

User's Guide for Nokia 5140

DECLARATION OF CONFORMITY

We, NOKIA CORPORATION declare under our sole responsibility that the product NPL-5 is in conformity with the provisions of the following Council Directive: 1999/5/EC. A copy of the Declaration of Conformity can be found from www.nokia.com/phones/declaration_of_conformity/.

Copyright © 2004 Nokia. All rights reserved.

CE 168

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, Xpress-on 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.

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.



POWERED Java is a trademark of Sun Microsystems, Inc.

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

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

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

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

9231449/Issue 1

Contents

For your safety.....	5	Selecting the writing language.....	28
ABOUT YOUR DEVICE.....	6	Using predictive text input.....	28
NETWORK SERVICES.....	6	Using traditional text input.....	29
Shared memory.....	7	Tips for writing text.....	30
1. Getting started	8	6. Messages.....	31
Installing the SIM card and battery.....	8	Text messages.....	31
Charging the battery.....	10	Multimedia messages.....	34
Switching the phone on and off.....	11	E-mail messages.....	38
Keys and connectors.....	12	Chat.....	40
Main indicators in standby mode.....	13	Voice messages.....	44
Access codes.....	15	Info messages.....	45
Changing the shell and key mat.....	15	Message settings.....	45
Attaching the carrying strap to the phone.....	17	Service commands.....	47
2. Your phone.....	19	7. Contacts.....	48
Standby mode.....	19	Settings for contacts.....	48
Some useful shortcuts in standby mode.....	20	Adding contacts.....	48
Keypad lock (Keyguard).....	20	Saving multiple numbers and text items.....	49
Over the air settings service.....	21	Adding an image.....	50
3. Call functions.....	23	Searching for a contact.....	50
Making a call.....	23	Editing or deleting contact details.....	50
Speed dialling.....	23	Deleting contacts.....	50
Answering or rejecting a call.....	23	My presence.....	51
Options during a call.....	24	Subscribed names.....	52
4. Menu functions.....	25	Copying contacts.....	53
Using the menu.....	25	Sending and receiving a business card.....	54
Menu list.....	26	Voice dialing.....	54
5. Writing text.....	28	Other functions.....	55
Setting predictive text input on and off.....	28	8. Call register.....	57
		Recent call lists.....	57
		Call counters and call timers.....	57
		Positioning.....	58
		9. Settings.....	59
		Profiles.....	59
		Tone settings.....	59

Contents

Display settings.....	60	Extras.....	90
Time and date settings.....	60	15. Services.....	95
Personal shortcuts.....	60	Basic steps for accessing and using services.....	95
Connectivity.....	61	Saving service settings.....	95
Call settings.....	63	Connecting to a service.....	96
Phone settings.....	64	Browsing pages.....	96
Chat and my presence settings.....	65	Disconnecting from a service.....	97
Enhancement settings.....	65	Appearance settings.....	97
Security settings.....	66	Bookmarks.....	97
Restore factory settings.....	67	Downloading.....	98
10. Gallery.....	68	Service inbox.....	98
Folders in the gallery.....	68	Cache memory.....	99
11. Media.....	70	Cookies.....	100
Camera.....	70	Browser security.....	100
Radio.....	71	Certificates.....	101
Voice recorder.....	72	Digital signatures.....	101
12. Push to talk.....	73	16. Genuine Enhancements.....	103
Opening the push to talk menu.....	73	Power.....	103
Settings for push to talk.....	74	Indoor and Vehicle.....	104
Connecting to and disconnecting from the push to talk service.....	75	Vehicle.....	104
Making and receiving a push to talk call.....	75	Battery information.....	105
Callback requests.....	77	CARE AND MAINTENANCE..	106
Adding one-to-one contacts.....	78	Additional Safety.....	108
Creating and setting up groups.....	79	Operating environment.....	108
13. Organizer.....	81	Medical devices.....	108
Alarm clock.....	81	Vehicles.....	109
Calendar.....	81	Potentially explosive environments.....	110
To-do list.....	82	Emergency calls.....	110
Notes.....	82	Certification information (SAR).....	111
Synchronization.....	83		
Wallet.....	85		
14. Applications.....	88		
Games.....	88		
Collection.....	88		

For your safety

Read these simple guidelines. Not following them may be dangerous or illegal. Read the complete user guide for further information.



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



ROAD SAFETY COMES FIRST Obey all local laws. Always keep your hands free to operate the vehicle while driving. Your first consideration while driving should be road safety.



INTERFERENCE All wireless phones may be susceptible to interference, which could affect performance.



SWITCH OFF IN HOSPITALS Follow any restrictions. Switch the phone off near medical equipment.



SWITCH OFF IN AIRCRAFT Follow any restrictions. 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 Follow any restrictions. Don't use the phone where blasting is in progress.



USE SENSIBLY Use only in the normal position as explained in the product documentation. Don't touch the antenna unnecessarily.



QUALIFIED SERVICE Only qualified personnel may install or repair this product.



ENHANCEMENTS AND BATTERIES Use only approved enhancements and batteries. Do not connect incompatible products.

For your safety



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





BACK-UP COPIES Remember to make back-up copies or keep a written record of all important information stored in your phone.



CONNECTING TO OTHER DEVICES When connecting to any other device, read its user guide for detailed safety instructions. Do not connect incompatible products.



EMERGENCY CALLS Ensure the phone is switched on and in service. Press  as many times as needed to clear the display and return to the start screen. Key in the emergency number, then press . Give your location. Do not end the call until given permission to do so.

■ ABOUT YOUR DEVICE

The wireless device described in this guide is approved for use on the EGSM900, GSM1800, GSM1900 network. Contact your service provider for more information about networks.

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



Warning: To use any features in this device, other than the alarm clock, the device must be switched on. Do not switch the device on when wireless device use may cause interference or danger.

■ NETWORK SERVICES

To use the phone you must have service from a wireless service provider. Many of the features in this device depend on features in the wireless network to function. These Network Services may not be available on all networks or you may have to make specific arrangements with your service provider before you can utilize Network Services. Your service provider may need to give you additional instructions for their use and explain what charges will apply. Some networks may have limitations that affect how you can use Network

For your safety

Services. For instance, some networks may not support all language-dependent characters and services.

Your service provider may have requested that certain features be disabled or not activated in your device. If so, they will not appear on your device menu. Contact your service provider for more information.

This device supports WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols. Some features of this device, such as *Multimedia msgs.*, *E-mail*, *Chat*, *My presence*, *Services*, *Synchronisation*, *Positioning*, *Push to talk*, require network support for these technologies.

■ Shared memory

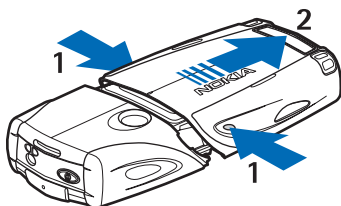
The following features in this phone may share memory: contacts, text and multimedia messages, Chat, e-mail, voice tags, SMS distribution lists, images, ringing tones, video clips, sound clips, camera, calendar, to-do notes, Java games and applications, and notes application. Use of any of these features may reduce the memory available for 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 allotted to them in addition to the amount of memory shared). 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 battery

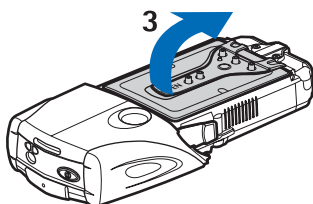
Keep all SIM cards out of the reach of small children. For availability and information on using SIM card services, contact your SIM card vendor. This may be the service provider, network operator, or other vendor.

Always switch the device off and disconnect the charger before removing the battery.



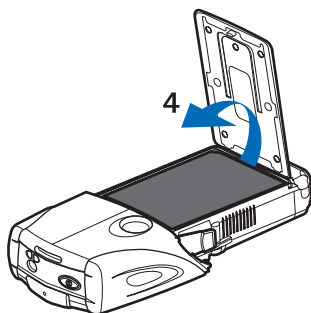
1 — With the back of the phone facing you, press the indentations on both sides of the lower shell.

2 — Slide the bottom of the shell off to remove it.

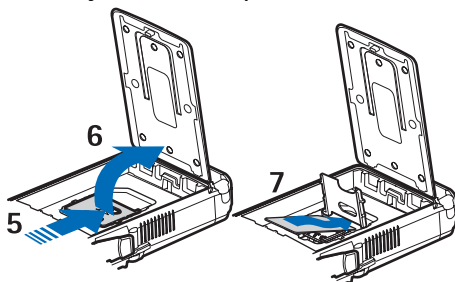


3 — Grasp the removal flap, and gently pull it up.

Getting started



4 — Lift the battery from the compartment.

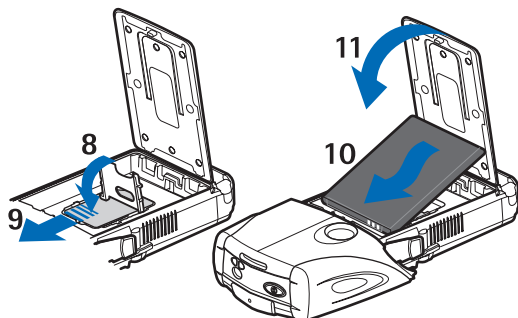


5 — Slide the cover of the SIM card holder toward the bottom end of the phone until it unlocks.

6 — Swing the cover of the SIM card holder open.

7 — Insert the SIM card into the holder. Ensure that the beveled corner of the SIM card is on the left, and the golden contact area is facing downward.

Getting started

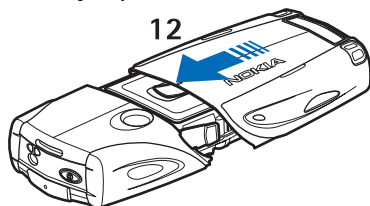


8 — Close the cover of the SIM card holder.

9 — Slide the cover of the SIM card holder toward the top end of the phone until it locks into place.

10 — Position the battery with the contacts aligned to the golden contacts on the phone. Insert the battery into the battery slot, contact end first.

11 — Close the battery flap.



12 — Place the phone into the lower shell, sliding the shell forward until it locks into place.

■ Charging the battery



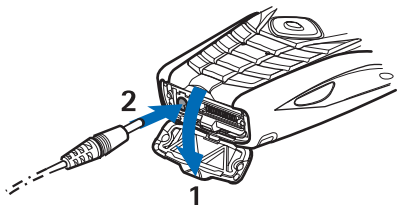
Warning: Use only batteries, chargers, and enhancements approved by Nokia for use with this particular model. The use of any other types may invalidate any approval or warranty, and may be dangerous.

Getting started

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

1. Open the flap on the bottom of the phone.
2. Connect the lead from the charger to the socket on the bottom of the phone.
3. Plug the charger into a standard wall outlet.

The battery indicator scrolls on the display during charging. The text **Charging** is displayed briefly if the phone is switched on. If the battery is completely



discharged, it may take a few minutes before the charging indicator appears on the display, or before 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.

■ Switching the phone on and off

Your device has an internal antenna.



Note: As with any other radio transmitting device, do not touch the antenna unnecessarily when the device is switched on. Contact with the antenna affects call quality and may cause the device to operate at a higher power level than otherwise needed. Avoiding contact with the antenna area when operating the device optimises the antenna performance and the battery life.



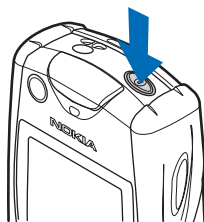
Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

Getting started

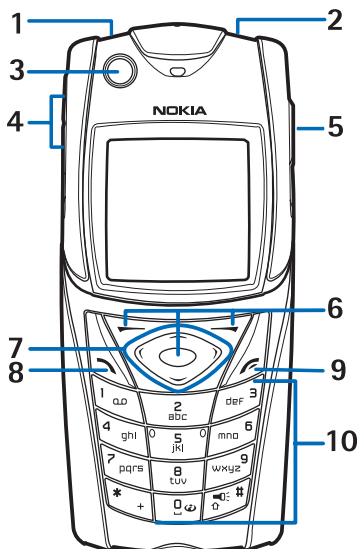
To switch the phone on or off, press and hold the power key.


If the phone displays *Insert SIM card*, even though the SIM card is properly inserted or *SIM card not supported*, contact your service provider.

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



■ Keys and connectors



1 — Flashlight. To activate the flashlight, press and hold  in standby mode.

2 — Power key, to turn the phone on and off.

3 — Bubble level, to level the phone while using the compass.


4 — Volume keys, to adjust the volume of the earpiece or loudspeaker, or the headset when connected to the phone.


Getting started

5 — Push to talk key



6 — Left selection key, middle selection key, and right selection key. The function of these keys depends on the guiding texts shown above the keys on the display.

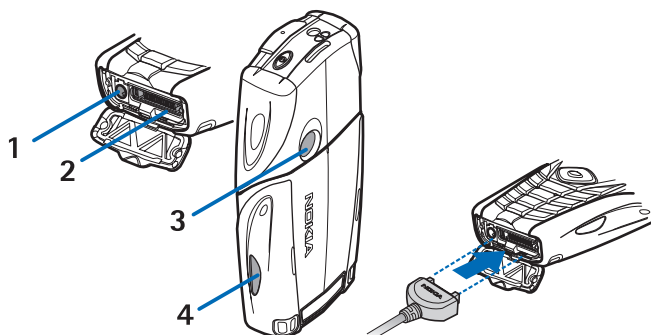
7 — Four-way scroll key, to scroll through the menu, for example, or to move the cursor when writing text.

8 — Call key , to dial a phone number, or to answer a call.

9 — End key , to end a call, or to exit functions.

10 — Keys  - , to enter numbers and characters.

Keys  and  are used for various purposes in different functions.




1 — Charger connector

2 — Pop-Port™ connector used, for example, for headsets and the data cable.



3 — Camera lens


4 — Infrared (IR) port

■ Main indicators in standby mode


 One or more text messages or picture messages are received.


Getting started

 or  Your phone is connected to the chat service, and the availability status is online or offline.

 One or more chat messages are received when you are connected to the chat service.


 The phone keypad is locked.

 The phone does not ring for an incoming call or text message when *Incoming call alert* is set to *Off*, or none of the caller groups has been set to alert in the *Alert for* setting, and *Message alert tone* is set to *Off*.


 The alarm clock is set to *On*.


 The countdown timer is running.

 The stopwatch is running.


