check which Bluetooth device is currently connected to the phone, select *View active device* in the *Bluetooth* menu. If you want to close the connection to the selected device, press **Disconnect**.

Deactivating the Bluetooth feature

If you do not intend to use the Bluetooth feature for some time, you can deactivate it to save power. In the *Bluetooth* menu, select *Bluetooth* and *Off*.

Viewing the paired devices

You can check which Bluetooth devices are currently paired with the phone. In the *Bluetooth* menu, select *View paired devices* and scroll to the desired device. If you want to delete the pairing to the device, press **Delete**.

Pressing **Options** may allow access to the following functions, depending on the status of the device and the Bluetooth connection. Select

- *Connect* to connect to the selected device
- *Assign short name* to give a nickname (visible to you only) to the selected device
- *Request conn. authorisation* to select whether the phone connects to the selected device automatically (*No*) or after receiving your permission (*Yes*)

Bluetooth settings

You can define how your phone is shown to other Bluetooth devices. In the *Bluetooth* menu, select *Bluetooth settings* and

- *My phone's visibility* and *Shown to all* to show the phone to all other Bluetooth devices or *Hidden* to show the phone only to the paired devices.
- *My phone's name* to change your phone's Bluetooth device name that can be seen by other Bluetooth device users.

Infrared

The phone has an infrared port that you can use for connecting your phone to another IrDA compliant device. You can transfer, for example, business cards and calendar notes over the infrared connection.

To access this menu: Press **Menu** in standby mode, and select *Connectivity* and *Infrared*.


Do not point the IR (infrared) beam at anyone's eye or allow it to interfere with other IR devices. This device is a Class 1 Laser product.


Sending and receiving data via infrared

- Ensure that the infrared ports of your phone and the other device are pointing at each other and that there are no obstructions between the devices. The preferable distance between the two devices in an infrared connection is one meter at the most.
- To receive data, activate the infrared port by accessing this menu.
- To send data from your phone, select the function from which you want to send data over the infrared connection.

If data transfer is not started within two minutes after the activation of the infrared port, the connection is cancelled and has to be started again.

Checking the status of the infrared connection

When  is shown continuously, the infrared connection is active and your phone is ready to send or receive data via its infrared port.



When  blinks, your phone is trying to connect to the other device or the connection has been lost.

GPRS

In this menu, you can define the GPRS settings for using the phone as a modem with a PC (network service dependent).

To access this menu: Press **Menu** in standby mode, and select *Connectivity* and *GPRS*.

GPRS indicators

When the GPRS connection is active,  is shown on the display. If the GPRS connection is suspended, for example because you make or receive a call during the connection,  is shown on the display (in GSM networks only).

GPRS modem settings

You can use the phone as a modem for GPRS connections when the phone is connected to a compatible PC via an infrared, Bluetooth or cable connection (network service dependent).

To define the settings for GPRS connections from your PC: In the *GPRS* menu, select *GPRS modem settings* and *Active access point* or *Edit active access point*. Select

- *Active access point* to activate an access point. Scroll to the access point you want to use and press **Activate**. An access point is a server that your phone contacts for an Internet connection.

- *Edit active access point* to change the access point settings. Select
- *Alias for access point* to create a nickname for the active access point.
- *GPRS access point* to save the access point name that is needed for GPRS connections. Contact your network operator or service provider for the access point name.

■ WAP services (Services – Menu 12)



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

To access this menu: Press **Menu** in standby mode and select *Services*.



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

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

Basic steps for accessing and using WAP services

1. Save the service settings that are needed to access the WAP service you want to use. See "[Setting up the phone for a WAP service](#)" below.
2. Make a connection to the given WAP service, see page 53.
3. Start browsing the pages of the WAP service, see page 53.
4. When you want to finish browsing, end the connection to the WAP service. See page 54.

Setting up the phone for a WAP service

You may receive the WAP service settings as an Over The Air (OTA) message from the network operator or service provider that offers the WAP service you want to use. For more information, contact your network operator or service provider, or visit Club Nokia's Web site at www.club.nokia.com.

You can also key in the settings manually or define and edit them with Nokia PC Suite. For appropriate settings, contact your network operator or service provider. The WAP settings may be available, for example, on their Web site.


