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## User's Guide for Nokia 6800

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Issue 1

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# FOR YOUR SAFETY

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Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this manual.



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



#### ROAD SAFETY COMES FIRST

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



#### INTERFERENCE

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



#### SWITCH OFF IN HOSPITALS

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



#### SWITCH OFF IN AIRCRAFT

Wireless devices can cause interference in aircraft.



#### SWITCH OFF WHEN REFUELLING

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



#### SWITCH OFF NEAR BLASTING

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



#### USE SENSIBLY

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





#### QUALIFIED SERVICE

Only qualified personnel may install or repair phone equipment.



#### ACCESSORIES AND BATTERIES

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



#### CONNECTING TO OTHER DEVICES

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



#### BACKUP COPIES

Remember to make backup copies of all important data.



#### WATER-RESISTANCE

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



#### CALLING

Ensure the phone is switched on and in service. Enter the phone number, including the area code, then press . To end a call, press . To answer a call, press .



#### EMERGENCY CALLS

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



## ■ Network Services

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

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

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



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

## ■ About accessories

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



**Warning:** Use only batteries, chargers and accessories approved by the phone manufacturer for use with this particular phone model. The use of any other types may invalidate any approval or warranty applying to the phone, and may be dangerous.

For availability of approved accessories, please check with your dealer.

When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.



# Access codes

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- **Security code (5 to 10 digits):** The security code protects your phone against unauthorised use, and is supplied with the phone. The preset code is 12345. When you have changed the code, keep the new code secret and in a safe place separate from your phone. To change the code, and to set the phone to request it, see [Security settings](#) on page 104.

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

- **PIN code and PIN2 code (4 to 8 digits):** The PIN (Personal Identification Number) code protects your SIM card against unauthorised use. The PIN code is usually supplied with the SIM card.

Set the phone to request the PIN code each time the phone is switched on, see [Security settings](#) on page 104.

The PIN2 code may be supplied with the SIM card and is required to access some functions, such as charging unit counters.

If you key in an incorrect PIN code three times in succession, the phone may display *PIN code blocked* and ask you to key in the PUK code. Contact your service provider to obtain the PUK code.

- **PUK and PUK2 codes (8 digits):** The PUK (Personal Unblocking Key) code is required to change a blocked PIN code. The PUK2 code is required to change a blocked PIN2 code.



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

- **Barring password (4 digits):** The barring password is required when using the [Call barring service](#), see [Security settings](#) on page 104. You can obtain the password from your service provider.
- **Module PIN and signing PIN:** The module PIN is required to access the information in the security module. See [Security module](#) on page 144. The signing PIN is needed for the digital signature. See [Digital signature](#) on page 147.

The module PIN and the signing PIN are supplied with the SIM card if the SIM card has a security module in it.

If you key in an incorrect PIN code several times, the phone may display [PIN code blocked](#) and ask you to key in the PUK code. Contact your service provider to get the PUK code.

- **Wallet code (4–10 digits):** The wallet code is required to access the wallet services. If you key in a wrong wallet code several times, the wallet application is blocked for five minutes. For further information, see [Wallet](#) on page 123.



# Overview of the phone functions

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Your Nokia 6800 phone is approved for use on EGSM 900 and GSM 1800 networks. It provides many functions which are practical for daily use, such as the messaging keyboard for easy and convenient writing, calendar, clock, alarm clock, countdown timer, calculator, games and many more.

## ■ Messaging concept

Your phone combines the functions of a normal mobile phone and a messaging device. When the flip is closed you can use all functions of your phone like in any other mobile phone. By opening the flip of the phone you can use the additional messaging keyboard, which is specially designed for writing text easily and comfortably, see [Writing and sending messages](#) on page 69.

## ■ Multimedia messaging service (MMS)

The phone is able to send multimedia messages that contain text and a picture and receive multimedia messages containing text, a polyphonic ringing tone and a picture. You can save the pictures and ringing tones for personalising your phone, see [Multimedia messages](#) on page 73.

## ■ Polyphonic sound (MIDI)

Polyphonic sound consists of several sound components that are played at the same time. Your phone can play four instruments at the same time from over 40



sound components preserved in your phone as ringing tones and message alert tones. The phone supports Scalable Polyphonic MIDI (SP-MIDI) format.

You can receive polyphonic ringing tones via the multimedia service, see [Reading and replying to a multimedia message](#) on page 76 or you can download them via the gallery menu, see [Gallery \(Menu 8\)](#) on page 114, or via PC Suite, see [PC Suite](#) on page 149.

## ■ General Packet Radio Service (GPRS)

GPRS technology allows mobile phones to be used for sending and receiving data over an Internet Protocol (IP) - based network. GPRS as such is a data bearer that enables wireless access to data networks such as the Internet. The applications that use GPRS are WAP services, MMS and text (SMS) messaging, downloading Java™ applications and the PC dial-up (for example, Internet and e-mail). Note that your phone supports three simultaneous GPRS connections.

### Before you can use GPRS technology

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

See [Setting up the phone for a WAP service](#) on page 134, [Message settings](#) on page 86 and [GPRS](#) on page 132.

### Pricing for GPRS and applications

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



## ■ Loudspeaker

This feature allows you to use your phone as a loudspeaker during a call, such as a conference call, and carry out other tasks simultaneously, while you talk. You can, for example, write messages, check your calendar notes or play games. See [Loudspeaker](#) on page 42.

## ■ MIDP Java™ applications

Your phone supports Java and includes some Java applications and games that have been especially designed for mobile phones. You can also download new applications and games to your phone, see Applications menu (Menu 10) on page 118.

## ■ Stereo radio

Your phone has an integrated stereo radio. You can listen to the radio using a headset or via the loudspeaker, see [Radio \(Menu 7\)](#) on page 111.

## ■ Over the Air (OTA) settings service

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



## ■ Shared memory

The following features in this phone may share memory: contacts, text and multimedia messages, images and ringing tones in gallery, calendar, to-do notes, Java games, applications, notes application and e-mail. Using any such features may reduce the memory available for any features sharing memory. This is especially true with heavy use of any of the features (although some of the features may have a certain amount memory specially allotted to them in addition to the amount of memory shared with other features. For example, saving many images, Java applications etc. may take all of the shared memory and your phone may display a message that the memory is full. In this case, delete some of the information or entries stored in the shared memory features before continuing.



# 1. Your phone

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## ■ Keys (flip closed)

### 1. Power key

Switches the phone on and off.

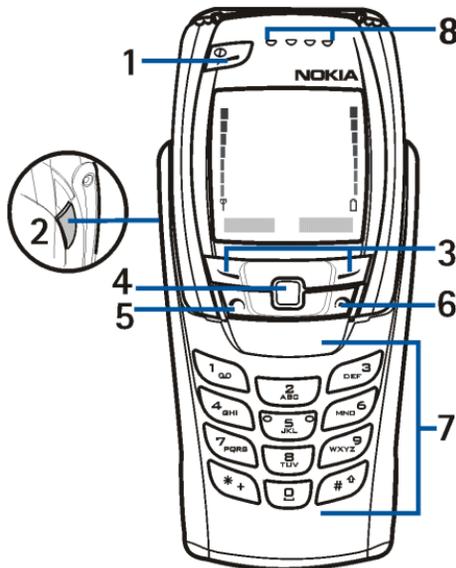
For example, when the keypad is locked, briefly pressing the power key turns the phone's display lights on for approximately 15 seconds.

### 2. Volume key

Adjusts the volume of the earpiece, the headset and the loudspeaker.

### 3. Selection keys and

The function of the keys depends on the guiding text shown on the display



above the keys, for example **Menu** and **Contacts** in standby mode.

4. 4-way joystick 

Enables scrolling through names, phone numbers, menus or settings. The 4-way joystick is also used to move the cursor up and down, and right and left when writing text, using the calendar, and in some game applications.

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

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

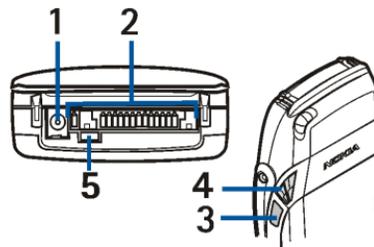
7.  -  enter numbers and characters.

 and  are used for various purposes in different functions.

8. Ear piece

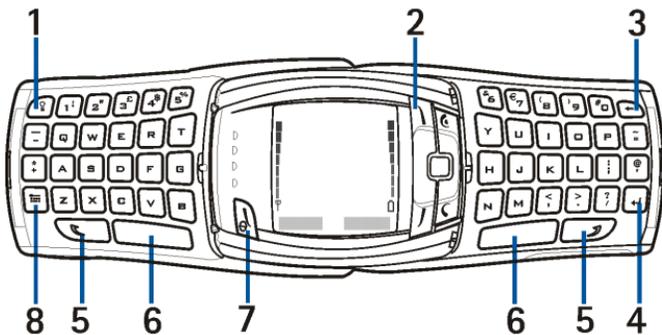
## ■ Connectors

1. Charger connector
2. Pop-Port™ connector for headsets, data cable and other accessories.
3. Infrared (IR) port
4. Loudspeaker
5. Microphone



## ■ Keys (flip open)

When you open the flip, the display graphics are rotated 90 degrees and the left and right selection keys change positions, but the guiding texts above the left and right selection keys do not change. For using the keys to write and edit text, see [Writing text using the messaging keyboard](#) on page 44.

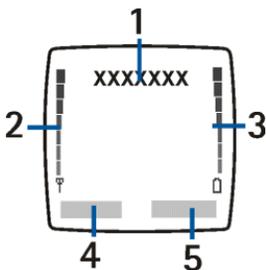


1. Keyboard light key  switches the keyboard light on or off to provide additional lighting while using the keyboard. See also [Switching the keyboard lights on or off](#) on page 36.
2. Profile key  opens a list of profiles when pressed briefly. Pressing and holding down the key switches the phone off.
3. Backspace  deletes characters.
4. Enter key  forces a line feed when editing text.



5. Shift keys  and  enter upper case letters and symbols. You can either press the shift key first and then the desired key or press both keys at the same time.
6. Space bar keys  and  enter a space.
7. Power key/ Left selection key  switches the power on, when the phone's messaging keyboard is open and the phone is switched off. The function of the left selection key depends on the guiding text shown on the display above the key.
8. Character key (Chr)  opens a set of characters and symbols during editing.

## ■ Standby mode



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

1. Shows the name of the network in which the phone is currently being used, or the operator logo when no wallpaper is displayed.
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 **Menu**.



5. The right selection key in standby mode is **Contacts**.  
See also [Essential indicators in standby mode](#) on page 24.

## Screen saver

With the flip closed, the phone automatically activates a digital clock screen saver to save power in standby mode. It will be activated after a certain length of time when none of the phone functions have been used, see [Screen saver](#) on page 102. Press any key or open the flip to deactivate the screen saver.

Note that if you have not set the time, 00:00 is displayed. To set the time, see [Clock](#) on page 94.

## Wallpaper

You can set your phone to display a background picture as wallpaper when the phone is in standby mode, see [Wallpaper](#) on page 100.

## Essential indicators in standby mode

-  You have received one or several text or picture messages. See [Reading and replying to a message](#) on page 70.
-  You have received one or several multimedia messages. See [Writing and sending a multimedia message](#) on page 74.
-  You have received one or several voice messages. See [Voice messages](#) on page 85.



-  The phone's keypad is locked. See [Keypad lock \(Keyguard\)](#) on page 36. and [Security keyguard](#) on page 98.
-  The phone does not ring for an incoming call or a text message because *Incoming call alert* is set to *Off* and *Message alert tone* is set to *Off*. See [Tone settings](#) on page 102.
-  The alarm clock is set to *On*. See [Alarm clock](#) on page 106.
-  The countdown timer is running. See [Countdown timer](#) on page 128.
-  The stopwatch is running in the background. See [Stopwatch](#) on page 129.
-  When GPRS connection is established, the indicator is shown on the top left of the display. See [GPRS connection](#) on page 132 and [Browsing the pages of a WAP service](#) on page 139.
-  The GPRS connection is suspended (on hold), for example, if there is an incoming or outgoing call during a GPRS dial-up connection.
-  Infrared connection indicator. See [Infrared](#) on page 130.
-  All your calls are diverted to another number. If you have two phone lines, the divert indicator for the first line is  and for the second line is . See [Call divert](#) on page 95.
- 1** or **2** If you have two phone lines, the indicator displays the selected phone line. See [Line for outgoing calls](#) on page 97.
-  The loudspeaker has been activated. See [Loudspeaker](#) on page 42.



 Calls are limited to a closed user group. See [Security settings](#) on page 104.

