

# User's Guide for Nokia 6820

---

## DECLARATION OF CONFORMITY

We, NOKIA CORPORATION declare under our sole responsibility that the product NHL-9 is in conformity with the provisions of the following Council Directive: 1999/5/EC.

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

# CE 168

Copyright © 2004 Nokia. 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) 1997-2004. 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.

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 market. Please check with the Nokia dealer nearest to you.

# Contents

<b>FOR YOUR SAFETY .....</b>	<b>vi</b>	<b>3. Call functions.....</b>	<b>11</b>
<b>Network Services .....</b>	<b>vii</b>	Making a call .....	11
<b>About enhancements.....</b>	<b>viii</b>	Speed dialling a phone number .....	11
<b>General information .....</b>	<b>ix</b>	Answering or rejecting	
Access codes .....	ix	an incoming call .....	12
Security code (5 to 10 digits) .....	ix	Call waiting .....	12
PIN and PIN2 codes (4 to 8 digits),		Options during a call .....	12
Module PIN and Signing PIN .....	ix	<b>4. Writing text.....</b>	<b>14</b>
PUK and PUK2 codes (8 digits) .....	ix	Writing text using the messaging	
Barring password (4 digits) .....	x	keyboard.....	14
Wallet code (4 to 10 digits) .....	x	Typing accented characters .....	15
Overview of the phone		Writing text when the flip	
functions .....	x	is closed.....	15
Shared memory .....	xi	Setting predictive text input	
<b>1. Getting started .....</b>	<b>1</b>	on or off.....	15
Installing the SIM card and the		Using predictive text input .....	15
battery .....	1	Using traditional text input .....	16
Charging the battery .....	2	Tips for writing text .....	17
Switching the phone on		<b>5. Using the menu.....</b>	<b>18</b>
and off .....	2	Accessing a menu function .....	18
Switching the keyboard lights		List of menu functions.....	19
on or off.....	3	<b>6. Menu functions.....</b>	<b>21</b>
<b>2. Your phone .....</b>	<b>4</b>	Messages (Menu 1) .....	21
Keys (flip closed) .....	4	Text messages (SMS) .....	21
Connectors.....	4	Archive folder and my folders .....	24
Keys (flip open).....	5	Templates .....	24
Standby mode.....	6	Distribution lists.....	25
Screen saver .....	7	Text message counter.....	25
Wallpaper.....	7	Multimedia messages .....	26
Essential indicators		Deleting messages.....	29
in standby mode.....	7	E-mail messages.....	30
Keypad lock (Keyguard).....	9	Chat .....	33
Over the air settings service .....	9	Voice messages.....	39
		Info messages .....	40
		Message settings.....	40

Settings for e-mail .....	42	Camera (Menu 6).....	70
Font size setting.....	45	Taking a photo .....	71
Service commands.....	45	Recording a video clip.....	71
Call register (Menu 2).....	45	Camera settings.....	72
Recent calls lists .....	45	Organiser (Menu 7).....	72
Timers and counters.....	46	Alarm clock.....	72
Contacts (Menu 3).....	46	Calendar.....	73
Selecting settings for contacts .....	47	To-do list .....	75
Saving names and phone numbers		Notes .....	75
(Add contact) .....	47	Wallet.....	76
Adding an image to a name or		Synchronisation.....	79
number in contacts .....	48	Applications (Menu 8).....	81
Searching for a contact .....	48	Games.....	81
Deleting contacts.....	49	Collections .....	81
Editing or deleting details		Extras.....	83
in contacts.....	49	Services (Menu 9).....	86
My presence .....	50	Basic steps for accessing and	
Subscribed contacts.....	51	using services.....	86
Copying contacts .....	53	Setting up the phone for	
Sending and receiving		a service.....	86
a business card .....	53	Connecting to a service .....	87
Speed dials.....	53	Browsing the pages of a service.....	88
Voice dialling.....	53	Disconnecting from a service.....	89
Info numbers and service		Appearance settings of	
numbers.....	55	the multi-mode browser.....	89
My numbers.....	55	Cookies.....	89
Caller groups.....	55	Bookmarks.....	90
Settings (Menu 4).....	55	Downloading .....	90
Profiles .....	55	Service inbox.....	90
Chat and my presence settings.....	56	Cache memory .....	91
Tone settings.....	57	Browser security.....	91
Display settings .....	57	SIM services (Menu 10).....	93
Time and date settings.....	58	<b>7. PC Connectivity.....</b>	<b>95</b>
Personal shortcuts.....	59	PC Suite.....	95
Connectivity .....	59	(E)GPRS, HSCSD and CSD .....	96
More settings.....	64	Using data communications	
Security settings .....	67	applications.....	96
Restore factory settings.....	68		
Gallery (Menu 5).....	68		

8. Battery information .....	97
Charging and Discharging.....	97
9. Mobile Enhancements.....	98
Battery .....	98
Indoor .....	98
Travel Charger (ACP-12) .....	98
Indoor and Vehicle .....	99
Boom Headset (HDB-4).....	99
Vehicle .....	99
Mobile Charger (LCH-9).....	99
10. Care and maintenance .....	100
11. Important safety	
information .....	101
Index .....	105

# 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.

# Network Services

The wireless phone described in this guide is approved for use on the EGSM 900, GSM1800 and GSM 1900 networks.

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

This wireless phone, the Nokia 6820, is a 3GPP GSM Release 99 terminal supporting (E)GPRS service, and is designed to also support Release 97 GPRS networks. However, proper functionality in all Release 97 GPRS networks cannot be guaranteed. For more information, contact your service provider or local Nokia dealer.

This phone supports WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols. Some features of this phone, such as MMS, browsing, e-mail, chat, presence-enhanced contacts, remote synchronisation, and content downloading via browser or over MMS, require network support for these technologies.

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 enhancements

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from ACP-7, ACP-8, ACP-9, ACP-12, LCH-8, LCH-9, LCH-12 and AC-1.



**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.

## A few practical rules for enhancements operation

- Keep all accessories out of the reach of small children.
- When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.
- Check regularly that any vehicle-installed accessories are mounted and are operating properly.
- Installation of any complex car accessories must be made by qualified personnel only.



# General information

## ■ Access codes

### Security code (5 to 10 digits)

The security code protects your phone against unauthorised use. The preset code is 12345. When you have changed the code, keep the new code secret and in a safe place separate from your phone. To change the code, and to set the phone to request it, see "[Security settings](#)" on page 67.

If you key in an incorrect security code five times in succession, the phone may display *Code error*. Wait for five minutes and key in the code again.

### PIN and PIN2 codes (4 to 8 digits), Module PIN and Signing PIN

- The PIN (Personal Identification Number) code protects your SIM card against unauthorised use. The PIN code is usually supplied with the SIM card. Set the phone to request the PIN code each time the phone is switched on, see "[Security settings](#)" on page 67.

- The PIN2 code may be supplied with the SIM card and is required to access some functions.
- The module PIN is required to access the information in the security module. See "[Security module](#)" on page 91. The module PIN is supplied with the SIM card if the SIM card has a security module in it.
- The signing PIN is required for the digital signature. See "[Digital signature](#)" on page 93. The signing PIN is supplied with the SIM card if the SIM card has a security module in it.

If you key in an incorrect PIN code three times in succession, the phone may display *PIN blocked* or *PIN code blocked* and ask you to key in the PUK code.

### PUK and PUK2 codes (8 digits)

The PUK (Personal Unblocking Key) code is required to change a blocked PIN code. The PUK2 code is required to change a blocked PIN2 code.

If the codes are not supplied with the SIM card, contact your network operator or service provider.

## Barring password (4 digits)

The barring password is required when using the *Call barring service*, see "*Security settings*" on page 67. You can obtain the password from your service provider.

## Wallet code (4 to 10 digits)

The wallet code is required to access the wallet services. If you key in an incorrect wallet code several times, the wallet application is blocked for five minutes. For further information, see "*Wallet*" on page 76.

## ■ Overview of the phone functions

Your Nokia 6820 phone is approved for use on EGSM 900, GSM 1800 and GSM 1900 networks. It provides many functions that are practical for daily use, such as a calendar, clock, alarm clock, and built-in camera. The camera can be used for recording video clips and taking pictures which you can, for example, attach as wallpaper in standby mode or as thumbnail pictures in *Contacts*. See "*Camera (Menu 6)*" on page 70. Your phone also supports the following functions:

- EDGE (Enhanced Data rates for GSM Evolution), see "*(E)GPRS*" on page 62. EDGE packet transmission networks enable faster connection than GPRS.
- The xHTML browser allows you to retrieve and view colourful and rich graphical content from service providers' web servers. See "*Services (Menu 9)*" on page 86.
- Presence-enhanced contacts allow you to conveniently share your availability information with your colleagues, family and friends with compatible devices and services. See "*My presence*" on page 50.
- Chat is a way of sending short text messages that are delivered to online users. See "*Chat*" on page 33.
- A messaging keyboard for writing text comfortably, see "*Writing and sending messages*" on page 21.
- The e-mail function allows you to write, send and retrieve e-mails from your e-mail account. See "*E-mail messages*" on page 30.

- The multimedia messaging service (MMS) allows you to send and receive multimedia messages that contain text, picture, sound or video clips to and from compatible devices. You can save the pictures and ringing tones for personalising your phone, see "[Multimedia messages](#)" on page 26.
- Polyphonic sound (MIDI) that consists of several sound components that are played at the same time. The phone has sound components from over 40 instruments and it can play up to 16 instruments at the same time. The phone supports Scalable Polyphonic MIDI (SP-MIDI) format.
- Java 2 Micro Edition, J2ME™ includes some Java applications and games that have been specially designed for mobile phones. You can download new applications and games to your phone, see "[Applications \(Menu 8\)](#)" on page 81.

## Shared memory

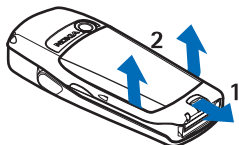
The following features in this phone may share memory: contacts, text, chat and multimedia messages, e-mails, voice tags and SMS distribution lists, images, ringing tones, video and sound clips in gallery, camera, calendar, to-do notes, Java games, applications, and the note application. Using any such 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, Java applications, etc. 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.



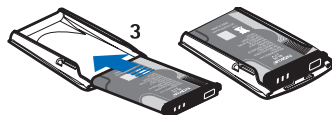
# 1. Getting started

## ■ Installing the SIM card and the battery

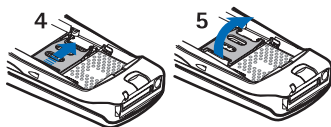
- Keep all miniature SIM cards out of the reach of small children.
  - The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.
  - Before installing the SIM card, always make sure that the phone is switched off and disconnected from any enhancement and then remove the battery.
1. With the back of the phone facing you, push the back cover release button (1) and, at the same time, lift the back cover off the phone (2).



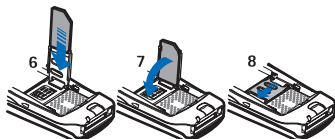
2. Slide the battery towards the cover (3) until you hear it click into place.



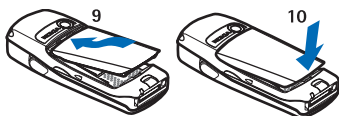
3. To release the SIM card holder, slide the card holder backwards (4) and open it by lifting it up (5).



4. Insert the SIM card into the SIM card holder (6). Make sure that the SIM card is properly inserted and that the golden contact area on the card is facing downwards. Close the SIM card holder (7) and slide it back into its place (8).

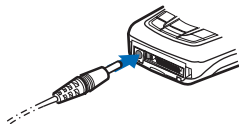


5. Direct the back cover towards the locking catches on the phone (9) and slide the back cover until it locks into place (10).



## ■ Charging the battery

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



2. Connect the charger to an AC wall socket.

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


You can use the phone while the charger is connected.

The charging time depends on the charger and the battery used. For example, charging a BL-5C battery with the ACP-12 charger takes about one hour and 30 minutes while the phone is in standby mode.

## ■ 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 a security code, key in the code, and press **OK**.

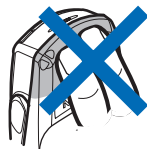
See also "[Security settings](#)" on page 67 and "[General information](#)" on page ix.

- 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.




**TIPS ON EFFICIENT OPERATION:** Your phone has a built-in antenna. As with any other

radio transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed. Not touching the antenna area during a phone call optimises the antenna performance and the talktime of your phone.



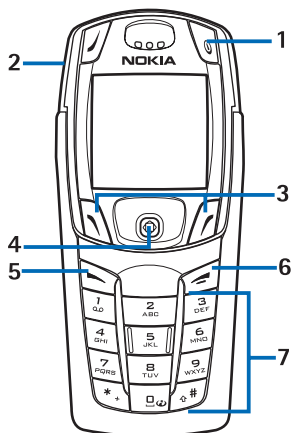
## Switching the keyboard lights on or off

- The keyboard lights are not lit automatically, when you open the flip. To turn on the lights, press the light key  on the top left corner of the keyboard. The keyboard lights are switched off after a certain time, but they are turned on again as soon as you press any key.
- To switch the keyboard lights off, press the keyboard light key or close the flip.

## 2. Your phone

### ■ Keys (flip closed)

#### 1. Power key



Switches the phone on and off.

When the keypad is locked, pressing the power key turns the phone's display lights on for approximately 15 seconds.

#### 2. Loudspeaker

#### 3. Selection keys and

The function of the keys depends on the guiding text shown on the display above the keys, see Standby mode on page 6.



#### 4. 5-way joystick

Enables scrolling through names, phone numbers, menus or settings. The 5-way joystick is also used to move the cursor up and down, right and left when writing text, using the calendar, and in some game applications. Pressing the joystick briefly selects the function.

#### 5. dials a phone number, and answers a call. In standby mode it shows the list of most recently called numbers.

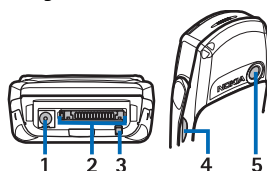
#### 6. ends an active call. Exits from any function.

#### 7. - enter numbers and characters.

 and  are used for various purposes in different functions.

### ■ Connectors

#### 1. Charger connector.



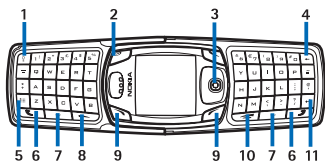



2. Pop-Port™ connector for headsets, data cable and other enhancements. Connect an enhancement to the Pop-Port connector as shown in the picture.
3. Microphone.
4. Infrared (IR) port.
5. Camera lens on the back cover of the phone.





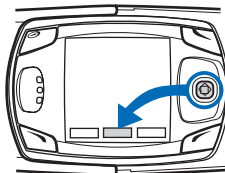
## ■ Keys (flip open)










When you open the flip, the display graphics are rotated 90 degrees and the left, middle and right selection keys change positions, but the guiding texts above the selection keys do not change. For using the keys to write and edit text, see ["Writing text using the messaging keyboard"](#) on page 14.





1. Keyboard light key  switches the keyboard light on or off to provide additional lighting while using the keyboard. See also ["Switching the keyboard lights on or off"](#) on page 3.

2. Power key  switches the phone on and off.
3. 5-way joystick  For usage, see ["Keys \(flip closed\)"](#) on page 4. To select a function as shown in the picture, when the flip is open, press the joystick.



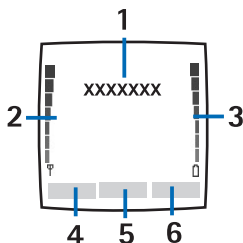
4. Backspace  deletes characters.
5. Character key  opens a set of characters and symbols during text writing.
6. Shift keys  and  enter upper case letters and symbols. You can either press the shift key first and then the desired key or press both keys at the same time.
7. Space bar keys  and  enter a space.
8.  dials a phone number, and answers a call. In standby mode it shows the list of most recently called numbers.
9. Selection keys  and . The function of the keys depends on the guiding text shown on the display on the side of the keys.

10.  ends an active call. Exits from any function.
11. Enter key  forces a line feed when editing text.

## ■ Standby mode

When the phone is ready for use (the flip can be either closed or open), and you have not keyed in any characters, the phone is in standby mode.

1. Shows the name of the network or the operator logo to indicate in which cellular network the phone is currently being used.



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. The left selection key in standby mode is **Go to**.

Press **Go to** to view the list of available functions that you can add to your personal shortcut list. Press **Options** and select

- **Select options** to view the list of available functions that you can add.

Scroll to the desired function and press **Mark** to add it to the shortcut list. To remove a function from the list, press **Unmark**.

- **Organise** to rearrange the functions on the list. Select the desired function and press **Move**, then select where you want to move the function.

If you for some reason have deleted the content of the **Go to** menu, press **Add** to add a function.

5. The middle selection key in standby mode is **Menu**.
6. The right selection key in standby mode is **Names**, an operator-specific key or a shortcut to a function that you have selected. If you press the right selection key when the text is
  - **Names**, you can access the **Contacts** menu.

- the operator-specific key, you can access an operator-specific web site.
- a specific function that you have selected and activated in *Right selection key*, you can access it directly. See ["Personal shortcuts"](#) on page 59.

See also ["Essential indicators in standby mode"](#) on page 7.

## Screen saver

The phone automatically activates a screen saver after a certain length of time when none of the phone functions have been used, see ["Display settings"](#) on page 57.

## Wallpaper

You can set your phone to display a background picture as wallpaper when the phone is in standby mode, see ["Display settings"](#) on page 57.

## Essential indicators in standby mode




You have received one or several text or picture messages. See ["Reading and replying to an SMS message or an SMS e-mail"](#) on page 23.