 The GPRS connection mode *Always online* is selected and the (E)GPRS service is available. The indicator for GPRS and EGPRS is the same.


 An (E)GPRS connection is established.


 The (E)GPRS connection is suspended (on hold), for example, if there is an active call during an (E)GPRS dial-up connection.




 When the infrared connection is activated, the indicator is shown continuously.

2 If you have two phone lines, the second phone line is indicated.

 All incoming calls are diverted to another number.

 The loudspeaker is activated, or the music stand is connected to the phone.

 Calls are limited to a closed user group.

, ,  A headset, handsfree, or loopset is connected to the phone.

 The timed profile is selected.

 or  Push to talk connection is active or suspended.

■ Access codes

- **Security code:** This code is supplied with the phone. The security code protects your phone against unauthorized use. The pre-set code is 12345.

Change the code, and keep the new code confidential and in a safe place separate from your phone. You can change the code and set the phone to request the code. See Security settings on page 66.

- **PIN code:** The personal identification number (PIN) code may be supplied with the SIM card. It protects your SIM card against unauthorized use. Set the phone to request the PIN code each time the phone is switched on. See Security settings on page 66.
- **PIN 2 code:** This code may be supplied with the SIM card and is required to access some functions.
- **PUK and PUK2 codes:** These codes may be supplied with the card. Otherwise, contact your local service provider for the codes.
- **Barring password:** The barring password is required when using the [Call barring service](#). See Security settings on page 66.
- **Module PIN and signing PIN:** The module PIN is required to access the information in the security module. See Security module on page 100. The signing PIN is required for the digital signature. See Digital signatures on page 101. The module PIN and signing PIN are supplied with the SIM card if the SIM card has a security module in it.
- **Wallet code:** This code is required to access the wallet service. See Wallet on page 85.

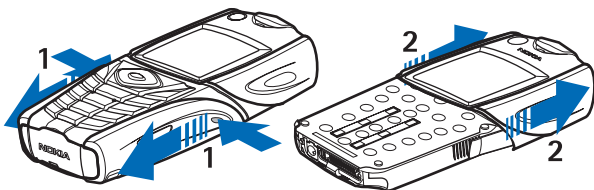
■ Changing the shell and key mat



Note: Before removing the cover, always switch off the power and disconnect the charger and any other device. Avoid touching electronic components while changing

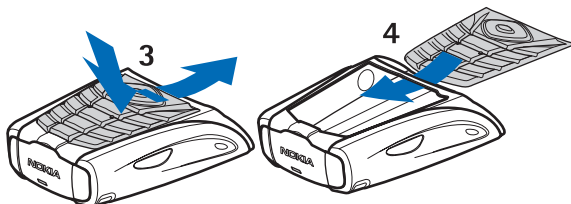
Getting started

the covers. Always store and use the device with the covers attached.



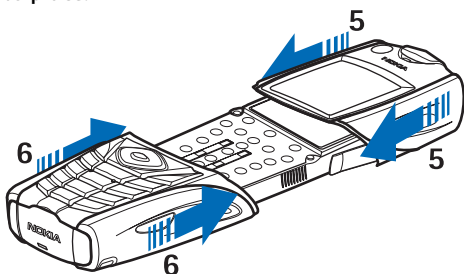
1 — With the back of the phone facing you, press the indentations on both sides of the lower shell. Slide the bottom of the shell off to remove it.

2 — To remove the top shell, slide it upwards.



3 — To remove the key mat from the lower shell, push it down, and pull it out of the shell.

4 — To replace the key mat, slide it into the lower shell, and press it into place.

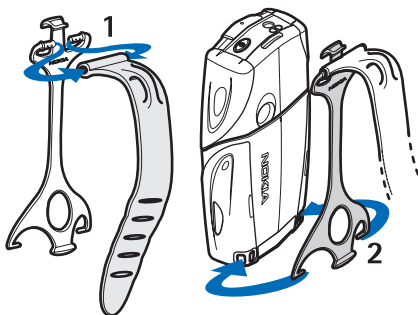


5 — Slide the upper shell onto the phone.

Getting started

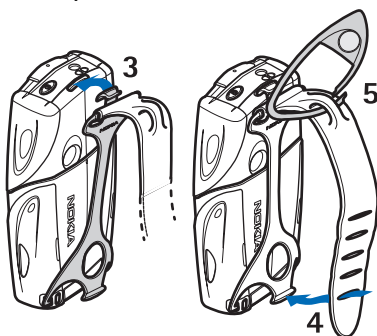
6 — Slide the lower shell onto the phone until it clicks into place, meeting the upper shell.

■ Attaching the carrying strap to the phone



1 — Connect the elastic band to the holster.

2 — Connect the pins on the end of the holster to the holes in the lower end of the phone.



3 — Connect the pin on the other end of the holster to the hole in the top end of the phone.

4 — Wrap the elastic band, for example, around your wrist and connect the band to the holster.

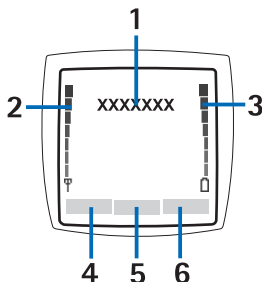
Getting started

5 — Connect the hook to the loop on the elastic band. The hook contains a magnifying glass and a whistle.

2. Your phone

■ Standby mode

When the phone is ready for use, 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 the cellular network in which 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**. You can use the key as a shortcut to your favorite functions.

To view the list of functions that you have on your personal shortcut list, press **Go to**. To activate a function, scroll to it, and press **Select**.


To add more functions to the shortcut list, press **Options**, select **Select options**, and the list of available functions is shown. Scroll to a function, and press **Mark** to add it to the shortcut list. To remove a function from the list, press **Unmark**.

To arrange the functions on the shortcut list, press **Options**, and select **Organise**. Scroll to the function that you want to move, press **Move**, and select where you want to move the function.

Your phone

If there are no functions in the shortcut list, press **Add** to add a function.











5 — The middle selection key  in standby mode is **Menu**.

6 — The right selection key  in standby mode may be **Names** to access the **Contacts** menu, an operator-specific key to access an operator's homepage, or a specific function that you have selected in the **Right selection key** menu. See Personal shortcuts on page 60.

Wallpaper and screen savers

- You can set your phone to display a background picture, wallpaper, when the phone is in standby mode.
- The phone automatically activates the digital clock screen saver on the display in standby mode after a certain length of time if no phone function is used. Note that if you have not set the time, 00:00 is displayed.


■ Some useful shortcuts in standby mode




- To access the list of dialed numbers, press . Scroll to the number or name that you want, and press  to call the number.
- To call your voice mailbox, press and hold .
- To make a connection to a browser service, press and hold .
- To open the push to talk **Group list**, press .
- To find a contact name, press .
- To start writing a text message, press .
- To open the camera viewfinder in standard photo view, press . To quickly change the camera mode, for example video, press and hold  or .

■ Keypad lock (Keyguard)

The keyguard disables your keypad to prevent accidental key presses.

Your phone

When the keypad lock is on, calls still may be possible to the official emergency number programmed into your device. Key in the emergency number and press .

- To lock the keypad in standby mode, press **Menu** and  within 1.5 seconds.
- To unlock the keypad, press **Unlock** and  within 1.5 seconds.
- To answer a call when the keyguard is on, press . During a call, the phone can be operated normally. When you end or reject a call, the keypad automatically locks again. You can set whether the keyguard locks automatically or requires a code to unlock.

■ Over the air settings service

To use MMS, GPRS, and other wireless services, you must have the proper settings on your phone. If you receive the settings directly as an over the air message, then you need save the settings on your phone. For more information on the availability of the settings, contact your network operator, service provider or nearest authorized Nokia dealer.

You may be able receive the connection settings for GPRS, multimedia messages, synchronisation, chat and presence, push to talk, and for the browser. When you have received the connection settings as an over the air message, and the settings are not automatically saved and activated, *Connection settings received* is displayed.

- To save the received settings, press **Options** and select **Save**. If the phone requests *Enter settings' PIN:*, enter the PIN code for the settings. For availability of the PIN code, contact the service provider that supplies the settings. If no settings are saved yet, these settings are saved under the first free connection set and automatically activated.
- To view the homepage and the application which used the received settings, press **Options**, and select **View**. To save the settings, press **Save**. You cannot view or edit the saved settings.

Your phone

- To discard the received settings, press **Options**, and select *Discard*.


You can activate the settings. See *Connecting to a service* on page 96.

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.

For international calls, press  twice for the international prefix (the + character replaces the international access code), and key in the country code, the area code without the leading 0, if necessary, and the phone number.

2. To call the number, press .
3. To end the call or to cancel the call attempt, press .

■ Speed dialling




Before you can use speed dialling, assign a phone number to one of the speed-dialling keys, from  to . See Contacts on page 48.

Press the speed-dialling key that you want and then press .

OR



If **Speed dialling** is set to on, press and hold a speed-dialling key until the call is started. You can switch speed dialling on and off. See Call settings on page 63.

■ Answering or rejecting a call

- To answer an incoming call, press .
- To reject an incoming call, press .
- To mute a ringing tone instead of answering a call, press **Silence** or **Options**. Then you can either select to answer or reject the call.
- To end a call, press . If a compatible headset supplied with the headset key is connected to the phone, you can answer and end a call by pressing the headset key.

Call functions

Call waiting

1. To answer a waiting call during a call, press . The first call is put on hold.
2. To end the active call, press . You can switch the [Call waiting](#) function on and off. See Call settings on page 63.


■ Options during a call

Many of the options that you can select during a call are network services. To check availability, contact your network operator or service provider.

During a call, press **Options** to select from the following:

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

Other options during a call may include:

- [Conference](#) — to make a conference call that allows up to five persons to participate (network service).
- [Auto volume on](#) or [Auto volume off](#) — to set the automatic volume control on or off. See Call settings on page 63.
-
- [Swap](#) — to switch between the active call and the call on hold (network service).
- [Transfer](#) — to connect a call on hold to an active call and press  to disconnect yourself from the calls (network service).
- [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.



4. Menu functions

■ 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.

1. To view the help text, scroll to the menu function that you want and wait for 15 seconds.
2. To exit the help text, press **Back**. See Phone settings on page 64.

Accessing a menu function by scrolling

1. To access the menu, press **Menu**.
2. Scroll with  or  through the menu list, or scroll with any of the scroll keys, if the grid menu is selected. See Display settings on page 60. Select, for example, *Settings*, and press **Select**.
3. If the menu contains any submenus, select the one that you want, for example, *Call settings*.
4. If the menu contains further submenus, repeat step 3.
5. Select the setting of your choice.
6. To return to the previous menu level, press **Back**, and to exit the menu, press **Exit**.

Using a shortcut

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

1. To access the menu, press **Menu**. Key in quickly, within 2 seconds, the index number of the menu function that you want to access.
2. To return to the previous menu level, press **Back**, and to exit the menu, press **Exit**.

■ Menu list

1. Messages

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

2. 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*²

11. *Service numbers*³

12. *My numbers*⁴

13. *Caller groups*⁵

3. Call register

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

4. Settings

1. *Profiles*
2. *Tone settings*
3. *Display settings*
4. *Time and date settings*
5. *Personal shortcuts*
6. *Connectivity*
7. *Call settings*
8. *Phone settings*

- 1 If this menu is not shown the subsequent menu numbers changes accordingly.
- 2 Shown if supported by your SIM card. For availability, contact your network operator or service provider.
- 3 If this menu is not shown the subsequent menu numbers changes accordingly.
- 4 If Info numbers, Service numbers or both are not supported, the number of this menu item changes accordingly.
- 5 Shown if supported by your SIM card. For availability, contact your network operator or service provider.

Menu functions

9. *Chat and my presence settings*
10. *Enhancement settings*⁶
11. *Security settings*
12. *Restore factory settings*

5. Gallery

6. Media

1. *Camera*
2. *Radio*
3. *Voice recorder*

7. Push to talk

1. *Switch PTT on*
2. *Callback inbox*
3. *Group list*
4. *Contacts list*
5. *Add group*
6. *Settings*
7. *Services*

8. Organiser

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

9. Applications

1. *Games*
2. *Collection*
3. *Extras*
 1. *Calculator*
 2. *Compass*
 3. *Countdown timer*
 4. *Stopwatch*
 5. *Sound meter*
 6. *Thermometer*

10. Services






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

11. SIM services⁷

- 6 This menu is shown only if the phone is or has been connected to a compatible enhancement available for the phone.
- 7 Only shown if supported by your SIM card. The name and contents vary depending on the SIM card.

5. Writing text


You can key in text, for example, when writing messages, using traditional or predictive text input.

When you write text,  appears at the top left of the display, indicating predictive text input, and  appears, indicating traditional text input. **Abc**, **abc**, or **ABC** appears next to the text input indicator, indicating the character case. To change the character case, press . **123** indicates number mode. To change from letter to number mode, press and hold , and select *Number mode*. To revert to letter mode, press and hold .

■ Setting predictive text input on and off

When you write text in letter mode, press **Options**. Select *Dictionary on* to set predictive text input on if it is available for the language, or *Dictionary off* to revert to traditional text input.



■ Selecting the writing language

When you write text in letter mode, press **Options**, or press and hold . Select *Writing language* to temporarily change the language for writing text.

You can set a different language for writing text and for the texts shown on the display. See Phone settings on page 64.

■ Using predictive text input


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


1. Start writing a word using the keys  to . Press each key only once for an individual letter. The word changes after each keystroke.

Writing text

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


See Tips for writing text on page 30.

2. When you finish writing the word and it is correct, confirm it by adding a space with  or by pressing any of the scroll keys. Press a scroll key to move the cursor.



If the word is not correct, press  repeatedly; or press **Options**, and select **Matches**. When the desired word appears, confirm it.

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 is full, the new word replaces the oldest one that was added.


Writing compound words

1. Key in the first part of the word, and press  to confirm it .
2. Write the last part of the word, and confirm the word.

■ 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 for writing text.










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

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

See Tips for writing text on page 30..