 The timed profile is selected. See [Profiles \(Menu 3\)](#) on page 93.

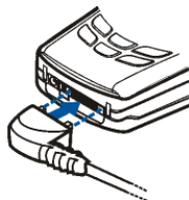
 ,  or 

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

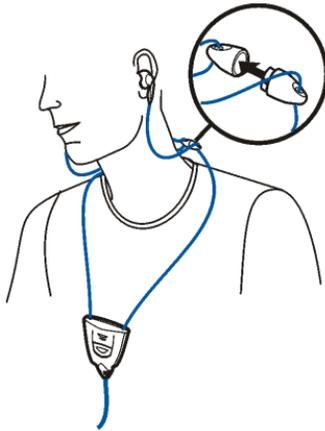
To enable the phone to show the time and date in standby mode. See [Clock](#) on page 94 and [Date](#) on page 95.

## ■ Headset

Connect the HDS-3 or HDB-4 headset to the Pop-Port connector of your phone as shown in the picture.



You can carry the headset as shown in the picture.



## 2. Getting started

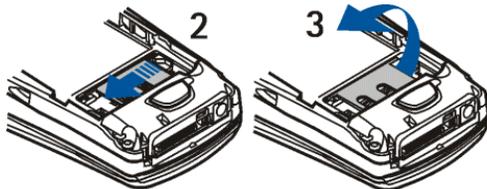
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### ■ Installing the SIM card and the battery

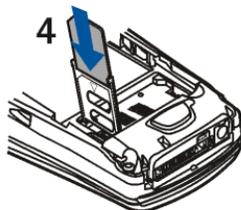
- Keep all miniature SIM cards out of the reach of small children.
  - The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.
  - Before installing the SIM card, always make sure that the phone is switched off and then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



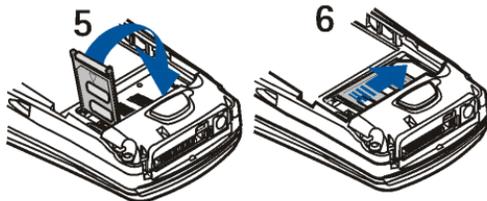
2. To release the SIM card holder, slide the card holder backwards (2) and lift it up (3).



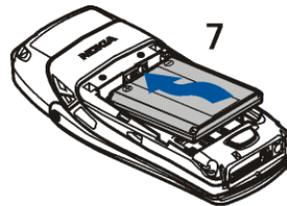
3. Insert the SIM card into the SIM card holder (4). Make sure that the SIM card is properly inserted and that the golden contact area on the card is facing downwards.



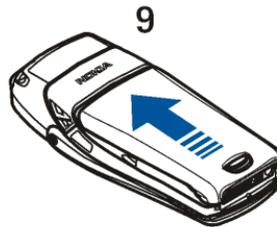
4. Close the SIM card holder (5) and slide it back to its place (6).



5. Replace the battery (7).



6. Direct the back cover towards the locking catches on the front cover (8) and slide the back cover until it locks into place (9).



## ■ Charging the battery

1. Connect the lead from the charger to the socket on the bottom of your phone.
2. Connect the charger to an AC wall socket.

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



You can use the phone while the charger is connected.

The charging time depends on the charger and the battery used. For example, charging a BLC-2 battery with the ACP-12 charger takes about 1 hour and 30 minutes while the phone is in standby mode.

## ■ Switching the phone on and off

To switch the phone on or off, when the flip is closed, press and hold the power key .

To switch the phone off when the messaging keyboard is open, press and hold the profile key  on the top right corner of the display.

To switch the power on, when the phone's messaging keyboard is open and the phone is switched off, press the power key (left selection key) .



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

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

See also *PIN code request* in [Security settings](#) on page 104 and on page 104.

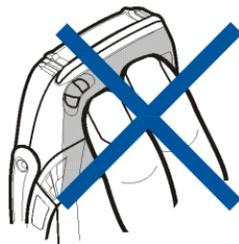
- If the phone asks for a security code, key in the security code (displayed as \*\*\*\*\*), and press **OK**.

See also [Access codes](#) on page 14.



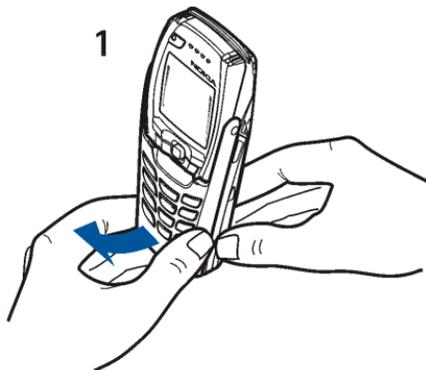
**Warning:** Do not switch the phone on when wireless phone use is prohibited or when it may cause interference or danger.

**TIPS ON EFFICIENT OPERATION:** Your phone has a built-in antenna. As with any other radio transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed. Not touching the antenna area during a phone call optimises the antenna performance and the talktime of your phone.

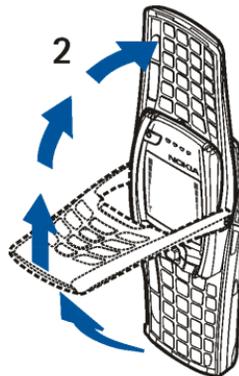


## ■ Opening the flip

1. Hold the phone with both hands and open the flip as shown in picture (1).

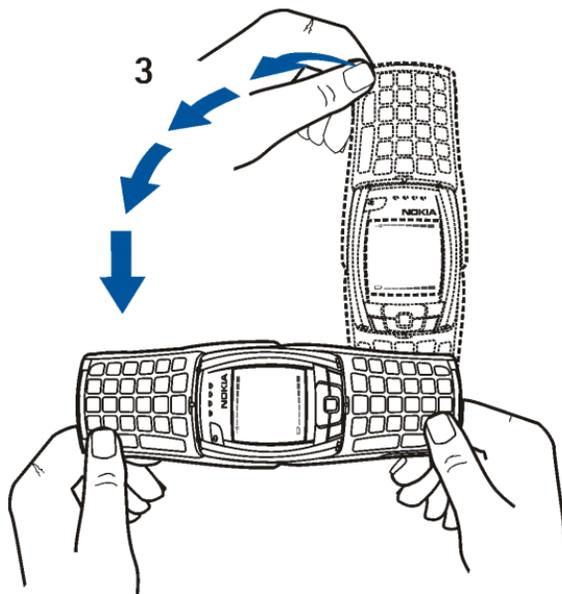


2. Turn the flip until you hear it click into place (2).  
Make sure that the golden contacts of the flip and the phone touch each other.



3. Turn the phone to a horizontal position and hold it as shown in picture (3). The loudspeaker function automatically activates when the flip is open.





## Switching the keyboard lights on or off

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

## ■ Keypad lock (Keyguard)

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

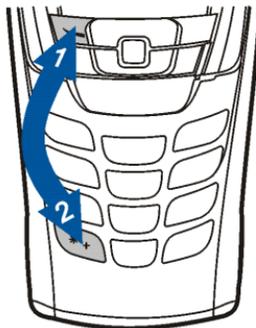
### • Locking the keypad

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

### • Unlocking the keypad

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

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



For locking the keypad during a call, see [Options during a call](#) on page 42 and for setting the security keyguard, see [Security keyguard](#) on page 98.



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



## 3. Call functions

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### ■ 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. With the flip open in standby mode, pressing any number key starts a call procedure.

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

2. Press to call the number.
3. Press to end the call or to cancel the call attempt.

See also [Options during a call](#) on page 42.

### Making a call using contacts

- See [Searching for a name in contacts](#) on page 53. Press to call the number on the display.

### Last number redialling

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



## Calling your voice mailbox

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

If the phone asks for the voice mailbox number, key it in and press **OK**. See also [Voice messages](#) on page 85.

## Speed dialling a phone number

Before you can use speed dialling, do as follows:

1. Press **Menu**, select *Settings*, *Call settings* and *Speed dialling*. Set the setting to *On*. See also [Speed dialling](#) on page 96.
2. Assign a phone number to one of the speed dialling keys from  to , see [Speed dialling](#) on page 56.
3. Call the number in either of the following ways:
  - Press the speed dialling key you want and then press . You can also activate speed dialling by pressing the corresponding number key, when the flip is open.
  - If *Speed dialling* is set to on, press and hold a speed dialling key until the call is started.



## Making a conference call

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

1. Make a call to the first participant.
2. To make a call to a new participant, press **Options** and select *New call*.
3. Key in the phone number of the new participant, or retrieve it from the memory, and press **Call**. The first call is put on hold.
4. When the new call has been answered, join the first participant in the conference call. Press **Options** and select *Conference*.
5. To add a new participant to the call, repeat steps 2 to 4.
6. To have a private conversation with one of the participants:  
Press **Options** and select *Private* and select the desired participant. Rejoin the conference call as described in step 4.
7. To end the conference call, press .



## ■ Answering or rejecting an incoming call

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

Press  to reject an incoming call.

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

If the HDB-4 or HDS-3 headset is connected to the phone, you can answer and end a call by pressing the headset key.



**Tip:** If the *Divert if busy* function is activated to divert the calls, for example to your voice mailbox, rejecting an incoming call will also divert the call. See [Call divert](#) on page 95.

Note that when somebody is calling you, the phone shows the caller's name, phone number, or the text *Private number* or *Call*. If more than one name is found in contacts with the same phone number as the caller's number, only the caller's number will be displayed, if this is available.

## Call waiting

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

Press  to end the active call.

To activate the *Call waiting* function, see [Call waiting](#) on page 97.



## ■ Options during a call

Many of the options that you can use during a call, are network services. Press **Options** during a call for some of the following options:

*Mute* or *Unmute*, *End call*, *End all calls*, *Contacts*, *Menu* and *Hold* or *Unhold*, *New call*, *Conference*, *Private*, *Answer*, *Reject* and *Loudspeaker* or *Handset*.

*Lock keypad* to activate the keypad lock.

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

*Swap* to switch between the active call and the call on hold, *Transfer* to connect a call on hold to an active call, and to disconnect yourself from the calls.

## Loudspeaker

You can use your phone as a loudspeaker during a call. Do not hold the phone to your ear during loudspeaker operation.

To activate the loudspeaker:

- Open the flip. Or:
- When the flip is closed, press **Options** and select *Loudspeaker* or press **Loudsp.**, if available.

To deactivate the loudspeaker during a call:

- Close the flip or press **Handset**, when the flip is open. Or:



- When the flip is closed, press **Options** and select *Handset* or press **Handset**, if available.

If you have connected the CARK126 handsfree unit or the headset to the phone, *Handset* in the options list is replaced with *Handsfree* or *Headset* and the selection key **Handset** with **Handsfr.** or **Headset** respectively.

The loudspeaker is deactivated automatically when you end the call or call attempt, connect the handsfree unit or headset to the phone, or close the flip.

Using the loudspeaker with the stereo radio, see [Radio \(Menu 7\)](#) on page 111.



## 4. Writing text

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

### ■ Writing text using the messaging keyboard

You can write a text message in two ways, when the flip is open. Press **Menu** and select *Messages*, *Text messages* and *Create message*, see [Writing and sending messages](#) on page 69.



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

Or: Press any of the letter keys in standby mode to open the Notes application, see [Notes \(Menu 6\)](#) on page 110.

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

- To insert a number, press any of the number keys. Pressing a number key in standby mode initiates a normal call procedure.
- To switch between the lower and upper case, indicated by **abc**, **ABC** or **ABC** on the top left of the display, or to key in symbols, press one of the shift keys  or . You can either press the shift key and the desired character



consecutively, or press and hold both the shift key and the desired letter key at the same time. To write in upper case only, press  or  twice.

- To delete characters from the display, press  or **Clear**. Pressing backspace briefly clears one character at a time, while longer keypress deletes characters more quickly.
- To add a space, press one of the space keys (  or  ) at the bottom of the keyboard.
- To force a line feed, press .

## Typing accented characters

The characters available depend on the language selected in the *Language* menu, see [Language](#) on page 98. To type accented characters or symbols that are not printed on the keyboard, do one of the following:

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



## ■ Writing text when the flip is closed

You can use predictive or traditional text input when the phone's flip is closed. When you are writing text, predictive text input is indicated by  and traditional text input by  on the top left of the display. You can change the character case, indicated by ,  or  by pressing . The number mode is indicated by , and you can switch between the letter and number modes by pressing and holding .

## Setting predictive text input on or off

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

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



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

## Using predictive text input

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

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





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

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

For more instructions for writing text, see [Tips for writing text](#) on page 48.