You have received one or several multimedia messages. See ["Reading and replying to a multimedia message"](#) on page 28.



or  Your phone is connected to the chat service and the availability status is online or offline, respectively. See ["Connecting to and disconnecting from the chat service"](#) on page 34.


















You have received one or several chat messages and you are connected to the chat service. See ["Connecting to and disconnecting from the chat service"](#) on page 34.



The phone's keypad is locked. See ["Keypad lock \(Keyguard\)"](#) on page 9 and [Automatic keyguard](#) and [Security keyguard](#) in ["Phone settings"](#) on page 65.



The phone does not ring for an incoming call or a text message because [Incoming call alert](#) is set to *Off* and [Message alert tone](#) is set to *Off*. See ["Tone settings"](#) on page 57.

-  The alarm clock is set to *On*. See "[Alarm clock](#)" on page 72.
-  The countdown timer is running. See "[Countdown timer](#)" on page 84.
-  The stopwatch is running in the background. See "[Stopwatch](#)" on page 85.
-  When the (E)GPRS connection mode *Always online* is selected and the (E)GPRS service is available, the indicator is shown on the top left of the display. See "[\(E\)GPRS connection](#)" on page 63.
-  When a (E)GPRS connection is established, this indicator is shown on the top left of the display. See "[\(E\)GPRS connection](#)" on page 63 and "[Browsing the pages of a service](#)" on page 88.
-  The (E)GPRS connection is suspended (on hold), for example, if there is an incoming or outgoing call during an (E)GPRS dial-up connection.
-  The infrared connection indicator. See "[Infrared](#)" on page 61.
-  The Bluetooth connection indicator. See "[Bluetooth wireless technology](#)" on page 59.
-  All your calls are diverted to another number. If you have two phone lines, the divert indicator for the first line is  and for the second line is . See "[Call settings](#)" on page 64.
- 1 or 2** If you have two phone lines, the indicator displays the selected phone line. See "[Call settings](#)" on page 64.
-  The loudspeaker has been activated. See "[Options during a call](#)" on page 12.
-  Calls are limited to a closed user group. See "[Security settings](#)" on page 67.
-  The timed profile is selected. See "[Profiles](#)" on page 55.
-  A headset, handsfree, loopset or music stand enhancement is connected to the phone.


#### Time and date

See "[Time and date settings](#)" on page 58.


## ■ Keypad lock (Keyguard)


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

- **Locking the keypad**

In standby mode, press **Menu** and then  within 1.5 seconds.


- **Unlocking the keypad**

Press **Unlock** and then  within 1.5 seconds or open the flip. Note that the keyguard will not be activated, if you close the flip.

To answer a call when the keyguard is on, press . During a call, the phone can be operated normally. When you end or reject the call, the keypad will automatically lock.

For locking the keypad during a call, see "Options during a call" on page 12, and for setting the security keyguard, see *Security keyguard* in "Phone settings" on page 65.



**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.

## ■ Over the air settings service

In order to use MMS, (E)GPRS, and other wireless services, you need to have proper connection settings on your phone. You may receive the settings directly as an over the air message and then save them on your phone. For more information on the availability of the settings, contact your network operator, service provider or the nearest authorised Nokia dealer.

You may be able to receive the connection settings for (E)GPRS, multimedia messages, synchronisation, chat and presence, e-mail and for multi-mode browser.

When you have received the connection settings as an over the air message *Connection settings received* is displayed.

- To save the settings, press **Options** and select **Save**. If the phone asks *Enter settings' PIN;* key in the PIN code for the settings and press **OK**. For the availability of the PIN code, contact the service provider that supplies the settings.

If no settings have been saved yet, the settings are saved under the first free connection set.

- To view the received settings first, press **Options** and select **View**. To save the settings, press **Save**.
- To discard the received settings, press **Options** and select **Discard**.
- To activate over the air settings, select **Activate** from the appropriate application's settings menu in the **Message settings** menu.

For more information on activating the settings, see "[Connecting to a service](#)" on page 87.

If you want to delete a connection set from the phone, key in **\*#335738#** (\*#delset# in letters) in standby mode, select a connection set that you want to delete and press **Delete**. Then confirm your selection and the phone returns to standby mode.

## 3. Call functions

### ■ Making a call

1. Key in the phone number, including the area code. If you key in an incorrect character, press **Clear** to delete it. To make a call when the flip is open, key in the phone number using the number keys. The loudspeaker is always activated, when you open the flip.

For international calls, press



twice for the international prefix or + if the flip is open, (the + character replaces the international access code) and then key in the country code, the area code without the leading 0, if necessary, and finally the phone number.

2. Press to call the number.  
To adjust the volume during a call, move the joystick to the right to increase or to the left to decrease the volume.
3. Press to end the call or to cancel the call attempt.

See also "Options during a call" on page 12.

### Making a call using contacts

- To search for a name/phone number that you have saved in **Contacts** See "Searching for a contact" on page 48. Press to call the number on the display.

### Last number redialling

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

### Calling your voice mailbox (network service)



- In standby mode when the flip is closed, press and hold , or press and . When the flip is open, press and hold the corresponding number key on the keyboard.


If the phone asks for the voice mailbox number, key it in and press **OK**. See also "Voice messages" on page 39.

### Speed dialling a phone number



Before you can use speed dialling, proceed as follows:


Press **Menu**, select **Settings, More settings, Call settings** and **Speed dialling**. Set the setting to **On**.

Assign a phone number to one of the speed dialling keys from  to , see "[Speed dials](#)" on page 53. Call the number in either of the following ways:

- Press the speed dialling key you want and then press . You can also activate speed dialling by pressing the corresponding number key on the keyboard, when the flip is open.
- If *Speed dialling* is set to on, press and hold a speed dialling key until the call is started.

## ■ Answering or rejecting an incoming call

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

Press  to reject an incoming call.

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



If a compatible headset with the headset key is connected to the phone, you can answer and end a call by pressing the headset key.



**Tip:** If the *Divert if busy* function has been activated to divert calls, for example to your voice mailbox, rejecting an incoming call will also divert the call. See "[Call settings](#)" on page 64.

Note that when somebody is calling you, the phone shows the caller's name, phone number, or the text *Private number* or *Call*. If more than one name is found in *Contacts* with a phone number having the same seven last digits as the caller's number, only the phone number will be displayed, if it is available. The phone may display an incorrect name, if the caller's number has not been saved in *Contacts* but if there is another name saved whose phone number has the same seven digits as in the phone number of the caller.

## Call waiting

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


To activate the *Call waiting* function, see "[Call settings](#)" on page 64.

## ■ Options during a call

Many options during a call are network services. For availability, contact your network operator or service provider. Press **Options** during a call and select:

- *Lock keypad, Record, End call, New call* (network service), *End all calls, Contacts, Menu, Mute* or *Unmute, Hold* or *Unhold, Private* (network service), *Answer* and *Reject*.



- **Conference** to make a conference call that allows up to five people to take part in a conference call. During a call, make a call to a new participant (**New call**). The first call is put on hold. When you have answered the new call, select **Conference** to include the first participant in the call. To have a private conversation with one of the participants, select **Private** and select the participant. To rejoin the conference call after a private conversation, select **Conference**.
- **Send DTMF** to send DTMF (Dual Tone Multi-Frequency) tone strings, for example passwords or bank account numbers. The DTMF system is used by all touch-tone telephones. Key in the DTMF string, or search for it in **Contacts**. Note that you can key in the wait character w and the pause character p by repeatedly pressing .
- **Swap** (network service) to switch between the active call and the call on hold, **Transfer** (network service) to connect a call on hold to an active call and to disconnect yourself from the calls.
- **Loudspeaker** to use your phone as a loudspeaker during a call. Do not hold the phone to your ear during loudspeaker operation as the volume may be extremely loud. To activate the loudspeaker, open the flip or, if the flip is closed, press **Options** and select **Loudspeaker** or press **Loudsp.**, if available.  
  
To deactivate the loudspeaker during a call, close the flip or press **Normal**, when the flip is open. When the flip is closed, press **Options** and select **Handset** or press **Normal**, if available.  
  
The loudspeaker is deactivated automatically when you end the call or call attempt, connect a compatible handsfree unit or a headset to the phone, or close the flip.  
  
If you have connected a compatible handsfree unit or a headset to the phone, **Handset** in the options list is replaced with **Handsfree** or **Headset** and the selection key **Normal** with **Handsf.** or **Heads.**, respectively.

## 4. Writing text

Your phone is especially designed for easy and comfortable text writing. A good way is to write with your thumbs using the messaging keyboard. You can, for example start writing a message using the keyboard, close the flip and continue writing with either traditional or predictive text input. Note that predictive text input is not available, when the flip is open.

### ■ Writing text using the messaging keyboard

When the flip is open, you can start to write a message or a note in two ways.









Press **Menu** and select *Messages*, *Text messages* and *Create message*, see "Writing and sending messages" on page 21.



**Tip:** To quickly start writing a message move the joystick to the left in standby mode.




Or: Press any of the letter keys in standby mode to open the notes, see "Notes" on page 75.

The following functions are available when writing text, when the flip is open:




- To insert a number, press any of the number keys. Pressing a number key in standby mode initiates a normal call procedure.
- To switch between lower and upper case, indicated by **Abc**, **abc** or **ABC** on the top left of the display, or to key in symbols, press either  or  on the keyboard. You can either press the shift key and the desired character consecutively, or press and hold both the shift key and the desired letter key at the same time. To write in upper case only, press  or  twice.
- To delete characters from the display, press  or **Clear**. Pressing backspace briefly clears one character at a time, while a longer keypress deletes characters more quickly.
- To add a space, press one of the space keys  or  at the bottom of the keyboard.
- To force a line feed, press .

## Typing accented characters

The characters available depend on the language selected in the *Phone language* menu, see "Phone settings" on page 65. To type accented characters or symbols that are not printed on the keyboard, do one of the following:

- To access a set of punctuation marks, accented characters and symbols, press . Scroll through the character set by moving the joystick and press **Use** to select the character.
- To type an accented character that is not included in the list of special characters under , such as á, press and hold  and simultaneously press 'a' repeatedly until the desired accented variant of 'a' appears on the display.

## ■ Writing text when the flip is closed

You can use predictive or traditional text input when the phone's flip is closed. During writing, predictive text input is indicated by  and traditional text input by  on the top left of the display. You can change the character case, indicated by **Abc**, **abc** or **ABC** by pressing . The number mode is indicated by **123**, and you can change between letter and number

modes by pressing and holding




## Setting predictive text input on or off

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



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








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

## Using predictive text input

You can key in any letter with a single keypress. Predictive text input is based on a built-in dictionary to which you can also add new words.


1. Start writing a word using the keys  to . Press each key only once for one letter. The word may change after each keystroke.




**Example:** To write Nokia when the English dictionary is selected, press  once for N,  once for o,  once for k,  once for i and  once for a.

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

For more instructions for writing text, see ["Tips for writing text"](#) on page 17.

2. When you have finished writing the word and it is correct, confirm it by adding a space with  or by moving the joystick to the right.



If the word is not the one you are looking for, press  repeatedly or press **Options** and select **Matches**. When the word you want appears, confirm it.

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


## Writing compound words

Key in the first part of the word and confirm it by moving the joystick to the right. Write the last part of the word and confirm it by moving the joystick to the right.

## Using traditional text input

Press a number key,  to  , repeatedly until the desired character appears. Not all characters available under a number key are printed on the key. The characters available depend on the language selected in the **Phone language** menu, see ["Phone settings"](#) on page 65.




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

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






For more instructions for writing text, see ["Tips for writing text"](#) on page 17.

## Tips for writing text

The following functions may also be available for writing text in predictive or traditional input:

- To insert a space, press .
- To move the cursor to the right, left, up or down, move the joystick correspondingly.
- To delete a character from the display, press **Clear**. Press and hold **Clear** to delete the characters more quickly.  
To delete all the characters simultaneously when writing a message, press **Options** and select **Clear text**.
- To insert a word that is not in the dictionary when using predictive text input, press **Options** and select **Insert word**. Write the word using traditional text input and press **Save**. The word is also added to the dictionary.
- To insert a special character when using traditional text input, press  or when using predictive text input, press and hold , or press **Options** and select **Insert symbol**.

Move the cursor with the joystick to a character and press **Use** to select it.

You can also scroll to a character by pressing , ,  or , and select it by pressing .

The following options are available when writing text messages:

- To insert a phone number while in letter mode, press **Options** and select **Insert number**. Key in the number or search for it in **Contacts** and press **OK**.
- To insert a name from **Contacts**, press **Options** and select **Insert contact**. To insert a phone number or a text item attached to the name, press **Options** and select **View details**.

## 5. Using the menu

The phone offers you an extensive range of functions, which are grouped into menus. Most of the menu functions are provided with a brief help text. To view the help text, scroll to the menu function you want and wait for 15 seconds. To exit the help text, press **Back**. See "Phone settings" on page 65.



### ■ Accessing a menu function

#### By scrolling

1. To access the menu, press **Menu**.
2. Scroll through the menu by moving the joystick up or down (or right and left if the grid menu is selected), and select, for example, *Settings* by pressing **Select**. To change the menu view, see "Display settings" on page 57.
3. If the menu contains submenus, select the one you want, for example *Profiles*.
4. If the selected submenu contains further submenus, repeat step 3. Select the next submenu, for example *Anykey answer*.
5. Select the setting of your choice.
6. Press **Back** to return to the previous menu level, and **Exit** to exit the menu.

#### By using a shortcut

The menus, submenus and setting options are numbered and you can access most of them by using their shortcut number.

- To access the menu, press **Menu**. Key in quickly, within two seconds, the index number of the menu function you want to access. Note that to access the menu functions in menu 1, press **Menu**, ,  and then key in the rest of the desired shortcut number.

Press **Back** to return to the previous menu level, and **Exit** to exit the menu.

## List of menu functions

### 1. Messages

1. Text messages
2. Multimedia msgs.
3. E-mail
4. Chat
5. Voice messages
6. Info messages
7. Message settings
8. Service commands



### 2. Call register

1. Missed calls
2. Received calls
3. Dialed numbers
4. Delete recent call lists
5. Timers and counters



### 3. Contacts

1. Search
2. Add contact
3. Delete
4. My presence
5. Subscribed names
6. Copy
7. Settings
8. Speed dials
9. Voice tags
10. Info numbers<sup>1</sup>
11. Service numbers<sup>1</sup>
12. My numbers
13. Caller groups



### 4. Settings

1. Profiles
2. Chat and my presence settings
3. Tone settings
4. Display settings
5. Time and date settings
6. Personal shortcuts
7. Connectivity
8. More settings
9. Restore factory settings



### 5. Gallery

1. Images
2. Video clips
3. Graphics
4. Tones
5. Recordings



### 6. Camera

1. Standard photo
2. Portrait photo
3. Night mode
4. Video
5. Settings



### 7. Organiser

1. Alarm clock
2. Calendar
3. To-do list
4. Notes
5. Wallet
6. Synchronisation



1. Shown if supported by your SIM card. For availability, contact your network operator or service provider.

## 8. Applications

1. Games
2. Collection
3. Extras



## 9. Services

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



## 10. SIM services<sup>1</sup>



---

1. Only shown if supported by your SIM card. The name and contents vary depending on the SIM card.



## 6. Menu functions

### ■ Messages (Menu 1)



You can read, write, send and save text, multimedia, and e-mail messages. All messages are organised in folders.

Before you can send any text, picture or text (SMS) e-mail messages, you need to save your message centre number, see "[Message settings](#)" on page 40.

### Text messages (SMS)

Using SMS (Short Message Service) your phone can send and receive multi-part messages which consist of several ordinary text messages (network service). This may affect the invoicing of the messages.

You can also send and receive text messages that contain pictures.

The text messages function uses shared memory, see "[Shared memory](#)" on page xi.



**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 messages

The number of available characters and the current part number of a multi-part message are shown on the top right of the display, for example 120/2. Special (Unicode) characters, such as á, may take up more space in the message than other characters.

1. Press **Menu** and select *Messages*, *Text messages* and *Create message*.



**Tip:** To quickly start writing a message, move the joystick to the left in standby mode.

2. Key in a message, see "[Writing text](#)" on page 14. Use template to insert text or a picture into the message, see "[Templates](#)" on page 24. Each picture message is made up of several text messages. Therefore, sending one picture message may cost more than sending one text message.
3. To send the message, press **Send** or .
4. Enter the recipient's phone number or search for it in *Contacts*, and press **OK** to send the message.

## Options for sending a message

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

- To send a message to several recipients, select *Send to many*. When you have sent the message to everyone you want to send it to, press **Done**. Note that a separate message is sent to each recipient.
- To send a message using a distribution list, select *Send to list*. For creating a distribution list, see "Distribution lists" on page 25.
- To send a message using a message profile, select *Sending profile* and the desired message profile. For defining a message profile, see "Message settings" on page 40.




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

## Writing and sending e-mail via SMS

Before you can send an e-mail via SMS, you need to save the settings for sending e-mail, see "Message settings" on page 40. For availability and subscription to the e-mail service, contact your network operator or service provider. To save an e-mail address in *Contacts*, see "Saving multiple numbers and text items per name" on page 47.

1. Press **Menu**, and select *Messages, Text messages and Create SMS e-mail*.
2. Key in the recipient's e-mail address or search for it in *Contacts* and press **OK**.
3. If you wish, you can key in a subject for the e-mail and press **OK**.
4. Key in the e-mail message. See "Writing text" on page 14. The total number of characters that you can key in is shown on the top right of the display. The e-mail address and subject are included in the total number of characters.