■ Tips for writing text

The following functions may also be available for writing text:

- To insert a space, press .
- To move the cursor to the left, right, up, or down, press the scroll keys , , , or .
- To delete a character to the left of the cursor, press **Clear**. To delete the characters quickly, press and hold **Clear**. To delete all the characters at once (only when writing a message), press **Options**, and select *Clear text*.
- To insert a word when using predictive text input, press **Options**, and select *Insert word*. To insert a word using traditional text input, press **Save**. The word is also added to the dictionary.
- To insert a special character when using traditional text input, press . When using predictive text input, press and hold , or press **Options**, and select *Insert symbol*. To insert a smiley, press **Options**, and select *Insert smiley*. To insert a smiley when using traditional text input, press  twice. When using predictive text input, press and hold  for special characters, and press once again for smileys. Press any of the scroll keys to scroll to a character, and press **Use** to select the character.
- To insert a number while in letter mode, press **Options**, select *Insert number*, key in the phone 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*.

6. Messages



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

■ Text messages

You can send and receive multipart messages made of several ordinary text messages (network service) that can contain pictures.

Your device supports the sending of text messages beyond the normal 160-character limit. If your message exceeds 160 characters, it will be sent as a series of two or more messages.


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

Note that using special (Unicode) characters such as ð, â, á, ì take up more space.

Writing and sending a text message



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

1. Press **Menu**, and select *Messages* → *Text messages* → *Create message*.
2. Write the message, and press **Send** or .
3. Enter the recipient's phone number, or press **Search** to retrieve a number from *Contacts*, and press **OK**.



Create SMS e-mail


You can send an e-mail message using text messages (SMS) (network service).

To write and send e-mail using text messages, you must first save the settings for sending e-mail. Contact your service provider or network operator for availability and to subscribe to service.

1. Press **Menu**, and select *Messages* → *Text messages* → *Create SMS e-mail*.
2. Key in the recipient's e-mail address, or search for it in *Contacts*.
3. Enter a subject for the e-mail message, and key in the message. The total number of characters allowed is shown on the top right of the display. You can also select an option to insert text templates.
4. To send the e-mail message, press **Send**.

Reading and replying using SMS

The indicator  is shown when you receive a message or an e-mail. The blinking  indicates that the message memory is full. Delete old messages in the *Inbox* folder.

1. To view a new message, press **Show**, or to view it later, press **Exit**.
To read the message later, press **Menu**, and select *Messages* → *Text messages* → *Inbox*. If more than one message is received, select the message you want to read.  indicates an unread message.
2. While reading the message, press **Options**. You can select to delete, forward, edit the message as a text message or an e-mail, move to another folder, or extract message details. You can also copy text from the beginning of a message to your phone calendar as a reminder note.

Messages

3. To reply to the message, press **Reply**. When replying to an e-mail, confirm or edit the e-mail address and subject, and then write your reply message.
4. To send to the displayed number, press **Send** and **OK**.

Folders for text messages

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

- *Templates* includes text and picture templates you can insert into messages.
- *Inbox* includes received text and e-mail messages.
- *Sent items* includes sent messages.
- *Saved items* and *My folders* are used to organize messages. You can add new folders in *My folders*.

Distribution lists

You can create a distribution list for a fixed group of recipients, to whom you frequently send messages.

Creating a distribution list

Make sure the contacts you want to add to a distribution list are saved in both the phone and SIM card memory.

1. Press **Menu**, and select *Messages* → *Text messages* → *Distribution lists*.
2. To create a list if you have not saved any, press **Add**. Otherwise, press **Options**, and select *Add list*.
3. Key in the name for the list, and press **OK**.
4. To add a name to the list, press **View** and **Add**. Select the contact to add to the distribution list.
5. To add more contacts, press **Add**.

Message counter

To view the number of messages you have sent and received, press **Menu**, select *Messages* → *Text messages* → *Message*

Messages

counter, and *Sent messages* or *Received messages*. To clear the counters, select *Clear counters*.

Deleting text messages

- To delete text messages, press **Menu**, and select *Messages* → *Text messages* → *Delete messages*.
- To delete all messages from a folder, select the folder from which you want to delete the messages, and press **Yes** to confirm.

■ Multimedia messages



Note: Only devices that offer compatible multimedia message or e-mail features can receive and display multimedia messages.

Multimedia messaging is a network service. A multimedia message can contain text, sound, a picture, a calendar note, a business card, or a video clip. If the message is larger than 100 kB in size, the phone may not be able to receive it. Some networks allow text messages that include an Internet address where you can view the multimedia message.

The phone scales pictures down to fit the display area.

Multimedia messaging may support the following formats:

- Picture: JPEG, GIF, WBMP, BMP, OTA-BMP, and PNG
- Sound: scalable polyphonic MIDI (SP-MIDI), AMR audio, and monophonic ringing tones
- Video clip: 3GP format (H.263 baseline and MPEG-4 simple profile)

Note that the phone may not support all variations of the file formats. If you receive a message containing unsupported elements, the file name may replace the element.

You cannot receive multimedia messages during a call, a game, a Java application, or an active browsing session. Because the delivery of multimedia messages can fail for various reasons, do not rely solely upon them for essential communications.


Writing and sending a multimedia message

The appearance of a multimedia message may vary depending on the receiving device.

To check availability and to subscribe to the multimedia messaging service, contact your network operator or service provider. You can set the settings for multimedia messaging. See Settings for multimedia messages on page 45.


Copyright protections may prevent you from copying, modifying, transferring, or forwarding some images, ringing tones, and other content.

To create and send a multimedia message:

1. Press **Menu**, and select *Messages* → *Multimedia msgs.* → *Create message*.
2. Key in a message. See Writing text on page 28.
3. To insert an attachment in the message, press **Options**.
 - To insert a file in the message, press **Options**, select *Insert*, and select whether you want to insert a picture, sound, a calendar note, a business card, or a video clip in the message.
 - The phone supports multimedia messages that contain several slides. Each slide can contain text, one image, a calendar note, a business card, and one sound clip. To insert a slide in the message, press **Options**, and select *Insert* → *Slide*. 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 insert the interval between the slides, select *Slide timing*.
 - To insert a name or phone number from *Contacts*, press **Options**, and select *More options*.
4. To view the message before sending it, press **Options**, and select *Preview*.
5. To send the message, press **Send** or , or press **Options**, and select *Send to e-mail* or *Send to many*.

Messages

6. 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.


While the multimedia message is being sent, the animated indicator  is displayed, and you can use other functions of the phone. If an interruption occurs while the message is being sent, the phone tries to resend the message a few times. If these tries fail, the message remains in the [Outbox](#) folder. You can resend it later.

The sent message is saved in the [Sent items](#) folder if the setting [Save sent messages](#) is set to [Yes](#). See Settings for multimedia messages on page 45. Note that when the message is sent, it is not an indication that the message has been received at the intended destination.

Reading and replying to a multimedia message



Important: Multimedia message objects may contain viruses or otherwise be harmful to your device or PC. Do not open any attachment if you are not sure of the trustworthiness of the sender.

When the phone receives a multimedia message, the animated indicator  and the text [Multimedia message received](#) are displayed.

1. To read a received multimedia message, press **Show** to view the message, or press **Exit** to view it later.
To read the message later, press **Menu**, and select [Messages](#) → [Multimedia msgs.](#) → [Inbox](#).
2. The function of the middle selection key changes according to the currently displayed attachment in the message.
 - To reply to the message, press **Reply**.
 - To view the whole message if the message contains a presentation, press **Play**. Otherwise, press **Play** to listen to a sound clip or view a video clip attached to the

Messages

message. To zoom in on an image, press **Zoom**. To view a business card or a calendar note, press **View**.


3. You can select an option, for example, to delete a saved message, to reply to the message, or to view the details of the message.

Folders for multimedia messages

Press **Menu**, and select *Messages* → *Multimedia msgs.*

- The *Inbox* folder includes received multimedia messages.
- The *Outbox* folder includes multimedia messages that have not yet been sent.
- The *Sent items* folder includes multimedia messages that have been sent.
- The *Saved items* folder includes multimedia messages that you have saved to be sent later.

Multimedia messages memory full

When a new multimedia message arrives and the message memory is full, the indicator  blinks and *Multimedia memory full, view waiting msg.* is displayed. To view the waiting message, press **Show**. To save the message, press **Save**, and delete old messages by selecting the message to be deleted.

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

Deleting multimedia messages

- To delete multimedia messages, press **Menu**, and select *Messages* → *Multimedia msgs.* → *Delete messages*.
- To delete all messages from a folder, select the folder from which you want to delete the messages, and press **Yes** to confirm.

■ E-mail messages

The e-mail application allows you to access your e-mail account from your phone. To use the e-mail function of your phone, you need a compatible e-mail system.

You can write, send, and read e-mail with your phone. You can also save and delete the e-mail on a compatible PC. Your phone supports POP3 and IMAP4 e-mail servers. Before you can send and receive any e-mail messages, you may need to do the following:

- Obtain a new e-mail account or use your current account. To check the availability of your e-mail account, contact your e-mail service provider.
- Check your e-mail settings with your network operator or e-mail service provider. You can receive e-mail settings over the air. See *Over the air settings service* on page 21.
- Key in the e-mail settings on your phone. To check your settings, press **Menu**, and select *Messages* → *Message settings* → *E-mail messages*. See *E-mail settings* on page 46.

Note that this application does not support keypad tones.

Writing and sending an e-mail message

You can write your e-mail message before or after connecting to the e-mail message service.

1. Press **Menu**, and select *Messages* → *E-mail* → *Create e-mail*.
2. Key in the recipient's e-mail address and press **OK**, or press **Edit**, key in the e-mail address, and press **OK**. If you want, you can enter a subject for the e-mail.
3. Key in the e-mail message. See *Writing text* on page 28. The number of characters that you can key in is shown on the top right of the display.
4. To send the e-mail message, press **Send**. Select *Send now* to send the e-mail immediately. If you select *Send later*, the e-mail is saved in *Outbox*.

Messages

To edit or continue writing your e-mail later, you can save it in *Drafts* by selecting *Save draft msg.*

When sending the e-mail later, press **Menu**, and select *Messages* → *E-mail*, press **Options**, and select *Send now* or *Retrieve and send*.

Downloading e-mail messages

You can download e-mail messages from your e-mail account.


1. Press **Menu**, and select *Messages* → *E-mail*, press **Options**, and select *Retrieve*.

Alternatively, press **Menu**, and select *Messages* → *E-mail* → *Retrieve and send* to download new e-mail messages and to send e-mail that is saved in the *Outbox* folder.

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

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.

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

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

Reading and replying to messages

1. Press **Menu**, and select *Messages* → *E-mail* → *Inbox*.
2. While reading the message, press **Options** to 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.
3. To reply to a message, press **Reply**. You can, for example, include the original message in the reply. Confirm or edit the e-mail address and subject, then write your reply.
4. To send the message, press **Send**, and select *Send now*.

Deleting messages

- To delete e-mail messages, press **Menu**, and select *Messages* → *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**.

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

■ Chat

Chat (network service) is a way of sending short, simple text messages to online users, delivered over TCP/IP protocols. Your contact list shows you when your contacts are online and available to participate in a chat conversation and when you have received a new message from a contact.

To check availability and costs and to subscribe to the service, contact your network operator or service provider, from whom you also receive your unique ID and password, and chat settings.

To use the chat service, you must also define required settings. See Chat and my presence settings on page 65.

While you are connected to the chat service, you can use the other functions of the phone; the chat session remains active in the background. Depending on the network, the active chat session may consume phone battery power faster, and you may need to connect the phone to the charger.

Opening the chat menu

To open the *Chat* menu while still offline, press **Menu**, and select *Messages* → *Chat*. If more than one connection settings set for chat services is set, select the connection set of the desired chat service.










- To connect to the chat service, select *Login*.
- To view, erase, or rename the chat conversations that you have saved during a chat session, select *Saved convers..*
- To edit the settings needed for chat messaging and presence connections, select *Connect. settings*.

Connecting to and disconnecting from the chat service

To connect to the chat service, open the [Chat](#) menu, select the desired chat service if needed, and [Login](#). To disconnect from the chat service, select [Logout](#).

Starting a chat conversation

Open the [Chat](#) menu, connect to a chat service, and you can start a chat conversation in different ways.

- Select [Conversations](#). The list of new and read chats or invitations to chats during the currently active chat session is displayed. Scroll to a message or an invitation, and press [Open](#).  indicates a new, unread message.  indicates a message that has been read.  indicates a new group message.  indicates a read group message.  indicates an invitation. The icons and texts on the display may vary depending on the chat service.
- Select [Chat contacts](#). The contacts that you have added are displayed. Scroll to the contact with whom you want to chat, and press [Chat](#).  indicates that you have received a new message from a contact.  indicates an online contact.  indicates an offline contact in the contact memory of the phone.  indicates a blocked contact. The icons may vary depending on the chat service. You can add contacts to the list.
- Select [Groups](#) → [Public groups](#) (dimmed if the group functionality is not supported by the network). The list of bookmarks to public groups provided by the network operator or service provider is displayed. To start a chat conversation, scroll to a group, and press [Join](#). Enter the screen name that you want to use as a nickname in the conversation. When you have successfully joined in the group conversation, the phone displays [Joined group](#): and the group name, and you can start a group chat session. You can create a private group.

Messages

- Select **Search** → **Users** to search for other chat users by phone number, screen name, e-mail address, or name.
- Select **Groups**, and you can search for public groups on the network if the group functionality is supported by the network. You can search by a member in the group or by group name, topic, or ID. To start the chat session when you have found the user or group that you want, press **Options**, and select **Chat** or **Join group**.
- You can start a chat session from **Contacts**.

Accepting or rejecting a chat invitation

In standby mode, when you have connected to the chat service and you receive a new chat invitation, **New invitation received** is displayed. Press **Read** to read it. If more than one invitation is received, scroll to an invitation, and press **Open**.

- To join the private group conversation, press **Accept**. Enter the screen name that you want to use as a nickname in the chat conversation.
- To reject or delete the invitation, press **Options**, and select **Reject** or **Delete**. You can key in an explanation for the rejection.

Reading a received chat message


In standby mode, when you have connected to the chat service and receive a new message that is not associated with the active conversation, **New instant message** is displayed. Press **Read** to read it. If more than one message is received, scroll to a message, and press **Open**.


New messages received during an active chat session are stored in **Conversations** in the **Chat** menu. When you receive a message from someone who is not in **Chat contacts**, the sender ID is displayed. If the sender is in your **Chat contacts**, their name is displayed. To save a new contact that is not in the phone memory, press **Options**, and select **Save contact**. To add a new detail to the selected contact, select **Add to contact**.