Saving the service settings received as a message

- To save the received settings, press **Options** and select *Save*.
- To view or discard the received settings, press **Options** and select *View* or *Discard*.


Keying in the service settings manually

1. In the *Services* menu, select *Settings* and *Active service settings* to activate the set where you want to save the service settings. A set is a collection of settings needed for connecting to a WAP service.
2. Scroll to the set you want to activate and press **Activate**.
3. Select *Edit active service settings*.
4. Select and key in all the required settings according to the information you have received from your network operator or service provider. The settings are: *Settings' name*, *Homepage*, *Session mode*, *Connection security*, *GPRS access point*, *IP*

address, *Authentication type*, *Login type*, *User name*, *Password*.

- *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 dot, and press **OK**.
- *Connection security*: Select *On* or *Off*.

When the connection security is *On*, the phone tries to use a connection with improved security with the WAP service. If such a connection is not available, the connection will not be made. If you want to connect anyway, with a connection without improved security, you must set the connection security to *Off*.

- *IP address*: Key in the address (press  for a dot) and press **OK**.

Appearance settings of the WAP browser

1. While browsing, press **Options** and select *Appear. settings*, or select *Appearance settings* in the *Services* menu.

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

Cookie settings

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

A cookie is data that a WAP site saves in the cache memory of your phone. The cookie can be, for example, your user information. Cookies are deleted if you clear the cache memory, see page 55.

1. While browsing, press **Options** and select *Cookie settings*, or in the *Services* menu, select *Settings* and *Cookie settings*.
2. Select *Cookies* and *Allow* or *Reject*.

Making a connection to a WAP service

1. Activate the settings of the WAP service that you want to use:


In the *Services* menu, select *Settings* and *Active service settings*. Scroll to the set you want to use and press **Activate**.

If you want to use the same WAP service as the previous time, you can skip this step.

2. Make a connection to the WAP service in one of the following ways:


- Open the homepage of the WAP service: In the *Services* menu, select *Home*.



Tip: To quickly open the homepage of the WAP service, press and hold  in standby mode.

- Select the bookmark of the WAP service: In the *Services* menu, select *Bookmarks* and a bookmark.


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

- Key in the address of the WAP service: In the *Services* menu, select *Go to address*, key in the address (press  for special characters), and press **OK**.




Browsing the pages of a WAP service

The functions of the phone keys may vary in different WAP services.

Follow the text guides on the display.





If you receive or make a call during a GPRS connection,  will be shown to indicate that the GPRS connection is suspended (in GSM networks only).

Using the phone keys while browsing

- Use the scroll keys  or  to browse the WAP page.
- To select a highlighted item, for example a link shown as underlined text, press **Select** or .



Tip: The function of the middle selection key depends on the item you have selected on the WAP page.

- To key in letters and numbers, use the keys  - . To insert a special character, press , scroll to the desired character and press **Use** or .
- Some of the following options may be available while browsing. Press **Options** and select the desired option. The service provider may also offer other options.

The options are: *Home*, *Bookmarks* (see page 55), *Add bookmark*, *View image* (or *View images*), *Go to address*, *Service inbox* (see page 55), *Use wallet info* / *Close wallet* (see "Wallet" on page 42), *Appear. settings* (see page 52), *Cookie settings*

(see page 53), *Use detail*, *Reload*, *Clear the cache* (see page 55), *Security info*, *Quit* (to end the connection, see page 54).


Select

- *Home*: To return to the homepage of the WAP service.
- *Use detail*: To copy, for example, an e-mail address from the WAP page.
- *Reload*: To reload and update the current WAP page.
- *Security info*: To view security information about the current WAP connection and the server.

Direct calling

The WAP browser supports functions that you can access while browsing. You can make a voice call, send DTMF tones while a voice call is in progress, and save a name and a phone number in the phone book from a WAP page.


Ending a WAP connection

To quit browsing, press **Options** and select *Quit*. When *Quit browsing?* is shown, press **Yes**. Alternatively, press  twice.

The phone ends the connection to the WAP service.

Bookmarks

You can save WAP page addresses as bookmarks in the phone. WAP bookmarks are saved in shared memory, see page [xiii](#).