See also "Templates" on page 24. Pictures cannot be inserted.


5. To send the e-mail, press **Send** or . If you have not saved the settings for sending e-mails, the phone asks for the number of the e-mail server. Press **OK** to send the e-mail.



**Note:** When sending e-mails via the SMS network service, your phone may display the words *Message sent*. This is an indication that the e-mail has been sent by your phone to the e-mail server. This is not an indication that the e-mail has been received at the intended destination. For more details about e-mail services, check with your service provider.

### Reading and replying to an SMS message or an SMS e-mail


When you have received a message or an e-mail, the indicator  and the number of new messages followed by *... messages received* are shown.

The blinking  indicates that the message memory is full. Before you can receive new messages, delete some of your old messages from the *Inbox* folder.

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

#### Reading the message later:

Press **Menu**, select *Messages*, *Text messages* and *Inbox*.

2. If more than one message has been received, select the one that you want to read. An unread text message is indicated by  in front of it.
3. While reading or viewing the message, press **Options**.

You can select an option, for example, to delete, forward or edit the message as a text message or an e-mail, rename the message you are reading or move it to another folder.

Select *Copy to calendar* to copy text from the beginning of the message to your phone's calendar as a memo for the current day.


Select *Message details* to view, if available, the sender's name and phone number, the message centre used, and the date and time of receipt.

Select *Use detail* to extract numbers, e-mail and website addresses from the current message.

When viewing a picture message, select *Save picture* to save the picture in the *Templates* folder.

- Press **Reply** to reply to a message. Select *Original text* to include the original message in the reply, or select a standard answer to be included in the reply, or select *Empty screen*.

Write your reply and then confirm or edit the e-mail address and subject.

- Press **Send** or  to send the message to the displayed number.

## Inbox and sent items folders

The phone saves incoming text messages in the *Inbox* folder and sent messages in the *Sent items* folder of the *Text messages* submenu.

Text messages that you wish to send later can be saved in the *Archive*, *My folders* or *Templates* folder.

## Archive folder and my folders



To organise your messages, you can move some of them to the *Archive* folder, or add new folders for your messages.

While reading a message, press **Options**. Select *Move*, scroll to the folder to which you want to move the message and press **Select**.


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

- To add a folder, press **Options** and select *Add folder*. If you have not saved any folders, press **Add** to create one.
- To delete a folder, scroll to the folder that you want to delete, press **Options** and select *Delete folder*.

## Templates

Your phone includes text templates, indicated by , and picture templates, indicated by .

To access the template list, press **Menu** and select *Messages*, *Text messages* and *Templates*.

- To insert a text template into a message or an e-mail that you are writing or replying to, press **Options**. Select *Use template* and select the template that you want to insert.
- To insert a picture into a text message that you are writing or replying to, press **Options**. Select *Insert picture* and select a picture to view it. Press **Insert** to insert the picture into your message. The  indicator in the header of the message indicates that a picture has been attached. The number of characters that you can include in a message depends on the size of the picture.

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

## Distribution lists

If you need to send messages frequently to a fixed group of people, you can define a distribution list for that purpose. You can save the distribution lists both in the phone's and in the SIM card's memory. Note that the phone sends the message separately to each recipient on the list. Therefore, sending a message using a distribution list may cost more than sending a message to one recipient.

Distribution lists use shared memory, see "*Shared memory*" on page xi.

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 distribution lists, or press **Options** and select *Add list* if you have already created distribution 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 *Contacts*.
- 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*.

If the message fails to be sent to certain recipients on the distribution list, failed messages are listed in the *Undelivered* folder. Press **Resend** to send the message again, or press **Options** and select *Delete list* to delete the *Undelivered* list or *View message*.

## Text message counter

Text message counter shows the number of received and sent text and picture messages. Picture messages may consist of more than one message. You can, for example view the recipient or sender of the message or view the details of the message.

## Multimedia messages



**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.

A multimedia message can contain text, one image, sound clip, video clip or a slide. The phone supports multimedia messages that are up to 100 kb in size. If the maximum size is exceeded, the phone may not be able to receive the message. Depending on the network, you may receive a text message that includes an Internet address where you can view the multimedia message on the PC.

If the message contains an image, the phone scales it down to fit the display area.

The multimedia function uses shared memory, see "[Shared memory](#)" on page [xi](#).

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



**Note:** 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.

Multimedia messaging supports the following formats:


- Image: JPEG, GIF, WBMP, BMP, PNG and OTA-BMP
- Sound: Scalable Polyphonic MIDI (SP-MIDI), AMR audio and monophonic ringing tones
- Video clips in H.263 format with SubQCIF image size and AMR audio.


The phone does not necessarily support all variations of the aforementioned file formats. If a received message contains any unsupported elements, they may be replaced with the file name and the text *Object format not supported*.

Note that you cannot receive any multimedia messages if you have a call in progress, a game or another Java application running, or an active browsing session over GSM data (see "[Keying in the service settings manually](#)" on page [87](#)). Because delivery of multimedia messages can fail for a variety of reasons, do not rely solely upon them for essential communications.

## Writing and sending a multimedia message



For defining the settings for multimedia messaging, see "Settings for multimedia messages" on page 41. For availability and subscription to the multimedia messaging service, contact your network operator or service provider.


1. Press **Menu** and select *Messages*, *Multimedia msgs.* and *Create message*.
2. Key in a message, see "Writing text" on page 14.
  - To insert a file to the message, press **Options**, select *Insert* and select the desired option. The list of available folders in the *Gallery* menu is shown. Open the specific folder, scroll to the desired file, press **Options** and select *Insert*. An attached file is indicated by the file name in the message.
  - Your phone supports the sending and receiving of multimedia messages that contain several pages ('slides'). To insert a slide into the message, press **Options**, select *Insert* and *Slide*. Each slide can contain text, one image and one sound clip.
  - To move the text part to the top or bottom of the message, press **Options** and select *Text on top* or *Text on bottom*.
  - If the message contains several slides, you can open the desired one by pressing **Options** and selecting *Previous slide*, *Next slide* or *Slide list*.
  - To set the interval between the slides, press **Options** and select *Slide timing*.
  - To insert a name from *Contacts*, press **Options**, select *More options*, *Insert contact* and scroll to the desired name and select it.
  - To insert a number, press **Options**, select *More options* and *Insert number*. Key in the number or search for it in *Contacts* and press **OK**.
3. To view the message before sending it, press **Options** and select *Preview*.
4. Press **Send** or  to send the message, or press **Options** and select *Send to e-mail* or *Send to many*.
5. Enter the recipient's phone number (or e-mail address) or search for it in *Contacts*. Press **OK** and the message is moved to the *Outbox* folder for sending.

It takes more time to send a multimedia message than a text message. While the multimedia message is being sent, the animated indicator  is displayed and you can use other functions on the phone. If there is an interruption, while the message is being sent, the phone tries to resend it a few times. If this fails, the message will remain in the *Outbox* folder and you can try to resend it later.

The messages that you have sent will be saved in the *Sent items* folder if the setting *Save sent messages* is set to *Yes*, see "[Settings for multimedia messages](#)" on page 41. This is not an indication that the message has been received at the intended destination.

## Reading and replying to a multimedia message

When your 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.

The blinking  indicates that the memory for multimedia messages is full, see "[Multimedia messages memory full](#)" on page 29.

The multimedia message function uses shared memory, see "[Shared memory](#)" on page xi.

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

**Reading the message later:** Press **Menu** and select *Messages*, *Multimedia msgs.* and *Inbox*. Scroll to view the message.

2. Press **Select** to view the message. The function of the middle selection key changes according to the displayed object.

- To reply to the message, press **Reply**.
- To delete an object contained in the message, press **Delete**. Otherwise, press **Options** and select *Delete message*.
- if the received message contains a presentation, press **Play** to view the message.

Otherwise, press **Play** to listen to a sound clip or view the video clip contained in the message, or press **Zoom** to zoom in on an attached image or press **View** to view a business card or a calendar note.

If you press **Options**, some of the following options are available:

- *Delete message* to delete a saved message.



- *Reply* or *Reply to all* to reply to the message. To send the reply, see "*Writing and sending a multimedia message*" on page 27.
- *Use detail* to extract phone numbers, e-mail or web addresses from the current message.
- *Forward to no.*, *Forward to e-mail* or *Send to many* to forward the message.
- *Edit* to edit a message that you have written. See "*Writing and sending a multimedia message*" on page 27.
- *Message details* to view the subject, size and class of the message.
- *Play presentation* to view the presentation contained in the message.
- *Open calend. note* or *Open bus. card* to view a calendar note or a business card.

See also the options in *Gallery*, see "*Gallery (Menu 5)*" on page 68.

## Inbox, Outbox, Saved and Sent items folders


The phone saves the multimedia messages that have been received in the *Inbox* folder of the *Multimedia msgs.* submenu.

Multimedia messages that have not yet been sent are moved to the *Outbox* folder of the *Multimedia msgs.* submenu.

The multimedia messages that you wish to send later can be saved in the *Saved items* folder of the *Multimedia msgs.* submenu.

The multimedia messages that have been sent are saved in the *Sent items* folder of the *Multimedia msgs.* submenu, if the setting *Save sent messages* is set to *Yes*, see "*Settings for multimedia messages*" on page 41.

## Multimedia messages memory full

When you have a new multimedia message waiting and the memory for the messages is full, the indicator  blinks and *Multimedia memory full, view waiting msg.* is shown. To view the waiting message, press **Show**. To save the message, press **Save** and delete old messages by first selecting the folder and then the message to be deleted.

To discard the waiting message, press **Exit** and **Yes**. If you press **No**, you can view the message.

## Deleting messages

- To delete text messages, press **Menu** and select *Messages, Text messages* and *Delete messages*.

To delete all messages from all folders, select *All messages* and when *Delete all messages from all folders?* is displayed, press **Yes**. If the folders contain unread messages, the phone will ask whether you want to delete them also.

To delete multimedia messages, press **Menu** and select *Messages*, *Multimedia msgs.* and *Delete messages*.

- To delete all messages from a folder, select the folder from which you want to delete the messages and press **Yes**. If the folder contains unread messages, the phone will ask whether you want to delete them also.

## E-mail messages

The e-mail application allows you to access your e-mail account via the phone. The compatible e-mail system that you use in the office or at home may be supported by the e-mail function on your phone. You can write, send, and read e-mails with your phone. Your phone supports POP3 and IMAP4 e-mail servers.

The e-mail function uses shared memory, see "[Shared memory](#)" on page [xi](#).

Before you can send and retrieve any e-mails, you may need to do the following:

- Obtain a new e-mail account or use the current one. For availability of your e-mail account contact your e-mail service provider.
- For the settings required for e-mail, contact your network operator or e-mail service provider. For receiving the e-mail settings over the air, see "[Over the air settings service](#)" on page [9](#).
- To set the e-mail settings on your phone, press **Menu** and select *Messages*, *Message settings* and *E-mail messages*. See "[Settings for e-mail](#)" on page [42](#).

## Writing and sending an e-mail

You can write your e-mail message before connecting to the e-mail service, or connect to the service first, and then write and send your e-mail.

1. Press **Menu** and select *Messages*, *E-mail*, and *Create e-mail*. The waiting note is displayed.
2. Key in the recipient's e-mail address and press **OK** or press **Edit** and key in the e-mail address, and press **OK**.

To search for the e-mail address in *Contacts*, press **Options**, and select *Search*.

3. You can key in a subject for the e-mail if you want, and press **OK**.

If you press **Options**, you can select one of the following: the message editor, send the message, add a new recipient, add a copy recipient or a hidden copy recipient.

4. Press **Options** and select **Message editor**. Key in the e-mail message, see "Writing text" on page 14. The number of characters that you can key in is shown on the top right of the display.
5. To send the e-mail message, press **Send**. Select
  - **Send now** to send the e-mail immediately. If you have not already connected to the e-mail account, your phone establishes the connection first and then sends the e-mail.
  - **Send later** to send your e-mail later and the e-mail is saved in the **Outbox** folder. If you want to edit or continue writing your e-mail later, you can save it in **Drafts** by selecting **Save draft msg..**

#### **Sending the e-mail later:**

Press **Menu** and select **Messages** and **E-mail**, press **Options** and select **Send now** or **Retrieve and send**.

After sending the message, the phone asks if you want to disconnect from the e-mail service. Press **Yes** to disconnect or **No** to leave the connection open.



**Note:** When sending e-mails, your phone may display the words **Message sent**. This is an indication that the e-mail has been sent by your phone to the e-mail server. This is not an indication that the e-mail has been received at the intended destination. For more details about e-mail services, check with your service provider.

### **Downloading e-mail messages from your e-mail account**

1. Press **Menu** and select **Messages**, **E-mail**, and **Retrieve** to download e-mail messages that have been sent to your e-mail account. Or:


Press **Menu** and select **Messages** and **E-mail**, press **Options** and select **Retrieve and send** to download new e-mail messages and to send e-mails that have been saved in the **Outbox** folder.

If the message memory is full, delete some of your older messages before you start to download new messages.

2. Your phone makes a connection to the e-mail service. A status bar is shown while your phone is downloading e-mail messages to your phone.

After the download, the phone asks if you want to disconnect from the e-mail service. Press **Yes** to disconnect or **No** to leave the connection open.

3. Press **Select** to view the new message in **Inbox**, or press **Back** to view it later.

If more than one message is received, select the message that you want to read. An unread text message is indicated by .

### Reading and replying to an e-mail message

1. Press **Menu**, select **Messages**, **E-mail** and **Inbox**.
2. While reading the message, press **Options**.

You can, for example, view the details of the selected message, mark the message as unread, delete, reply, reply to all, forward or move the message to another folder.

If the message does not fit in the first page, press **Next pg.** to view the next page of the message.

3. To reply to an e-mail, press **Reply**. Select **Original text** to include the original message in the reply or select **Empty screen**.

When replying to an e-mail, confirm or edit the e-mail address and subject, and write your reply.

4. To send the message, press **Send** and select **Send now**.

To send the message later, press **Send later**. The message is moved to the **Outbox** folder.

After sending the message, the phone asks if you want to disconnect from the e-mail service. Press **Yes** to disconnect or **No** to leave the connection open.

### Inbox and Other folders (Drafts, Archive, Outbox and Sent items)

Your phone has the following folders in the **E-mail** menu:

- **Inbox** for saving e-mails that you have downloaded from your e-mail account.
- **Other folders** contains the folders: **Drafts** for saving unfinished e-mails, **Archive** for organising and saving your e-mails, **Outbox** for saving e-mails that have not been sent, if you have selected **Send later**, see "**Writing and sending an e-mail**" on page 30, and **Sent items** for saving e-mails that have been sent.

## Deleting e-mail messages

- To delete e-mail messages, press **Menu** and select **Messages** and **E-mail**, press **Options** and select **Delete messages**.

To delete all messages from a folder, select the folder from which you want to delete the messages and press **Yes**. To delete all messages from all folders, select **All messages** and press **Yes**.

Note that deleting an e-mail from your phone does not delete it from the e-mail server.

## Chat



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

Chat is a way of sending short text messages that are delivered over TCP/IP protocols to online users (network service). Your contact list shows you when the contacts on the list are online and available to participate in a chat conversation. When you have written and sent your message, it stays on the display. The reply message appears above your original message.

Before you can use chat, you need to subscribe to the service. For availability, charging and subscription to the service, contact your network operator or service provider, from whom you also receive your unique ID and password and the settings for chat.

For setting the required settings for the chat service, see **"Chat and my presence settings"** on page 56.

You can use the other functions of the phone, while you have an active chat session in the background. Depending on the network, the active chat session may consume the phone's battery faster and you may need to connect the phone to a charger.

Chat uses shared memory, see **"Shared memory"** on page xi.

### Basic steps for chat

- To enter the chat menu (offline), see **"Entering the chat menu"** on page 34.
- To connect to the chat service (online), see **"Connecting to and disconnecting from the chat service"** on page 34.
- To start a chat session with a contact, see **Chat contacts** in **"Starting a chat session"** on page 35.

To create your own chat contact lists, see **"Contacts for the chat"** on page 37.

- To join a public chat session, see *Groups* in "Starting a chat session" on page 35.

To join a group chat session via invitation message, see "Accepting or rejecting a chat invitation" on page 36.

To create your own chat groups, or to join or delete a public group, see "Groups" on page 39.

- To edit your own information, see "Editing your own information" on page 37.
- To search users and groups, see *Search* in "Starting a chat session" on page 35.
- To read a message for a new chat session, see "Reading a chat message" on page 36.
- To write and send messages during an active chat session, see "Participating in a chat conversation" on page 37.
- To view, rename or delete saved conversations, select *Saved convers.* when you have entered the *Chat* menu.
- To block/unblock contacts, see "Blocking and unblocking messages" on page 38.
- To disconnect from the chat service, see "Connecting to and disconnecting from the chat service" on page 34.

## Entering the chat menu

To enter the *Chat* menu while still offline, press **Menu**, and select *Messages* and *Chat*. You can select

- *Login* to connect to the chat service.

To set the phone to automatically connect to the chat service when you enter the *Chat* menu, see "Connecting to and disconnecting from the chat service" on page 34.

- *Saved convers.* to view, erase or rename the chat conversations that you have saved during the chat session. You can select *Saved convers.* also when you have connected to the chat service.
- *Connect. settings* to edit the settings needed for chat messaging and presence connection. See "Chat and my presence settings" on page 56. You can also view *Connect. settings* when you have connected to the chat service.