Participating in a chat conversation

To write chat messages when you have joined in or started a conversation, press **Write** or start writing.





Tip: If you receive a new message during a chat from a person who is not taking part in the current chat session,  is displayed, and the phone sounds an alert tone.

Key in your message, and press **Send** or  to send it. The message stays on the display, and the reply message appears below your message.

Editing your own settings

1. Open the **Chat** menu and connect to the chat service.
2. To view and edit your own availability information or screen name, select **My settings**.
 - To allow all other chat users to see you as being online, select **Availability** → **Available for all**.
 - To allow only the contacts in your chat contact list to see you as being online, select **Availability** → **Avail. for contacts**.
 - To appear as being offline, select **Availability** → **Appear offline**.

When you are connected to the chat service,  indicates that you are online and  that you appear as offline to others.

Contacts for chat

You can add contacts to the chat contacts list.

1. Connect to the chat service, and select **Chat contacts**.
2. Press **Options**, and select **Add contact**. Select from the list of options.

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 the phone displays an information note, press **OK**.


Messages

3. To start a chat, press **Chat** or **Open** if there is a new message from the contact.
4. Press **Options** to select from the list of options.

Groups

If groups are supported by the network, you can create your own private groups that exist only during a chat session, or use public groups where provided by the service provider.

To join a public group or create a private group, connect to the chat service, and select **Groups**.

- Select **Public groups**. Press **Join**, and if you are not in the group, enter your screen name. You can select an option to delete a group from your group list or to search for a new group.
- Select **Create group**. Enter the name for the group and your screen name to be used in this group. Add the contacts from the contacts list to the private group list. The online contacts are indicated by . You need to send an invitation to the new members in the group. When the phone displays **Invitation:**, key in the text for the invitation.

■ Voice messages

The voice mailbox is a network service. For more information and for your voice mailbox number, contact your service provider.

Press **Menu**, and select **Messages** → **Voice messages** and one of the following options:

- **Listen to voice messages** — to call your voice mailbox. If you have two phone lines available (network service), each phone line may have its own voice mailbox number.
- **Voice mailbox number** — to save your voice mailbox number. Key in, search for, or edit your voice mailbox number, and press **OK** to save it.

■ Info messages

With the *Info messages* (network service) you can receive messages on various topics from your service provider. These messages may include, for example, reports on weather or traffic conditions. To check availability, topics and the relevant topic numbers, contact your service provider.

■ Message settings

Settings for text messages and SMS e-mail

Press **Menu**, and select *Messages* → *Message settings* → *Text messages*. Select from the following:

- *Sending profile* — If more than one message profile set is supported by your SIM card, select the set that you want to change. For example, you can set the message center number, select the message type, and select GPRS to send the message.
- *Overwriting in sent items* or *Overwriting in inbox* — to set the phone to replace the old text messages with new ones in the *Sent items* or *Inbox* folder when the text message memory is full.

Settings for multimedia messages

You may receive the multimedia connection settings as an over the air message from the network operator or service provider. See Over the air settings service on page 21.

Keying in the settings manually

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

- To set the phone to save sent multimedia messages in the *Sent items* folder, select *Save sent messages*.
- To ask the network to send delivery reports about your messages (network service), select *Delivery reports*.

Messages

- To define the image size when you insert the image to a multimedia message, select *Scale image down*.
- To select the default value for timed slides, select *Default slide timing*.
- To receive or to block multimedia messages, select *Allow multimedia reception*, and *Yes* or *No* respectively.
To receive multimedia messages only in your home network, select *In home network* (default setting).
- To set the phone to automatically fetch newly received multimedia message or to reject it from receiving them, select *Incoming multi-media messages*, and *Retrieve* or *Reject* respectively. This setting is not shown if *Allow multimedia reception* is set to *No*.
- To define connection settings for retrieving multimedia messages, select *Connection settings* → *Active multimedia settings*, and activate the set in which you want to save the connection settings.
- To edit the active settings, select *Edit active multi-media 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.
- To receive or reject advertisements, select *Allow adverts* → *Yes* or *No*. This setting is not shown if *Allow multimedia reception* is set to *No*.

E-mail settings

You may receive the e-mail settings as an over the air message from the network operator or service provider. See Over the air settings service on page 21.

1. Press **Menu**, and select *Messages* → *Message settings* → *E-mail messages*.
2. Select *Active e-mail settings*, and activate the set in which you want to save the settings.

Messages

3. 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.

■ Service commands

You can send service commands, also known as USSD commands, to your service provider for activating network services.

7. Contacts

You can save names and phone numbers (Contacts) in the phone memory or in the SIM card memory.

The phone supports presence enhanced contact (network service) containing *My presence* and *Subscribed names*. In the *My presence* menu you can publish your current availability status to communicate to anyone who has access to this service and who is requesting this information. In the *Subscribed names* menu you can create a list of contacts whose presence status you would like to see and you can also use this list to quickly view their availability status.

■ Settings for contacts

Press **Menu**, and select *Contacts* → *Settings* to select from the following options:

- *Memory in use* — to select the memory that you want to use for your contacts. If you select *Phone and SIM*, you can view contacts in both memories but the names and numbers will be saved in the phone memory.
- *Contacts view* — to select how the contacts are displayed.
- *Memory status* — to view the status of both memories for contacts.


■ Adding contacts


Names and numbers are saved to the memory in use. See Settings for contacts on page 48.

Press **Menu**, and select *Contacts* → *Add contact*. Enter the name and phone number.

■ Saving multiple numbers and text items

You can save different types of phone numbers and short text items for a contact in the phone memory for contacts. A text item may be, for example, an address.

The first number you save is automatically set as the default number, and it is indicated with 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. Ensure that the memory in use is either *Phone* or *Phone and SIM*. See Settings for contacts on page 48.
2. To access the list of names and phone numbers, press  in standby mode.
3. Scroll to the name to which you want to add a new number or text item.
4. Press **Details** and **Options**, and select *Add number* or *Add detail*.
5. To add a number or detail, select a number type or text type.

If you are connected to the presence service, and 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 on the server of the operator or service provider. See My presence on page 51. If only one ID is found, it is automatically saved.

Otherwise, to save the ID, press **Options**, and select *Save*. Select *Enter ID manually*, and enter the ID.


To change the number or text type, press **Options**, and select *Change type*. You cannot change the type of an ID when it is in the *Chat contacts* or *Subscribed names* list.

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


6. Key in the number or text item, and press **OK** to save it.




■ Adding an image

You can add an image in a supported format to a certain number of contact saved in the phone memory. You cannot add images to all of the contacts.

Press  in standby mode, scroll to the desired contact, press **Details** → **Options**, and select *Add image*. Open the desired folder in the *Gallery*, scroll to the image that you want to add, press **Options**, and select *Save to contacts*.

■ Searching for a contact

Press  in standby mode, or press **Menu**, and select *Contacts* → *Search*. You can key in the first characters of the name for which you are searching in the pop-up window.

Press  and  to scroll to the name that you want. If the contact is saved in the SIM card memory,  is shown on the top of the display. Press **Details**, and scroll to view the details of the selected contact.

Subscribed names are shown differently, depending on the *Contacts view* selection. See Settings for contacts on page 48.

■ Editing or deleting contact details

Search for the contact, and press **Details**. Scroll to the name, number, text item, or image that you want to edit or delete.

- To edit, press **Edit** or **Change**, or press **Options**, and select *Edit name*, *Edit number*, *Edit detail*, or *Change image*. You cannot edit or delete an ID when it is in the *Chat contacts* or *Subscribed names* list.
- To delete a number, text item, or an image, press **Options**, and select *Delete number*, *Delete detail*, or *Delete image*.

■ Deleting contacts

Press **Menu**, and select *Contacts* → *Delete* to delete contacts and all the details attached to them.

Contacts

To delete contacts one by one or all at once, select *One by one* or *Delete all*.

■ My presence

With the presence service (network service), you can share your presence status with other users, for example, your family, friends, and colleagues. Presence status includes availability, status message, and personal logo. Other users who have access to the service and are requesting your information, are able to see your status. The requested information is shown in *Subscribed names* in the viewers' *Contacts* menu. You can personalize the information that you want to share with others and control who can see your status.

Before you can use presence, you need to subscribe to the service. To check the availability and costs, and to subscribe to the service, contact your network operator or service provider, from whom you also receive your unique ID, password, and the settings for the service. See Chat and my presence settings on page 65.

To use presence, connect to the service. While you are connected to the presence service, you can use the other functions of the phone, and the presence service is active in the background. If you disconnect from service, your presence status is shown for a certain amount of time for the viewers depending on the service provider.

Press **Menu**, and select *Contacts* → *My presence*.

Select from the following options:

- *Connect to 'My presence' service* or *Disconnect* — to connect to or to disconnect from the service.
- *My current presence* — Select, for example, to view your current private or public status, to change your presence status, or to select groups with whom you want to share your presence status information.

Contacts

- **Viewers** — Select to view all the persons who are subscribed to, who are allowed to view, or who are blocked from viewing your presence information.
- **Settings** — Select *Show current presence in idle* to show the current status indicator in standby mode.

Select *Synchronise with profiles* to select whether you want to update *My presence message* and *My availability* manually or automatically by linking them to the currently active profile. See Profiles on page 59. Note that you cannot link a personalized status logo to a profile.

Select *Connection type* to select how the phone connects to the presence service when it is switched on.

Select *Chat and my presence settings*. See Chat and my presence settings on page 65.

■ Subscribed names

You can create a list of contacts whose presence status information you want to be available. You can view this information only if it is allowed by your contacts or the network.

Ensure that the memory in use is *Phone* or *Phone and SIM*. See Settings for contacts on page 48.

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

Adding contacts to the subscribed names

1. Press **Menu**, and select *Contacts* → *Subscribed names*.
2. If your list of contacts is empty, press **Add**.
Otherwise, press **Options**, and select *Subscribe new*. Your contacts list is shown.
3. Select a contact from the list. If the contact has a saved ID, the contact is added to the subscribed names list.







Tip: To subscribe to a contact from the *Contacts* list, search for the contact, press **Details**, and press **Options**. Select *Request presence* → *As subscription*.

To view only the presence information, select *Request presence* → *One time only*.

Viewing the subscribed names

See Searching for a contact on page 50. To view the presence information:

1. Press **Menu**, and select *Contacts* → *Subscribed names*.
The status information of the first contact in the subscribed names list is displayed. The information that the person wants to make available to others may include text and an icon. The , , and  icons indicate that the person is either available, not visible to others, or not available.  indicates that the person's presence information is not available.
2. Press **Options**, and select from the list of options.

Unsubscribing a contact

To unsubscribe a contact, search for the contact in the *Contacts* list, and press **Details**. Select the user ID, press **Options**, select *Unsubscribe*, and press **OK**.

■ Copying contacts

Press **Menu**, and select *Contacts* → *Copy* to copy names and phone numbers from the phone memory to your SIM card memory and vice versa. Phone numbers other than the default number, or any text items, for example, an e-mail address saved with the internal number, are not copied to the SIM card.

■ Sending and receiving a business card

You can send and receive a person's contact information from a compatible device that supports the vCard standard as a business card.

When you have received a business card, press **Show** and **Save** to save the business card in the phone memory.

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

■ Voice dialing

You can make a phone call by saying a voice tag you recorded for a contact. Voice tags allow you to make calls without keying in the number.

You can add a certain amount of voice tags.

Before using voice tags, note that:



- Voice tags are not language-dependent. They are dependent on the speaker's voice.
- You must say the name exactly as you said it when you recorded it.
- Voice tags are sensitive to background noise. Record voice tags and use them in a quiet environment.
- Very short names are not accepted. Use long names and avoid similar names for different numbers.



Note: Using voice tags may be difficult in a noisy environment or during an emergency, so you should not rely solely upon voice dialling in all circumstances.


Adding a voice tag

You can record a voice tag for any contact in the phone memory. Save or copy into the phone memory the contacts for which you want a voice tag.

1. In standby mode, press , and scroll to the contact to which you want to add a voice tag.
2. Press **Details**, scroll to the desired phone number, press **Options**, and select *Add voice tag*.
3. Press **Start**, and speak clearly the words for the voice tag. After recording, the phone plays the recorded voice tag.
 appears after the phone number with a voice tag in *Contacts*.

Making calls with voice tags

If the phone has an application running that is sending or receiving data using the (E)GPRS connection, you must end the application before using voice tags.

In standby mode, press and hold the volume-down key, or press and hold the selection key . Speak the voice tag clearly. The phone plays the voice tag if it is recognized, and dials the phone number of the voice tag after 1.5 seconds.

■ Other functions

Press **Menu**, and select *Contacts*.

Select from the following options:

- *Speed dials* — to assign a number to a speed-dialling key. Scroll to the speed-dialling key number, press **Assign**, or if a number has already been assigned to the key, press **Options**, and select *Change*. Search for and select the name and number that you want to assign. See Call settings on page 63.
- *Voice tags* — to listen to, delete, or change the deleted voice tags.

C o n t a c t s

- *Info numbers* or *Service numbers* — (network services) to call the numbers that your service provider may have included in your SIM card.
- *My numbers* — to view the numbers assigned to your SIM card if this is allowed by the card.
- *Caller groups* — to arrange the names and phone numbers saved in *Contacts* into caller groups. For each caller group, you can set, for example, the phone to sound a specific ringing tone when you receive a call from a phone number in the group. See Tone settings on page 59.

8. Call register

You can view the phone numbers of missed, received, and dialed 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 service area.

■ Recent call lists

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

- To view the list of the last 20 phone numbers from which somebody has unsuccessfully tried to call you (network service), select *Missed calls*.
- To view the list of the last 20 phone numbers from which you have most recently accepted calls (network service), select *Received calls*.
- To view the list of the 20 phone numbers that you have most recently called or attempted to call, select *Dialled numbers*.
- To delete the recent call lists, select *Delete recent call lists*.

■ Call counters and call timers



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

- To view the approximate duration of the calls, select *Call duration*.
- To view the approximate amounts of data that were sent or received in the last session, to view the total amount of data sent and received, and to clear the counters, select *GPRS data counter*.
- To view the approximate duration of the last GPRS connection, to view the total GPRS connection time, and to clear the timers, select *GPRS connection timer*.

■ Positioning

The network may send you a location request.