1. While browsing, press **Options** and select **Bookmarks**, or select **Bookmarks** in the **Services** menu.
2. Scroll to the desired bookmark and press **Select** (or ) to connect to the WAP page associated with the bookmark, or press **Options** for the following functions: **View**, **Edit**, **Delete**, **Send**, **New bookmark**.

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 Internet site, for example.

Receiving a bookmark

When you have received a bookmark as an Over The Air (OTA) message, press **Save** to add it to the bookmark list, or press **Options** and **View** or **Discard**.

Service inbox

The phone is able to receive service messages ('pushed messages') from your service provider (network service dependent).

To set the phone to receive service messages: Press **Menu** in standby mode, and select **Services**, **Settings**, **Service inbox settings**, **Service messages**, and **On**.

To view a received service message:

1. When a note about a new service message is shown, press **View** to view the message right away or press **Exit** to view it later in **Service inbox** in the **Services** menu. OR: While browsing, press **Options** and select **Service inbox**.
2. Press **Retrieve** to fetch the content indicated in the message from a WAP site, or press **Options** and select **Details** or **Delete**.

Emptying 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.

Press **Menu** in standby mode, and select *Services* and *Clear the cache*.
OR: Press **Options** while browsing and select *Clear the cache*.

Security features for WAP connections

Security features may be required for some WAP services, such as banking services or WAP shops. For such connections you need security certificates and possibly a security module which may be available on your SIM card. For more information, contact your service provider.

Security module

The security module can contain certificates as well as private and public keys. The security module provides security services for the WAP - related functions, and allows you to use a digital signature. The certificates are saved in the security module by the service provider.


Press **Menu** in standby mode and select *Services*, *Settings* and *Security module settings*. Select

- *Security module details* to view the security module's title, status, manufacturer and serial number.
- *Module PIN request* to set the phone to ask for the module PIN code when using services provided by the security module.

- *Change signing PIN* to change the signing PIN code, if allowed by the security module.
- *Change module PIN* to change the module PIN code, if allowed by the security module.

Certificates


The phone supports three kinds of certificates: server certificates, authority certificates and user certificates. You may receive these certificates from a WAP service provider. Authority certificates and user certificates may also be saved in the security module by the service provider. For details and availability, contact your service provider.

When using a server certificate, the security indicator  is displayed during a WAP connection, if the data transmission between the phone and the WAP gateway or WAP server (identified by the *IP address* in the *Edit active service settings*) is encrypted. However, the security indicator does not indicate that the data transmission between the gateway and the content server (place where the requested resource is saved) is secure. It is up to the service provider to secure the data transmission between the gateway and the content server.

Digital signature

You can create digital signatures with your phone. The signature can be traced back to you via the private key in the security module and the user certificate that was used to make the signature. Using the digital signature may be considered to be equal to normal signature on any legal document.

To make a digital signature, select a link on a WAP page, for example, the title of the book you want to buy and its price. The text to sign (possibly including amount, date, etc.) will be shown.

Check that the text *Read* and the digital signature indicator  are shown at the top of the display. If the digital signature icon does not appear, there is a security breach, and you should not enter any personal data such as your signing PIN.

To sign the text, read all of the text first and then press **Sign**. The text may not fit within a single screen. Therefore, make sure to scroll through and read all of the text before signing. Select the user certificate you want to use. Key in the signing PIN and press **OK**. The digital signature indicator will disappear, and the WAP service may display a confirmation of your purchase.

After using the wallet, empty the cache memory, see page 55.

SIM services (Menu 13)



In addition to the functions available on the phone, your SIM card may provide additional services that you can access in menu 13. This menu is shown only if it is supported by your SIM card. The name and contents of this menu depend on the services 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 the confirmation messages sent between your phone and the network when you are using a SIM service. Select the option *Yes* in the *Confirm SIM service actions* setting, see page 33.

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

7. Battery information

■ 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 (59°F and 77°F). 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 as household waste.

8. Mobile Enhancements

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

Some of the enhancements are described in detail below.