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

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

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

## Writing compound words

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

## Using traditional text input

Press a number key,  to , repeatedly until the desired character appears. Not all characters available under a number key are printed on the key. The characters available depend on the language selected in the **Language** menu, see [Language](#) on page 98.



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

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

More instructions for writing text, see [Tips for writing text](#) on page 48.

## Tips for writing text

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

- To insert a space, press .
- To move the cursor to the right, left, up or down, move the joystick respectively.
- To delete a character from the display, press **Clear**. Press and hold **Clear** to delete the characters more quickly.

To delete all the characters simultaneously when writing a message, press **Options** and select **Clear text**.

- To insert a word that is not in the dictionary when using predictive text input, press **Options** and select **Insert word**. Write the word using traditional text input and press **Save**. The word is also added to the dictionary.



- To insert a special character when using traditional text input, press  or when using predictive text input, press and hold , or press **Options** and select *Insert symbol*.

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

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

The following options are available when writing text messages:

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



## 5. Contacts

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

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

Contacts use shared memory, see [Shared memory](#) on page 19.

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

### ■ Selecting settings for contacts

1. Press **Contacts** and select *Settings*. Select
2. *Memory in use* to select the memory, either SIM card or phone, that you want to use for your contacts. To recall names and numbers from both memories for contacts, select *Phone and SIM*. In this case, the names and numbers will be saved in the phone's memory.
3. *Contacts view* to select how the names (and numbers) in contacts are displayed.



4. *Memory status* to see how many names and phone numbers are currently saved and how many can still be saved in the selected memory for contacts.

## ■ Saving names and phone numbers (Add contact)

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

1. Press **Contacts** and select *Add contact*.
2. Key in the name and press **OK**. See [Using traditional text input](#) on page 47.
3. Key in the phone number, and press **OK**. To key in numbers, see [Making a call](#) on page 38.
4. When the name and number have been saved, press **Done**.



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

## Saving multiple numbers and text items per name

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

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



1. Make sure that the memory in use is either *Phone* or *Phone and SIM*. See [Selecting settings for contacts](#) on page 50.
2. To access the list of names and phone numbers, move the joystick up or down in standby mode.
3. Scroll to the name saved in the phone's internal contacts to which you want to add a new number or text item, and press **Details**.
4. Press **Options** and select *Add number* or *Add detail*.
5. Select one of the following number types:  
 *General*  *Mobile*,  *Home*,  *Office* and  *Fax*.  
or text types  *E-mail address*,  *Web address*,  *Postal address* and   
*Note.*  
To change the number or text type, select *Change type* in the options list.
6. Key in the number or text item and press **OK** to save it.
7. Press **Back** and then **Exit** to return to standby mode.

### Changing the default number

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



## ■ Searching for a name in contacts

1. Press **Contacts** and select *Search*.
2. You can key in the first characters of the name you are searching for in the pop-up window.  
Move the joystick up or down to scroll through the names in the list, and right or left to move the cursor in the pop-up window
3. Scroll to the name you want, and press **Details**. Scroll to view the details of the selected name.



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

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

## ■ Editing a name, number or text item

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



## ■ Erasing names and numbers

Press **Contacts** and select *Delete*.

- To delete names and numbers one by one, select *One by one* and scroll to the name (and number) that you want to delete. Press **Delete** and press **OK** to confirm.
- To delete names and numbers in contacts simultaneously, select *Delete all* and then scroll to contacts, *Phone* or *SIM card* and press **Delete**. Press **OK** and confirm with the security code.

## ■ Copying contacts

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

1. Press **Contacts** and select *Copy*.
2. Select the copying direction, *From phone to SIM card* or *From SIM card to phone*.
3. Select *One by one*, *All* or *Default numbers*.
  - If you select *One by one*, scroll to the name that you want to copy and press **Copy**.

*Default numbers* is shown if you copy from the phone to the SIM card. Only the default numbers will be copied.
4. To choose whether you want to keep or delete the original names and numbers, select *Keep original* or *Move original*.



- If you select *All* or *Default numbers*, press **OK** when *Start copying?* or *Start moving?* is displayed.

## ■ Sending and receiving a business card

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

### Receiving a business card

To receive a business card via IR, make sure that your phone is ready to receive data through its IR port, see [Infrared](#) on page 130. The user of the other compatible phone can now send the name and phone number via Infrared.

When you have received a business card via IR or as an OTA message, press **Show**. Press **Save** to save the business card in the phone's memory. To discard the business card, press **Exit** and then **OK**.

### Sending a business card

You can send a business card via IR or as an OTA message to a compatible phone or other handheld device which supports the vCard standard.

- To send a business card, search contacts for the name and phone number you want to send, press **Details** and **Options** and select *Send bus. card*.
- To send the business card via IR, make sure that the other phone or the PC is set up to receive data via its IR port and select *Via infrared*.
- To send the business card as an OTA message, select *Via text message*.



## ■ Speed dialling

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

Press **Assign**, press **Search**, and select first the name and then the number you want to assign. If the *Speed dialling* function is off, the phone asks whether you want to activate it. Press **Yes** to activate it, see [Speed dialling](#) on page 96.

To make a call using the speed dialling keys, see [Speed dialling a phone number](#) on page 39.

## ■ Info numbers

You can call the information numbers of your service provider. The numbers may be included in your SIM card.

Press **Contacts** and select *Info numbers*. Scroll through a category to an information number and press  to call the number.

## ■ Service numbers

You can call the service numbers of your service provider. The numbers may be included in your SIM card.

Press **Contacts** and select *Service numbers*. Scroll to a service number and press  to call the number.



## ■ My numbers

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

## ■ Caller groups

You can arrange the names and phone numbers saved in contacts into caller groups. For each caller group, you can set the phone to sound a specific ringing tone and show a selected graphic on the display when you receive a call from a phone number in the group, see below. To set the phone to ring only upon calls from phone numbers belonging to a selected caller group, see *Alert for* in **Tone settings** on page 102.

Press **Contacts**, select *Caller groups* and select the desired caller group. Select

- *Group name*, key in a new name for the caller group and press **OK**.
- *Group ringing tone* and select the ringing tone for the group. *Default* is the ringing tone selected for the currently active profile.
- *Group logo* and select *On* to set the phone to display the group logo, *Off* not to display it or *View* to view the logo.
- *Group members* to add a name to the caller group, press **Options** and select *Add contact*. Scroll to the name that you want to add to the group and press **Add**.

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



## 6. Using the menu

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The phone offers you an extensive range of functions, which are grouped into menus. Most of the menu functions are provided with a brief help text. To view the help text, scroll to the menu function you want and wait for 15 seconds. To exit the help text, press **Back**. See [Help text activation](#) on page 100.

### ■ Accessing a menu function

#### By scrolling

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

#### By using a shortcut

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



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

 **Example:** To set the *Anykey answer* to *On*, press **Menu**, , ,  and . Press **Back** to return to the previous menu level, and **Exit** to exit the menu.

Note that accessing the menu functions in menu 1, press **Menu**, ,  and the rest of the digits of the shortcut number.



## ■ List of menu functions

### 1. Messages



1. Text messages
  1. Create message
  2. Inbox
  3. Sent items
  4. Archive
  5. Templates
  6. My folders
  7. Distribution lists
  8. Delete messages
2. Multimedia msgs.
  1. Create message
  2. Inbox
  3. Outbox
  4. Sent items
  5. Saved items
  6. Delete messages
3. E-mail
  1. Open
    1. Create e-mail
    2. Retrieve
    3. Send now
    4. Send and retrieve
    5. Inbox
    6. Outbox
    7. Deleted items



- 8. Sent items
- 9. Drafts
- 10. Archive
- 11. Settings
- 2. Web access
- 3. Service settings
- 4. Details
- 4. Chat
- 5. Voice messages
  - 1. Listen to voice messages
  - 2. Voice mailbox number
- 6. Info messages
  - 1. Info service
  - 2. Topics
  - 3. Language
  - 4. Info topics saved on SIM card
  - 5. Read<sup>1</sup>
- 7. Message settings
  - 1. Text messages
  - 2. Multimedia msgs.
  - 3. Other settings
- 8. Service commands
- 2. Call register
  - 1. Missed calls



---

1. This menu is shown only if any info messages are received.



2. Received calls
3. Dialed numbers
4. Delete recent call lists
  1. All
  2. Missed
  3. Received
  4. Dialed
5. Call duration
  1. Last call duration
  2. Received calls' duration
  3. Dialed calls' duration
  4. All calls' duration
  5. Clear timers
6. Call costs
  1. Last call units
  2. All calls' units
  3. Call cost settings
7. GPRS data counter
  1. Data sent in last session
  2. Data received in last session
  3. All sent data
  4. All received data
  5. Clear counters
8. GPRS connection timer
  1. Duration of last session
  2. Duration of all sessions
  3. Clear timers



### 3. Profiles



1. General
  1. Activate
  2. Personalise
  3. Timed
2. Silent (same submenus as in General)
3. Meeting (same submenus as in General)
4. Outdoor (same submenus as in General)
5. Pager (same submenus as in General)

### 4. Settings



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

---

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



1. Language
2. Memory status
3. Security keyguard
4. Cell info display
5. Welcome note
6. Network selection
7. Confirm SIM service actions
8. Help text activation
9. Start-up tone
4. Display settings
  1. Wallpaper
  2. Colour schemes
  3. Operator logo
  4. Screen saver timeout
  5. Display brightness
5. Tone settings
  1. Incoming call alert
  2. Ringing tone
  3. Ringing volume
  4. Vibrating alert
  5. Message alert tone
  6. Keypad tones
  7. Warning tones
  8. Alert for
6. Accessory settings<sup>1</sup>

---

1. This menu is shown only if the phone is or has been connected to a headset, handsfree unit or loopset available for the phone.



- 7. Security settings
  - 1. PIN code request
  - 2. Call barring service
  - 3. Fixed dialling
  - 4. Closed user group
  - 5. Security level
  - 6. Access codes
- 8. Restore factory settings
- 5. **Organiser**
  - 1. Alarm clock
  - 2. Calendar
  - 3. To-do list
- 6. **Notes**
- 7. **Radio**
- 8. **Gallery**
  - 1. View folders
    - 1. Graphics
    - 2. Tones
  - 2. Add folder
  - 3. Delete folder
  - 4. Rename folder
  - 5. Gallery downloads
    - 1. Image downloads



2. Tone downloads

## 9. Games

1. Select game
2. Game downloads
3. Memory
4. Settings
  1. Game sounds
  2. Game lights
  3. Shakes



## 10. Applications

1. Select application
2. App. downloads
3. Memory



## 11. Extras

1. Calculator
2. Wallet
  1. Cards
  2. Personal notes
  3. Settings
3. Synchronisation
  1. Synchronise
  2. Settings
4. Countdown timer
5. Stopwatch



## 12.Connectivity

1. Infrared
2. GPRS
  1. GPRS connection
  2. GPRS modem settings



## 13.Services

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



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



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



## 7. Menu functions

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### ■ Messages (Menu 1)



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

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

Before you can send any text or picture messages, you need to save your message centre number, see [Message settings](#) on page 86.

### Text messages (SMS service)

Your phone can send and receive multi-part messages which consist of several ordinary text messages (network service). Invoicing is based on the number of ordinary messages that are required for a multi-part message.

You can also send and receive traditional picture messages that contain text and a picture. Each picture message is made up of several text messages. Therefore, sending one picture message may cost more than sending one text message.





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

## Writing and sending messages

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

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



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

2. Key in a message, see [Writing text](#) on page 44. To insert text templates or a picture into the message, see [Templates](#) on page 71.
3. To send the message, press **Options**, and select *Send*
4. Enter the recipient's phone number or search for it in contacts.  
Press **OK** to send the message.

## Options for sending a message

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

- To send a message to several recipients, select *Send to many*. When you have sent the message to everyone you want to send it to, press **Done**.
- To send a message using a distribution list, select *Send to list*. For creating a distribution list, see [Distribution lists](#) on page 73.



- To send a message using a message profile, select *Sending profile* and then the desired message profile. For defining a message profile, see [Message settings](#) on page 86.

## Reading and replying to a message

When you have received a message, the indicator  and the number of new messages followed by *message(s) received* are shown.

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

The text messages function uses shared memory, see [Shared memory](#) on page 19.

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

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

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

You can select an option, for example, to delete, forward or edit the message as a text message, move and rename the message you are reading.

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

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



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

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

4. Select *Reply* to reply to a message. Select *Original text* to include the original message in the reply, or select a standard answer to be included in the reply, or select *Empty screen*.
5. Press **Options**, select *Send*, and press **OK** to send the message to the displayed number.