You can ensure that the network will deliver location information of your phone only if you approve it (network service). Contact your network operator or service provider to subscribe to and agree upon the delivery of location information.

- To accept or reject the location request, press **Accept** or **Reject**. If you miss the request, the phone automatically accepts or rejects it according to what you have agreed with your network operator or service provider. The phone displays *1 missed position request*. To view the missed location request, press **Show**.
- To view the information on the 10 most recent privacy notifications or requests, press **Menu**, and select *Call register* → *Positioning* → *Position log*.

9. Settings

■ Profiles

You can customize tones with preset profiles for different events, environments, or caller groups.

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

- To activate the selected profile, select *Activate*.
- To set the profile to be active for a certain amount of time up to 24 hours, select *Timed*, and set the end time. When the time set for the profile expires, the previous profile that was not timed becomes active.
- To personalize the profile, select *Personalise*. Select the setting that you want to change, and make the changes. The same settings can also be changed in the *Tone settings* menu. To change your presence status information, select *My presence*. This menu is available if you have set *Synchronise with profiles* to *On*. To rename a profile, select *Profile name*. The *General* profile cannot be renamed.

■ Tone settings

You can adjust ringing tones, alert and warning tones, and keypad tones.

Press **Menu**, and select *Settings* → *Tone settings*. You can find the same settings in the *Profiles* menu. Note that the settings you select will change the settings in the active profile.

You can select, for example, how the phone notifies you of an incoming voice call, select the ringing tone for incoming calls and messages, set the push to talk notification tones and voice status, set the ringing volume, and set the phone to ring only for calls from phone numbers that belong to a selected caller group.

■ Display settings

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

Select *Wallpaper* to add a background image to your phone in standby mode, *Colour schemes* to change the color in some display components, and *Operator logo* to display or hide the operator logo. Select *Screen saver time-out* to set the timeout period after which the screen saver is activated, *Display contrast* to change the contrast of the display, and *Menu view* to set the way the phone displays the main menu.

■ Time and date settings

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

Select *Clock* to set the time and time zone, and *Date* to set the date and if they are shown on the display in standby mode. Select *Auto-update of date & time* (network service) to set the phone automatically update the time and date according to the current time zone. Note that updating may cause some alarms that you have set to expire. The information on availability, contact your network operator or service provider.

■ Personal shortcuts

To select a function for the right selection key and add voice commands for some functions, press **Menu**, and select *Settings* → *Personal shortcuts*.

- To select a function for the right selection key, select *Right selection key*. Scroll to a function and select it.
- To add voice commands, select *Voice commands* and a command folder. Select a function to which you want to add a voice tag, and press **Add**. You can add voice tags for up to ten functions of your choice. To activate a voice command, Note that during a call, or when an application using the (E) GPRS connection is sending or receiving data, you cannot activate a voice command or add a voice tag.

■ Connectivity

Infrared

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

To use an IR connection, the compatible device with which you want to establish a connection must be IrDA compliant.

When sending and receiving data using 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 IR connection is 1 meter (3.28 feet) at most.

To activate the IR port of your phone to receive data using IR, press **Menu**, and select **Settings** → **Connectivity** → **Infrared**. If the data transfer is not started within 2 minutes after the activation of the IR port, the connection is canceled and must be restarted.

GPRS

General Packet Radio Service (GPRS) is a network service that allows mobile phones to be used for sending and receiving data over an Internet protocol (IP) -based network. GPRS enables wireless access to data networks such as the Internet.

Enhanced GPRS (EGPRS), uses enhanced data rates for global evolution (EDGE), a radio interface modulation technique, to increase the data rates of GPRS.

The functions of your phone that may use (E)GPRS are messaging, browsing pages, e-mail, remote synchronization, application downloading, and the PC dialup (for example, Internet and e-mail).

Before you can use (E)GPRS technology:

Settings

1. Contact your network operator or service provider to check availability, to subscribe to the (E)GPRS service, and to obtain information on data transfer speed and pricing.
2. Save the (E)GPRS settings for each application that uses (E)GPRS.

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

GPRS connection

To define the settings for (E)GPRS connections, press **Menu**, and select *Settings* → *Connectivity* → *GPRS* → *GPRS connection*.

- To set the phone to automatically register to an (E)GPRS network when you switch on the phone, select *Always online*. When you start an application using (E)GPRS, the connection between the phone and the network is established. When you exit the application, the (E)GPRS connection ends, but your phone is still registered to the (E)GPRS network. Note that the indicator for GPRS and EGPRS is the same.
- To set the phone to register to an (E)GPRS network and establish an (E)GPRS connection when an application using (E)GPRS requires it, select *When needed*. The (E)GPRS connection will close when you exit the application.

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

GPRS modem settings

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

Settings






To define the settings for (E)GPRS connections from the PC, press **Menu**, and select *Settings* → *Connectivity* → *GPRS* → *GPRS modem settings*.

- To activate the access point that you want, select *Active access point*.
- To change the access point settings, select *Edit active access point*. Contact your network operator or service provider for the access point name (APN).

You can also set the (E)GPRS dial-up service settings (access point name) on the PC using the Nokia Modem Options software. If you have set the settings both on the PC and on the phone, note that the PC settings will be used.

■ Call settings

Press **Menu**, and select *Settings* → *Call settings*.

- *Call divert* — (network service) to direct your incoming calls to another number such as your voice mailbox (network service).
- *Automatic volume control* — Select *On* to automatically set the volume of the earpiece at a certain level that you have set with the volume keys.
- *Anykey answer* — Select *On*, and you can answer an incoming call by briefly pressing any key except the power key, the push to talk key, the selection keys  and , and .
- *Automatic redial* — Select *On*, and the phone will make a maximum of 10 more attempts to connect the call after an unsuccessful call attempt.
- *Speed dialling* — Select *On*, and the names and phone numbers assigned to the speed-dialling keys, from  to , can be dialled by pressing and holding the corresponding number key.
- *Call waiting* — Select *Activate*, and the network notifies you of an incoming call while you have a call in progress (network service).

Settings

- *Summary after call* — Select *On*, and the phone briefly displays the approximate duration and cost (network service) after each call.
- *Send my caller ID* — Select *Yes*, and your phone number is 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 phone lines 1 or 2 for making calls.

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

■ Phone settings

Press **Menu**, and select *Settings* → *Phone settings*. Select from the following settings:

- *Language settings* — To set the language for the display texts, select *Phone language*. If *Automatic* is selected, the phone selects the language according to the information on the SIM card.

To use another language for writing text, select *Writing language*.

- *Memory status* — to view the amount of free and used memory for each function.
- *Automatic keyguard* — to lock the keypad to avoid accidental key presses. During a call, the phone operates normally. When you end or reject a call, the keypad remains locked.
- *Security keyguard* — to set the phone to ask for the security code when you unlock the keyguard.
- *Cell info display* — to indicate when you use the phone in a cellular network based on Micro Cellular Network (MCN) technology (network services).
- *Welcome note* — to key in a personal note that is shown briefly when you switch on the phone.

Settings

- **Operator selection** — to set the phone to automatically select cellular networks available in your area.

If you select **Manual**, you can choose a network that has a roaming agreement with your home service provider.

- **Confirm SIM service actions** — to confirm messages sent between your phone and your service provider.

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

- **Help text activation** — to set the phone to show help texts. Help texts provide information on using features of the phone.
- **Start-up tone** — to play a tone when the phone is switched on.

■ Chat and my presence settings

For availability of the settings for **Chat** and **My presence**, contact your network operator or service provider. You can receive the chat and presence settings over the air. See Over the air settings service on page 21.

Editing and activating the settings

1. Press **Menu**, and select **Settings** → **Chat and my presence settings**.
2. To key in the settings, select **Current chat and presence settings**, scroll to the set you would like to activate, and press **Activate**.
3. Select **Edit current chat and presence sett.** Select each of the settings one by one, and key in all the required settings according to the information that you received from your network operator or service provider. Note that the connection settings are in the **Connection settings** menu.

■ Enhancement settings

The enhancement settings menu appears only if the phone has been or is currently connected to a compatible mobile enhancement, such as the handsfree unit.

Settings

Press **Menu**, and select [Settings](#) → [Enhancement settings](#). You can select an enhancement if the corresponding enhancement is or has been connected to the phone. For some enhancements, you can select options that can be activated automatically when you connect the enhancement.

■ Security settings

Security settings contains settings for access codes and other security features.

When security features that restrict calls are in use (such as call barring, closed user group and fixed dialing) calls still may be possible to the official emergency number programmed into your device.

Press **Menu**, and select [Settings](#) → [Security settings](#).

Select from the following options:

- [PIN code request](#) — to set the phone to request your PIN code every time the phone is switched on.
- [Call barring service](#) (network service) — to restrict calls.
- [Fixed dialling](#) — to restrict your outgoing calls and text messages to selected phone numbers if this function is supported by your SIM card.

When fixed dialling is on, (E)GPRS connections are not possible except while sending text messages over an (E)GPRS connection; the recipient's phone number and the message center number must be included in the fixed dialling list.

- [Closed user group](#) (network service) — to specify the groups of people whom you can call and who can call you.
- [Security level](#) — to set the phone to ask for the security code whenever a new SIM card is inserted into the phone, select [Phone](#).

To set the phone to ask for the security code when the SIM card memory is selected, when you change the memory in use or copy from one memory to another, select [Memory](#).

- [Access codes](#) — to change access codes.

■ Restore factory settings

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

1. Press **Menu**, and select *Settings* → *Restore factory settings*.
2. Key in the security code, and press **OK**.

Note that the data that you keyed in or downloaded is not deleted, for example, the names and phone numbers saved in *Contacts*.

10. Gallery


You can save images and ringing tones that, for example, have been received in multimedia messages in the folders of the gallery.

Your phone supports a Digital Rights Management (DRM) 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, the number of usage times and a certain usage period. The rules are defined in the content's activation key, which can be delivered either together with the content or independently depending on the service provider. You may be able to update these activation keys. Always check the delivery terms of any content and activation key before acquiring them, as they may be subject to a fee. The gallery uses shared memory. See Shared memory on page 7.

■ Folders in the gallery

1. Press **Menu**, and select **Gallery**.
2. Open a folder to view the files in it, or press **Options** and select an option for the folder.
 - Select **Add folder**, **Delete folder**, **Move**, **Rename folder**, **Details**, **Type of view**, or **Sort**. You cannot delete, rename, or move the original folders on the phone.
 - Select **Memory status** to view the memory consumption information of the phone.
 - Select **Activation key list** to view the list of all available activation keys. You can delete the expired activation keys, for example.
 - Select **Downloads** to download more images and tones.
To check the availability of different services, pricing, and tariffs, contact your network operator and/or service provider. Download content only from sources you trust.

Gallery

3. If you opened a folder, scroll to the desired file. To view the file, press **Open**, or to send the file using MMS, press . The phone can play video clips in 3GP format (H.263 baseline and MPEG-4 simple profile).

Press **Options**, and select the desired option from the list.

11. Media

■ Camera

You can take photos with the built-in camera.

The camera lens is on the back of the phone, and the main display of the phone works as a viewfinder. The camera produces images in JPEG format and video clips in H.263 (SubQCIF) format.

Taking a photo

1. Press **Menu**, and select *Media* → *Camera*.
2. To take a standard photo, select *Standard photo*, or to take a photo that you can add to a name or phone number saved in contacts, select *Portrait photo*. If the lighting is dim, select *Night mode*.
3. The image appears on the display, which is used as the viewfinder.
To take 5 photos in quick succession, press **Options**, and select *Image sequence*.
4. To capture and save a photo, press **Capture**. The phone saves the photo in the *Images* folder in the *Gallery* menu.
After a photo is saved, press **Options**, and you can select from the list of options.
5. To take another photo, press **Back**, or to delete the taken photo, press **Delete**.

Recording a video clip

1. Press **Menu**, and select *Media* → *Camera* → *Video*.
2. To start recording a video clip, press **Record**.
To pause the recording, press **Pause**, and to resume the recording, press **Continue**.

Media

3. To stop the recording, press **Stop**. The phone saves the recording in the *Video clips* folder of the *Gallery* menu.
4. To view the recording, press **Play**, to record another video clip, press **Back**, or to select from the list of options, press **Options**.

Camera settings

To adjust the camera settings in the *Camera* menu, select *Settings*, and select an option from the list. You can set the length of the video clips, and the camera sounds, image quality, and the default title.

■ Radio

The FM radio uses the wire of the headset as an antenna. A compatible headset needs to be attached to the device for the FM radio to function properly.



Warning: Listen to music at a moderate level. Continuous exposure to high volume may damage your hearing.

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

Turning the radio on and off

1. To turn on the radio, press **Menu**, and select *Media* → *Radio*.
2. If you have saved radio channels, scroll to the channel you want to listen to, or select a radio channel location 1 to 9 by pressing the corresponding number key.



When using the compatible headset supplied with the headset key, press the key to scroll to the saved radio channel you want.

3. To turn off the radio, press **Options**, and select *Switch off*.



Tip: To turn off the radio quickly, press and hold

Tuning a radio channel

When the radio is on, press and hold  or  to start the channel search. Searching stops when a channel is found. To save the channel, select **Save channel**. Key in the name of the channel, and press **OK**. Select the location where you want to save the channel.

Using the loudspeaker



Warning: Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

When the radio is on, press **Options**, and select **Loudspeaker** to listen to the radio using the loudspeaker. Keep the headset connected to the phone.

■ Voice recorder

You can record speech, sound, or an active call for up to 3 minutes. For example, this is useful when recording a name and phone number to be written down later. You can also set a recording as a ringing tone.

The recorder cannot be used when a data call or GPRS connection is active.

Recording sound

1. Press **Menu**, and select **Media** → **Voice recorder**.
2. To start the recording, select **Record**. To start recording a call, press **Options**, and select **Record**. While recording a call, hold the phone in the normal position near your ear. All parties to the call will hear a faint beep approximately every 5 seconds.
3. To end the recording, press **Stop**. The recording is saved in the **Recordings** folder of the **Gallery** menu.

12. Push to talk

Push to talk over cellular (PTT) is a two-way radio service available over a GSM/GPRS cellular network. Push to talk provides direct voice communication connected with the push of the PTT key.

You can use push to talk to have a conversation with one person or with a group of people having compatible devices. When your call is connected, the person or group you are calling does not have to answer the phone. Besides the GPRS counters, the phone registers only one-to-one calls in the recent call lists in [Call register](#). The participants should confirm the reception of any communications where appropriate as there is no other confirmation whether the recipient(s) have heard the call.