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

- Keep the enhancements out of small children's reach.
- When you disconnect the power cord of any enhancements, 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 enhancements 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

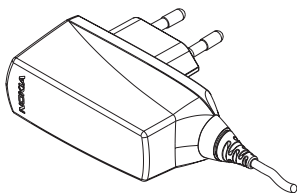
Type	Tech	Capacity	Talk-time (GSM)*	Talktime (WCDMA)*	Standby (GSM, WCDMA)*
BLC-2	Li-Ion	1000 mAh	Up to 3.2 hrs - 4.4 hrs	Up to 2.0 hrs - 3.2 hrs	Up to 168 hrs - 336 hrs.

* Variation in operation times may occur depending on SIM card, network and usage settings, usage style and environments. Use of FM radio and loudspeaker feature will affect talktime and standby.

Indoor

Travel Charger (ACP-12)

Small, lightweight travel charger with multivoltage (100 - 240V) switcher technology. Provides easy and convenient way to charge the phone.

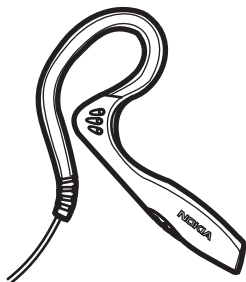


Note: The plug types vary according to different markets.

■ Indoor and Vehicle

Boom Headset (HDB-4)

This small and lightweight headset has a beautiful and distinctive Nokia design. Gives you excellent audio quality and you can answer or end calls by pressing the button on the microphone part of the headset.



■ 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.

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 a soft, clean and dry cloth to clean the camera's lense.
- 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.

To maintain compliance with radio frequency exposure guidelines only use Nokia approved accessories. When the phone is on and being worn on the body, always use a Nokia approved carrying case.

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

■ Electronic devices

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

Pacemakers

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

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

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 0.64 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.

Index

A

- Access codes xii
 - preset code xii
- Alarm clock 39
- Answering or rejecting an incoming call 8
- Auto-update of date & time 31

B

- Battery 59
- Battery information
 - type 59
- Bluetooth or infrared connection 48
- Bluetooth passcode 48
- Bluetooth settings 49
- Boom Headset (HDB-4) 60

C

- Calendar 40
 - Making a calendar note 41
 - To-do list 41
- camera settings 37
- Certificates 56
- Charger connector 2
- Chat 26
- Copying names and phone numbers 15
- Countdown timer 46
- currency conversion 46
- customise the phone tones 30

D

- Deactivating the Bluetooth feature 49
- Digital signature 57
- Display settings 34
 - Display contrast 34
 - wallpaper 34
- Distribution lists 28

E

- Editing a name, number or text item 15
- Emptying the cache memory 55

G

- Gallery 38
- General instructions on writing text 11
- GPRS 50
 - GPRS modem settings 50
- GSM and UMTS networks xiii

I

- Infrared 49
 - Sending and receiving data via infrared 50
- Installing the SIM card and the battery 3

K

- key settings 31
- Keypad lock (Keyguard) 9
- Keys
 - Power key 1
 - Scroll keys 1
 - Voice key 1
 - Volume keys 1

M

- Making a call 7
- Memory status 34
- Message settings 26
- Missed, received and dialled calls 29
- Mobile Enhancements 59
- Multimedia messages 22

N

- Network selection 33

O

- Organiser 39

P

- Phone settings 33

R

- Recording a voice tag 17

S

- SAR value 65
- Saving names and phone numbers 13
- Searching for a name in the phone book 14
- Security features for WAP connections 56
- Security settings 36
- Setting predictive text input on or off 10
- Setting up a Bluetooth connection 48
- Speed dials 16
- Standby mode and display indicators 2
- Stopwatch 47

T

- Taking a photo or recording a video clip 37
- Text and picture messages 19
- Time and date settings 31

U

- USB port 2
- Using predictive text input 10
- Using the camera 5
- Using the loudspeaker 9

V

- Voice commands 46
- Voice dialling 16
- Voice messages 26
- Voice recording 9

W

- Wallet 42
 - delete the wallet contents and the wallet code 42
- WAP services 51
 - Bookmarks 55
 - Browsing the pages of a WAP service 53
 - Ending a WAP connection 54
 - Making a connection to a WAP service 53
- Writing and sending a text or picture message 19
- Writing text 10