## Connecting to and disconnecting from the chat service

To connect to the chat service, enter the *Chat* menu, (select the chat service you wish to use,) and select *Login*. When the phone has successfully connected, *Logged in* is displayed.





**Tip:** To set the phone to automatically connect to the chat service each time you enter the *Chat* menu, connect to the chat service, select *My settings*, *Automatic login* and *On Chat start-up*.



To disconnect from the chat service, select *Logout*.

## Starting a chat session

Enter the *Chat* menu and connect to the chat service. You can select

- *Conversations* to view the list of new and read chats or invitations to chats during the active chat session. Scroll to the message or invitation that you want and press *Open* to read the message.


 indicates new and  read chat messages.



 indicates new and  read group messages.


 indicates invitations.

The icons and texts on the display may vary depending on the chat service.

- *Chat contacts* includes the contacts that you have added from the phone's contacts memory. Scroll to the contact with whom you would like to chat and press *Chat*.

If you have received a new message from a contact, it is indicated by .

 indicates the online and  the offline contacts in the phone's contacts memory.

 indicates a blocked contact, see "[Blocking and unblocking messages](#)" on page 38.

The icons may vary depending on the chat service.

To add contacts to the list, see "[Contacts for the chat](#)" session on page 37.

- *Groups* and *Public groups*. The list of bookmarks to public groups provided by the network operator or service provider is displayed. To start a chat session with a group, scroll to a group and press *Join*. Enter your screen name that you want to use in the conversation. When you have successfully joined the group conversation, the phone shows *Joined group:* and the group name. To create a private group, see "[Groups](#)" on page 39.
- *Search* and select *Users* or *Groups* to search for other chat users or public groups on the network.
  - If you select *Users*, you can search for a user by phone number, screen name, e-mail address or name.

- If you select *Groups*, you can search for a group by a group member, group name, topic or ID.

To start the chat session when you have found the user or the group, scroll to the user or the group that you want, press **Options** and select *Chat* or *Join group*.

- To start a chat session from *Contacts*, see "Viewing the subscribed contacts" on page 52.

### Accepting or rejecting a chat invitation

In standby mode, when you have connected to the chat service and you receive an invitation, *New invitation received* is displayed. Press **Read** to read it.

If you receive more than one invitation, the number of messages followed by *... new invitations received* is displayed. Press **Read**, scroll to the invitation you want, and press **Open**.

- To join the private group conversation, press **Accept**. Enter the screen name that you want to use as a nickname. When you have successfully joined the group, the phone shows *Joined group*: and the group name.

- To reject or delete the invitation, press **Options** and select *Reject* or *Delete*.

### Reading a chat message

In standby mode, when you have connected to the chat service and you receive a message from a person who is not taking part in the conversation, *New instant message* is displayed. Press **Read** to read it.

- If you receive more than one message, the number of messages followed by *... new instant messages* is displayed. Press **Read**, scroll to the message, and press **Open**.

New messages received during an active chat session are held in the *Conversations* of the *Chat* menu. If the message is from a person whose contact information is missing from the contact list in *Chat contacts*, the sender's ID is shown. If the contact information can be found in the phone's memory for contacts and the phone recognises it, the sender's name is shown. To save a new contact in the phone's memory, press **Options** and select


- *Save contact* and enter the name of the person.
- *Add to contact* and select the contact to which you want to add the detail and press **Add**.




## Participating in a chat conversation

Join in or start a chat conversation and to participate the conversation, press **Write** or start writing.





**Tip:** If you receive a new message during a chat session from a person who is not taking a part in the current chat session, the indicator  is shown on the top of the display.

Write your message and press **Send** or  to send it. If you press **Options**, some of the following options are available.

- **View conversation** to view the ongoing chat conversation. To save the chat conversation, press **Save** and enter the name for the conversation.
- **Save contact**, see "Reading a chat message" on page 36.
- **Add to contact**, see "Reading a chat message" on page 36.
- **Group members** to view the members of the selected private group. The option is only shown if you have created the group.
- **Block contact** to block messages from a contact you are currently chatting with.
- **End conversation** to end the ongoing conversation.

- **Dictionary**, see "Setting predictive text input on or off" on page 15.

## Editing your own information

Enter the **Chat** menu and connect to the chat service. Select **My settings** to view or edit your own availability status or screen name. Select **Availability** and either **Available for all** or **Avail. for contacts** (or **Appear offline**) to allow all chat users, or only the contacts on your chat contact list see whether you are online or offline when you have connected to the chat service. The indicator  shows that you are online and  that your online status is not visible to others.

## Contacts for the chat

You can add contacts to the chat contacts list.

Connect to the chat service, select **Chat contacts**, press **Options** and select **Add contact**. Select

- **Enter ID manually** to key in the user ID.
- **Search from serv.** to search for other chat users, refer to Search and Users in "Starting a chat session" on page 35
- **From contacts** to add a contact from the phone's contact memory.

- *Copy from server* to copy a contact from your contact list in the service provider's server. The phone displays *Checking for contact lists*. Press *Open* to open the list of contacts. Mark to add a contact or unmark to remove. Press *Done* when all the marked contacts are added.

If you have no contacts added, the phone asks *Contact list empty. Copy contacts from server?* and you can select and add contacts from the network. When the contacts are added and when the phone displays an information note about that, press *OK*.

To start a chat, press *Chat*, or *Open* if there is a new message from the contact. Press *Options* and select

- *Contact info* to view the details of the selected contact. If you want to edit the details, see "*Editing or deleting details in contacts*" in the *Contacts* menu (menu 3) on page 49.
- *Edit name* to edit the contact's name.
- *Block contact* (or *Unblock contact*) to block (or unblock) the messages from the selected contact.

- *Add contact* to add a new contact from the phone's contact memory.
- *Remove contact* to remove a contact from the chat contact list.
- *Copy to server* to copy contacts from instant messaging contact list to the server.
- *Availability alerts* to select from whom on the instant messaging contact list you want to receive a presence alert.

## Blocking and unblocking messages

Connect to the chat service and select *Conversations* or *Chat contacts*. Highlight the contact in the contacts list from whom you want to block incoming messages. Press *Options*, select *Block contact* and press *OK*.

To unblock the messages, connect to the chat service and select *Blocked list*. Scroll to the contact from whom you want to unblock the messages and press *Unblock*.

You can also unblock the messages from the contact list, see "*Contacts for the chat*" on page 37.

## Groups

You can create your own private groups for a chat session, or use the public groups provided by the service provider. The private groups exist only during an active chat session. You can add to a private group only the contacts that are in your contact list and thus in the phone's contacts memory, see "[Saving names and phone numbers \(Add contact\)](#)" on page 47.

### Public groups



You can bookmark public groups that your service provider may maintain. Connect to the chat service, select **Groups** and **Public groups**. Scroll to a group that you want to chat with and press **Join**. If you are not in the group, key in your screen name as your nickname for the group. If you press **Options**, you can select **Delete group** to delete a group from your group list or **Search groups** to search a group by group member or by group name, topic or ID.

### Creating a private group

Connect to the chat service, select **Groups** and **Create group**. Key in the name for the group and the screen name for yourself that you want to use for the group. You can use another screen name in another group. The list of contacts is shown. Mark the names on the contacts list to add them to the private group list

or unmark to remove them from the list.

You need to send an invitation to the new members that you have added to the group. When the phone displays **Invitation:**, key in the text for the invitation.

You can only select online contacts, indicated by  from the phone's contacts memory. Offline contacts are indicated by . You cannot add contacts that are dimmed on the list.

The icons may vary depending on the instant messaging service.

## Voice messages


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

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


- **Listen to voice messages** to call your voice mailbox at the phone number that you have saved in the **Voice mailbox number** menu.

If you have two phone lines available (network service), each phone line may have its own voice mailbox number, see Call settings on page 64.

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

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



**Tip:** Pressing and holding  calls your voice mailbox, when the flip is closed. When the flip is open, press and hold the corresponding number key.

## Info messages

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

## Message settings

The message settings affect the sending, receiving and viewing of messages.

### Settings for text and e-mail messages via SMS

1. Press **Menu** and select *Messages*, *Message settings*, *Text messages* and *Sending profile*.
  2. If more than one message profile set is supported by your SIM card, select the set that you want to change.
- Select *Message centre number* to save the phone number of the message centre that is required for sending text messages. You will receive this number from your service provider.
  - Select *Messages sent via* to select the message type: *Text*, *E-mail*, *Paging* or *Fax*.
  - Select *Message validity* to select the length of time for which the network should attempt to deliver your message.
  - For message type *Text*, select *Default recipient number* to save a default number for sending messages for this message profile.  
For message type *E-mail*, select *E-mail server* to save the e-mail server number.
  - Select *Delivery reports* to ask the network to send delivery reports about your messages (network service).
  - Select *Use GPRS* and select *Yes* to set GPRS as the preferred SMS bearer. Likewise, set the GPRS connection setting to *Always online*, see "(E)GPRS" on page 62.
  - Select *Reply via same centre* to allow the recipient of your message to send you a reply via your message centre (network service).

- Select *Rename sending profile* to change the name of the selected message profile. The message profile sets are only displayed if your SIM card supports more than one set.

### Overwrite settings

When the text message memory is full, the phone cannot receive or send any new messages. However, you can set the phone to automatically replace old text messages in the *Inbox* and *Sent items* folders with new ones.

Press **Menu** and select *Messages*, *Message settings* and *Text messages*. Select either *Overwriting in inbox* or *Overwriting in sent items* and *Allowed*.

### Settings for multimedia messages

You may receive the multimedia connection settings as an over the air message from the network operator or service provider. For receiving the settings over the air, see "[Over the air settings service](#)" on page 9.

Keying in the settings manually

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

- *Save sent messages*. Select *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 ask the network to send delivery reports about your messages (network service).
- *Scale image down* to define the image size when you insert the image to the multimedia message.
- *Default slide timing* to set the timing for slides in multimedia messages.
- *Allow multimedia reception*. Select *No*, *Yes* or *In home network* to use the multimedia service. If you select *In home network*, you cannot receive multimedia messages outside your home network.
- *Incoming multimedia messages*. Select *Retrieve* to set the phone to automatically fetch newly received multimedia messages, or select *Reject* if you do not wish to receive multimedia messages.

- *Connection settings.* Define connection settings for retrieving multimedia messages. First select *Active multimedia settings*, and activate the set in which you want to save the settings. Select *Edit active multimedia settings* and edit the active settings.

Select each of the settings one by one and key in all the required settings. Contact your network operator or service provider for the settings.

- *Allow adverts.* You can receive or reject advertisements. The setting is not shown if *Allow multimedia reception* is set to *No*.

## Settings for e-mail

You may receive the e-mail settings as an over the air message from the network operator or service provider. For receiving the settings over the air, see "[Over the air settings service](#)" on page 9.

### Keying in the settings manually

Press **Menu** and select *Messages*, *Message settings*, and *E-mail messages*.

- First select *Active e-mail settings* and activate the set in which you want to save the settings. Select *Edit active e-mail settings* and edit the active settings.

Select each of the settings one by one and key in all the required settings. Contact your network operator or e-mail service provider for the settings.

- *Mailbox name.* Key in the name that you want to use for the mailbox. You can use any name.
- *E-mail address.* Key in your e-mail address.
- *My name.* Key in your name or nickname. Your name and e-mail address will be shown.
- *Outgoing (SMTP) server.* Key in the server address.
- *Incoming server type.* Select either *POP3* or *IMAP4* depending on the type of e-mail system that you are using. If both types are supported, select *IMAP4*. Changing the server type also changes the incoming port number.

- If you have selected *POP3* as a server type, then *Incoming (POP3) server*, *POP3 user name*, and *POP3 password* are shown. If you have selected *IMAP4* as a server type, then *Incoming (IMAP4) server*, *IMAP4 user name*, and *IMAP4 password* are shown. Key in the e-mail server address for incoming e-mail, then key in the user name and password to access the e-mail account. If you have not defined an *SMTP user name* or *SMTP password* the e-mail server uses the POP3/IMAP4 user name and password instead.
- *Other settings* and select:
  - *Include signature*. You can define a signature that is automatically added to the end of your e-mail, when you write your message.
  - *Use SMTP authorisation*. If your e-mail service provider requires authentication for sending e-mails, select **Yes**. In this case, you must also define your *SMTP user name* and *SMTP password*.
  - *SMTP user name*. Key in the user name for outgoing e-mail that you have obtained from your e-mail service provider.
  - *SMTP password*. Key in the password that you want to use for outgoing e-mail.
  - *Outgoing (SMTP) port*. Key in the number of the e-mail server port for outgoing e-mail. The most common default value is 25.  
If you have selected *POP3* as a server type, the following options are shown:
    - *Incoming (POP3) port*. Key in the port number that you have obtained from your e-mail service provider.
    - *Reply-to address*. Key in the e-mail address to which you want the replies to be sent.
    - *Secure login*. Select *Secure login on* if your connection requires an encrypted login, otherwise leave it to *Secure login off*. Contact your service provider if in doubt. Using encrypted login enables increased security for user names and passwords. It does not increase security for the connection itself.

- *Retrieve e-mails.* Key in the maximum number of e-mails that you want to retrieve at a time.
- *SMTP connection settings* to define the connection settings required for outgoing e-mail. See "Keying in the service settings manually" on page 87.
- *POP3 connection settings* to define the connection settings for incoming e-mail. See "Keying in the service settings manually" on page 87.

Select each of the settings one by one and key in all the required settings. Contact your operator for the settings.

If you have selected *IMAP4* as a server type, the following options are shown:

- *Incoming (IMAP4) port.* Key in the port number that you have obtained from your e-mail service provider.
- *Reply-to address.* Key in the e-mail address to which you want the replies to be sent.
- *Retrieve e-mails.* Key in the number of e-mails that you want to retrieve at a time.
- *Retrieval method.* Select *Latest* if you want to retrieve all new received e-mails or select *Latest unread* if you want to retrieve only e-mails that you have not read.
- *SMTP connection settings* to define the connection settings required for outgoing e-mail. See "Keying in the service settings manually" on page 87.
- *IMAP4 connection settings* to define the connection settings required for incoming mail. See "Keying in the service settings manually" on page 87.

Select each of the settings one by one and key in all the required settings. Contact your operator for the settings.



## Font size setting

To select the font size for reading and writing messages, press **Menu** and select *Messages*, *Message settings*, *Other settings*, and *Font size*.

## Service commands

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

## ■ Call register (Menu 2)



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

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

## Recent calls lists

Press **Menu** and select *Call register* and then select

- *Missed calls* to view up to 10 phone numbers from which somebody has tried to call you (network service). The number in front of the (name or) phone number indicates the number of call attempts from that caller.



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

- *Received calls* to view up to 10 phone numbers from which you have most recently accepted calls (network service).
- *Dialled numbers* to view up to 20 phone numbers that you have most recently called or attempted to call. See also "*Last number redialling*" on page 11.
- *Delete recent call lists* to delete the recent calls lists. Select whether you want to delete all the phone numbers in the recent calls lists, or only the numbers in the missed calls, received calls or dialled numbers lists. You cannot undo the operation.

## Timers and counters



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

Press **Menu**, select *Call register* and *Timers and counters*. Select

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

If you have two phone lines available (network service), each phone line has its own call duration timers. The timers of the selected line are displayed. See "*Call settings*" on page 64.

- *GPRS data counter*. Scroll to check the amount of data that were sent or received, sent and received data in total, and to clear the counters. The security code is required to clear the counters.
- *GPRS connection timer*. Scroll to check the duration of the last GPRS connection or the total GPRS connection time. You can also clear the timers. The security code is required to clear the timers.


## ■ Contacts (Menu 3)



You can save names and phone numbers (contacts) in both the phone's memory and in the SIM card's memory.

- You may save up to 500 names with numbers and text notes for each name in the phone's memory. You can also save an image for a certain number of names. The number of names that can be saved depends on both the length of the names, and on the number and length of the phone numbers and text items.

*Contacts* use shared memory, see "*Shared memory*" on page xi.

- The phone supports SIM cards that can save up to 250 names and phone numbers. Names and numbers that are saved in the SIM card's memory, are indicated by .

In dynamic contacts (Presence) you can publish your current availability status to people with compatible devices who have access to this service and who are requesting this information. You can view the availability status of the contacts that you have subscribed to in the *Subscribed names* menu and in the detailed view of a name in *Contacts*.

## Selecting settings for contacts

Press **Menu** and select *Contacts* and *Settings*. Select

- *Memory in use* to select the memory, either SIM card or phone, that you want to use for your contacts. To recall names and numbers from both memories for contacts, select *Phone and SIM*. In this case, the names and numbers will be saved in the phone's memory.
- *Contacts view* to select how the names, numbers and images in contacts are displayed.
- *Memory status* to view how much free memory is available for both memories for contacts.

## Saving names and phone numbers (Add contact)

Names and numbers will be saved in the memory in use, see "[Selecting settings for contacts](#)" above.


1. Press **Menu** and select *Contacts* and *Add contact*.
2. Key in the name and press **OK**. See "[Using traditional text input](#)" on page 16.
3. Key in the phone number, and press **OK**. To key in numbers, see "[Making a call](#)" on page 11.
4. When the name and number have been saved, press **Done**.



**Tip: Quick save:** In standby mode, key in the phone number and press **Save**. Key in the name, press **OK** and **Done**.

## Saving multiple numbers and text items per name

You can save different types of phone numbers and short text items for each name in the phone's internal memory for contacts.

The first number saved is automatically set as the default number and it is indicated by a frame around the number type indicator, for example . When you select a name from *Contacts*, for example to make a call, the default number is used unless you select another number.