To check availability and costs, and to subscribe to the service, contact your network operator or service provider. Note that roaming services may be more limited than for normal calls.

Before you can use the push to talk service, you must define the required push to talk service settings.

While you are connected to the push to talk service, you can use the other functions of the phone. The push to talk over cellular service is not connected to traditional voice communication, and therefore many of the services available for traditional voice calls (for example, voice mailbox) are not available for push to talk over cellular communications.

■ Opening the push to talk menu

Press **Menu**, and select [Push to talk](#). The push to talk menu selection list is shown.

- To connect to or disconnect from the push to talk service, select [Switch PTT on](#) or [Switch PTT off](#).
- To view the received callback requests, select [Callback inbox](#).
- To view the list of push to talk groups, select [Group list](#).

Push to talk

- To view the list of contacts to which you have added the push to talk address, select [Contacts list](#).
- To add a new push to talk group to the phone, select [Add group](#).
- To set the required settings for the push to talk function, select [Settings](#).
- To open the browser and to connect to the push to talk network portal provided by the service provider, select [Services](#).

■ Settings for push to talk

There are two kinds of push to talk settings: settings for use and service settings.

Settings for use

Press **Menu**, and select [Push to talk](#) → [Settings](#) → [PTT settings](#).

- To select the phone to allow the reception of incoming one-to-one calls, select [1 to 1 calls](#) → [On](#). If you select [Off](#), you can make but not receive one-to-one calls. Note that the service provider may offer some services that override these settings. To set the phone to first notify you of incoming one-to-one calls with a ringing tone, select [1 to 1 calls](#) → [Notify](#).
- To activate the listened groups, select [Listened groups](#) → [On](#).
- To set the phone to automatically connect to the push to talk service when you switch the phone on, select [PTT status in startup](#) → [Yes](#).
- To hide your push to talk address from group and one-to-one calls, select [Send my PTT address](#) → [No](#).
- You can also select settings for push to talk tones in the [Tone settings](#) menu. To select the phone to use loudspeaker or earpiece for push to talk communication, select [Tone settings](#) → [Push to talk settings](#) → [Voice options](#) → [Loudspeaker](#) or [Headset](#). If you select [Do not disturb](#), you cannot make or receive any push to talk calls.



Push to talk service settings

For availability of settings for the push to talk service, contact your network operator or service provider. You may receive the settings over the air. See *Over the air settings service* on page 21.

Editing and activating the settings

1. Press **Menu**, and select *Push to talk* → *Settings*.
2. To key in the settings, select *Active service settings*, scroll to the set you would like to activate, and press **Activate**.
3. Select *Edit active service settings*. Select each of the settings one by one, and key in all the required settings according to the information that you received from your network operator or service provider. Note that the *Connection settings* submenu contains the required connection settings.

■ Connecting to and disconnecting from the push to talk service

- To connect to the push to talk service, press **Menu**, and select *Push to talk* → *Switch PTT on*.  indicates the push to talk connection.  indicates that the service is temporarily unavailable. The phone automatically tries to reconnect to the service until you disconnect from the push to talk service. If you have added group(s) to the phone, you are automatically joined to the active (*Default* and *Listened*) groups, and the name of the default group is displayed in standby mode.
- To disconnect from the push to talk service, select *Switch PTT off*.

■ Making and receiving a push to talk call

Set the phone to use either loudspeaker or earpiece for push to talk communication. When the earpiece is selected, you can use the phone normally to your ear.

Push to talk



Warning: Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

Making a group call

To make or receive a group call, connect to the push to talk service.

To make a call to the default group, press the PTT key. A tone sounds indicating that the access is granted, and the phone displays your nickname and group name.

To make a call to a non-default group, select *Group list* in the push to talk menu, scroll to the desired group, and press the PTT key.

Press and hold the PTT key the entire time you are talking, and hold the phone in front of you so that you can see the display. When you have finished, release the PTT key. Talking is allowed on a first-come, first-served basis. When someone stops talking, the first person to press the PTT key can talk next.

Making a one-to-one call

One-to-one calls are calls you make to only one person, instead of a group.

- When connected to the push to talk service, you can make a one-to-one call in different ways: To start a one-to-one call from the list of contacts to which you have added the push to talk address received from the service provider, select *Contacts list*. Scroll to a contact, and press the PTT key.
- To start a one-to-one call from the list of push to talk groups, select *Group list*, and scroll to the desired group. Press *Options*, select *Active members*, scroll to the desired contact, and press the PTT key.
- To start a one-to-one call from the list of callback requests you have received, select *Callback inbox*. Scroll to the desired nickname, and press the PTT key.

Receiving a group or a one-to-one call

A short tone notifies you of an incoming group and one-to-one call. When receiving a group call, the group name and the nickname of the caller are displayed. When receiving a one-to-one call from a person whose information you have saved in [Contacts](#), the saved name is displayed if identified; otherwise, only the nickname of the caller is displayed.


You can either accept or reject an incoming one-to-one call if you have set the phone to first notify you of the one-to-one calls.

If you press the PTT key to try to respond to a group while another member is talking, you hear a queuing tone and [Queuing](#) is displayed as long as you press the PTT key. Press and hold the PTT key, and wait for the other person to finish, then you can talk.

■ Callback requests

Sending a callback request

If you make a one-to-one call and do not get a response, you can send a request for the person to call you back.

- You can send a callback request in different ways: To send a callback request from the contacts list in the [Push to talk](#) menu, select [Contacts list](#). Scroll to a contact, press **Options**, and select [Send callback](#).
- To send a callback request from the [Contacts](#), press  in standby mode, and scroll to the desired contact. Press **Details**, scroll to the push to talk address, press **Options**, and select [Send callback](#).
- To send a callback request from the group list in the [Push to talk](#) menu, select [Group list](#), and scroll to the desired group. Press **Options**, select [Active members](#), scroll to the desired contact, press **Options**, and select [Send callback](#).
- To send a callback request from the callback request list in the [Push to talk](#) menu, select [Callback inbox](#). Scroll to a contact, press **Options**, and select [Send callback](#).

Responding to a callback request

When someone sends you a callback request, *Callback request received* is displayed in standby mode.

1. To open the *Callback inbox*, press **View**. The nickname of the sender is shown.
2. To make a one-to-one call, press the PTT key.
3. To send a call request back to the sender, press **Options**, and select *Send callback*.

To delete the request, press **Delete**.


Saving the callback request sender

When you receive a callback request from someone who is not in your contacts list, you can save the name to your contacts.

1. To open the *Callback inbox*, press **View**. The nickname of the sender is shown.
2. To view the sender's push to talk address, press **Options**, and select *View PTT address*.

To save a new contact or to add the push to talk address to a contact, press **Options**, and select *Save as* or *Add to contact*.

■ Adding one-to-one contacts

- You can save the names of persons to whom you often make one-to-one calls. To add a push to talk address to a name in the *Contacts*: Press  in standby mode, scroll to the desired contact, and press **Details** → **Options**. Select *Add detail* → *PTT address*.
- To add a contact to the push to talk contacts list: To add the push to talk contact, open the push to talk menu, and select *Contacts list*. Press **Options**, and select *Add contact*.
- To add a contact from the group list: When connected to the push to talk service, select *Group list*, scroll to the desired group, and press **Options**. Select *Active members*, scroll to the member whose contact information you want to save, press **Options**, and select *Save as*.

■ Creating and setting up groups

When you call a group, all members joined to the group hear the call simultaneously.

Each member in the groups is identified by a user name given by the service provider. Group members can choose a nickname for each group, which is shown as a caller identification.

Groups are registered with a URL address. One user registers the group URL in the network by joining the group session the first time.

There are three types of push to talk groups:

- Provisioned groups are closed groups that allow only selected participants provisioned by the service provider to join in the groups.
- Ad hoc groups are groups that the users can create. You can create your own group, and invite members to the group.
- Ad hoc pro groups; you can create your own group from members in a provisioned group. For example, a business can have a closed group, plus separate groups created for certain business functions.

Adding a group

1. Press **Menu**, and select *Push to talk* → *Add group* → *Guided*.
2. To set the security level for the group, select *Open group* or *Secured group*.
3. Key in the name for the group, and press **OK**.
4. Select the status for the group: *Default*, *Listened*, or *Inactive*.
5. To send an invitation to the group, press **Yes** when the phone requests for sending an invitation. You can send the invitation using a text message or infrared.

The members you invite to the open groups can also invite more members to the group.

Receiving an invitation

When you receive a text message invitation to a group, *Group invitation received:* is displayed.

1. To view the nickname of the person who sent the invitation and the group address if the group is not a secured group, press **View**.
2. To add the group to your phone, press **Save**, and to set the status for the group, select *Default*, *Listened*, or *Inactive*.

To reject the invitation, press **Exit** → **Yes**, or press **View** → **Discard** → **Yes**.

13. Organizer

■ Alarm clock

Setting the alarm time and tone

The alarm clock works even if the phone is switched off if there is enough power in the battery.

1. To set the alarm, press **Menu**, and select *Organiser* → *Alarm clock* → *Alarm time*.
2. To set a tone for the alarm, select *Alarm tone*.

To select the radio as an alarm tone, connect the headset to the phone. The channel most recently selected is the alarm tone. The radio alarm is played through the loudspeaker even though the headset is connected. If the headset is removed, the default alarm tone replaces the radio.

When the alarm time expires

If the alarm time is reached while the device is switched off, the device switches itself on and starts sounding the alarm tone. If you press **Stop**, the device asks whether you want to activate the device for calls. Press **No** to switch off the device or **Yes** to make and receive calls. Do not press **Yes** when wireless phone use may cause interference or danger.


When the alarm tone sounds while the phone is switched on, the display flashes *Alarm!* and shows the current time. To turn off the alarm, press **Stop**. To stop the alarm for ten minutes, press **Snooze** or any key except **Stop**.



■ Calendar

You can track appointments, meetings, birthdays, anniversaries, and other events. You can set a calendar alarm as a reminder.

Organizer

Press **Menu**, and select *Organiser* → *Calendar*. Scroll to the day that you want. The current day is indicated by a frame around it. If any notes are set for the day, the day is shown in bold.

- To view the notes for the day, press **View**. To view a single note, press **View**. If you set an alarm for a note, the indicator  is displayed. If there are no notes for the day, press **Add note** to add one.
- To view an entire week, press **Options**, and select *Week view*.
- To add a new note, press **Options**, and select *Make a note*.
- To set the date, time, or first day of the week, press **Options**, and select *Settings*. To delete old notes automatically after a specified time, select *Auto-delete*. The repeated notes, for example, birthday notes, will not be deleted.

When the phone sounds an alarm for a note, press **View**, and the phone displays the note. If the phone displays a call note , you can call the number by pressing .

■ To-do list

You can save a note for a task that you have to do, select a priority level for the note, and mark it as done when you have completed it. You can sort the notes by priority or by date.

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

To add a new note when the note list is empty, press *Add note*, or if you have saved notes, press **Options**, and select *Add*. Key in the note, and press **Save**. Select the priority for the note. The phone automatically sets the deadline without an alarm for the note. To change the deadline, view the note and select the option for deadline.

■ Notes

You can write and send notes to compatible devices with infrared, text messaging, or multimedia messaging.

Press **Menu**, and select *Organiser* → *Notes*.

Organizer

- To create a note if the list of notes is empty, press **Add note**. If you already have notes saved, press **Options**, and select *Make a note*, key in the note, and save it.
- To add the current time and date to a note when you are keying in a note, press **Options**, and select *Insert time & date*.

■ Synchronization

If you save data on a remote and compatible Internet server, you can synchronize your phone by starting the synchronization from the phone. Synchronizing to the remote server is a network service. You can also synchronize the data in your phone contacts and calendar to correspond with the data of a compatible PC by starting the synchronization from the PC. The contact data in your SIM card will not be synchronized. Note that answering an incoming call during synchronization will end the synchronization, and you must restart it.

Synchronizing from the phone

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

1. Subscribe to a synchronization service. For more information on availability and the synchronization service settings, contact your network operator or service provider.
2. Retrieve the synchronization settings from your network operator or service provider. See Synchronization settings on page 84.
3. Set the connection settings you need for the synchronization. See Saving service settings on page 95.

To start the synchronization from the phone:

1. Activate the connection settings you need for the synchronization. See Saving service settings on page 95.
2. Press **Menu**, and select *Organiser* → *Synchronisation* → *Settings* → *Active Internet sync settings*. Scroll to the set that you wish to activate, and press **Activate**. You can mark the

Organizer

data to be synchronized. See Synchronization settings on page 84.

3. Press **Menu**, and select *Organiser* → *Synchronise*.
4. The marked data of the active set is synchronized after confirmation.

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

Synchronization settings

You may receive the synchronization settings as an over-the-air message from the network operator or service provider. See Over the air settings service on page 21.

Keying in the settings manually

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

You must activate the set where you want to save the synchronization 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.

To key in the user name and password for server alerted synchronization, select *PC sync settings*.

The user name and password must be the same in the phone and in the PC.

Synchronizing from a compatible PC

To synchronize the contacts and calendar from a compatible PC, use either an infrared connection or a data cable. You must also have the PC Suite software installed on the PC. Start the synchronization from the PC using PC Suite.

■ Wallet

In *Wallet*, you can save personal information such as credit card numbers, user names, or passwords. You can easily retrieve data and automatically fill in data fields while you are making purchases online.

The data saved in the wallet is protected with a code that you define when you access the wallet for the first time.

1. When *Create wallet code*: is displayed, key in the code (4 to 10 digits) you choose, and press **OK**.
 2. When *Verify wallet code*: is displayed, key in the code again, and press **OK**.
- To delete the wallet code and all contents of the wallet, key in *#7370925538# (*#res wallet# in letters) while in standby mode. You also need your security code.
 - To add or edit contents, access the wallet menu.
 - To use the contents of the wallet in a mobile service, access *Wallet* from the browser.

Accessing the wallet menu

To access the *Wallet* menu, press **Menu**, and select *Organiser* → *Wallet*. Key in your wallet code, press **OK**, and select from the list of options:

- *Wallet profiles* — to create card combinations for different services.

A wallet profile is helpful when the service requires you to fill in many data items. You can select the appropriate wallet profile instead of selecting different cards separately.