### Inbox and sent items folders

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

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

### Templates

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

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



### Inserting a text template into a message

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

### Inserting a picture into a text message

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

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

### Archive folder and my folders

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

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

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

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



## Distribution lists

You can save distribution lists in the phone's memory, containing a fixed number of people to whom you regularly send messages. If the message fails to send, an *Undelivered* folder will appear containing a list of the recipient(s) who did not receive the message.

1. Press **Menu**, select *Messages, Text messages* and *Distribution lists*.
2. Press **Add** to create a new list. The option is shown, if you have not saved any lists in the folder. Or: Press **Options** and select *Add list*.
3. Key in the name for the list and press **OK**.
4. To add a name to the newly created list, press **Options** and select *View list*.
5. Press **Options** and select *Add contact*. Search for the name in contacts, select it and press **OK**.

The other options in the **Options** list include *View list, Rename list, Clear list* and *Delete list*.

In the *Undelivered* folder you can, for example, select *View message* to view the message that failed to send or *Resend to list* to send the message again.

## Multimedia messages



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

You can send multimedia messages containing text and a picture and receive multimedia messages containing text, a polyphonic ringing tone and a picture.



The phone supports multimedia messages that are up to 45 kB in size. If the maximum size is exceeded, the phone may not be able to receive the message. Depending on the network, you may receive a text message that includes an Internet address where you can view the multimedia message.

If the message contains a picture that is larger than the display area, the phone scales it down to fit the display area.



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

Multimedia messaging supports the following formats:

- Picture: JPEG, GIF, PNG and BMP.
- Sound: Scalable Polyphonic MIDI (SP-MIDI) and monophonic ringing tones

If a received message contains any unsupported elements, they may be replaced with the file name and the text *Object format not supported*

Note that you cannot receive any multimedia messages if you have a call in progress, a game or another Java application running, or an active WAP connection over GSM data (see [Keying in the service settings manually](#) on page 135). Because delivery of multimedia messages can fail for a variety of reasons, do not rely solely upon them for essential communications.

### Writing and sending a multimedia message

To set the settings for multimedia messaging, see [Settings for multimedia messages](#) on page 88. For availability and subscription to the multimedia messaging service, contact your network operator or service provider.

1. Press **Menu** and select *Messages*, *Multimedia msgs.* and *Create message*.



2. Key in a message, see [Writing text](#) on page 44.

You can insert one picture in a multimedia message. To insert a picture, press **Options** and select *Insert image*. The list of available folders in the *Gallery* is shown. Open the desired folder, scroll to the desired picture, press **Options** and select *Insert*. The  indicator on the header of the message indicates that a picture has been attached.

To insert a name from contacts, press **Options**, select *More options* and *Insert contact*. Scroll to the desired name, press **Options** and select *Insert contact*.

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

3. To view the message before sending it, press **Options** and select *Preview*.
4. To send the message, press **Options** and select *Send to number* (or *Send to e-mail*).
5. Enter the recipient's phone number (or e-mail address) or search for the phone number (or e-mail address) in contacts. Press **OK** and the message is moved to the *Outbox* folder for sending.

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



The messages that you have sent will be saved in the *Sent items* folder if the setting *Save sent messages* is set to *Yes*, see [Settings for multimedia messages](#) on page 88.

## Reading and replying to a multimedia message

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

The blinking  indicates that the memory for multimedia messages is full, see [Multimedia messages memory full](#) on page 77.

The multimedia message function uses shared memory, see [Shared memory](#) on page 19

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

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

2. Scroll to view the message. Press **Options** and some of the following options may be available.
  - *Delete message* to delete a saved message.
  - *Reply* to reply to the message. To send the reply, press **Options** and select *Send*. The sender's phone number (or e-mail address) is used as the default value.
  - *Forward to no.* to forward the message to a phone number.



- *Edit* to edit a message. You can only edit messages you have written. See [Writing and sending a multimedia message](#) on page 74.
- *Message details* to view the subject, size and class of the message.
- *Details* to view the details of the attached image or sound
- *Play* to listen to the ringing tone that is contained in the message.
- *Save sound clip* to save a ringing tone in the *Gallery*.
- *Save image* to save the picture in the *Gallery*.

### **Inbox, Outbox, Saved and Sent items folders**

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

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

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

The multimedia messages that have been sent are saved in the *Sent items* folder of the *Multimedia msgs.* submenu, if the setting *Save sent messages* is set to **Yes**, see [Settings for multimedia messages](#) on page 88.

### **Multimedia messages memory full**

When you have a new multimedia message waiting and the memory for the messages is full, the indicator  blinks and *Multimedia memory full, view waiting msg.* is shown. To view the waiting message, press **Show**. To save the



message, press **Options**, select *Save message* and delete old messages by first selecting the folder and then the message to be deleted.

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

## Deleting messages

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

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

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

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



## E-mail messages

### Writing and sending an e-mail



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

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

- You need an active e-mail account and e-mail service settings. For the availability of your e-mail account and e-mail service settings, contact your e-mail service provider.
- Activate the e-mail service settings that you have obtained from your network operator or e-mail service provider, see [Options available for an e-mail application](#) on page 84.
- You also need to set the e-mail settings on your phone, see [E-mail settings](#) on page 82.

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

1. Press **Menu** and select *Messages, E-mail, Open* and *Create e-mail*.
2. Key in the recipient's e-mail address, press **Options** and select *Save*. Or: Press **Options** and select *Search* to search for the e-mail address in contacts and select *Save*.



3. You can key in the subject for the e-mail if you want, then press **Options** and select *Save*.
4. Key in the e-mail message, see [Writing text](#) on page 44. The number of characters that you can key in is shown on the top right of the display.
5. To send the e-mail message, press **Options** and select *Send e-mail*. Select
  - *Send now* to send the e-mail immediately. If you have not already connected to the e-mail account, your phone establishes the connection first and then sends the e-mail.
  - *Send later* to send your e-mail later and the e-mail is saved in the *Outbox* folder. If you want to edit or continue writing your e-mail later, you can save it in *Drafts* by selecting *Save draft msg.*.  
Sending the e-mail later: Press **Menu** and select *Messages, E-mail, Open, Outbox* and *Send now*.

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

The e-mail function uses shared memory, see [Shared memory](#) on page 19.

1. Press **Menu** and select *Messages, E-mail, Open* and *Retrieve* to download e-mail messages that have been sent to your e-mail account. Or:  
Press **Menu** and select *Messages, E-mail, Open* and *Send and retrieve* to download new e-mail messages and to send e-mails that have been saved in the *Outbox* folder.

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



2. Your phone makes a connection to the e-mail service. A status bar is shown, while your phone is downloading e-mail messages to your phone.
3. Press **Select** to view the new message in *Inbox*, or press **Back** to view it later.

Reading the e-mail later: Press **Menu** and select *Messages, E-mail, Open and Inbox*.

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

### Replying to an e-mail message

1. While reading or viewing the message, press **Options**.

You can, for example, delete, reply, reply to all, forward or archive the message you are reading.

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

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

3. Press **Options** and select *Send e-mail* and *Send now* to send the message to the displayed number.

### Inbox, Outbox, Deleted items, Sent items, Drafts and Archive folders

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

- *Inbox* for saving e-mails that you have downloaded from your e-mail account.
- *Outbox* for saving e-mails that have not been sent, if you have selected *Send later*, see [Writing and sending an e-mail](#) on page 79.



- *Deleted items* for e-mails that have been deleted.
- *Sent items* for saving e-mails that have been sent.
- *Drafts* for saving unfinished e-mails.
- *Archive* for organising and saving your e-mails.

## E-mail settings

1. Press **Menu** and select *Messages, E-mail, Open and Settings*.
2. Select *Mailbox in use* to view a list of mailboxes, then scroll to the one that you want to edit and select it.

You have five mailboxes that you can use for the e-mail settings of your phone for saving and retrieving e-mail messages.

3. Select *Edit active mailbox* and select each of the settings one by one. Key in all the required settings according to the information you have received from your e-mail service provider.
  - *Mailbox name*. Key in the name that you want to use for the mailbox.
  - *E-mail address*. Key in your e-mail address.
  - *My e-mail name*. Key in your name or nickname, if you want the recipient to see it.
  - *Outgoing (SMTP) server*. Key in the mail server address.
  - *Outgoing (SMTP) port*. Key in the number of the mail server port for outgoing e-mail. The most common default value is 25.



- *Use SMTP authorisation.* If your e-mail service provider requires authentication for sending e-mails, set the setting to on. You must also define your *SMTP user name* and *SMTP password*.
  - *SMTP user name.* Key in the name that you have obtained from your e-mail service provider to access your mailbox.
  - *SMTP password.* Key in the password that you want to use to access your mailbox. If you have not defined a password, you may be asked to define one when your phone connects to your e-mail account.
- *Include signature.* Confirm your selection if you want to add a predefined signature to your e-mail.
- *Incoming (POP3/IMAP) server.* Key in the e-mail server type for the incoming e-mail (either *POP3* or *IMAP4*)
- *Incoming (POP3/IMAP) port.* Key in the port number that you have obtained from your e-mail service provider.
- *POP3/IMAP user name* Key in the user name. If you have not defined your *SMTP user name*, the e-mail server uses this user name instead.
- *POP3/IMAP password.* Key in the password. If you have not defined your *SMTP password*, the e-mail server uses *POP3/IMAP password* instead.
- *Reply-to address.* Key in the e-mail address to which you want the replies to be sent, if it differs from your e-mail address.
- *Incoming server type.* Select either *POP3* or *IMAP4*.



- *Secure login APOP*. Select *On* if your connection requires a secure login, otherwise leave it to *Off*. Contact your service provider if in doubt. This option is shown only, if you have selected *POP3* as your mailbox type.
- *Retrieve mails*. Select *All* if you want to retrieve all your e-mails at once or select *User defined* if you want to retrieve only some of them at a time.

### Options available for an e-mail application

- *Web access* to restrict the application for accessing the network. Select *Ask first* and the phone will ask you to confirm net access, *Allowed* to allow the net access, or *Not allowed* not to allow the net access.
- *Service settings* to activate the network connection settings for your e-mail function. Select *Application* to activate the settings that are used for the e-mail function or select *Default* to confirm that your e-mail function uses the same settings as the WAP browser, see [Keying in the service settings manually](#) on page 135. Contact your e-mail service provider, if in doubt.
- *Details* to give additional information about the application.

### Chat

You can have a conversation with another person using this faster text messaging application. You cannot save received or sent messages, but you can view them while chatting. Each chat message is priced as a text message.



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

**Another way to start a chat:** When you have received a message, press **Show** to read it. To start a chat, press **Options** and select **Chat**.

2. Key in your nickname for the chat and press **OK**.
3. Write your chat message, see [Writing text](#) on page 44.
4. To send the message, press **Options** and select **Send**.
5. The reply message from the other person is shown above your original message.

To reply to the message, press **OK** and repeat steps 3 and 4.

6. To end the chat session, press **Options** and select **Quit**.

To view the most recent messages of the current chat session, press **Options** and select **Chat history**. The messages that you sent are indicated by "<" and your nickname, and the messages that you received are indicated by ">" and the sender's nickname. Press **Back** to return to the message you are currently writing. To edit your nickname, select the option **Chat name**.

## Voice messages

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

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



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

Each phone line may have its own voice mailbox number, see [Line for outgoing calls](#) on page 97.

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

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

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

## Info messages

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

If the *GPRS connection* is set to *Always online*, the info messages may not be received. In that case, set the *GPRS connection* to *When needed*, see [GPRS connection](#) on page 132.

## Message settings

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



## Settings for text messages

1. Press **Menu** and select *Messages, Message settings, Text messages* and *Sending profile*.
2. If more than one message profile set is supported by your SIM card, select the set you want to change.
  - Select *Message centre number* to save the phone number of the message centre that is required for sending text messages. You will receive this number from your service provider.
  - Select *Messages sent as* to select the message type: *Text, E-mail, Paging* or *Fax*.
  - Select *Message validity* to select the length of time for which the network should attempt to deliver your message.
  - For message type *Text*, select *Default recipient number* to save a default number for sending messages for this message profile.  
For message type *E-mail*, select *E-mail server* to save the e-mail server number.
  - Select *Delivery reports* to ask the network to send delivery reports about your messages (network service).
  - Select *Use GPRS* to set GPRS as the preferred SMS bearer. When the setting is set to on and the GPRS connection setting is *Always online*, the phone sends a text message over GPRS connection, if this is possible. See also [GPRS](#) on page 132.
  - Select *Reply via same centre* to allow the recipient of your message to send you a reply via your message centre (network service).