1. Make sure that the memory in use is either *Phone* or *Phone and SIM*. See "[Selecting settings for contacts](#)" on page 47.
2. To access the list of names and phone numbers, move the joystick down in standby mode.
3. Scroll to the name saved in the phone's internal memory for the contacts to which you want to add a new number or text item, and press **Details**.
4. Press **Options** and select *Add number* or *Add detail*.
5. To add a number or detail, select one of the number types or text types, respectively.

- If you select the text type  
*User ID:*

Select *Search* to search for an ID by a mobile phone number or an e-mail address in the server of the operator or service provider if you have connected to the presence service. See "*My presence*" on page 50. If only one ID is found, it is automatically saved. Otherwise, to save the ID, press **Options**, and select *Save*.

To key in the ID, select *Enter ID manually*. Key in the ID and press **OK** to save it.

To change the number or text type, select *Change type* in the options list. Note that you cannot change the type of an ID when it is on the *Chat contacts* or in the *Subscribed names* list.

To set the selected number as the default number, select *Set as default*.

6. Key in the number or text item and press **OK** to save it.
7. Press **Back** and then **Exit** to return to standby mode.

## Adding an image to a name or number in contacts

You can add an image in supported format to a name or number saved in the phone's internal memory.

Move the joystick down in standby mode, scroll to the name (and number) and press **Details**. Press **Options** and select *Add image*. The phone opens the list of folders in the *Gallery*. Scroll to the desired image, press **Options** and select *Save to contacts*.

## Searching for a contact


1. Press **Menu** and select *Contacts* and *Search* or move the joystick down in standby mode.
2. You can key in the first characters of the name that you are searching for in the pop-up window.


Move the joystick up or down to scroll through the names in the list, and right or left to move the cursor in the pop-up window

3. Scroll to the contact that you want, and press **Details**. Scroll to view the details of the selected contact.

Depending on the *Contacts view* selection in "Selecting settings for contacts" on page 47, the subscribed contacts are shown differently. Either only the availability indicator or the availability indicator, personal logo and the status message are shown. Press **Details** to view all dynamic information.



**Tip:** To quickly view a specific name with the default number, when the flip is closed, press and hold  at the name while scrolling through *Contacts*.

To view the status message in full, press **Details** and press and hold  at the dynamic contact while scrolling through the contact names.

## Deleting contacts

Press **Menu**, select *Contacts* and *Delete* to delete a contact and all the details attached to it.

If the contact has an ID on the *Chat contacts* or in the *Subscribed names* list, the note *Presence information will be deleted* is shown before the contact is deleted.

- To delete names and numbers one by one, select *One by one* and scroll to the name (and number) that you want to delete. Press **Delete** and press **Yes**.

- To delete contacts all at once, select *Delete all* and then scroll to either of the memories, *Phone* or *SIM card* and press **Delete**. Press **Yes** and confirm with the security code.

## Editing or deleting details in contacts

Move the joystick down in standby mode, scroll to the contact that you want to edit or delete and press **Details**. Scroll to the name, number, text item or image that you want to edit or delete.

- Press either **Edit** or **Change**, or press **Options** and select *Edit name*, *Edit number*, *Edit detail* or *Change image* depending on the *Contacts view* selection in "Selecting settings for contacts" on page 47.

Note that you cannot edit or delete an ID when it is on the *Chat contacts* or in the *Subscribed names* list.

- To delete a number or text item, select *Delete number* or *Delete detail*.
- To delete an image that is attached to the contact, select *Delete image*. Deleting an image from *Contacts* does not delete it from the *Gallery*.




## My presence

My presence (network service) provides you with enhanced communication services that you can share, for example, with your family, friends and colleagues using compatible devices. You can share your current presence status with those who have access to the service and request it. The requested information is shown in *Subscribed names* in the viewer's *Contacts* menu. You can control and personalise the information that you want to share with others, and control the list of persons who can view your presence status.

For the availability of the presence service, contact your network operator or service provider. You need to access the presence service before you can share your presence status with others. Other viewers need access to the presence service and a compatible phone to share your presence status.

Press **Menu** and select *Contacts* and *My presence*. Select

- *Connect to 'My presence' service* (or *Disconnect*) to connect to or disconnect from the service.
- *My current presence* to change your presence status. Select
  - *View current presence* and select *Private pres.* or *Public pres.* to view your current private or public status.

- *My availability* to set your availability status to *Available* indicated by , or to *Busy* indicated by , or to *Not available* indicated by .
- *My presence message* and key in the text to be shown to others or press **Options** and select *Previous msgs.* and select an old message as the status message.
- *My presence logo* to select the default logo of the availability status or personalise one from the *Graphics* folder in the gallery.
- *Show to* to select the groups with whom you want to share your presence status. Select *Private and public*, *Private viewers* or *No one*.
- *Viewers* and select
  - *Current viewers* to view all the persons who have subscribed to your presence information.
  - *Private list* to view the list of the persons who are allowed to view your personalised presence information.
  - *Blocked list* to view all the persons you have blocked from viewing your presence information.

- **Settings** and select
  - **Show current presence in idle** to show the current status indicator in standby mode.
  - **Synchronise with profiles** to select whether you want to link **My presence message** and **My availability** manually or automatically to the currently active profile. Note that you cannot link a personalised status logo to a Profile. See also "**Profiles**" on page 55.
  - **Connection type** to set the phone to automatically connect to the service when the phone is switched on.
  - **Connect. settings** see "**Chat and my presence settings**" on page 56.

## Subscribed contacts

You can create a list for contacts whose presence status you want to be aware of (network service). You can view the information if the contacts allow you to view it and if it is not prevented by the network. You can view the subscribed contacts either by scrolling through the contacts or via the **Subscribed names** menu.

Make sure that the memory in use is either **Phone** or **Phone and SIM**. See "**Selecting settings for contacts**" on page 47.

To connect to the Presence service, press **Menu** and select **Contacts**, **My presence** and **Connect to 'My presence' service**. You can also view the subscribed contacts when you are not connected to the presence service but you cannot see the presence status of the contact.

## Adding contacts to the subscribed contacts

1. Press **Menu** and select **Contacts** and **Subscribed names**. If you have not connected to the Presence service, the phone asks if you want to connect now.
2. If you have no contacts on your list, press **Add**. Otherwise, press **Options** and select **Subscribe new**. The list of contacts is shown.
3. Select a contact from the list and if the contact has an ID saved, the contact is added to the subscribed contacts list. If there is more than one ID, select one of them. After subscription to the contact, **Subscription activated** is shown.



**Tip:** To subscribe to a contact from the *Contacts* list, move the joystick down in standby mode and scroll to the contact that you want to subscribe to. Press **Details** and press **Options**. To subscribe, select *Request presence* and select *As subscription*.




If you only want to view the presence information without subscribing to a contact, select *Request presence* and *One time only*.


## Viewing the subscribed contacts

See also "[Searching for a contact](#)" on page 48 to view the presence information.

1. Press **Menu** and select *Contacts* and *Subscribed names*.

The status information of the first contact on the dynamic contacts list is shown and it may include text and some of the following icons:

,  or  indicate that the person is either available, busy or not available.

 indicates that the person's presence information is not available.

2. Scroll to the desired contact and press **Details** to view the details of the selected contact. If you press **Options**, you can select
  - *Subscribe new* to add a new contact to the list of subscribed contacts.
  - *Chat* to start a chat conversation.
  - *Send message* to send a text message to the selected contact.
  - *Send SMS e-mail* to send an e-mail to the selected contact.
  - *Send bus. card* to send a business card of the selected contact.
  - *Unsubscribe* to remove the selected contact from the list of subscribed contacts.

## Unsubscribing a contact

- To unsubscribe a contact from the *Contacts* list, move the joystick down in standby mode and scroll to the contact that you want to unsubscribe. Press **Details** and select the ID and press **Options**. To unsubscribe, select *Unsubscribe* and press **OK** to confirm.
- To unsubscribe via the *Subscribed names* menu, see "[Viewing the subscribed contacts](#)" on page 52.



## Copying contacts

You can copy names and phone numbers from the phone's memory to your SIM card's memory and vice versa. Note that any text items saved in the phone's internal memory, such as e-mail addresses, will not be copied to the SIM card.

1. Press **Menu** and select *Contacts* and *Copy*.
2. Select the copying direction, *From phone to SIM card* or *From SIM card to phone*.
3. Select *One by one*, *All* or *Default numbers*.  
*Default numbers* is shown if you copy from the phone to the SIM card. Only the default numbers will be copied.
4. To choose whether you want to keep or delete the original names and numbers, select *Keep original* or *Move original*.

## Sending and receiving a business card

You can send and receive a person's contact information from a compatible device as a business card.

When you have received a business card, press **Show** and **Save** to save the business card in the phone's memory. To discard the business card, press **Exit** and then **Yes**.

To send a business card, search for the name and phone number you want to send from *Contacts*, press *Details* and *Options* and select *Send bus. card*. Select *Via infrared*, *Via text message* (network service), *Via multimedia* (network service) or *Via Bluetooth*.

## Speed dials

To assign a number to a speed dialling key, press **Menu** and select *Contacts*, *Speed dials* and scroll to the desired speed dialling key number.

Press **Assign**, or if a number has already been assigned to the key, press **Options** and select *Change*. Press **Search**, and select first the name and then the number you want to assign. If the *Speed dialling* function is off, the phone asks whether you want to activate it.

To make a call using the speed dialling keys, see "*Speed dialling a phone number*" on page 11.

## Voice dialling

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


Before using voice dialling, note that:

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



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

### Adding and managing voice tags

- Save or copy in the phone's memory the contacts, to which you want to add a voice tag. You can also add voice tags to the names in the SIM card, but if you replace your SIM card with a new one, you first need to delete the old voice tags before you can add new ones. Voice tags use shared memory, see "[Shared memory](#)" on page [xi](#).
1. In standby mode, press **Menu**, and select **Contacts**. Select **Search** and scroll to the desired contact and press **Details**.
  2. Press **Options** and select **Add voice tag**.
  3. Press **Start**, and say clearly the word(s) you want to record as a voice tag. After recording, the phone plays the recorded tag.
  4. When the voice tag has been successfully saved, **Voice tag saved** is displayed, a beep sounds and a symbol  appears after the phone number with a voice tag.

To check the voice tags, press **Menu** and select **Contacts** and **Voice tags**. Scroll to the contact, press **Options** and select the function you want.

### Making a call by using a voice tag


If the phone has an application using the GPRS connection that is sending or receiving data, first end the application in order to make a call using voice dialling.

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

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

## Info numbers and service numbers

Your service provider may have included information numbers or service numbers on your SIM card.

Press **Menu** and select *Contacts* and *Info numbers* or *Service numbers*. Scroll through a category to an information number, or to a service number and press  to call the number.

## My numbers

The phone numbers assigned to your SIM card are saved in *My numbers* if this is allowed by the card. To view the numbers press **Menu** and select *Contacts* and *My numbers*. Scroll to the desired name or number, and press **View**.

## Caller groups

You can arrange the names and phone numbers saved in *Contacts* into caller groups. For each caller group, you can select a ringing tone and a logo that is shown on the display when you receive a call from a phone number in the group. To set the phone to ring only upon calls from an identified phone number that belongs to a selected caller

group, see *Alert for* in "Tone settings" on page 57.

Press **Menu** and select *Contacts*, *Caller groups* and select the desired caller group. You can select from the following functions *Group name*, *Group ringing tone*, *Group logo*, *Group members*.

If you select *Group members* press **Add**, to add a name to the group. Scroll to the name that you want and press **Add**.

- To remove a name from a caller group, scroll to the desired name, press **Options** and select *Remove contact*.

## Settings (Menu 4)



### Profiles

Your phone has a group of profiles that allow you to personalise the tone settings of your phone and to activate a profile for different events and environments. Available profiles are *General*, *Silent*, *Meeting*, *Outdoor*, *My style 1* and *My style 2*.

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

- To activate the selected profile, select *Activate*.


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

The settings can also be changed in the *Tone settings* menu, see "*Tone settings*" on page 57.

To rename a profile, select *Profile name*. The *General* profile cannot be renamed.

- To change your presence status, select *My presence*. The menu is available if you have set *Synchronise with profiles* to *On*, see "*My presence*" on page 50. Select *My availability* to change your availability status and *My presence message* to edit your status message.



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

## Chat and my presence settings

For the settings required for chat, contact your network operator or service provider. For receiving the chat and presence settings over the air, see "*Over the air settings service*" on page 9.

### Keying in the settings manually

1. Press **Menu**, and select *Settings*, *Chat and my presence settings* and *Active chat and presence settings*.
2. Scroll to the set you would like to activate and press **Activate**.

You need to activate the connection set where you want to save the settings. A connection set is a collection of settings required to make a connection to the chat and presence services.

3. Select *Edit active chat and presence sett..*

Select each of the settings one by one and key in all the required information that you have received from your network operator or service provider. Note that the connection settings are in the *Connection settings* menu.

## Tone settings

You will find the same settings in the *Profiles* menu, see "*Profiles*" on page 55. Note that the settings you make, will change the settings in the active profile.

Press **Menu** and select *Settings* and *Tone settings*. Select

- *Incoming call alert* and select how the phone notifies you of an incoming voice call.
- *Ringing tone* to select a tone for incoming voice calls. To select ringing tones that have been saved in the *Gallery*, select *Open gallery* from the ringing tone list.
- *Ringing volume* to set the tone level for incoming voice calls and incoming messages.



**Tip:** If you download a ringing tone or receive one via OTA, you can save it in the *Gallery*.

- *Vibrating alert* to set the phone to vibrate for incoming voice calls and incoming messages. The vibrating alert does not work when the phone is connected to a charger, a desktop stand, or a car kit.
- *Message alert tone* to set the alert tone for incoming messages.

- *Chat alert tone* to set the alert tone for incoming instant messages.
- *Keypad tones* to adjust the tone level of the keypad.
- *Warning tones* to set the phone to sound tones, for example when the battery is running out of power.
- *Alert for* to set the phone to ring only on calls from phone numbers that belong to a selected caller group. Scroll to the caller group that you want or *All calls* and press **Mark**.

## Display settings

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

- *Wallpaper* to set the phone to display a background image, known as wallpaper, when the phone is in standby mode. Some images are pre-saved in the *Gallery* menu. You can also receive images, for example via multimedia messages, or use PC Suite to transfer them from the compatible PC and then save them in the *Gallery*. Your phone supports JPEG, GIF, WBMP, BMP, OTA-BMP and PNG formats, but not necessarily all variations of these formats.

- Select *Select wallpaper* and open an image folder. Scroll to the desired image you want to set as wallpaper, press **Options** and select *Set as wallpaper*.

- To activate/deactivate the wallpaper, select *On* or *Off*.

Note that the wallpaper is not displayed when the phone activates the screen saver.

- *Colour schemes* to change the colour of some display components, for example indicators and signal bars.
- *Menu view* to select how the main menu items are displayed on the phone. Select *List* or *Grid*.
- *Operator logo* to set the phone to show or hide the operator logo. If you have not saved any operator logos, the *Operator logo* menu is dimmed.

The operator logo is not displayed when the phone activates the screen saver.

- *Screen saver time-out* and select the timeout after which the screen saver will be activated. The length of the timeout can vary from 5 seconds to 60 minutes.

The digital clock screen saver is used for power saving. It is activated when no function of the phone has been used for a

certain length of time. Press any key to deactivate the screen saver. The screen saver is also deactivated when the phone is out of the network coverage area. The screen saver overrides graphics and texts on the display in standby mode.

- *Display contrast* to change the brightness level of the phone display. Move the joystick to the left to decrease and to the right to increase the brightness level, and press **OK** to accept it.

## Time and date settings

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

- *Clock* and select *Show clock* (or *Hide clock*) to show (or hide) the time on the top right of the display in standby mode. Select *Set the time* to adjust the clock to the correct time, and *Time format* to select the 12-hour or 24-hour time format.

The clock is also used for the functions *Messages*, *Call register*, *Alarm clock*, timed *Profiles*, *Calendar*, *Notes*, and screen saver, for example.

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

- *Date* and select *Show date* (or *Hide date*) to show (or hide) the date on the display in standby mode. Select *Set the date* to adjust the date. You can also select the date format.
- *Auto-update of date & time* (network service) to set the phone to automatically update the time and date according to the current time zone, select *On*. To set the phone to ask for confirmation before the update, select *Confirm first*.  
The automatic update of date and time does not change the time you have set for the alarm clock, calendar or the alarm notes. They are in local time. Updating may cause some alarms that you have set to expire.


## Personal shortcuts

You can select the function for the right selection key displayed in standby mode.

You also have a list of phone functions that can be activated by saying a voice tag.

Press **Menu**, and select *Settings* and *Personal shortcuts*. Select

- *Right selection key* to view the list of available functions for the right selection key. Scroll to the function that you want and select it.

- *Voice commands* and select the voice command folder that you want, scroll to the function to which you want to add a voice tag and press **Add**. If the command already has a voice tag, the indicator  is shown. For adding and activating a voice command, see "Voice dialling" on page 53.

During a call or when an application using the (E)GPRS connection is sending or receiving data, you cannot activate or add a voice command.

## Connectivity

You can connect the phone to a compatible device via infrared or Bluetooth connection. You can also define the settings for (E)GPRS dial-up connections. Note that the Bluetooth and infrared connections cannot be active at the same time.