- *Cards* — to save personal card information.
- *Tickets* — to save notifications of e-tickets you have bought. To view the tickets, press **Options**, and select *View*.
- *Receipts* — to save receipts of purchases.
- *Personal notes* — to save personal information you want to keep protected by using the wallet PIN code.

Organizer

- **Settings** — to change the wallet code, and set the RFID (radio frequency identification) code.

Saving card details

1. Press **Menu**, and select **Organiser** → **Wallet**, enter the wallet code, press **OK**, and select **Cards**.
2. Select the card type to save details.
3. To add cards if no card is added, press **Add new**; otherwise, press **Options**, and select **Add new**. Fill in the fields with details.

If your service provider supports over-the-air services, you can receive card information to your phone. The notification tells you to which category the card belongs. Save or discard the received card. You can view and rename the card, but you cannot edit it. Check with your service provider for availability.

Personal notes

You can add personal notes to save account numbers, codes, or notations.

- To create a personal note, access the wallet, and select **Personal notes**. If no note is added, press **Add new**; otherwise, press **Options**, and select **Add new**.
- To view a note, scroll to the desired note, and press **View**.
- To edit a displayed note, press **Edit**.

While viewing a note, press **Options**, and select from the following:

- **Send via text msg.** — sends the note as a text message.
- **Copy to calendar** — saves the note in the calendar as a memo.
- **Use detail** — extracts numbers, e-mail addresses, and web addresses from a note.
- **Delete** — deletes the note.

Organizer

After you save the card details, you can combine them into a wallet profile. Wallet profiles can be used to retrieve data from different cards while browsing.

Creating a wallet profile

When you have saved your personal card details, you can combine them together into a wallet profile. Use the 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 if no profile is added, press **Add new**; otherwise, press **Options**, and select *Add new*.
3. Select the desired information from the wallet cards. When *Wallet profile name:* is displayed, enter a name for the profile.

Wallet settings

To change the wallet settings, access the wallet, and select *Settings*.


- To change the wallet code, select *Change code*.
- To set the RFID code (radio frequency identification), select *RFID*.

14. Applications

■ Games

In this menu you can use and manage the Java games installed in the phone.

Press **Menu**, and select *Applications* → *Games*.

- Press **Options**, and to download a game to the phone, select *Downloads*, or to set sounds, lights, and shakes for games, select *App. settings*.
- To select and open a game, scroll to the game or a game set, press **Open** or press . Press **Options** to select from the list of options.

Note that running games may consume the battery power faster. You may need to connect the phone to the charger.

■ Collection

In this menu you can use and manage the Java applications installed in the phone.

Managing the applications

To access the applications, press **Menu**, and select *Applications* → *Collection*. See Games on page 88.

Options for an application or application set

- *Delete* — to delete the application or application set from the phone.
- *App. access* — to restrict the application from accessing the network.
- *Update version* (network service) — to check if a new version of the application is available for download from *Services*.
- *Web page* — to provide further information or additional data for the application from an Internet page. This feature

Applications

needs to be supported by the network. It is only shown if an Internet address has been provided with the application.

- [Connect via](#) — to set the phone to use specific service settings if the application needs them. Your phone uses the service settings for the browser by default.
- [Details](#) — to give additional information about the application.

Downloading an application or a game



Important: Only install applications from sources that offer adequate protection against harmful software.

Your device may have some bookmarks loaded for sites not affiliated with Nokia. Nokia does not warrant or endorse these sites. If you choose to access them, you should take the same precautions, for security or content, as you would with any Internet site.

- The phone supports J2ME Java applications. Ensure that the application or game is compatible with your phone before downloading it. You can download new Java games or applications in different ways: Press **Menu**, and select [Applications](#) → [Games](#), press **Options**, and select [Downloads](#) → [Game downloads](#), or [Applications](#) → [Collection](#), press **Options**, and select [Downloads](#) → [App. downloads](#). Select [More bookmarks](#) to access the list of bookmarks in the [Services](#) menu. Select the appropriate bookmark to connect to the desired site. To check the availability of different services, pricing and tariffs, contact your network operator and/or service provider.
- Press **Menu**, and select [Services](#) → [Download links](#). Select to download an appropriate application or game.

Fitness coach

Fitness coach is an interactive personal trainer to help you improve your fitness level, strength, and endurance. Programs are created based on your personal data, whether for training indoors or outdoors.

Applications



Note: Fitness coach contains general information on personal fitness. It does not guarantee results. Consult your physician before starting any exercise program.

To begin using *Fitness coach*, press **Menu**, and select *Applications* → *Collection* → *Select application* → *Fitness coach*. Press **Open**.

Read the disclaimer, and select *Disclaimer accepted* or *Disclaimer rejected*.

The first time you use *Fitness coach*, enter your personal information, which includes your sex, birthday, measurement unit, height, weight, endurance level, and strength level. Additional data includes your maximum heart rate and resting heart rate.

Select a program with *Planner* to guide you through planning and setting goals for your fitness program. Or, you can select *Quick start* to immediately begin a program based on your personal profile.

■ Extras

Calculator

Performing a calculation




Note: This calculator has limited accuracy and is designed for simple calculations.

1. Press **Menu**, and select *Applications* → *Extras* → *Calculator*.
2. When '0' is displayed on the screen, key in the first number in the calculation. Press $\frac{\square}{0.000}$ to enter a decimal point.
3. Press **Options**, and select *Add*, *Subtract*, *Multiply*, *Divide*, *Square*, *Square root*, or *Change sign*. Alternatively, to add, subtract, multiply, or divide, press $\frac{\square}{*}$ repeatedly.
4. Key in the second number for the calculation, if needed.
For a total, press **Equals**.
5. To start a new calculation, press and hold **Clear**.

Applications

Converting currency

1. To save the exchange rate, press **Options**, and select *Exchange rate*.
2. 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 the currency conversion, key in the amount to be converted, and press **Options**.
4. Select the type of conversion you want: *In domestic* or *In foreign*.

Digital compass

The phone has a digital compass that shows direction both graphically and in digits.

The compass should always be properly calibrated.

Electromagnetic fields, large metal objects, and other external circumstances may reduce the accuracy of the compass. Never rely solely on the compass of the phone.

The proper calibration of the compass requires that you calibrate the compass against the magnetic north and set the declination value according to your location. The declination is the difference between the magnetic north and true north. The compass adjusts each direction with the set value.

You can find the declination values in special maps or lists of locations. Note that the declination value is dependent on both the location and time. Therefore, you should periodically check the correct value from up to date sources and always set the declination according to your location when using the compass. For more information on declination, see www.nokia.com.au/phones/5140/compass.

While using the compass, hold the phone horizontally by using the bubble level in the top left corner of the phone. The compass deactivates and goes into standby mode after a certain

Applications

time to save power; press **Continue** to activate the compass again. You can prevent the compass from going into standby mode by pressing a number key every few minutes.

You can use the flashlight when the compass is active.

Calibrating the compass

1. Press **Menu**, and select *Applications* → *Extras* → *Compass*.
2. If the phone requests you to calibrate the compass, *Compass must be calibrated first* is shown. Otherwise, press **Options**, and select *Calibration*.
3. To start the calibration, press **Yes**. Place the phone on a horizontal, level surface, and carefully rotate it; or, while holding it horizontally, slowly turn it around. Use the rotating graphic on the display to observe the speed of rotation. When the calibration is finished, *Compass calibrated* appears.

Setting the declination

1. Press **Menu**, and select *Applications* → *Extras* → *Compass*.
2. Press **Options**, and select *Settings* → *Declination* → *Set declination* to set the declination.
To activate the last set declination value, select *On*.
3. Key in the declination value in degrees from 0 to 180, and press **OK**.
4. Select the direction of the declination: *East* (+) or *West* (-).

Setting and resetting the direction

1. Press **Menu**, and select *Applications* → *Extras* → *Compass*.
2. To reset the direction of the intended destination, press **Reset** and **Yes**. Point the phone in the direction of the intended destination, and press **Set direc.**
3. The arrow points in the direction you have set, and the numeric value is shown at the top right of the display. When the arrow points up on the display, the phone is pointed in the correct direction.

Applications

Countdown timer

To start the countdown timer, press **Menu**, select *Applications* → *Extras* → *Countdown timer*, and press **Select**. Key in the alarm time, and press **OK**. If you want, write your own note that is displayed when the time expires.



To change the countdown timer, select *Change time*; or to stop the timer, select *Stop timer*.

If the set alarm time is reached when the phone is in standby mode, the phone sounds a tone and flashes the note you created or *Countdown time up*. To mute the alarm, press any key. If no key is pressed, the alarm stops within 30 seconds. To stop the alarm and delete the text note, press **Exit**. To set the countdown timer again, press **Restart**.

Stopwatch

Using the stopwatch or allowing it to run in the background when using other features increases the demand on battery power and reduces the battery life.

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

- To take intermediate times, select *Split timing*. To start the time observation, press **Start**. To take an intermediate time, press *Split*. To stop measuring time, press **Stop**. To save the time, press **Save**. To set the stopwatch timing in the background, press .
- To take lap times, select *Lap timing*. To set the stopwatch timing in the background, press .
- To view the timing that you have set in the background, press **Continue**.
- To view the most recently measured time if the stopwatch is not reset, select *Show last*.
- To view or delete the saved times, select *View times* or *Delete times*.

Applications

Sound meter

You can measure the approximate noise level of the environment.

The sound meter provides general measurements for personal use that may vary from scientific measurements.

Note that you cannot measure the noise level during a call or while a headset is connected to the phone.

To start sound monitoring, press **Menu**, and select *Applications* → *Extras* → *Sound meter*.

The sound meter bar graphically shows the noise level, and the peak level is indicated. The upper number indicates the peak level and the lower framed number the current level of the sound.

To open the list of options, press **Options**. You can, for example, activate the dynamic sound monitoring.

Thermometer

The thermometer measures temperature in Celsius and Fahrenheit. You can set the phone to display the temperature on the display in the standby mode. The thermometer is useful in planning and monitoring your outdoor activities, but it is not intended for professional use.

The thermometer provides general measurements for personal use that may vary from scientific measurements.

Press **Menu**, and select *Applications* → *Extras* → *Thermometer*.

- To show (or hide) the temperature value in standby mode, select *Show thermom.* (or *Hide thermometer*).
- To set the phone to show the temperature in Celsius or Fahrenheit, select *Temp. format*.

15. Services

You can access various services with the browser. These services may include, for example, weather reports, news, flight times, and financial information.

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

With your phone browser you can view services that use wireless markup language (WML) or extensible hypertext markup language (XHTML) on their pages. The appearance of the pages may vary due to the limited size of the phone display. Note that you may not be able to view all page details.

■ Basic steps for accessing and using services

1. Save the service settings that are required to access the service that you want to use.
2. Make a connection to the service.
3. Start browsing the pages of the service.
4. Once you have finished browsing, end the connection to the service.

■ Saving service settings

You may receive 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 with PC Suite.

For more information and for the correct settings, contact the network operator or service provider that offers the service that you want to use. You can receive the service settings over the air. See Over the air settings service on page 21.

Keying in the service settings manually

1. Press **Menu**, and select *Services* → *Settings* → *Connection settings*.
2. Select *Active service settings*. Scroll to the connection set that you would like to activate, and press **Activate**. A connection set is a group of settings required to connect to a service.
3. Select *Edit active service settings*.
4. Select each of the settings one by one and key in all the required settings according to the information that you have received from your network operator or service provider. Note that all bearer-related settings are in the *Bearer settings* menu.

■ Connecting to a service

1. Activate the service settings of the service that you want to use. Press **Menu**, and select *Services* → *Settings* → *Connection settings* → *Active service settings*. Select and activate the desired connection set.
2. Make a connection to the service, for example, press **Menu**, and select *Services* → *Home*.

■ Browsing pages





After you connect to a service, you can start to browse the pages. The function of the phone keys may vary by service, so follow the guides on the phone display. For more information, contact your service provider.

Note that if GPRS is selected as the data bearer, and you receive a call or a text message, or make a call during an (E)GPRS connection, the (E)GPRS connection is suspended (on hold). After a call, for example, the phone tries to reconnect the (E)GPRS connection.

Using the keys for browsing

- To browse, use any of the scroll keys.

Services



- To select a highlighted item, press , or press **Open** to open the link.
- To enter letters and numbers in the text editor, press the keys  - . To enter special characters, press the key .

Options while browsing

Press **Options**, and the following options may be available. The service provider may also offer other options.

- **Shortcuts** — opens a new list of options that are specific to the page.
- **Home** — returns to the homepage of the service provider.
- **Add bookmark** — saves the page as a bookmark.
- **Save to folder** — saves the page to the selected downloads folder.
- **Other options** — shows a list of other options, for example, some security options.
- **Reload** — reloads and updates the current page.
- **Quit** — quits browsing and disconnects.

■ Disconnecting from a service

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

■ Appearance settings

You can change the appearance of the pages. While browsing, press **Options**, and select **Other options** → **Appear. settings**, or in standby mode, press **Menu**, and select **Services** → **Settings** → **Appearance settings**. You can, for example, set the font size or select if the text will be abbreviated on a page.

■ Bookmarks


Your device may have some bookmarks loaded for sites not affiliated with Nokia. Nokia does not warrant or endorse these

Services

sites. If you choose to access them, you should take the same precautions, for security or content, as you would with any Internet site.

You can save addresses of browser pages as bookmarks in the phone memory.

Selecting a bookmark

1. While browsing, press **Options**, and select *Bookmarks*, or in standby mode, press **Menu**, and select *Services* → *Bookmarks*.
2. Scroll to the bookmark that you want to use, and press **Select** or  to make a connection to the page associated with the bookmark.

Receiving a bookmark

When you receive a bookmark (sent as bookmark), *1 bookmark received* is displayed. Press **Show**, and press **Save** to save the bookmark.

■ Downloading



Important: Only install applications from sources that offer adequate protection against harmful software.

You can download tones, images, games, or applications to the phone while browsing. Press **Options**, select *Download links*, and select *Tone downloads*, *Graphic downloads*, *Game downloads*, or *App. downloads*.

■ Service inbox

The phone can receive service messages (pushed messages) from your service provider.

Viewing service messages

- To view a received service message, press **Show**. If you press **Exit**, the message is moved to *Service inbox*. To access the *Service inbox* later, press **Menu**, and select *Services* → *Service inbox*.