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

### Overwrite settings

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

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

### Settings for multimedia messages

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

- *Save sent messages*. Select *Yes* to set the phone to save sent multimedia messages in the *Sent items* folder. If you select *No*, the sent messages are not saved.
- *Allow multimedia reception*. Select *No*, *Yes* or *In home network* to use the multimedia service. If you select *In home network*, you cannot receive multimedia messages outside your home network.
- *Incoming multimedia messages*. Select *Retrieve* to set the phone to automatically fetch newly received multimedia messages, or select *Reject* if you do not wish to receive multimedia messages.



- **Connection settings.** Define WAP connection settings for retrieving multimedia messages. Activate the set where you want to save the connection settings and then edit the settings.
  - **Settings' name.** Key in a new name for the connection set and press **OK**.
  - **Homepage.** Key in the homepage address of the WAP service that you want to use, press  for a dot, and press **OK**.
  - **Session mode.** Select *Permanent* or *Temporary*.
  - **Data bearer.** Select *GPRS*.
  - **Bearer settings.** Select the settings for the selected data bearer.
    - **GPRS access point.** Key in the access point name to establish a connection to a GPRS network and press **OK**. You obtain the access point name from your network operator or service provider.
    - **IP address.** Key in the address, press  for a dot, and press **OK**. You obtain the IP address from your network operator or service provider.
    - **Authentication type.** Select *Secure* or *Normal*.
    - **User name.** Key in the user name and press **OK**.
    - **Password.** Key in the password and press **OK**.
- **Allow adverts.** You can receive or reject advertisements.

### To receive the multimedia connection settings as a text message

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



also visit Club Nokia's website ([www.club.nokia.com](http://www.club.nokia.com)). Availability may vary by country.

## Font size setting

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

## Service commands

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

## ■ Call register (Menu 2)

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



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

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



## Recent calls lists

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

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



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

- *Received calls* to view the list of the last ten phone numbers from which you have most recently accepted calls (network service).
- *Dialled numbers* to view the list of the last 20 phone numbers that you have most recently called or attempted to call. See also [Last number redialling](#) on page 38.
- *Delete recent call lists* to delete the recent calls lists. Select whether you want to delete all the phone numbers in the recent calls lists, or only the numbers in the missed calls, received calls or dialled numbers lists. You cannot undo the operation.

## Call counters and call timers



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



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

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

Each phone line has its own call timers and the timers of the selected line are displayed. See [Line for outgoing calls](#) on page 97.

- **Call costs** (network service). Select **Last call units** or **All calls' units** to check the cost of your most recent call or all calls in terms of units specified within the **Show costs in** function.

Select **Call cost settings** and select **Clear counters** to clear the counters, or select **Show costs in** to set the phone to show the remaining talk time in terms of charging units or units of currency. Contact your service provider for charging unit prices.

Select **Call cost limit** to limit the cost of your calls to a certain amount of charging units or units of currency. The PIN2 code is required for the call cost settings.



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

- **GPRS data counter.** Scroll to check the size of data that were sent or received in bytes, sent and received data in total, and to clear the counters. The security code is required to clear the counters.



- *GPRS connection timer*. Scroll to check the duration of the last GPRS connection or the total GPRS connection time. You can also clear the timers. The security code is required to clear the timers.

## ■ Profiles (Menu 3)



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

Press **Menu** and select *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 personalise the profile, select *Personalise*. Select the setting that you want to change and make the changes.

The settings can also be changed in the *Tone settings* menu, see [Tone settings](#) on page 102.

In addition you can rename a profile using a *Profile name*. The *General* profile cannot be renamed.





**Tip:** To quickly change the profile in standby mode

- when the flip is closed, press the power key , scroll to the profile that you want to activate and press **Select**.
- when the flip is open, press the profile key , scroll to the profile that you want to activate and press **Select**.

## ■ Settings (Menu 4)



### Time and date settings

#### Clock

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

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

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

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



## Date

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

Select *Show date* (or *Hide date*) to show (or hide) the date on the display in standby mode. Select *Set the date* to adjust the date. You can also select the date format.

## Auto update of date and time

Press **Menu** and select *Settings*, Time and date settings and *Auto-update of date & time* (network service). To set the phone to automatically update the time and date according to the current time zone, select *On*. To set the phone to ask for a confirmation before the update, select *Confirm first*.

The automatic update of date and time does not change the time you have set for the alarm clock, calendar or the alarm notes. They are in local time. Updating may cause some alarms that you have set to expire.

## Call settings

### Call divert

Press **Menu** and select *Settings*, *Call settings* and *Call divert* (network service).

With call divert, you can direct your incoming calls to another number, for example, to your voice mailbox number. For details, contact your service provider. Divert options that are not supported by your SIM card or your network operator may not be shown.

Select the divert option that you require, such as *Divert if busy* to divert the voice calls when your number is busy or when you reject an incoming call.



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

To see the divert indicators in standby mode, see [Essential indicators in standby mode](#) on page 24.

### Anykey answer

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

### Automatic redial

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

### Speed dialling

Press *Menu*, select *Settings, Call settings* and *Speed dialling*. Select *On* and the names and phone numbers assigned to the speed dialling keys, from  to  with the flip closed, or the corresponding number keys of the keyboard, can be dialled by pressing and holding the corresponding number key.



## Call waiting

Press **Menu** and select *Settings, Call settings* and *Call waiting*. Select *Activate* and the network will notify you of an incoming call while you have a call in progress (network service). See [Call waiting](#) on page 41.

## Summary after call

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

## Send my caller identity

Press **Menu** and select *Settings, Call settings* and *Send my caller identity*. Select *Yes* and your phone number will be displayed to the person you are calling (network service). Select *Set by network* and the setting agreed upon with your service provider is used.

## Line for outgoing calls

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

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

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



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



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

## Phone settings

### Language

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

### Memory status

Press **Menu**, and select *Settings, Phone settings* and *Memory status*. Scroll to view the amount of free memory, the total used memory and the used memory for each function.

You may also find the memory information in the menu of some functions, for example in the *Gallery* menu.

### Security keyguard

When the keypad is locked,  appears on top of the display. When you have set the security keyguard setting to *On* and activated it, the keypad lock remains active if you open the flip. Note that if you have activated the security keyguard, it does not protect your phone data from PC Suite access.

1. Press **Menu** and select *Settings, Phone settings* and *Security keyguard*.



2. Key in the security code and press **OK**. The security keyguard code is the same as your security code, see [Security settings](#) on page 104.

3. Select **On**, if you want to activate the security keyguard.

To activate the security keyguard, press **Menu** and , when the flip is closed. To deactivate the keyguard, press **Unlock** and **OK**, if the flip is open. If the flip is closed, press **Unlock** and , then key in the security code.

### Cell info display

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

If the [GPRS connection](#) is set to [Always online](#), the cell identity may not be received. In that case, set the [GPRS connection](#) to [When needed](#), see [GPRS connection](#) on page 132.

### Welcome note

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

### Network selection

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



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

### Confirm SIM service actions

See *SIM services (Menu 14)* on page 148.

### Help text activation

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

See also *Using the menu* on page 58.

### Start-up tone

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

## Display settings

### Wallpaper

You can set your phone to display a background image, known as wallpaper, when the phone is in standby mode. Some images are pre-saved in the *Gallery* menu. You can also receive images via multimedia messages, download them via the WAP service or use PC Suite from to transfer them from your PC and then save them in *Gallery*. Your phone supports JPEG, GIF, BMP and PNG formats.



### To select wallpaper

1. Press **Menu** and select *Settings, Display settings* and *Wallpaper*.
2. Select *Change image* to view the folder list in the *Gallery* menu.
3. Open the image folder and scroll to the desired image
4. To set the image as wallpaper, press **Options** and select *Set as wallpaper*

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

### To activate or deactivate the wallpaper

Press **Menu** and select *Settings, Display settings* and *Wallpaper*. To activate/deactivate the wallpaper, select *On/Off* respectively.

### Colour schemes

You can change the colour of some display components, for example indicators and signal bars.

Press **Menu** and select *Settings, Display settings* and *Colour schemes*. Select the desired colour scheme.

### Operator logo

To set your phone to display or hide the operator logo, press **Menu** and select *Settings, Display settings* and *Operator logo*. If you have not saved any operator logos, the *Operator logo* menu is dimmed.

Note that the operator logo is not displayed when the phone activates the screen saver. For more information on availability of an operator logo via SMS, MMS or WAP, contact your network operator or your WAP service provider.



## Screen saver

A digital clock screen saver is used for power saving in standby mode. It is activated when no function of the phone has been used for a certain time while the phone's flip is closed. Press any key to deactivate the screen saver or open the flip. The screen saver is also deactivated when the phone is out of the network coverage area.

Press **Menu** and select *Settings*, *Display settings* and *Screen saver timeout*. Select the timeout after which the screen saver will be activated. The length of the timeout can vary from 5 seconds to 60 minutes.

Note that the screen saver overrides all graphics and texts on the display in standby mode.

## Display brightness

You can change the brightness level of the phone display.

Press **Menu** and select *Settings*, *Display settings* and *Display brightness*. Move the joystick to the left to decrease and to the right to increase the brightness level, and press **OK** to accept it.

## Tone settings

Press **Menu** and select *Settings* and *Tone settings*. You can find the same settings in the *Profiles* menu, see [Profiles \(Menu 3\)](#) on page 93. Note that the settings you make, will change the settings in the active profile.

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



Select *Ringing tone* for incoming voice calls. To select ringing tones that have been saved in the *Gallery*, select *Open gallery* from the ringing tone list.

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



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

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

Select *Alert for* to set the phone to ring only upon calls from phone numbers that belong to a selected caller group. Scroll to the caller group that you want or *All calls* and press *Mark*.

## Accessory settings

Accessory settings menu is only shown if the phone is or has been connected to one of the following accessories: headsets HDB-4 or HDS-3, handsfree unit CARK126 or mobile inductive loopset LPS-4.

Press *Menu* and select *Settings* and *Accessory settings*. You can select *Headset*, *Handsfree* or *Loopset* if the corresponding accessory is or has been connected to the phone.



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

## Security settings



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

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

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



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

- **Closed user group.** Closed user group is a network service that specifies the group of people whom you can call and who can call you. For more information contact your network operator or service provider.
- **Security level.** Select **Phone** and the phone will ask for the security code whenever a new SIM card is inserted into the phone.  
Select **Memory** to set the phone to request the security code when the SIM card's memory is selected and you want to change the memory in use, see [Selecting settings for contacts](#) on page 50 or copy from one memory to another, [Copying contacts](#) on page 54.
- **Access codes** to change the security code, PIN code, PIN2 code or barring password. Codes can only include numbers from 0 to 9.

## Restore factory settings

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



## ■ Organiser (Menu 5)



### Alarm clock

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

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

- Select *Alarm time*, key in the alarm time and press **OK**.  
To change the alarm time, select *On*.
- Select *Alarm tone* and you can select a default alarm tone, personalise your alarm tone by selecting one from a ringing tone list or from the gallery, or set the radio as your alarm tone.  
If you select the radio as an alarm tone, your phone plays the last radio channel that you have listened to via loudspeaker. If the headset is removed, the default alarm tone will be used instead of the radio.

### When the alarm time expires

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

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

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





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

## Calendar

The calendar helps you to keep track of reminders, calls that you need to make, meetings, and birthdays.

The calendar uses shared memory, see [Shared memory](#) on page 19.

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



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

Scroll to the day you want. The current day is indicated by a frame around the day. If there are any notes set for the day, the day is in bold type. To view the notes for the day, press **Options** and select *Day notes*.

To view a single note, scroll to the note that you want to view, press **Options** and select *View*. The note view allows you to view the details of the selected note. You can scroll through the note.

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

- Options for making a note, or for sending a note via IR, or as a note directly to another phone's calendar or as a text message.
- Options for deleting, editing, moving and repeating a note and for copying a note to another day.
- *Settings* to set the date, time, date or time format, or the first day of the week. In the *Auto-delete* option you can set the phone to automatically delete old



notes after a specified time. However, the repeated notes, for example birthday notes, will not be deleted.

## Making a calendar note

For keying in letters and numbers, see [Writing text](#) on page 44.

Press **Menu** and select *Organiser* and *Calendar* or move the joystick to the right in standby mode to go to the monthly view. Scroll to the date that you want, press **Options** and select *Make a note*. Select one of the following note types:

-  *Meeting* - Key in the note, press **Options** and select *Save* (or search for the name in contacts and press **OK**). Key in the location of the meeting, press **Options** and select *Save*. Key in the start time for the meeting and press **OK**, and then key in the end time and press **OK**. To set the alarm for the note, select *With tone* or *Silent* (no alarm tone) and then set the alarm time.
-  *Call* - Key in the phone number, press **Options** and select *Save*. Key in the name, press **Options** and select *Save*. (Instead of keying in the phone number, you can search for the name and number in contacts). Then key in the time for the call and press **OK**. To set the alarm for the note, select *With tone* or *Silent* (no alarm tone) and then set the alarm time.
-  *Birthday* - Key in the person's name (or press **Options** and search for it in contacts and press **OK**), press **Options** and select *Save*. Then key in the year of birth, and press **OK**. To set the alarm for the note, select *With tone* or *Silent* (no alarm tone) and then set the alarm time.
-  *Memo* - Key in the note, press **Options** and select *Save* (or search for the name in contacts and press **OK**). Key in the end day for the note and press **OK**.