### Bluetooth wireless technology

The phone supports Bluetooth wireless technology which allows you to connect the phone to a compatible Bluetooth device within 10 metres. The Bluetooth connection can be subject to interference from obstructions such as walls or other electronic devices.

This phone is compliant with Bluetooth Specification 1.1 which supports the following Bluetooth profiles: Serial Port Profile, Dial-up Networking Profile, Object Push Profile, File Transfer Profile (server), Headset Profile. Handsfree Profile is supported by Specification 1.0 and SIM Access Profile by version 0.95.


To ensure interoperability between Bluetooth devices, use Nokia-approved accessories for this model. Check with the manufacturers of other Bluetooth devices to determine their compatibility with this phone. In some countries, there may be restrictions on using Bluetooth devices. Check with your local authorities.

The SIM Access Profile profile allows you to connect to compatible devices, such as the Nokia car enhancement RAN 610. When the SIM Access Profile profile is active, the phone is disconnected from the GSM network, and thus, all phone functions are deactivated.



**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. Press **Menu**, and select *Settings*, *Connectivity* and *Bluetooth*.
2. To activate the Bluetooth function, select *Bluetooth* and *On*. The active Bluetooth connection is indicated by  at the top of the display.  
If you do not use the Bluetooth feature for some time, you can deactivate it to save power.
3. Select *Search for audio enhancements* to search for compatible Bluetooth devices and select the device that you want to connect to the phone.
4. Enter the Bluetooth passcode of the device to associate ('pair') and connect the device to your phone and start using the device. You only need to give this passcode when you connect to the device for the first time.

The passcode can only include numbers.

Note that the phone's Bluetooth feature does not allow connections to associates that support only the Unit Key method.



## Bluetooth connection

Press **Menu**, and select *Settings*, *Connectivity* and *Bluetooth*. Select

- *Active device* to check which Bluetooth connection is currently active. If you want to close the connection to the selected device, press **Disconnect**.
- *Paired devices* to view a list of Bluetooth devices that are currently paired with the phone. Scroll to the desired device. If you want to delete the pairing to the device, press **Delete**.

Press **Options** to access some of 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 (only visible to you) to the selected device
- *Request conn. authorisation* and select **No** if you want the phone to automatically connect to the selected device, or select **Yes** if you want the phone to ask for your permission first.

## Bluetooth settings

Press **Menu**, and select *Settings*, *Connectivity*, *Bluetooth* and *Bluetooth settings* to define how your phone is shown to other Bluetooth devices. Select

- *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 send or receive data such as business cards and calendar notes to or from a compatible phone or data device (for example a computer).



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 IR

- Ensure that the IR ports of the sending and receiving devices 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 should be one metre at most.
- To activate the IR port of your phone to receive data via IR, press **Menu** and select *Settings*, *Connectivity* and *Infrared*.
- The user of the sending phone selects the desired IR function to start data transfer.

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

### IR connection indicator

- When  is shown continuously, the IR connection has been activated and your phone is ready to send or receive data via its IR port.
- When  blinks, your phone is trying to connect to the other device or a connection has been lost.

Note that the IR connection deactivates automatically.

## (E)GPRS

GPRS (General Packet Radio Service) is a network service that allows mobile phones to be used for sending and receiving data over an Internet Protocol (IP)-based network.

EGPRS (Enhanced GPRS), also known as EDGE (Enhanced Data Rates for Global Evolution) is similar to GPRS but it enables faster connection. For more information on availability of (E)GPRS and data transfer speed, contact your network operator or service provider.

The applications that may use (E)GPRS are multimedia, chat and text messaging, browsing sessions, e-mail, remote synchronisation, Java application downloading and the PC dial-up (for example, Internet and e-mail).

Before you can use (E)GPRS technology:

- Contact your network operator or service provider for availability and subscription to the (E)GPRS service.
- Save the (E)GPRS settings for each of the applications used over (E)GPRS.

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

Note that when you have selected GPRS as a data bearer, the phone uses EGPRS instead of GPRS if this is available in the network. You cannot select between EGPRS and GPRS but for some applications you may be able to select either GPRS or *GSM data* (CSD, Circuit Switched Data).

### (E)GPRS connection

Press **Menu** and select *Settings, Connectivity, GPRS* and *GPRS connection*.

- Select *Always online* to set the phone to automatically register to an (E)GPRS network when you switch the phone on. When the GPRS connection is established, the indicator **G** is shown on the top left of the display

When you start an application using (E)GPRS, the connection between the phone and the network is established, and data transfer is possible. When you end the application, the (E)GPRS connection is ended but the registration with the (E)GPRS network remains.

If you receive a call or a text message, or make a call during a GPRS connection, the indicator **G** will be shown on the top right of the display to indicate that the (E) GPRS connection has been suspended (on hold).

The GPRS and EGPRS connection are indicated by the same indicators.

- If you select *When needed*, the (E)GPRS registration and connection are established when required by an application using GPRS and closed when you end the application.

Note that your phone supports three simultaneous (E)GPRS connections. For example, depending on the network, you can at the same time browse xHTML pages, receive multimedia messages and have an ongoing PC dial-up connection.

### (E)GPRS modem settings

You can connect the phone to a compatible PC via an infrared, Bluetooth technology or a data cable connection and use the phone as a modem to enable (E)GPRS connectivity from the PC.

Press **Menu** and select *Settings, Connectivity, GPRS* and *GPRS modem settings*. Select *Active access point* to activate the desired access point. Select *Edit active access point* to change the access point settings.

- Scroll to *Alias for access point* and press **Select**. Key in the name that you would like for the activated access point and press **OK**.

- Scroll to *GPRS access point* and press **Select**. Key in the Access Point Name (APN) to establish a connection to an (E)GPRS network. Contact your network operator for the APN.

You can also set the (E) GPRS dial-up service settings (Access Point Name) on your PC using the Nokia Modem Options software, see "*PC Suite*" on page 95. If you have set the settings on both your PC and on your phone, note that the PC's settings will be used.

## More settings

### Call settings









Press **Menu** and select *Settings*, *More settings* and *Call settings*. Select

- *Call divert* (network service) to direct your incoming calls, for example to your voice mailbox number. Divert options that are not supported by your SIM card or your network operator may not be shown. Contact your service provider for details.

For example, select *Divert if busy* to divert your voice calls when your number is busy or when you reject an incoming call.

To set the divert setting to on, select *Activate* and then select the timeout after which the call is diverted, if this is available for the call divert option. To set the call divert to off, select *Cancel*. To check whether the call divert is activated or not, select *Check status* if this is available for the divert option. Several divert options may be active at the same time.

To see the divert indicators in standby mode, see "*Essential indicators in standby mode*" on page 7.

- *Anykey answer* and select *On* and you can answer an incoming call by briefly pressing any key, except , selection keys  and  when the flip is closed () and  when the flip is open), and .
- *Automatic redial* and select *On* and your phone will make a maximum of ten attempts to connect a call after an unsuccessful call attempt.
- *Speed dialling* and select *On* and the names and phone numbers that are assigned to the speed dialling keys, from  to  with the flip closed, or the corresponding number keys of the keyboard, can be dialled by pressing and holding the corresponding number key.

- *Call waiting* and select *Activate* and the network will notify you of an incoming call while you have a call in progress (network service). See "*Call waiting*" on page 12.
- *Summary after call* and select *On* and after each call the phone will briefly display the approximate duration of the call.
- *Send my caller ID* and select *Yes* and your phone number will be displayed to the person you are calling (network service). Select *Set by network* and the setting agreed upon with your service provider is used.
- *Line for outgoing calls* (network service) to select the phone line 1 or 2 for making calls, for example you can use line 1 for personal calls and line 2 for business calls. For more information on availability, contact your network operator or service provider.

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

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

## Phone settings

Press **Menu** and select *Settings*, *More settings*, *Phone settings*.




Select

- *Phone language* to set the language for the display texts. If *Automatic* is selected, the phone selects the language according to the information on the SIM card.
- *Memory status* to view the amount of free, used and total amount of memory for each function. You may also find memory information in the menus of some functions, for example in the *Applications* menu.
- Select *Automatic keyguard* to set the keypad of your phone to lock automatically after a pre-set time delay when the phone is in standby mode and no function of the phone has been used. Select *On* and you can set the time from 5 seconds to 60 minutes.

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

- *Security keyguard* to lock the keypad of the phone with a security code, see "*Security code (5 to 10 digits)*" on page ix.
- Enter the security code. To set the security keyguard, select *On*.

The keypad lock remains active, if you open the flip.

- To activate the security keyguard, press **Menu** and  within 1.5 seconds, when the flip is closed. To deactivate the keyguard when the flip is open, press **Unlock** and **OK**, then key in the security code. If the flip is closed, press **Unlock** and  within 1.5 seconds, then key in the security code. When the keypad is locked,  appears on top of the display. Note that if you have activated the security keyguard, it does not protect your phone data from PC Suite access.

If you receive a Bluetooth connection request from another device while the security keyguard is activated, you have to deactivate the keyguard before you can accept the connection.

- **Cell info display** and select **On** to set the phone to indicate when it is used in a cellular network that is based on Micro Cellular Network (MCN) technology (network service).
- **Welcome note** and key in the note that you would like to be shown briefly when the phone is switched on. To save the note, press **Save**.

- **Operator selection** and **Automatic** and the phone automatically selects one of the cellular networks available in your area.

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

- **Confirm SIM service actions**. See **"SIM services (Menu 10)"** on page 93.
- **Help text activation** to set the phone to show the help texts. See also **"Using the menu"** on page 18.
- **Start-up tone** to set the phone to play a start-up tone when it is switched on.

## Enhancement settings

The enhancement settings menu is only shown if the phone is or has been connected to some mobile enhancements, for example to chargers or handsfree units.

Press **Menu** and select *Settings*, *More settings*, and *Enhancement settings*. Then select an appropriate enhancement from a list, if the corresponding enhancement is or has been connected to the phone. Select

- *Default profile* to automatically activate the desired profile when you connect to the selected enhancement. You can select another profile while the enhancement is connected.
- *Automatic answer* to set the phone to automatically answer an incoming call after five seconds. If the *Incoming call alert* is set to *Beep once* or *Off*, automatic answer will not be used.
- *Lights* to set the lights permanently to *On*. Select *Automatic* to set the lights on for 15 seconds after a keypress. The *Lights* option is available only when *Handsfree* is selected.
- When the phone is connected to the full car kit, select *Ignition detector* and *On* to automatically switch off the phone approximately 20 seconds after you have switched off the car's ignition.

- For *Text phone*, select *Use text phone* and select *Yes* to use the text phone settings instead of headset or loopset settings.

## 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).

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

- *PIN code request* to set the phone to ask for your PIN code every time the phone is switched on. Some SIM cards do not allow the PIN code request to be turned off.
- *Call barring service* (network service) to restrict incoming calls to and outgoing calls from your phone. A barring password is required.
- *Fixed dialling* to restrict your outgoing calls and text messages to selected phone numbers if this function is supported by your SIM card. The PIN2 code is required.

When the fixed dialling is on, GPRS connections are not possible except while sending text messages over a GPRS connection. In this case, the recipient's phone number and the message centre number must be included in the fixed dialling list.

- **Closed user group.** Closed user group is a network service that specifies the group of people whom you can call and who can call you. For more information, contact your network operator or service provider.
- **Security level.** Select **Phone** and the phone will ask for the security code whenever a new SIM card is inserted into the phone.

Select **Memory** to set the phone to request the security code when the SIM card's memory is selected and you want to change the memory in use, see "[Selecting settings for contacts](#)" on page 47, or copy from one memory to another, see "[Copying contacts](#)" on page 53.

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

## Restore factory settings

To reset the menu settings to their original values, press **Menu** and select **Settings**, and **Restore factory settings**. Key in the security code and press **OK**. Note that the data you have keyed in or downloaded, for example the names and phone numbers saved in **Contacts**, are not deleted.

## ■ Gallery (Menu 5)



### 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.

In the **Gallery** menu you can manage images, photos, recordings, tones and video clips that you have, for example, received in multimedia messages, see "[Reading and replying to a multimedia message](#)" on page 28.

Your phone supports a usage rights system to protect acquired content. A piece of content, for example a ringing tone, can be protected and associated with certain usage rules, for example a number of usage times and a certain usage period. The rules are defined in the content's usage rights, which can be delivered either



together with the content or independently depending on the service provider. You may be able to update these rights. Always check the delivery terms of any content and usage rights before acquiring them, as they may be subject to a fee.

The gallery uses shared memory, see "[Shared memory](#)" on page [xi](#).

1. Press **Menu** and select **Gallery**. A list of folders is shown. *Images*, *Video clips*, *Graphics*, *Tones* and *Recordings* are the original folders on the phone.
2. Scroll to the desired folder and press **Open** to view a list of files in the folder or press **Options** and one of the following options may be available:

- *Delete folder*, *Move*, *Rename folder*, *Details*, *Type of view*, *Sort*, *Add folder*, *Activation key list* and *Gallery downloads*

You cannot delete, rename or move the original folders on the phone.

- *Type of view* to select how the folders are displayed.
- *Activation key list* to view the list of available usage rights.

- *Gallery downloads* to download more images and tones. Select *Graphic downloads* or *Tone downloads*. The list of available browser bookmarks is shown. Select *More bookmarks* to access the list of bookmarks in the *Services* menu, see "[Bookmarks](#)" on page [90](#).

Select the appropriate bookmark to connect to the desired site. If the connection fails, you may not be able to access the page from the service whose connection settings are currently active. In this case, enter the *Services* menu and activate another set of service settings, see "[Connecting to a service](#)" on page [87](#). Try again to connect to the site.

For availability of different services, pricing and tariffs, contact your network operator and/or the service provider. Download content only from the sources you trust.

3. If you opened a folder in step 2, select the file you want to view and press **Open**.

Or: Press **Options** and use one of the following functions that may be available for the selected file:

- *Delete, Send, Move, Rename, Set as wallpaper, Set as ring tone, Edit image, Details, Type of view, Sort, Delete all, View in sequence, Play, Mute audio (Unmute audio), Set contrast.*
- *Send* to send the selected file via MMS, Bluetooth or IR connection.
- *Delete all* to delete all the files in the selected folder.
- *Edit image* to insert text, a frame or clip-art into the selected picture.
- *View in sequence* to view the files in the folder one by one.
- *Play* to listen to or to view a sound or image file that is contained in the message.
- *Mute audio (Unmute audio)* to mute (unmute) the sound of a video file.
- *Set contrast* to adjust the contrast level of the image.

- *Activate content* to update the usage rights of the selected file. This option is only shown if the rights update is supported by the file.

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

## ■ Camera (Menu 6)



**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.

**Note:** Obey all local laws governing the taking of pictures. Do not use this feature illegally.

You can take photos and record video clips with the phone's built-in camera. The camera lens is on the back of the phone, and the display of the phone works as a viewfinder. The camera produces pictures in JPEG format and the video clips in H.263 (SubQCIF) format. You cannot use the camera, if the flip is open.

If there is not enough memory to take a new photo or record a video clip, you need to free some by deleting old photos or other files from the *Gallery*. Note that the camera uses shared memory, see "Shared memory" on page xi.

## Taking a photo

1. Press **Menu**, select *Camera* and select *Standard photo*, *Portrait photo* or *Night mode* if the lighting is dim for taking photos. If you want to add the photo to a name/phone number saved in *Contacts*, select *Portrait photo*.



**Tip:** To quickly open the viewfinder in standby mode with standard photo view, move the joystick up.

2. The image appears on the display, and you can use the display as a viewfinder.
3. To take a photo, press **Capture**. The phone saves the photo in the *Images* folder of the *Gallery* menu. The saved photo will be shown on the display.


Select **Back** to take another photo, or press **Options** and select, for example, an option to rename or zoom in on the photo, set it as wallpaper, send it as a multimedia message, or attach the photo to a name or phone number in *Contacts* or to access the gallery.

To open the viewfinder options, press **Options** and select, for example, an option to set the desired operation mode, activate the self-timer, or access the gallery.



**Tip:** You can activate the self-timer of the camera for one picture at a time. To open the viewfinder in standby mode, move the joystick up, select **Options** and *Self-timer*. Press **Start** and, after the timeout, the camera takes the photo and saves it in the *Gallery* menu. While the self-timer is running, a beeping sound is heard.

## Recording a video clip

Press **Menu**, and select *Camera*, *Video* and press **Record**. The red  indicator and the remaining recording time are shown at the top of the display.

- To stop the recording, press **Stop** and the video clip is saved in the *Video clips* folder of the *Gallery* menu.

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

Press **Options** to select, for example, an option to set the desired operation mode, mute or unmute the microphone, or to access the gallery.

## Camera settings

Press **Menu**, and select *Camera* and *Settings*. Select

- Image quality* to define how much the photo file will be compressed when saving the image. Select *High*, *Normal* or *Basic*. *High* provides the best image quality but takes up more memory.
- Video clip length* to select the length for video clips recorded with the camera. If you select *Default*, you may send the file as a multimedia message (network service). If you select *Maximum* you can record a video clip that is longer than one minute.
- Camera sounds* to set the shutter sound and the self-timer tone to *On* or *Off*.
- Default title* to define the title that will be used when saving a photo. If you select *Automatic*, the default title will be used, or if you select *My title*, you can key in or edit a new title.

## Organiser (Menu 7)



**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

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

Press **Menu** and select *Organiser* and *Alarm clock*.

- Select *Alarm time*, key in the alarm time and press **OK**.  
To change the alarm time, select *On*.
- Select *Alarm tone* and you can select a default alarm tone, personalise your alarm tone by selecting one from the ringing tone list or from the gallery.