Services

- To manage a service message while browsing, press **Options**, and select *Other options* → *Service inbox*. Scroll to the message that you want, press **Retrieve** to download the marked content from the page, or press **Options**, and select *Details* or *Delete*.

Service inbox settings

- To select settings for service messages, press **Menu**, and select *Services* → *Settings* → *Service inbox settings*. To set the phone to receive (or reject) service messages, select *Service messages* and *On* (or *Off*).
- To set the phone to receive service messages only from content authors approved by the service provider, select *Message filter* → *On*. To view the list of the approved content authors, select *Trusted channels*.
- To automatically activate the browser when the phone has received a service message in standby mode if you have set the phone to receive service messages, select *Automatic connection* → *Automatic connection on*. If you select *Automatic connection off*, the phone activates the browser only after you have selected *Retrieve* when the phone has received a service message.

■ Cache memory

A cache is a memory location that is used to store data temporarily. If you have tried to access or have accessed confidential information requiring passwords, empty the cache after each use. The information or services you have accessed is stored in the cache.

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

■ Cookies

A cookie is data that a site saves in the cache memory of your browser. The data can be, for example, your user information or your browsing preferences. Cookies are saved until you clear the cache memory. See *Cache memory* on page 99.

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

1. While browsing, press **Options**, and select *Other options* → *Security* → *Cookies*, or in standby mode, press **Menu**, and select *Services* → *Settings* → *Security settings* → *Cookies*.
2. Select *Allow* or *Reject*.

■ Browser security

Security features may be required for some services, such as banking services or online shopping. 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 improves security services for applications requiring a browser connection, and allows you to use a digital signature. The security module can contain certificates as well as private and public keys. The certificates are saved in the security module by the service provider.

Press **Menu**, and select *Services* → *Settings* → *Security settings* → *Security module settings*. Select *Security module details* to view the security module details, and *Module PIN request* to set the phone to request the module PIN when you use services provided by the security module. Select *Change module PIN* to change the module PIN, if allowed by the security module, or *Change signing PIN* to change a signing PIN.


See *Access codes* on page 15.

■ Certificates



Important: Note 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. 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 device are correct.

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

There are three kinds of certificates: server certificates, authority certificates, and user certificates. You may receive these certificates from your service provider. Authority certificates and user certificates may also be saved in the security module by the service provider. The security indicator  is displayed during a connection if the data transmission between the phone and the content server is encrypted.

■ Digital signatures

You can create digital signatures with your phone. The signature can be traced back to you by the private key in the security module and the user certificate that was used to perform the signature. Using the digital signature is similar to signing your name to a paper bill, contract, or other document.

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

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

S e r v i c e s

If the digital signature icon does not appear, there is a security breach, and you should not enter any personal data such as your signing PIN.

To sign the text, read all of the text first, then select **Sign**.

Note that 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, and press **OK**. The digital signature icon disappears, and the service may display a confirmation of your purchase.

16. Genuine 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 accessory, grasp and pull the plug, not the cord.
- Check regularly that all mobile phone equipment in a vehicle is mounted and operating properly.

Use only batteries, chargers and 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.

■ Power

Battery

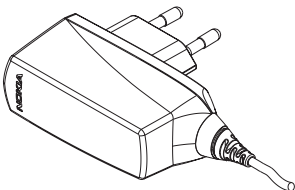
Type	Tech	Talktime*	Standby time*
BL-5B	Li-Ion	Up to 2-5 hours	up to 150-300 hours (up to 6-12 days)

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

Genuine Enhancements

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

Activity Headset

A sporty stereo headset that sits neatly on your ears. Provides convenient handsfree functionality, enabling you to listen to your compatible Nokia phone's FM radio. Supports push to talk capability in your compatible Nokia phone.

■ 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.

Battery information

Your device is powered by a rechargeable battery. The full performance of a new battery 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 talk and standby times are noticeably shorter than normal, buy a new battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

Unplug the charger from the electrical plug and the device when not in use. Do not leave the battery connected to a charger. Overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge 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 that is damaged.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery. (These look like metal strips on the battery.) This might happen, 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 device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

Do not dispose of batteries in a fire! Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

CARE AND MAINTENANCE

Your device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you protect your warranty coverage.

- Keep the device dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery and allow the device to dry completely before replacing it.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use a soft, clean, dry cloth to clean any lenses (such as camera, proximity sensor, and light sensor lenses).
- Use only the supplied or an approved replacement antenna. Unauthorised antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.

CARE AND MAINTENANCE

All of the above suggestions apply equally to your device, battery, charger, or any enhancement. If any device is not working properly, take it to the nearest authorized service facility for service.

Additional Safety

■ Operating environment

Remember to follow any special regulations in force in any area and always switch off your device when its use is prohibited or when it may cause interference or danger. Use the device only in its normal operating positions. To maintain compliance with radio frequency exposure guidelines only use enhancements approved by Nokia for use with this device. When the device is on and being worn on the body, always use an approved holder or carrying case.

■ Medical devices

Operation of any radio transmitting equipment, including wireless 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 device 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.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15.3 cm) be maintained between a 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 device more than 6 inches (15.3 cm) from their pacemaker when the device is switched on;
- not carry the device in a breast pocket; and

Additional Safety

- hold the device to 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 device immediately.

Hearing aids

Some digital wireless devices may interfere with some hearing aids. If interference occurs, consult your service provider.

■ Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection systems, electronic antiskid (antilock) braking systems, electronic speed control systems, air bag systems. For more information, check with the manufacturer or its representative of your vehicle or any equipment that has been added.

Only qualified personnel should service the device, or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the device. Check regularly that all wireless device 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 device, its parts, or enhancements. For vehicles equipped with an air bag, remember that air bags inflate with great force. Do not place objects, including 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 device while flying in aircraft is prohibited. Switch off your device before boarding an aircraft. The use of wireless teledevices in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network, and may be illegal.

■ Potentially explosive environments



Switch off your device when in any area with a potentially explosive atmosphere and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch off the device at refuelling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel depots, 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 liquefied petroleum gas (such as propane or butane), and areas where the air contains chemicals or particles such as grain, dust or metal powders.

■ Emergency calls



Important: Wireless phones, including this device, operate using radio signals, wireless networks, landline networks, and user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.

To make an emergency call:

1. If the device 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 device.
2. Press  as many times as needed to clear the display and ready the device for calls.
3. Key in the official emergency number for your present location. Emergency numbers vary by location.
4. Press the  key.

Additional Safety

If certain features are in use, you may first need to turn those features off before you can make an emergency call. If the device is in offline or flight mode you must change the profile to activate the phone function before you can make an emergency call. Consult this guide or your service provider for more information.

When making an emergency call, give all the necessary information as accurately as possible. Your wireless device may be the only means of communication at the scene of an accident. Do not end the call until given permission to do so.

■ Certification information (SAR)

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES

Your mobile device 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 devices 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 device 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 device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the

Additional Safety

network. In general, the closer you are to a base station, the lower the power output of the device.

The highest SAR value for this device when tested for use at the ear is 0.77 W/kg.

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 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.

In order to transmit data files or messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

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

Index

A

access codes 15

accessing

services 95

activating help text 64

alarm clock 81

alarm clock display indicator
14

answering a call 23

appearance settings 97

applications 88

**attaching carrying strap to
phone** 17

automatic keypad lock 64

automatic redialling 63

B

battery

charge level 19

charging 10

installing 8

removing 8

bookmarks 97

receiving 98

selecting 98

browser security 100

browsing 96

options 97

business cards 54

C

cache memory 99

calculator 90

converting currency 91

performing a calculation 90

calendar 81

call

functions 23

call functions 23

call waiting 24

activating 63

calls

activating call waiting 24

answering 23

answering with any key 63

call settings 63

call waiting 63

making a call 23

making a call with voice tags
55

making a conference call 24

options during a call 24

redialling 63

rejecting 23

selecting a line for

outgoing calls 64

speed dialling 63

speed dialling a number 23

summary after call 64

switching between calls 24

voice dialling 54

camera 70

carrying strap 17

cell info display 64

certificates 101

changing shell and key mat
15

charging battery 10

Index

chat 40

- accepting or rejecting an invitation 42
- connecting and disconnecting 41
- contacts 41, 43
- display indicator 14
- entering chat menu 40
- groups 44
- participating in conversation 43
- public groups 41
- reading a received message 42
- setting alert tone 59
- settings 43, 65
- starting a conversation 41

clock settings 60

closed user group display indicator 14

codes 15

compass 91

compound words 29

conference calls 24

connecting

- chat service 41
- service 96

connections

- GPRS 61
- infrared 61

contact

- editing or deleting details 50

contacts 41, 43

- adding an image 50
- adding contacts 48

adding contacts to

- subscribed names 52
- copying contacts 53
- deleting contacts 50
- receiving contact as a business card 54
- saving numbers and text items 49
- searching a name 50
- sending contact as a business card 54
- setting presence status 51
- settings 48
- subscribed names 52
- unsubscribing a contact 53
- voice dialling 54

converting currency 91

cookies 100

countdown timer 93

countdown timer display indicator 14

counters

- message counter 33

cover 15

creating

- distribution lists 33
- SMS e-mail messages 32
- voice tags 55

D

date and time settings 60

deleting

- multimedia messages 37

digital compass 91

- calibrating 92
- setting and resetting the direction 92

setting the declination 92
Digital Rights Management

See *DRM*

digital signatures 101

disconnecting from a service
97

display indicators 13

display settings 60

distribution lists 33

diverting calls

display indicator 14

downloadable applications

fitness coach 89

games 88

downloading 98

games 88

DRM 68

E

e-mail

creating SMS e-mail

messages 32

settings 46

e-mail messages 38

deleting 40

downloading 39

reading and replying 39

writing and sending 38

EGPRS 61

EGRPS display indicator 14

Enhanced GPRS

See *EGPRS*

enhancement settings 65

extras 90

F

factory settings 67

fitness coach 89

fixed applications

calculator 90

countdown timer 93

digital compass 91

sound meter 94

stopwatch 93

thermometer 94

folders

gallery 68

multimedia messages 37

text messages 33

functions

notes 82

G

gallery 68

folders 68

games 88

**General Packet Radio
Service (GPRS)**

See *GPRS*

GPRS 61

GPRS display indicator 14

GPRS modem settings 62

H

handsfree display indicator
14

headset display indicator 14

help texts 64

I

images

saving in gallery 68

Index

inbox 98
indicators 13
info messages 45
infrared 61
infrared display indicator 14
installing
 battery 8
 SIM card 8
instant messages 40
IR
 See infrared

J

Java applications 88

K

key mat 15
keyguard 20, 64
keypad lock 20
keypad lock display indicator 14
keypad tones 59
keys
 in browsing 96
 left, middle and right selection keys 19
 power key 11

L

language 28, 64
line for outgoing calls 64
listening to voice messages 44
location information 58
locking keypad 20
loopset display indicator 14

loudspeaker display indicator 14

M

mail servers 46
mailbox 46
making a call 23
making calls with voice tags 55
measuring temperatures 94
memory 7, 99
memory full 37
memory in use 48
memory status 48, 64, 68
menu
 accessing by scrolling 25
 using the menu 25
messages
 chat 40
 distribution lists 33
 e-mail 38
 folders 33
 info messages 45
 message counter 33
 multimedia 34
 setting alert tone 59
 settings 45
 voice 44
 writing and sending 31
modem settings 62
multimedia formats 34
multimedia messages 34
 deleting 37
 folders 37
 memory full 37
 reading and replying to 36
 writing and sending 35

Index

N

notes 82

O

operator logo 19

operator selection 64

options during a call 24

organizer 81

OTA

See over the air settings service

over the air settings service
21

P

personal shortcuts 60

phone language 64

phone settings 64

photos 70

positioning 58

power key 11

predictive text input
 setting on or off 28
 writing 28
 writing compound words
 29

presence settings 65

presence status 51

public chat groups 41

R

reading

 chat messages 42

 e-mail messages 39

 multimedia messages 36

receiving

 bookmark 98

 e-mail settings 46

recording voice 72

redialling

 setting 63

rejecting a call 23

removing

 battery 8

restoring factory settings 67

ringing tones

 saving in gallery 68

ringing volume 59

S

screen saver 20

searching

 contact name 50

security settings

 browser 100

selecting

 bookmark 98

selecting operator 64

sending

 caller ID 64

 e-mail messages 38

 multimedia messages 35

 SMS e-mail messages 32

 text messages 31

service commands 47

service inbox 98

service messages 98

services 95

 accessing and using 95

 browsing pages 96

 connecting 96

 disconnecting 97

 settings 95

Index

settings

- appearance 97
- call settings 63
- chat 43
- chat and my presence 65
- connectivity 61
- contacts 48
- display 60
- e-mail 46
- enhancements 65
- messages 45
- phone 64
- restoring factory settings 67
- service inbox settings 99
- service settings 95
- time and date 60
- tone 59
- writing language 28

shared memory 7

shell 15

shortcuts 60

signal strength 19

signatures 101

silent mode display indicator 14

SIM card

- installing 8

SMS e-mail 32

sound meter 94

sounds

- recording 72

speed dialling 55

- calling 23
- setting 63

standby mode 19

standby mode indicators 13

start-up tone 64

stopwatch display indicator 14

strap for carrying 17

subscribed names

- adding contacts to subscribed names 52
- unsubscribing a contact 53
- viewing 53

subscribing a contact 52

summary after call 64

switching between calls 24

switching on or off

- power 11

synchronizing

- calendar and contact data 83
- settings 84
- starting from PC 84
- starting from phone 83

T

text messages

See *messages*

thermometer 94

time and date settings 60

timed profile display

indicator 14

to-do list 82

tone settings 59

traditional text input 29

training diary 89

U

unlocking keypad 20

unsubscribing a contact 53

V

vibrating alert 59

viewing

memory status 64

subscribed names 53

voice dialling

adding a voice tag 55

making a call 55

voice messages 44

voice recorder 72

voice tags 54, 55

volume 59

volume control 63

automatic 24

W

wallpaper 20

warning tones 59

welcome note 64

writing

chat messages 43

compound words 29

e-mail messages 38

multimedia messages 35

setting language 28, 64

SMS e-mail messages 32

text messages 31

tips for writing 30

with predictive text input
28

with traditional text input
29