To set the alarm for the note, select *With tone* or *Silent* (no alarm tone) and then set the alarm time.

-  *Reminder* - Key in the subject for the reminder, press **Options** and select **Save** (or search for the name in contacts and press **OK**). To set the alarm for the note, select *Alarm on* and then set the alarm time.

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

### When the phone sounds an alarm for a note

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

### 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.

The to-do list uses shared memory, see [Shared memory](#) on page 19.

Press **Menu** and select *Organiser* and *To-do list* to view the list of notes. Press **Options** or scroll to the desired note and then press **Options**.

- To add a new note, select *Add*. Key in the subject for the note. When you have keyed in the maximum number of characters for a note, no further characters will be accepted. Press **Options** and select **Save**. Select the priority for the note



*High, Medium or Low.* The phone automatically sets the time of expiry without an alarm for the note.

For *Dictionary*, see [Setting predictive text input on or off](#) on page 46.

- You can also view and delete the selected note and delete all the notes that you have marked as completed. You can sort the notes by priority, send them to another phone, save them as a calendar note, or access the calendar. While viewing a note, you can also select an option to edit the selected note, edit the deadline or priority for the note, or mark the note as completed.

## ■ Notes (Menu 6)



**Note:** Your phone must be switched on to use this function.

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

You can use the *Notes* application for writing and sending notes via IR, SMS or MMS.

The Notes application uses shared memory, see [Shared memory](#) on page 19.

1. To access *Notes*, press **Menu** and select *Notes* or type any character when the messaging keyboard is open. The phone will ask you to set the date and time, if they have not already been set when you start to write a note.
2. Press **Options** and select *Make a note*, see [Writing text](#) on page 44.
3. Key in the note and select *Save*.



You can insert the current time and date to the note. If there is not enough space to insert them to the note, the phone will ask you to delete the appropriate number of characters from your note.

You can also send the note via IR, MMS, or as a text message (SMS). If the note is too long to be sent as a text message, the phone will ask you to delete the appropriate number of characters from your note.

The other options for notes include options for viewing, deleting, and editing a note. While editing a note, you can also exit the text editor without saving the changes.

## ■ Radio (Menu 7)



**Note:** Your phone must be switched on to use this function.

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

To listen to the radio on your phone, connect the headset HDS-3 (stereo) or HDB-4 (mono) to the headset connector on the bottom of the phone. The lead of the headset functions as the radio antenna, so let it hang freely.

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

1. To turn on the radio, press **Menu** and select *Radio*. The following are shown on the display:
  - The channel location number and the name of the radio channel.



- The frequency of the radio channel.
2. If you have pre-saved radio channels, you can scroll to the channel that you would like to listen to, or select a radio channel location from 1 to 9 by pressing the corresponding number key.  
When using the headset HDB-4 or HDS-3, press the headset key to scroll to the desired saved radio channel that you have saved.
  3. When the radio is on, press **Options** and select *Switch off* to turn off the radio.
-  **Tip:** To return to standby mode, press  briefly; to quickly turn off the radio, press and hold .

## Tuning a radio channel

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

 **Tip:** To quickly save the channel in locations 1 to 9, press and hold the corresponding number key, then key in the name of the channel and press **OK**.



## Using the radio

When the radio is on, press **Options** and select

- *Switch off* to turn off the radio.
- *Save channel* to save the radio channel that you have found, refer to [Tuning a radio channel](#) above. Up to 20 radio channels can be saved.
- *Automatic tuning*. Move the joystick up or down to start searching upwards or downwards for channels. The search stops when a channel has been found, press **OK**. To save the channel, see *Save channel* above.
- *Manual tuning*. Move the joystick up or down to start searching upwards or downwards for channels, or hold the joystick in the up or down position to search for channels more quickly. To save the channel, press **OK** and see *Save channel* above.



**Tip:** To quickly select *Manual tuning*, press  when in the *Radio* menu.

- *Set frequency*. If you know the frequency of the radio channel to which you would like to listen (between 87.5 MHz and 108.0 MHz), key it in and press **OK**. To save the channel, see the *Save channel* option.



**Tip:** To quickly select *Set frequency*, press  when in the *Radio* menu.

- *Delete channel*. To delete a saved channel, scroll to the desired channel, select **Delete** and **OK**.
- *Rename*. Key in a new name for the saved channel and press **OK**.



- *Loudspeaker* (or *Headset*) to listen to the radio through a loudspeaker (or headset). Keep the headset connected to the phone, because the lead of the headset functions as the radio antenna. Note that if you receive an incoming call, it is always routed to the headset.
- *Mono output* (or *Stereo output*) to listen to the radio in mono (or in stereo).

You can make a call or answer an incoming call while listening to the radio, the radio is muted. When you end the call, the radio will automatically be turned back on. You can also use other functions of the phone, for example, write messages or play games, while listening to the radio.

When an application using a GPRS or HSCSD connection is sending or receiving data, it may interfere with the radio.

## ■ Gallery (Menu 8)



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

You can save images and ringing tones, for example, that have been received in multimedia messages, in the folders of the gallery, see [Reading and replying to a multimedia message](#) on page 76.

The gallery uses shared memory, see [Shared memory](#) on page 19.

1. Press **Menu** and select *Gallery*. The list of options is shown.
2. Select *View folders* to open the list of folders.



Other available options are:

- *Add folder* to add a new folder. Key in a name for the folder and press **OK**.
- *Delete folder* to select a folder you want to delete. You cannot delete the folders that were originally on the phone.
- *Rename folder* to select a folder you want to rename. You cannot rename the folders that were originally on the phone.
- *Gallery downloads* to download more images and tones. Select *Image downloads* or *Tone downloads*. The list of available WAP bookmarks is shown. Select *More bookmarks* to access the list of WAP bookmarks in the *Services* menu, see [Bookmarks](#) on page 142.

Select the appropriate bookmark to connect to the desired WAP site. If the connection fails, you may not be able to access the WAP page from the WAP service whose connection settings are currently active. In this case, enter the *Services* menu and activate another set of service settings, see [Connecting to a WAP service](#) on page 138. Try again to connect to the WAP site.

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

3. Open the desired folder and the list of files in the folder is shown. *Graphics* and *Tones* are the original folders in the phone.
4. Scroll to the desired file. Press **Options** and some of the following options are available:
  - *Open* to open the selected file.



- *Delete* to delete the selected file.
- *Move* to move a file to another folder.
- *Rename* to give a new name to the file.
- *Set as wallpaper* to set the selected file as wallpaper.
- *Set as ring tone* to set the selected file as the ringing tone.
- *Details* to see the details of the file, for example, the size of the file.
- *Sort* to sort the files and folders by date, type, name or size.

## ■ Games (Menu 9)



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

### Launching a game

1. Press **Menu** and select *Games* and *Select game*.
2. Scroll to a game or a game set (the name depends on the game).
3. Press **Options** and select *Open* or press . If the selection is a single game, it will be launched.

Otherwise, a list of games in the selected game set is displayed. To launch a single game, scroll to the desired game and press **Options** and select *Open*, or press .



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

### Other options available for a game or game set

For Options for games, see [Other options available for an application or application set](#) on page 119.

### Game downloads

Press **Menu** and select *Games* and *Game downloads*. The list of available WAP bookmarks is shown. Select *More bookmarks* to access the list of WAP bookmarks in the *Services* menu, see [Bookmarks](#) on page 142.

Select the appropriate bookmark to connect to the desired WAP site. If the connection fails, you may not be able to access the WAP site from the WAP service whose connection settings are currently active. In this case, enter the *Services* menu and activate another set of service settings, see [Connecting to a WAP service](#) on 138. Try again to connect to the WAP site.

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

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



## Memory status for games

To view the amount of memory available for game and application installations, press **Menu** and select *Games* and *Memory*. See also [Memory status for applications](#) on page 121.

The games use shared memory, see [Shared memory](#) on page 19.

## Game settings

Press **Menu** and select *Games* and *Settings* to set sounds, lights and shakes for the game.

## ■ Applications (Menu 10)



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

This menu allows you to manage Java applications installed on your phone. Your phone software includes some Java applications that were specially designed for this Nokia phone. Various service providers offer other applications via WAP services or they can be downloaded to your phone from a PC using a data cable or an IR connection. Before you can use any of these applications you have to download them onto your phone.



## Launching an application

1. Press **Menu** and select *Applications* and *Select application*.
2. Scroll to an application or an application set (the name depends on the application).
3. Press **Options** and select *Open* or press . If the selection is a single application, it will be launched.

Otherwise, a list of applications in the selected application set is displayed. To launch a single application, scroll to the desired application and press **Options** and select *Open* or press .

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

## Other options available for an application or application set

- *Delete* to delete the application or application set from your phone.  
Note that if you delete a pre-installed application or an application set from your phone, you may download it again to your phone from the Nokia Software Market, [www.softwaremarket.nokia.com/wap](http://www.softwaremarket.nokia.com/wap) or [www.softwaremarket.nokia.com/6800](http://www.softwaremarket.nokia.com/6800).
- *Web access* to restrict the application from accessing the network. Select *Ask first* and the phone will ask you for net access, *Allowed* to allow the net access, or *Not allowed* not to allow the net access.
- *Update version* to check if a new version of the application is available for download from the WAP services.



- *Web page* to provide further information or additional data for the application from an Internet page. This is a network service and the menu is shown only if an Internet address has been provided with the application.
- *Details* to give additional information about the application.

## Downloading an application

You can download new Java applications in different ways:

- Press **Menu** and select *Applications* and *App. downloads* and the list of available WAP bookmarks is shown. Select *More bookmarks* to access the list of WAP bookmarks in the *Services* menu, see [Bookmarks](#) on page 142.

Select the appropriate bookmark to connect to the desired WAP site. If the connection fails, you may not be able to access the WAP page from the WAP service whose connection settings are currently active. In this case, enter the *Services* menu and activate another set of service settings, see [Connecting to a WAP service](#) on 138. Try again to connect to the WAP site.

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

- Press **Menu** and select *Services* to find a WAP page to download an appropriate Java application, see [Browsing the pages of a WAP service](#) on page 139.
- Use the game download function, see [Game downloads](#) on page 117.
- Use the Nokia Application installer from PC Suite to download the applications to your phone.





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

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

## Memory status for applications

To view the amount of memory available for game and application installations, press *Menu* and select *Applications* and *Memory*.

The applications use shared memory, see *Shared memory* on page 19.

## ■ Extras (Menu 11)



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

## Calculator

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

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

1. Press *Menu* and select *Extras* and *Calculator*.



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

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



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

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

### Performing a currency conversion

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



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

## Wallet

In *Wallet* you can save personal information, such as credit card numbers and make purchases using your phone.

You can access wallet via the *Wallet* menu or via the WAP browser, see [Options while browsing](#) on page 139.

When you access the wallet for the first time, you need to create your own wallet code. At *Create wallet code*: key in the code and press **OK** to confirm it and at *Verify wallet code*: key in the code again and press **OK**.

If you want to delete all the contents of the wallet and the wallet code, key in \*#7370925538# (or \*#res0wallet# in letters) in standby mode. You also need the phone's security code, see also [Access codes](#) on page 14.

## Saving and changing personal card information

To access the wallet, press **Menu**, select *Extras* and *Wallet*. If required, key in your wallet code and press **OK**. Select *Cards* to view the list of cards and scroll to the desired card. The maximum number of cards is five.

- To save information on a card, press **Options** and select *View*. Select
  - *Card info* to key in, for example, the card holder's name, card type, number and expiry information.
  - *User info* to save the user name and password.



- *Shipping info* to save your contact information.
- *Billing info* to save the contact information in case the invoicing address differs from your own, for example with company credit cards.
- *Receipt info* to save phone numbers and e-mail addresses to which you want the service provider to send a receipt of your purchase.
- To make a copy of the card, press **Options** and select *Copy card*.
- To delete all the information on the card, press **Options** and select *Clear card*.
- To rename the card, press **Options** and select *Rename card*.

### Personal notes

You can save up to 30 personal notes, for example passwords, codes or notations.