### 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 alarm continue for a minute or if you 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 that you need to make, meetings, and birthdays.

The calendar uses shared memory, see "*Shared memory*" on page xi.

Press **Menu** and select *Organiser* and *Calendar*.



**Tip:** To quickly view the current *Calendar* month, move the joystick to the right in standby mode.



Scroll to the day that you want. The current day is indicated by a frame around the day. If there are any notes set for the day, the day is shown in bold type.




- To view a single note, scroll to the desired note, and press **View**. You can scroll through the note.
- To view the list of options, press **Options** and you can select from making a note, or sending a note via IR or the Bluetooth connection, or sending a note as a note, as a multimedia message or as a text message directly to a compatible phone's calendar.
- There are options for deleting, editing, moving and repeating (until a defined end date) a note and for copying a note to another day.
- *Settings* to set the date, time, date or time format, or the first day of the week. In the *Auto-delete* option you can set the phone to automatically delete old notes after a specified time. However, the repeated notes, for example birthday notes, will not be deleted.


## Making a calendar note

For keying in letters and numbers, see "Writing text" on page 14.



Press **Menu** and select *Organiser* and *Calendar* or move the joystick to the right in standby mode to go to the monthly view. Scroll to the date that you want, and press **View**. Press **Add note** if there are no notes for the day, or press **Options** and select *Make a note* and select one of the following:

-  *Meeting* - Key in the subject and press **Save** (or press **Options** and search for the name in *Contacts*). Key in the location of the meeting, and press **Save**. Key in the start time for the meeting and press **OK**, and then key in the end time and press **OK**. To set the alarm for the note, select *With tone* or *Silent* (no alarm tone) and then set the alarm time.
-  *Call* - Key in the phone number, and press **Save**. Key in the name, and press **Save**. (Instead of keying in the phone number, search for the name and number in *Contacts*). Key in the time for the call and press **OK**. To set the alarm for the note, select *With tone* or *Silent* (no alarm tone) and then set the alarm time.

-  *Birthday* - Key in the person's name (or press **Options** and search for it in *Contacts*) and press **Save**. Then key in the year of birth and press **OK**. To set the alarm for the note, select *With tone* or *Silent* (no alarm tone) and then set the alarm time.
-  *Memo* - Key in the subject and press **Save**. Key in the end day for the note and press **OK**. To set the alarm for the note, select *With tone* or *Silent* (no alarm tone) and set the alarm time.
-  *Reminder* - Key in the subject for the reminder, and press **Save**. To set the alarm for the note, select *Alarm on* and set the alarm time.

When you have set the alarm, the indicator  is displayed when you view the notes.

## When the phone sounds an alarm for a note

The phone beeps and displays the note. When a call note indicator  is shown on the display, you can call the displayed number by pressing . To stop the alarm and view the note, press **View**. Press **Snooze** and the phone returns to standby mode. To stop the alarm without viewing the note, press **Exit**.

## To-do list

In the to-do list, you can save notes for tasks that you have to do and manage the tasks in different ways.

The to-do list uses shared memory, see "[Shared memory](#)" on page [xi](#).

Press **Menu** and select *Organiser* and *To-do list*.

- To add a new note when the task list is empty, press **Add note**, or press **Options** and select *Add* if you have saved tasks. Press **Save** and select the priority for the note *High*, *Medium* or *Low*. The phone automatically sets the deadline without an alarm for the note. To change the deadline, view the note and select the option for the deadline.

For *Dictionary*, see "[Setting predictive text input on or off](#)" on page [15](#).

- In the task list, you can press **Options**, and select an option, for example to sort the tasks by priority or by deadline, send them to another phone, save them as a calendar note, or access the calendar.
- To view a task, scroll to the desired task on the list and press **View**. To edit the displayed task, press **Edit**.

## Notes

You can use *Notes* for writing and sending notes via IR, Bluetooth connection or as a text (SMS) or MMS message to another compatible phone. The notes use shared memory, see "[Shared memory](#)" on page [xi](#).

1. Press **Menu**, select *Organiser* and *Notes*, or type a character when the messaging keyboard is open.
2. To add a new note, press **Add note**, if the list of notes is empty, or press **Options** and select *Make a note*.

To view a note, scroll to the desired note on the list and press **View**. To edit the displayed note, press **Edit**.

3. Key in the note and press **Save**.

If you press **Options**, you can select *Insert time & date* to add the current time and date to the note. If there is not enough space for time and date, the phone will ask you to delete the appropriate number of characters from your note.

If the note is too long to be sent as a message, the phone will ask you to delete the appropriate number of characters from your note.

## Wallet

You can use the wallet to pay for your purchases via the browser. You can save your personal information, such as credit card numbers and addresses in the wallet, and then use the data that are saved in the wallet during browsing. You can also save access codes to mobile services that request a user name and password.

The data in the wallet is protected with a wallet code that you can define when you access the wallet for the first time. At *Create wallet code*: key in the code and press **OK** to confirm it and at *Verify wallet code*: key in the code again and press **OK**.

If you want to delete all the content of the wallet and the wallet code, key in \*#7370925538# (\*#res wallet# in letters) in standby mode. You also need the phone's security code, see "Access codes" on page ix.

## Accessing the wallet

Press **Menu** and select *Organiser* and *Wallet*. Key in your wallet code and press **OK**. Select

- *Wallet profiles* to create card combinations, for example, for different services. A wallet profile is helpful if the service asks you to fill in many data items during browsing. You can select the appropriate wallet profile instead of selecting different cards

separately, see "Creating a wallet profile" on page 77.

- *Cards* to save personal card information. You can save payment card, loyalty card and access card information, for example, username and password combinations, for different services and also addresses and user data. See "Saving card details" on page 76.
- *Tickets* to save the notifications of e-tickets that you have bought via mobile service. To view the tickets, scroll to the desired ticket and press **View**.
- *Receipts* to save receipts for mobile purchases.
- *Personal notes* to save all kinds of personal information that you want to protect by saving it in the wallet. See "Personal notes" on page 77.
- *Settings*, see "Wallet settings" on page 78.

## Saving card details

1. Press **Menu** and select *Organiser*, *Wallet* and *Cards*.
2. Scroll to one of the following card types to save the details and press **Select**.
  - *Payment card* for credit and debit cards.
  - *Loyalty card* for membership cards.



- *Access card* for personal usernames and passwords to online services.
  - *User info card* for customised personal preferences for online services.
  - *Address cards* for basic contact information for home/office.
3. If there are no cards in the folder, press **Add new** to create a new card.
- To view the saved details of the card, scroll to the desired card and press **View**.
4. Key in or accept the suggested card name, and fill in the fields for the details.

You can also receive card information to your phone over the air from a card issuer or service provider. You will be notified as to which category the card belongs to. Save or discard the received card. You can view, but not edit the saved card. For availability of receiving card information over the air, contact the card issuer or service provider.

### Personal notes

You can save personal notes, for example, account numbers, passwords, codes or notations.

Access the wallet and select *Personal notes*. To create a new personal note, press **Add new**.

To view a note, scroll to the desired note on the list and press **View**. To edit the displayed note, press **Edit**.

When viewing a note, you can select the following options *Send via text msg.*, *Copy to calendar*, *Use detail* or *Delete*.

### Creating a wallet profile

When you have saved your personal card details, you can combine them together to create a wallet profile. You can use the wallet profile to retrieve wallet data from different cards while browsing.

1. Access the wallet and select *Wallet profiles*.
2. To create a new wallet profile, press **Add new**.
3. Fill in the following fields and press **OK**. Some of the fields contain data that are selected from the wallet. You need to save the data before you can create a wallet profile.
  - *Select payment card next* - select a card from the payment card list.
  - *Select loyalty card next* - select a card from the loyalty card list.
  - *Select access card next* - select a card from the access card list.
  - *Select user info card next* - select a card from the user data card list.

- *Select billing address next* - select an address from the address card list.
- *Select shipping address next* - select an address from the address card list.
- *Select receipt delivery address next* - select an address from the address card list.
- *Select receipt delivery method next* - select the way in which the receipt will be delivered, *Receipt to phone number* or *Receipt to e-mail address*.
- *Wallet profile name*: enter a name for the profile.

## Wallet settings

Access the wallet and select *Settings*. Select

- *Change code* to change the wallet code.
- *Phone ID* to set the RFID code.

## Guidelines for paying for your purchases with the wallet

- To do your shopping, access the desired service site that supports the wallet. See "[Connecting to a service](#)" on page 87.

Choose the product that you want to buy and carefully read all the information provided before your purchase.



**Note:** The text may not fit within a single screen. Therefore, make sure to scroll through and read all of the text before your purchase.

- To pay for the items, the phone asks whether you want to use the wallet or not. The phone also asks for your wallet PIN code.
- Select the card you want to pay with from the *Payment card* list. Provided that the data form you receive from the service provider supports the Electronic Commerce Modelling Language specification, the phone automatically fills in the credit card information or the wallet profile from the wallet.
- Approve the purchase, and the information is forwarded.
- You may receive an acknowledgement or a digital receipt for the purchase.
- To close the wallet, select *Close wallet*. If you do not use the wallet for 5 minutes, it will be automatically closed.



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

To empty the cache, see "[Cache memory](#)" on page 91.

## Synchronisation

Synchronisation allows you to save your calendar, contacts data and Notes on a remote Internet server (network service) or on a compatible PC. If you have saved data on the remote Internet server, you can synchronise your phone by starting the synchronisation from the phone. You can also synchronise the data in your phone's contacts, calendar and Notes to correspond to the data on your compatible PC by starting the synchronisation from the PC. The contact data in your SIM card will not be synchronised.

Note that answering an incoming call during synchronisation will end the synchronisation process and you will need to restart it.

### Synchronising from your phone

Before synchronising from your phone, you may need to do the following:

- Subscribe to a synchronisation service. For more information on availability and the synchronisation service settings, contact your network operator or service provider.

- Retrieve the synchronisation settings from your network operator or service provider, see "[Settings for the synchronisation](#)" on page 80.
- Set the connection settings you need for synchronisation. See "[Setting up the phone for a service](#)" on page 86.

To start the synchronisation from your phone:

1. Activate the connection settings that you need for synchronisation. See "[Setting up the phone for a service](#)" on page 86.
2. Press **Menu** and select *Organiser, Synchronisation, Settings* and *Active Internet sync. settings*. Scroll to the set you wish to activate and press **Activate**. Mark the data that are going to be synchronised. See *Data to be synchronised* in "[Settings for the synchronisation](#)" on page 80.
3. Press **Menu** and select *Organiser, Synchronisation* and *Synchronise*.

The marked data in the active set will be synchronised after confirmation.

Note that synchronising for the first time or after an interrupted synchronisation may take up to 30 minutes to complete, if the contacts or calendar are full.

## Settings for the synchronisation

You may receive the synchronisation settings as an over the air message from the network operator or service provider. To receive the settings over the air, see "[Over the air settings service](#)" on page 9.

### Keying in the settings manually

1. Press **Menu**, select *Organiser*, *Synchronisation* and *Settings*.
2. Select *Active Internet sync. settings*. Scroll to the set you wish to activate and press **Activate**.

You need to activate the set where you want to save the synchronisation settings. A set is a collection of settings required to make a connection to a service.

3. Select *Edit active Internet sync. settings*. Select each setting one by one and key in all the required settings.

- *Settings' name*. Key in the name for the set and press **OK**.
- *Data to be synchronised*. Mark the data you want to synchronise, *Contacts*, *Calendar*, and/or *Notes* and press **Done**.
- *Database addresses*. Select *Contacts database*, *Calendar*

*database* and/or *Notes database*.

- *User name*. Key in the user name and press **OK**.
- *Password*. Key in the password and press **OK**. Verify the password and press **OK**.
- *Synchronisation server*. Key in the name of the server and press **OK**.
- *Connection settings* to define connection settings required for synchronisation. See "[Keying in the service settings manually](#)" on page 87.

Select each of the settings one by one and key in all the required settings. Contact your network operator or service provider for the settings.

Select *PC sync. settings* to key in the settings for server-alerted synchronisation. Select and key in the *User name* and *Password*.

## Synchronising from a compatible PC

To synchronise the contacts, the calendar and the Notes from a compatible PC, use an IR or Bluetooth connection, or a data cable. You also need the PC Suite software of your phone installed on the PC. Start the synchronisation from the PC using PC suite.

## ■ Applications (Menu 8)



**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.

### Games

The games use shared memory, see "[Shared memory](#)" on page [xi](#).

Press **Menu** and select *Applications*. A list of folders is shown. Select *Games* and select

- *Select game* and scroll to a game or a game set (the name depends on the game) and press **Open** to launch a game. For functions that you can access by pressing **Options** in the game list, see "[Other options available for an application or application set](#)" on page [82](#).
- *Game downloads* to download a game to the phone. See "[Downloading a game or an application](#)" on page [82](#).
- *Memory* to view the amount of memory that is available for game and application installations.
- *Settings* to set sounds, lights and shakes for the game.

Note that running some games may consume the phone's battery faster (and you may need to connect the phone to the charger).

### Collections

The collections menu uses shared memory, see "[Shared memory](#)" on page [xi](#).

Press **Menu** and select *Applications*. A list of folders is shown. Select *Collection* and select

- *Select application* and scroll to an application or application set (the name depends on the application) and press **Open** to launch an application. For functions that you can access by pressing **Options** in the applications list, see "[Other options available for an application or application set](#)" on page [82](#).
- *App. downloads* to download an application to the phone. See "[Downloading a game or an application](#)" on page [82](#).
- *Memory* to view the amount of memory that is available for game and application installations.

Note that running some applications may consume the phone's battery faster (and you may need to connect the phone to the charger).

## Other options available for an application or application set

- *Delete* to delete the application or application set from your phone.

Note that if you delete a pre-installed application or an application set from your phone, you may download it again to your phone from [www.nokia.com](http://www.nokia.com).

- *Details* to give additional information about the application.
- *Update version* to check if a new version of the application is available for download from the services (network service).
- *Web page* to provide further information or additional data for the application from an Internet page. This is a network service and the menu is shown only if an Internet address has been provided with the application.
- *Web access* to restrict the application from accessing the network. Select *Ask first* and the phone will ask you for net access, *Allowed* to allow the net access, or *Not allowed* not to allow the net access.

- *Connect via* to activate the network connection settings that you want to use for the application. You can select *Default* or *Internet*.

## Downloading a game or an application

Your phone supports J2ME™ Java games and applications. Make sure that the application or a game is compatible with your phone before downloading it. The maximum size of the download is 64 kBytes. You can download new Java applications in different ways (network service):

- Press **Menu**, select *Applications*, *Collection* and *App. downloads* or press **Menu** and select *Applications*, *Games* and *Game downloads*.

The list of available browser bookmarks is shown. Select *More bookmarks* to access the list of bookmarks in the *Services* menu, see "[Bookmarks](#)" on page 90.

Select the appropriate bookmark to connect to the desired site. If the connection fails, you may not be able to access the page from the service whose connection settings are currently active. In this case, enter the *Services* menu and activate another set of service settings, see "[Connecting to a service](#)" on page 87. Retry to connect to the site.

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

- Press **Menu**, select *Services* and *Download links* to download an appropriate application or game, see "[Browsing the pages of a service](#)" on page 88.
- Use the Nokia Application installer from PC Suite to download the applications to your phone.



**Note:** Nokia does not warrant for applications from non-Nokia sites. If you choose to download Java applications 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 *Collection* menu.

## Extras

### Voice recorder

You can record pieces of speech, such as a name and phone number to write them down later.



**Note:** Obey all local laws governing recording of calls. Do not use this feature illegally.

## Recording

1. Press **Menu**, select *Applications*, *Extras* and *Voice recorder*.
2. To start the recording, select *Record*. To start the recording during a call, press **Options**, and select *Record*. While recording a call, all parties to the call will hear a faint beeping sound.

When recording, hold the phone in the normal position near to your ear.

3. To end the recording, press **Stop**. The recording will be saved in the *Recordings* folder of the *Gallery* menu.
4. To listen to the last recording, select *Play last recorded*. To send the recording as a multimedia message, or send it via IR or Bluetooth connection, select *Send*.


### List of recordings

Press **Menu**, select *Applications*, *Extras*, *Voice recorder* and *Recordings list*. The list of folders in the *Gallery* is shown. Scroll to *Recordings*, press **Open** and you can select some of the options for files in the *Gallery*. See "[Gallery \(Menu 5\)](#)" on page 68.

## Calculator


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

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

1. Press **Menu**, select *Applications*, *Extras* and *Calculator*.
2. When '0' is displayed on the screen, key in the first number of the calculation, press  for a decimal point or the corresponding symbol on the keyboard, if the flip is open.
3. Press **Options** and select *Add*, *Subtract*, *Multiply*, *Divide*, *Square*, *Square root* or *Change sign*.

If the flip is open, you can also use the corresponding calculation symbols on the keyboard, if available.




**Tip:** Alternatively, press  once to add, twice to subtract, three times to multiply or four times to divide, if you are using the calculator with the flip closed.

4. Key in the second number.

5. For the total, press **Equals**. Repeat steps 3 to 5 as many times as is necessary.
6. To start a new calculation, press and hold **Clear**.

## Performing a currency conversion

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

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

## Countdown timer


Press **Menu**, select *Applications*, *Extras* and *Countdown timer*. Key in the time and press **OK**. If you wish, write a note that will be displayed when the time expires, and press **OK** to start the countdown timer.



- To change the countdown time, select *Change time*, or 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 stops automatically within 30 seconds. To stop the alarm and to delete the note, press **Exit**. Press **Restart** to restart the countdown timer.