Press **Menu**, select *Extras*, *Wallet* and *Personal notes*. Press **Options** and you can view, add, edit a selected note and sort notes either by name or date. *Send as text* copies the note as a text message. *Copy to calendar* copies the note to the calendar as a memo. *Use number* extracts numbers from a note.

### Wallet settings

Press **Menu**, select *Extras*, *Wallet* and *Settings*. Select

- *Code request* to set the wallet code request to on or off. You need to key in the correct wallet code before you can set the code request to on or off.
- *Change code* to change the wallet code.



## Guidelines for paying for your purchases with wallet

1. Access the desired WAP site to do shoppings, see [Connecting to a WAP service](#) on page 138, and choose the product you want to buy.
2. To pay for your purchases, press **Options** and select *Use wallet info*, see [Options while browsing](#) on page 139.
3. Select the card with which you want to pay. Fill in the data form you receive from the service provider by transferring the credit card details from the wallet. If you want to fill in all the fields automatically, select *Fill in all fields*. The option is shown only when the WAP service supports the Electronic Commerce Modeling Language standard. You can also fill in the form by selecting information fields from the card one by one. The phone displays the completed form.
4. Approve the purchase and the information is forwarded.
5. You may receive a sign-in document from the WAP service that you must sign in to make the purchase binding, see [Digital signature](#) on page 147.
6. To close the wallet, select *Close wallet*. See [Options while browsing](#) on page 139.

## Synchronisation

You can save your calendar and contacts data on a remote Internet server or on a compatible PC. If you have saved data on the remote Internet server, you can synchronise your phone by starting the synchronisation from your phone. You can also synchronise the data in your phone's contacts and calendar to correspond with the data on your PC by starting the synchronisation from your PC.



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

## Synchronising from your phone

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

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

You may receive the synchronisation settings as a text message, see [Saving the synchronisation settings received as a text message](#) on page 127 or you may have to key in the settings manually, see [Keying in the synchronisation settings manually](#) on page 127.

To start the synchronisation from your phone:

1. Press **Menu** and select *Services*, *Active service settings* and select the connection settings that you need for synchronisation.

The synchronisation settings may differ from the service settings that are required for WAP browsing. After synchronising, change your *Active service settings* back to the previous ones if you want to use other WAP services later.

2. Mark the data that are going to be synchronised. See [Data to be synchronised](#) in [Keying in the synchronisation settings manually](#) on page 127.
3. Press **Menu** and select *Extras*, *Synchronisation* and *Synchronise*.



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

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

### **Saving the synchronisation settings received as a text message**

When you receive the synchronisation settings as a text message, *Synchronisation settings received* is displayed.

Press **Options** and select *Details* to view the received settings first, *Save* to save the synchronisation settings, or *Discard* to discard them.

### **Keying in the synchronisation settings manually**

Press **Menu** select *Extras*, *Synchronisation* and *Settings*.

Select *Active Internet sync. settings*.

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

Scroll to the set that you want to activate and press **Activate**.

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

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



- *User name*. Key in the user name and press **OK**.
- *Password*. Key in the password and press **OK**.
- *Synchronisation server*. Key in the name of the server and press **OK**.

## Synchronising from your PC

To synchronise contacts and calendar from your PC, use either an IR connection or a data cable. You will also need the PC Suite software of your phone installed on your PC. Start the synchronisation from your PC using PC suite. After synchronising, the data on the phone and on the PC are the same.

## Countdown timer

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

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

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



## Stopwatch

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



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

### Timing and split timing

1. Press **Menu**, select *Extras*, *Stopwatch* and *Split timing*. You can select *Continue* if you have set the stopwatch to run in the background.
2. Press **Start** to start timing. Press **Split** every time you want to record an intermediate time. The intermediate times are listed below the running time on the display. Scroll to view the times.
3. Press **Stop** to stop timing.
4. Press **Options** and select  
*Start* to start the timing again. The new time is added to the previous one.  
*Save* to save the time. Key in a name for the measured time and press **OK**. If no name is keyed in, the total time is used as the title.  
*Reset* to reset the time without saving it.



## Lap timing

Press **Menu**, select *Extras*, *Stopwatch* and *Lap timing*. Press **Start** to start timing and **Lap** to record a lap time. Press **Stop** to stop the lap timing. Press **Options** and you can save or reset the lap times. Refer to [Timing and split timing](#) above.

## Viewing and deleting times

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

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

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

## ■ Connectivity (Menu 12)



### Infrared

You can set up the phone to receive data through its infrared (IR) port. To use an IR connection, the device with which you want to establish a connection must be IrDA compliant. You can send or receive data such as business cards and calendar notes to or from a compatible phone or data device (for example a computer) via the IR port of your phone.

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.





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

### **Sending and receiving data via IR**

- Ensure that the IR ports of the sending and receiving devices are pointing at each other and that there are no obstructions between the devices. The preferable distance between the two devices in an infrared connection should be one meter at most.
- To activate the IR port of your phone to receive data via IR, press **Menu** and select *Connectivity* and *Infrared*.
- The user of the sending phone selects the desired IR function to start data transfer.

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

### **IR connection indicator**

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

Note that the IR connection deactivates automatically.



## GPRS

### GPRS connection

You can set the phone to automatically register to a GPRS network when you switch the phone on. Press **Menu** and select *Connectivity, GPRS, GPRS connection* and *Always online*. When you start an application using GPRS, the connection between the phone and the network is established, and data transfer is possible. When you end the application, the GPRS connection ends but the registration with the GPRS network remains.

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

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

### GPRS modem settings

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

Press **Menu** and select *Connectivity, GPRS* and *GPRS modem settings*. Select *Active access point* and activate the access point that you want to use. Select *Edit active access point* to change the access point settings.



- Scroll to *Alias for access point* and press **Select**. Key in the name that you would like for the activated access point and press **OK**.
- Scroll to *GPRS access point* and press **Select**. Key in the Access Point Name (APN) and press **OK**.

An access point name is needed to establish a connection to a GPRS network. You can obtain the Access Point Name from your network operator or service provider.

You can also set the GPRS dial-up service settings (Access Point Name) on your PC using the Nokia Modem Options software, see [PC Suite](#) on page 149. If you have set the settings on both your PC and on your phone, note that the PC's settings will be used.

## ■ WAP services (Menu 13)



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

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

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



The WAP services use Wireless Mark-Up Language (WML) on their WAP pages. Internet web pages cannot be viewed on your phone.

## Basic steps for accessing and using WAP services

1. Save the service settings that are required to access the WAP service that you want to use. See page 134.
2. Make a connection to the given WAP service. See page 138.
3. Start browsing the pages of the WAP service. See page 139.
4. Once you are finished browsing, end the connection to the WAP service. See page 141.

## Setting up the phone for a WAP service

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

You can also key in the settings manually or add and edit the settings using PC Suite. For the appropriate settings, contact your network operator or service provider. The WAP settings may be available, for example, on their website.

## Saving the service settings received as a text message

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



- To save the received settings, press **Options** and select **Save**.  
If no settings are saved in *Active service settings*, the settings are saved in the first free connection set and are also activated.  
If there are settings saved in *Active service settings*, *Activate saved service settings?* will be displayed. To activate the saved settings, press **Yes**, or to save them only, press **No**.
- To discard the received settings, press **Options** and select **Discard**.
- To view the received settings first, press **Options** and select **View**. To save the settings, press **Save**.

### Keying in the service settings manually

1. Press **Menu** and select *Services*, *Settings* and *Connection settings*.
2. Select *Active service settings*.

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

3. Scroll to the set you would like to activate and press **Activate**.
4. Select *Edit active service settings*.

Select each of the settings one by one and key in all the required settings.

- *Setting's name* - Key in the new name for the connection set and press **OK**.
- *Homepage* - Key in the homepage address of the WAP service that you want to use, press for a dot, and press **OK**.
- *Session mode* - Select *Permanent* or *Temporary*.



- *Connection security* - Select *On* or *Off*.

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

- *Data bearer* - Select *GMS data* or *GPRS*.
- *Bearer settings* - Settings for the selected bearer, see [Settings when GSM data is the selected data bearer](#) and [Settings when GPRS is the selected data bearer](#) below.

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

## Settings when GSM data is the selected data bearer

- *Dial-up number* - Key in the phone number and press **OK**.
- *IP address* - Key in the address, press  for a dot, and press **OK**. You obtain the IP address from your network operator or service provider.
- *Authentication type* - Select *Secure* or *Normal*.
- *Data call type* - Select *Analogue* or *ISDN*.
- *Data call speed* - Select the speed you want to use, or select *Automatic*. *Automatic* is available only if the current selected data call type is *Analogue*. The actual data call speed depends on the service provider.
- *Login type* - Select *Manual* or *Automatic*.



- *User name* - Key in the user name and press **OK**.
- *Password* - Key in the password and press **OK**.
- *Display terminal window* - Select *Yes*, if you want the server to perform user authentication when you access intranet sites during a dial-up connection.

## Settings when GPRS is the selected data bearer

- *GPRS access point* - Key in the access point name and press **OK**.  
An access point name is needed to establish a connection to a GPRS network. You obtain the access point name from your network operator or service provider.
- *IP address* - Key in the address, press  for a dot, and press **OK**. You obtain the IP address from your network operator or service provider.
- *Authentication type* - Select *Secure* or *Normal*.
- *Login type* - Select *Manual* or *Automatic*. If you select *Automatic*, the login type uses the user name and password keyed in the following settings. If you select *Manual*, the login information is required each time when establishing a connection.
- *User name* - Key in the user name and press **OK**.
- *Password* - Key in the password and press **OK**.



## Connecting to a WAP service

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

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

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

- Open the homepage of the WAP service:

Press **Menu** and select *Services* and *Home*.



**Tip:** To quickly open the homepage of a WAP service when the flip is closed, press and hold  in standby mode. When the flip is open, press the corresponding number key.

Or:

- Select a bookmark of the WAP service:

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

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

Or:

- Key in the address of the WAP service:

Press **Menu** and select *Services* and then *Go to address*. Key in the address of the WAP service, press  for special characters (or  if the flip is open), and press **OK**.



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

## Browsing the pages of a WAP service

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

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

## Using the phone keys while browsing

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

## Options while browsing

Press **Options** and select one of the options available. The service provider may also offer other options. Select



- *Home* to return to the homepage of the WAP service.
- *Bookmarks*. See page 142.
- *Call, Edit, Open row, Open, Open list* to call, to key in text or to select a highlighted item on the WAP page.
- *Add bookmark* to save the WAP page as a bookmark.
- *View image* or *View images* to view images and animations from the WAP page.
- *Go to address* to key in the address of the WAP service you want to access.
- *Service inbox*. See page 143.
- *Use wallet info* and *Close wallet*. See [Guidelines for paying for your purchases with wallet](#) on page 125.
- *Appear. settings*. See [Appearance settings of the WAP browser](#) on page 141.
- *Cookies*. See page 147.
- *Use detail* to copy a number from the WAP page for saving or making a call. If the WAP page contains several numbers, you can select the desired one.
- *Reload* to reload and update the current WAP page.
- *Clear the cache*. See [The cache memory](#) on page 144.
- *Security info* to view security information about the current WAP connection and the server.
- *Quit*. See [Ending a WAP connection](#) on page 141.



## Direct calling

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

## Ending a WAP connection

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

Alternatively, press . If *GSM data* is the selected data bearer, press  twice. The phone ends the connection to the WAP service.

## Appearance settings of the WAP browser

1. While browsing, press **Options** and select *Appear. settings*, or in standby mode, press **Menu** and select *Services, Settings and Appearance settings*.
2. Select *Text wrapping* or *Show images*.
3. Select *On* or *Off* for *Text wrapping* and *Yes* or *No* for *Show images*.

When *Text wrapping* is set to *On*, the text continues on the next line if it cannot be shown on one line. If you select *Off*, the text is abbreviated, if it is too long to be shown on one line.

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



## Bookmarks

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

1. While browsing, press **Options** and select **Bookmarks**, or in standby mode, press **Menu** and select **Services** and **Bookmarks**.
2. Scroll to the bookmark you want to use and press **Options**.
3. Select one of the following options:
  - Go to* to make a connection to the WAP page associated with the bookmark.
  - View, Edit* or *Delete* to view, modify or delete the selected bookmark.
  - Send* to send the selected bookmark directly to another phone, select *As bookmark*, or to send the bookmark as a text message, select *As text message*.
  - New bookmark* to create a new bookmark without connecting to the WAP service. Key in the address and the title of the WAP page and press **OK**.

Note that your phone may have some pre-installed bookmarks for sites that are not affiliated to Nokia. Nokia does not guarantee or endorse these sites. If you choose to access them, you should take the same precautions for security and content as you would with any Internet site.