## Stopwatch

You can measure time and take split or lap times using the stopwatch. During timing, the other functions of the phone can be used. To set the stopwatch to run in the background, press .



**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.

## Taking split times or lap times

1. Press **Menu**, select *Applications*, *Extras* and *Stopwatch*. Select *Split timing* or *Lap timing* and press **Start**. You can select *Continue* if you have set the stopwatch to run in the background.
2. 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.
3. Press **Save** to save the lap or split times as a set of times. To reset the times or to continue timing, press **Options** and select *Reset* or *Start*.

## Viewing and deleting times

Press **Menu**, select *Applications*, *Extras* and *Stopwatch*.

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

To delete the saved times, select *Delete times*. Select *Delete all*, or *One by one*, scroll to the times that you want to delete, and press **Delete**.

## ■ Services (Menu 9)



**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.

Various service providers maintain pages specifically designed for mobile phones, offering services such as, for example, news, weather reports, banking, travel information, entertainment, and games. With your phone's multi-mode browser you can view the services that use Wireless Markup Language (WML) or extensible HyperText Markup Language (xHTML) or a mixture of both.

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

Since the phone's display and the memory capacity are much smaller than in a computer, Internet content is displayed differently on the phone's display. Note that you may not be able to view all details of the Internet pages.

## Basic steps for accessing and using services

1. Save the service settings that are required to access the service that you want to use. See page [86](#).
2. Make a connection to the selected service. See page [87](#).
3. Start browsing the pages of the service. See page [88](#).
4. Once you are finished browsing, end the connection to the service. See page [89](#).

## Setting up the phone for a service

You may receive the service settings as an over the air message from the network operator or service provider that offers the service that you want to use. You can also key in the settings manually or add and edit the settings using PC Suite.

For more information and for the appropriate settings, contact the network operator or service provider that offers the service that you want to use.

To receive the service settings over the air, see "[Over the air settings service](#)" on page [9](#).

## Keying in the service settings manually

1. Press **Menu** and select *Services*, *Settings* and *Connection settings*.

2. Select *Active service settings*.

3. Scroll to the connection set that you would like to activate and press **Activate**.

You need to activate the connection set where you want to save the service settings. A connection set is a collection of settings that are required to connect to a service.

4. Select *Edit active service settings*.

Select each of the settings one by one and key in all the required settings according to the information you have received from your network operator or service provider. Note that all the bearer-related settings are in the *Bearer settings* menu.

## Connecting to a service


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

- Press **Menu** and select *Services*, *Settings* and *Connection settings*. Select *Active service settings* and scroll to the set you

want to activate and press **Activate**.

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

- Open the start page of the service, for example the homepage of the service provider:

Press **Menu** and select *Services* and *Home*, or in standby mode, press and hold . If the flip is open, press the corresponding number key.

- Select the bookmark of the service:

Press **Menu** and select *Services*, *Bookmarks*, and select 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 service:

Press **Menu** and select *Services* and then *Go to address*. Key in the address of the service, and press **OK**.





Note that it is not necessary to add the prefix `http://` in front of the address since it will be added automatically.

## Browsing the pages of a service

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

Note that if (E)GPRS is selected as the data bearer, the indicator  is shown on the top left of the display during browsing. If you receive a call or a text message, or make a call during an (E)GPRS connection, the indicator  will be shown on the top right of the display to indicate that the (E)GPRS connection has been suspended (on hold). After the call the phone tries to reconnect the (E)GPRS connection.

## Using the phone keys while browsing

- Move the joystick up or down to browse through the page.
- To select a highlighted item, press the joystick briefly or press .
- To enter letters and numbers, press the keys  -  and to enter special characters, press the key . When the phone's flip is open, you can key in letters and numbers normally.

## Options while browsing

Press **Options** to view the following options that may be available. The service provider may also offer other options. Select

- *Home* to return to the homepage.
- *Shortcuts* to open a new list of options that are, for example, specific to the page.
- *Add bookmark* to save the page as a bookmark.
- *Bookmarks*. See "[Bookmarks](#)" on page 90.
- *Download links* to show the list of bookmarks for downloading.
- *Save to folder* to add a current page as a download link to a selected folder.
- *Other options* to show a list of other options, for example, options for the wallet and some security options.
- *Reload* to reload and update the current page.
- *Quit*. See "[Disconnecting from a service](#)" on page 89.



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


To empty the cache, see "[Cache memory](#)" on page 91.

## Direct calling

The multi-mode 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 from a page.

## Disconnecting from a service

To quit browsing and to end the connection, press **Options** and select *Quit*. When *Quit browsing?* is shown, press **Yes**.

Alternatively, press  twice. The phone ends the connection to the service.

## Appearance settings of the multi-mode browser

While browsing, press **Options** and select *Other options* and *Appear. settings*, or in standby mode, press **Menu** and select *Services, Settings* and *Appearance settings*. Select

- *Text wrapping* and select *On* if you want the text to continue on the next line or select *Off*, if you want it to be abbreviated.
- *Font size* and select *Small*, *Normal* or *Large*.

- *Show images* and select *No*, if you do not want the pictures on the page to be shown. This can speed up the browsing of pages that contain a lot of pictures.
- *Alerts* and select *Alert for unsecure connection* and *Yes* to set the phone to alert when a secure connection changes to an unsecure one during browsing. Select *Alert for unsecure items* and *Yes* to set the phone to alert when a secure page contains an unsecure item. Note that these alerts do not guarantee a secure connection. For more information, see "[Browser security](#)" on page 91.
- *Character encoding* to select the character set that the phone uses for showing browser pages that do not include that information or to select whether to always use UTF-8 encoding when sending a Web address to a compatible phone.

## Cookies

A cookie is data that a site saves in your phone's browser cache memory. The data can be, for example, your user information or your browsing preferences. Cookies will be saved until you clear the cache memory, see "[Cache memory](#)" on page 91.

1. While browsing, press **Options** and select *Other options*, *Security* and *Cookies* or in standby mode, press **Menu** and select *Services*, *Settings*, *Security settings* and *Cookies*.
2. Select *Allow* or *Reject* to allow the phone to receive, or prevent it from receiving, cookies.

## Bookmarks

You can save addresses as bookmarks in the phone's memory.

1. While browsing, press **Options** and select *Bookmarks*, or in standby mode, press **Menu** and select *Services* and *Bookmarks*.
2. Scroll to the desired bookmark and press **Select** or press the joystick briefly to make a connection to the page associated with the bookmark, or press **Options** for the following functions: *View*, *Edit*, *Delete*, *Send*, *New bookmark* or *Save to folder*.



**Note:** Your phone may have some pre-installed bookmarks for sites that are not affiliated to Nokia. Nokia does not guarantee 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.

## 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 select *View* or *Discard*.

## Downloading

1. To download more tones, images, games or applications to your phone, press **Menu**, and select *Services* and *Download links*.
2. Select *Tone downloads*, *Graphic downloads*, *Game downloads* or *App. downloads* to download tones, images, games or applications, respectively.



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

## Service inbox

The phone is able to receive service messages (pushed messages) from your service provider. To set or change the service inbox settings, press **Menu**, and select *Services*, *Settings* and *Service inbox settings*. Select

- *Service messages* and *On* to set the phone to receive service messages.
- *Automatic connection* and *On* to set the phone to automatically fetch the content indicated in the service message.

To view a received service message:

- To view a received service message, press *Show*. If you press *Exit* the message is moved to the *Service inbox*. To view the service message later, press *Menu* and select *Services* and *Service inbox*.
- While browsing, press *Options* and select *Other options* and *Service inbox*. Scroll to the message that you want and press *Retrieve* to download the marked content from the web page, or press *Options* and select *Retrieve*, *Details* or *Delete*.

## Cache memory

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. To empty the cache:

- while browsing, press *Options* and select *Other options* and *Clear the cache*, or
- in standby mode, press *Menu* and select *Services* and *Clear the cache*.

## Browser security

Security features may be required for some services, such as banking services or shopping on a site. 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 may improve the security services for applications requiring browser connection, and allows you to use a digital signature. The certificates are saved in the security module by the service provider.

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

- *Security module details* to show the security module title, its status, manufacturer and serial number.
- *Module PIN request* to set the phone to ask for the module PIN when using services that are provided by the security module. Key in the code and select *On*. To disable the module PIN request, select *Off*.


- **Change module PIN** to change the module PIN, if allowed by the security module. Key in the current module PIN code, then key in the new code twice.
- **Change signing PIN**. Select the signing PIN that you want to change. Key in the current PIN code, then key in the new code twice.

See also "Access codes" on page ix.

## Certificates

There are three kinds of certificates: server certificates, authority certificates and user certificates.

- The phone uses a server certificate to improve security in the connection between the phone and the content server. The phone receives the server certificate from the service provider before the connection is established and its validity is checked using the authority certificates that are saved on the phone. Server certificates are not saved.

The security indicator  is displayed during a connection if the data transmission between the phone and the content server is encrypted.

- Authority certificates are used by some services, such as banking, for checking the validity of other certificates. Authority certificates can either be saved in the security module by the service provider, or they can be downloaded from the network, if the service supports the use of authority certificates.
- User certificates are issued to users by a Certifying Authority. User certificates are required, for example, to create a digital signature.



**Important:** Note, however, that even if the use of certificates makes the risks involved in remote connections and software installation considerably smaller, they must be used correctly in order to benefit from increased security. The existence of a certificate does not offer any protection by itself; the certificate manager must contain correct, authentic, or trusted certificates for increased security to be available.






**Important:** Certificates have a restricted lifetime. If Expired certificate or Certificate not valid yet is shown even if the certificate should be valid, check that the current date and time in your phone are correct.

**Important:** Before changing these settings, you must make sure that you really trust the owner of the certificate and that the certificate really belongs to the listed owner.

## 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 create the signature. Using the digital signature may be considered to be equal to a normal signature on any legal document.

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

Check that the header text is *Read* and that the digital signature icon  is shown.



**Note:** 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 add the digital signature to the text, read all of the text first and then you can select **Sign**.



**Note:** The text may not fit on a single screen. Therefore, make sure to scroll through and read all of the text before signing.

Select the user certificate that you want to use. Key in the signing PIN (see "Access codes" on page ix) and press **OK**. The digital signature icon will disappear and the service may display a confirmation of your purchase.

## SIM services (Menu 10)

In addition to the functions that are available on the phone, your SIM card may provide additional services that you can access in Menu 10. Menu 10 is only shown if it is supported by your SIM card. The name and contents of the menu depend entirely on the service available.



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

You can set the phone to show you the confirmation messages that are sent between your phone and the network when you are using the SIM services by selecting the option **Yes** in *Confirm SIM service actions* in *Phone settings*.

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

## 7. PC Connectivity

You can send and receive e-mails, and access the Internet when your phone is connected to a compatible PC via an IR or Bluetooth connection, or a data cable. You can use your phone with a variety of PC connectivity and data communications applications, provided that you have subscribed to the necessary services.

You will find more information and downloadable files on the Nokia website, [www.nokia.com/support/phones/6820](http://www.nokia.com/support/phones/6820).

### ■ PC Suite

The PC Suite contains the following applications:

- **Nokia Application Installer** to install Java applications from the compatible PC to the phone, for example games and dictionaries.
- **Nokia Image Converter** to create images in supported formats for portrait images, multimedia messages, or wallpaper, and to transfer them to your phone.
- **Nokia Sound Converter** to edit polyphonic ringing tones in supported formats to be compatible with your phone and to transfer them to your phone.
- **Nokia Content Copier** to copy data or back-up data from your phone to a compatible PC or to another compatible Nokia phone.
- **Nokia Settings Manager** to edit and send your browser bookmarks or to update the connection sets to your phone.
- **Nokia Phone Editor** to send text messages (SMS) and to edit the contacts in your phone.
- **Nokia Phone Browser** to view the contents of the Gallery folder of your phone on a compatible PC. You can browse picture and audio files in the phone's memory and can transfer them between the phone and the PC.
- **Nokia Multimedia Player** to play multimedia (MMS) messages, and audio and video files. You can also create playlists of your favourite multimedia files.
- **Nokia PC Sync** to synchronise contacts, calendar, to-do notes and notes between your phone and the compatible PC.
- **Nokia Modem Options** contains settings for HSCSD and GPRS connections.

- **Nokia Connection Manager** to select the connection type between the PC and the phone.
- **Language Selection** to select the language used during an installation of PC Suite and in the PC Suite application itself.
- **HTML Help** to support the application usage.

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

## (E)GPRS, HSCSD and CSD

You can use the EGPRS (Enhanced GPRS), GPRS (General Packet Radio Service), HSCSD (High Speed Circuit Switched Data) and CSD (Circuit Switched Data, *GSM data*) data services.

For availability and subscription to data services, contact your network operator or service provider.

Note that the use of HSCSD service consumes the phone's battery more quickly than normal voice or data calls. You may need to connect the phone to a charger for the duration of data transfer.

See "(E)GPRS modem settings" on page 63.

## ■ Using data communications applications

For information on using a data communications application, refer to the documentation provided with it.

Note that making or answering phone calls during a computer connection is not recommended as it might disrupt the operation.

For better performance during data calls, place the phone on a stationary surface with the keypad facing downward. Do not move the phone or hold it in your hand during a data call.

## 8. 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.

## 9. 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

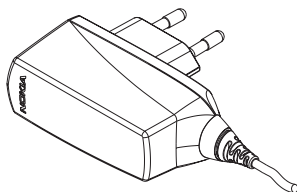
Type	Tech	Talktime *	Standby *
BL-5C	Li-Ion	Up to 7 hours	Up to 10 days

\* Variation in operation times may occur depending on SIM card, network and usage settings, usage style and environments. Use of 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.

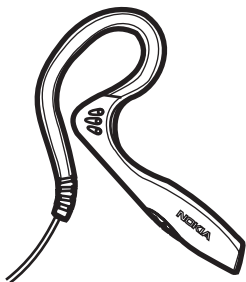


Note: The plug types vary according to different markets.

## ■ 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.

## 10. Care and maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to 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 lenses (e.g. camera, proximity sensor and light sensor).
- 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.



## 11. Important safety information

### ■ Traffic Safety

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

Remember road safety always comes first!

### ■ Operating environment

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

Use the phone only in its normal operating positions.

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

### ■ Electronic devices

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

#### Pacemakers

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

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

## 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 INTERNATIONAL GUIDELINES 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 0.72 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.

This product meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 1.5 cm away from the body. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the product at least 1.5 cm away from your body.

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

# Index

## SYMBOLS

(E)GPRS connection 63

## NUMERICS

5-way joystick 5

## A

Accepting or rejecting a chat invitation 36  
Access codes ix  
Alarm clock 72  
Answering or rejecting an incoming call 12  
Applications 81

## B

Backspace 5  
Battery 98  
Battery information 97  
type 98  
Bookmarks 90  
Boom Headset (HDB-4) 99  
brightness level of the phone display 58

## C

Calendar 73  
Call functions 11  
Call register 45  
Caller groups 55  
Camera 70  
Certification information (SAR) 104  
Character key 5  
Charging and Discharging 97  
Charging the battery 2  
Chat 33  
Chat and my presence settings 56  
Collections 81  
Connecting to a service 87  
Connectors 4  
Contacts 46  
Copying contacts 53

## D

Deleting contacts 49  
Deleting messages 29

Display settings 57  
Distribution lists 25  
Downloading 90

## E

EDGE x  
EDGE (Enhanced Data Rates for Global Evolution) 62  
EGPRS (Enhanced GPRS) 62  
E-mail messages 30  
Enter key 6  
Extras 83

## G

Gallery 68  
Games 81  
General information ix  
Getting started 1

## I

Info messages 40  
Installing the SIM card and the battery 1

## K

Keyboard light key 5  
Keypad lock 9  
Keys 5

## L

List of menu functions 19  
lock the keypad of the phone with a security code 65

## M

Making a calendar note 74  
Making a call 11  
Menu functions 21  
Message settings 40  
Messages 21  
missed calls 45  
Mobile Enhancements 98  
More settings 64  
Multimedia messages 26

My numbers 55  
My presence 50

## N

Notes 75

## O

Options during a call 12  
Organiser 72

## P

PC Connectivity 95  
PC Suite 95  
Personal shortcuts 59  
Power key 5  
Profiles 55

## R

Recent calls lists 45  
Recording a video clip 71  
Restore factory settings 68

## S

Safety vi  
SAR value 104  
Saving multiple numbers 47  
Searching for a contact 48  
Security code ix  
Selection keys 5  
Service commands 45  
Services 86  
Setting up a Bluetooth connection 60  
Settings 55  
Settings for e-mail 42  
Settings for multimedia messages 41  
Settings for text and e-mail message via SMS 40  
Settings for the synchronisation 80  
Shared memory xi  
Shift keys 5  
SIM services 93  
Space bar keys 5  
Speed dialling 11  
Speed dials 53  
Standby mode 6  
Starting a chat session 35  
Switch between lower and upper case 14  
Switching the phone on and off 2  
Synchronisation 79

## T

Taking a photo 71  
Templates 24  
Text message counter 25  
Time and date settings 58  
Timers and counters 46  
Tips for writing text 17  
To-do list 75  
Tone settings 57

## U

Using the menu 18

## V

Voice dialling 53  
Voice messages 39  
Voice recorder 83

## W

Wallet 76  
Wallet code x  
wallpaper 57  
Writing and sending a multimedia message 27  
Writing and sending an e-mail 30  
Writing and sending e-mail via SMS 22  
Writing text 14

## Y

Your phone 4