### Receiving a bookmark

When you have received a bookmark, *1 bookmark received* is displayed. Press **View**, then press **Options** and select **View** to view the bookmark, **Save** to save the bookmark, or **Discard** to discard it.



## Service inbox

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

To access the *Service inbox* in standby mode, when you have received a service message, press **View**.

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

To access the *Service inbox* while browsing, press **Options** and select *Service inbox*. Scroll to the message you want, press **Options** and select

- *Retrieve* to activate the WML browser and download the marked content.
- *Details* to display detailed information on the service notification.
- *Delete* to delete the selected service notification.

## Setting the phone to receive service messages

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



## The cache memory



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

To empty the cache,

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

## Browser security settings

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

### Security module

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

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

- *Security module details* to show the security module title, its status, manufacturer and serial number.



- *Module PIN request* to set the phone to ask for the module PIN when using services provided by the security module. Key in the code and select *On*. To disable the module PIN request, select *Off*.
- *Change module PIN* to change the module PIN, if allowed by the security module. Key in the current module PIN code, then key in the new code twice.
- *Change signing PIN* to view a list of signing PINs. Select the signing PIN that you want to change. Key in the current PIN code, then key in the new code twice.

See also [Access codes](#) on page 14.

## Certificates

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

- Server certificates

The phone uses a server certificate to create a secure connection to the WAP service provider. The phone receives the server certificate from the service provider before the connection is established and its validity is checked using the authority certificates saved in the phone. Server certificates are not saved. The phone indicates whether the identity of the WAP server or WAP gateway can be verified, whether the WAP server or WAP gateway certificate is authentic, and whether you have the correct authority certificate on your phone.



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

However, the security indicator is not an indication that the data transmission between the gateway and the content server (place where the requested resource is saved) is secure. It is up to the service provider to secure the data transmission between the gateway and the content server.

- Authority certificates

For using some WAP services, such as banking services, and for checking the validity of other certificates, you need an authority certificate. You can download the certificate from a WAP site, if the WAP service supports the use of authority certificates. If you save the certificate, it is added to the certificate list in the phone. Authority certificates may also be available in the security module.

- User certificates

User certificates are issued to users by a Certifying Authority. User certificates are required, for example, to create a digital signature and they associate the user with a specific private key in a security module. User certificates are saved in the security module by the service provider, or you can download them to your phone from a WAP site, if supported by the security module of the SIM card.



## Digital signature

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

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

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



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

To add the digital signature text, read all of the text first and then select *Sign*.



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

Select the user certificate you want to use. Key in the signing PIN (see [Access codes](#) on page 14) and press **OK**. The digital signature icon will disappear and the WAP service may display a confirmation of your purchase.

## Cookies

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



A cookie is data that a WAP site saves in your phone's browser cache memory. The data can be, for example, your user information or your browsing preferences. Cookies will be saved until you clear the cache memory, see [The cache memory](#) on page 144.

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

## ■ SIM services (Menu 14)

In addition to the functions that are available on the phone, your SIM card may provide additional services that you can access in Menu 14. Menu 14 is only shown if it is supported by your SIM card. The name and contents of the menu depend entirely on the service available.



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

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

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



## 8. PC Connectivity

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You can access the Internet when your phone is connected to a compatible PC via an IR connection or a data cable. You can use your phone with a variety of PC connectivity and data communications applications. With PC Suite you can, for example send text and picture messages, synchronise contacts, calendar, to-do notes and notes between your phone and the PC, and manage your WAP bookmarks and connection settings.

You can find more information and downloadable files on the Nokia website, [www.nokia.com/support/phones/6800](http://www.nokia.com/support/phones/6800).

### ■ PC Suite

The PC Suite contains the following applications :

- **Nokia Application Installer** to install Java applications from the PC to the phone.
- **Nokia Image Converter** to modify images as pictures for multimedia messages, wallpapers or operator logos and to transfer them to your phone.
- **Nokia Sound Converter** to modify polyphonic ringing tones to make them compatible with your phone and transfer them to your phone.
- **Nokia Content Copier** to copy data or back-up data from your phone to your PC or to another Nokia phone.



- **Nokia PC WAP Manager** to edit and send your WAP bookmarks or update the connection sets on your phone.
- **Nokia Phone Editor** to send text messages (SMS) and edit contacts, and message settings of your phone.
- **Nokia Phone Browser** to browse and modify picture and audio files in the phone's memory and to transfer them between phone and PC.
- **Nokia PC Sync** to synchronise contacts, calendar and to-do notes between your phone and your PC.
- **Nokia 6800 data modem drivers** enable you to use your phone as a modem.
- **Nokia Modem Options** contains settings for HSCSD and GPRS connections.
- **Nokia Connection Manager** to select the connection type between the PC and the phone.

## GPRS, HSCSD and CSD

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

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

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

See [GPRS modem settings](#) on page 132.



## ■ Using data communications applications

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

1. If you use an IR connection:

- Activate the IR connection in the phone, see [Infrared](#) on page 130. Make sure that the connection is active on your PC.

If you use the cable DKU-5:

- Connect the cable to the USB port on your computer and to the connector on your phone.

2. Start using the data communications application on the computer.

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

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



## 9. Battery information

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### ■ Charging and Discharging

Your phone is powered by a rechargeable battery.

Note that a new battery's full performance is achieved only after two or three complete charge and discharge cycles!

The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time (talk-time and standby time) is noticeably shorter than normal, it is time to buy a new battery.

Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer. Unplug the charger when not in use. Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its lifetime. If left unused a fully charged battery will discharge itself over time.

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

Use the battery only for its intended purpose.

Never use any charger or battery which is damaged.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes direct connection of the + and - terminals of the battery (metal strips on the battery) for example when you carry a spare battery in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59° F and 77° F). A phone with a hot or cold battery may



temporarily not work, even when the battery is fully charged. Batteries' performance is particularly limited in temperatures well below freezing.

Do not dispose of batteries in a fire !

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



# CARE AND MAINTENANCE

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Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfil any warranty obligations and to enjoy this product for many years.

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

All of the above suggestions apply equally to your phone, battery, charger or any accessory. If any of them is not working properly, take it to your nearest qualified service facility. The personnel there will assist you and, if necessary, arrange for service.



# IMPORTANT SAFETY INFORMATION

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## ■ Traffic Safety

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

Remember road safety always comes first!

## ■ Operating environment

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

Use the phone only in its normal operating positions.

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

## ■ Electronic devices

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



## Pacemakers

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

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

## Hearing aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider.

## Other medical devices

Operation of any radio transmitting equipment, including cellular phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.



## Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (e.g. electronic fuel injection systems, electronic anti-skid (anti-lock) braking systems, electronic speed control systems, air-bag systems). Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

## Posted facilities

Switch your phone off in any facility where posted notices so require.

## ■ Potentially explosive atmospheres

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone when at a refuelling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using liquified petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.



## ■ Vehicles

Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the unit.

Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Using your phone while in the air is prohibited. Switch off your phone before boarding an aircraft. The use of wireless telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network and may be illegal.

Failure to observe these instructions may lead to suspension or denial of telephone services to the offender, or legal action or both.

## ■ Emergency calls



**Important:** This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions. Because of this, connections in all conditions can not be guaranteed. Therefore, you should never rely solely upon any wireless phone for essential communications (e.g. medical emergencies).

Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.



### To make an emergency call:

1. If the phone is not on, switch it on. Check for adequate signal strength.  
Some networks may require that a valid SIM card is properly inserted in the phone.
2. Press  as many times as needed (e.g. to exit a call, to exit a menu, etc.) to clear the display and ready the phone for calls.
3. Key in the emergency number for your present location (e.g. 112 or other official emergency number). Emergency numbers vary by location.
4. Press the  key

If certain features are in use, you may first need to turn those features off before you can make an emergency call. Consult this guide and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your wireless phone may be the only means of communication at the scene of an accident - do not cut off the call until given permission to do so.

### ■ Certification information (SAR)

THIS MODEL PHONE MEETS THE EU REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radiofrequency (RF) energy recommended by The Council of the European Union. 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 limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit recommended by The Council of the



European Union is 2.0 W/kg.\* Tests for SAR have been conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station antenna, the lower the power output.

Before a phone model is available for sale to the public, compliance with the European R&TTE directive must be shown. This directive includes as one essential requirement the protection of the health and the safety for the user and any other person. The highest SAR value for this model phone when tested for compliance against the standard was 0.62 W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the EU requirements for RF exposure.

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



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# LIMITED MANUFACTURER'S WARRANTY

## PART OF EUROPE & AFRICA REGION

This limited warranty shall apply in part of Nokia Mobile Phones' Europe & Africa Region unless a local warranty exists. Nokia Corporation, Nokia Mobile Phones ("Nokia") warrants that this NOKIA product ("Product") is at the time of its original purchase free of defects in materials, design and workmanship subject to the following terms and conditions:

1. This limited warranty is given to the end-purchaser of the Product ("Customer"). It shall neither exclude nor limit i) any mandatory statutory rights of the Customer or ii) any of the Customer's rights against the seller/dealer of the Product.
2. The warranty period is twelve (12) months from the date on which the first Customer purchased the Product. In case of a subsequent purchase or other change of owner/user, such warranty period shall continue for the remaining part of the twelve (12) month period and otherwise remain unaffected. This limited warranty is only valid and enforceable in the following countries: Bosnia, Bulgaria, Croatia, Cyprus, the Czech Republic, Estonia, any member state of the European Union, Hungary, Iceland, Israel, Latvia, Lithuania, Macedonia, Malta, Norway, Poland, Romania, the Slovak Republic, Slovenia, Switzerland and Turkey.
3. During the warranty period Nokia or its authorized service company will repair or replace, at Nokia's sole discretion, a defective Product. Nokia will return the repaired Product or another Product to the Customer in good working condition. All parts or other equipment for which replacements have been provided shall become the property of Nokia.
4. A repaired or replaced Product will not be given a prolonged or renewed warranty period.
5. This limited warranty will not cover painted covers or other similar personalized parts. In all cases that require unlocking or locking of an operator SIM-lock, Nokia will first direct the Customer to such operator for unlocking or locking of the operator SIM-lock before repairing or replacing the Product.
6. This limited warranty shall not apply to deterioration due to normal wear and tear. This limited warranty shall further not apply if:

(i) the defect was caused by the fact that the Product has been subjected to: use in contradiction with the owner's/user manual, rough handling, exposure to moisture, dampness or extreme thermal or environmental conditions or rapid changes in such conditions, corrosion, oxidation, unauthorized modifications or connections, unauthorized opening or repair, repair by use of unauthorized spare parts, misuse, improper installation, accident, forces of nature, spillage of food or liquid, influence from chemical products or other acts beyond the reasonable control of Nokia (including but not limited to deficiencies in consumable parts, such as batteries

which all by their nature have a limited lifetime, and breakage or damage to antennas) unless the defect was caused directly by defects in materials, design or workmanship;

- (ii) Nokia or its authorized service company was not notified by the Customer of the defect within thirty (30) days after the appearance of the defect within the warranty period;
  - (iii) the Product was not returned to Nokia or its authorized service company within thirty (30) days after the appearance of the defect within the warranty period;
  - (iv) the Product serial number, the accessory date code or the IMEI number has been removed, erased, defaced, altered or is illegible;
  - (v) the defect was caused by a defective function of the cellular network;
  - (vi) the defect was caused by the fact that the Product was used with or connected to an accessory not manufactured and supplied by Nokia or used in other than its intended use;
  - (vii) the defect was caused by the fact that the battery was short-circuited or seals of the battery enclosure or cells were broken or show evidence of tampering or the battery was used in equipment other than for which it has been specified; or
  - (viii) the Product software needs to be upgraded due to changes in cellular network parameters.
7. To claim this limited warranty the Customer shall present either i) a legible and non-modified original warranty card which clearly indicates the name and address of the seller, the date and place of purchase, the product type and the IMEI or other serial number or alternatively ii) a legible and non-modified original purchase receipt which contains the same information, if such purchase receipt is presented to the seller/dealer of the Product.
  8. This limited warranty is the Customer's sole and exclusive remedy against Nokia and Nokia's sole and exclusive liability against the Customer for defects or malfunctions of the Product. This limited warranty replaces all other warranties and liabilities, whether oral, written, (non-mandatory) statutory, contractual, in tort or otherwise. Nokia is in no event liable for any incidental, consequential or indirect damage, costs or expenses. Neither is Nokia in any event liable for any direct damage, costs or expenses, if the Customer is a legal person.
  9. Any change or amendment to this limited warranty requires Nokia's prior written consent.

