Extended User's Guide



9356055
Issue 2

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FOR YOUR SAFETY

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



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



ROAD SAFETY COMES FIRST
Don't use a hand-held phone while driving.



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



SWITCH OFF IN HOSPITALS
Follow any regulations or rules. Switch the phone off near medical equipment.



SWITCH OFF IN AIRCRAFT
Wireless devices can cause interference in aircraft.



SWITCH OFF WHEN REFUELLING
Don't use the phone at a refuelling point. Don't use near fuel or chemicals.



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



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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.



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

■ Network services

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

Dual mode (operation in both GSM/EGSM and UMTS networks) is a network dependent feature. Check with your local service provider if you can subscribe to and use this feature.

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

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

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

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

■ About accessories

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



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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.



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General information

■ Stickers in the sales package

The stickers contain important information for services and customer support purposes. Keep these stickers in a safe and secure place.

Attach the A sticker to the Club Nokia Invitation Card supplied in the sales package.

Attach the B sticker to your warranty card.

■ Access codes

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

  The preset code is 12345. Change the code and set the phone to request it using the *Change of access codes* and *Security level* functions in the *Security settings* menu (see page 102). Keep the new code secret and in a safe place separate from your phone.

- **PIN code:** The PIN (Personal Identification Number) code may be supplied with the SIM card. It protects the SIM card against unauthorised use. If you activate the *PIN code request* function in the *Security settings* menu (see page 102), the code is requested each time the phone is switched on.



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

- **PIN2 code:** This code may be supplied with the SIM card and is required to access some functions, such as charging unit counters. If you enter an incorrect PIN2 code three times in succession, you are asked for the PUK2 code.
- **PUK and PUK2 codes:** The PUK and PUK2 codes may be supplied with the SIM card. If this is not the case, contact your service provider.
- **Barring password:** The barring password is needed when using the *Call barring service* function in the *Security settings* menu, see page 102.
- **Wallet code:** The wallet code is needed to use the wallet services, see page 116.
- **UPIN and UPUK codes:** The UPIN code may be supplied with the USIM card. The USIM card is an enhanced version of the SIM card and is supported by UMTS mobile phones.

  The UPIN code protects the USIM card against unauthorised use.

  The UPUK code may be supplied with the USIM card and is needed to unblock a UPIN code.



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Nokia 6650 phone – for fun and work

The Nokia 6650 phone is a versatile multimedia phone that provides many convenient features for daily use. Some of these features are briefly described here.

■ Camera and multimedia messages

Your phone has a built-in camera that can be used for taking photos and recording short video clips with sound. After you have taken a photo or a video clip, you can attach it to a multimedia message and send it via the Multimedia Messaging Service (MMS) to a compatible device (network service).

The photos can also be used as wallpaper in standby mode or as thumbnail pictures in the phone book.

■ Support for GSM and UMTS networks

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

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

The phone selects the GSM or UMTS network automatically according to the network parameters and the roaming agreements between the network operators.



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■ GPRS and HSCSD for fast data transfer

You can use the phone for GPRS (General Packet Radio Service) and HSCSD (High Speed Circuit Switched Data) high-speed data services. These are network services.

GPRS

GPRS can be used for accessing browser services, sending and receiving text and multimedia messages and downloading Java™ games and applications (network services). When the phone is connected to a compatible PC, you can also use different Internet services such as World Wide Web (WWW) and e-mail (network services) via a PC dial-up connection.

To use the GPRS service:

- Subscribe to the GPRS service from your network operator or service provider.
- Save the GPRS settings for the functions (for example multimedia messages and browser services) that you want to use with the GPRS service.

HSCSD

HSCSD can be used for transferring data and browsing the Internet when the phone is connected to a compatible PC.

Note that the use of the 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.



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■ Voice key

You can start a voice recording or make a call using voice dialling with the voice key on the side of the phone.

To start voice recording, press . To activate voice dialling, press and hold . See also Voice dialling on page 85 and Voice commands on page 125.

■ Java applications

Your phone supports Java 2 Micro Edition (J2ME™), which is a version of Java technology specifically designed for small consumer electronics products. The phone includes some Java applications and games.

You can install new applications and games from a PC with the Java installer software or download them from browser services. See Applications (Menu 10) on page 120.

■ USB port for fast local connections

The phone's Pop-Port™ connector includes a Universal Serial Bus (USB) port that allows fast data transfer between the phone and a PC via the DKU-2 cable. The PC needs to be provided with a compatible USB port. The DKU-2 cable is supplied separately.

For the USB connection, one of the following operating systems needs to be installed on your PC: Windows 98 SE, Windows Me, Windows 2000, Windows XP.



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■ Receiving settings as an Over-the-Air (OTA) message

In order to use network services such as WAP, MMS and GPRS, you need to have the proper settings on your phone. If you can receive the settings as an Over-the-Air (OTA) message, you only need to save them on your phone. For availability of the settings, contact your network operator or service provider.

■ Shared memory

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

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

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

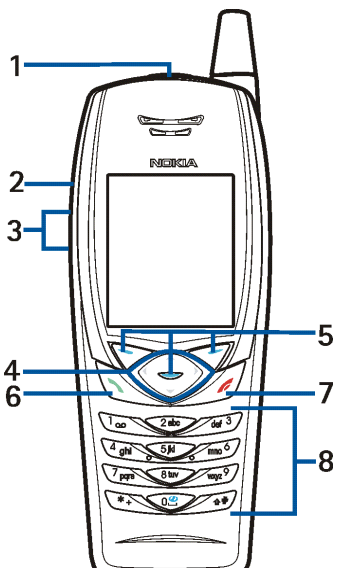
You can check the amount of free and used shared memory with the *Memory status* function in the *Phone settings* menu, see page 96.



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1. Your phone

■ Keys



1. **Power key**

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

   If you press this key while the keypad is locked, the phone's lights turn on for about 15 seconds.

2. **Voice key**

   Press this key to start voice recording. Press and hold this key to activate voice dialling. See also Using the voice key on page 41.

3. **Volume keys**

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

4. **Scroll keys** , , **and**

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



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5. **Three selection keys**

   Each key performs the function that is displayed above it. For example, pressing **Menu** in standby mode opens the list of menu functions.

6. dials a phone number or answers a call. Pressing this key in standby mode shows the most recently dialled numbers.
7. ends an active call or rejects a call. **Exits from any function.**
8. 0 - 9 wxyz enter numbers and characters.

   * and # are used for various purposes in different functions.

Three selection keys

The function of these keys depends on the guiding text displayed above them.

The left selection key ( ) usually opens a list of options related to the currently displayed function. In standby mode, this selection key is **Gallery**.

The middle selection key ( ), located in the middle of the scroll keys, usually performs the default operation of the current function. In standby mode, this selection key is **Menu**.

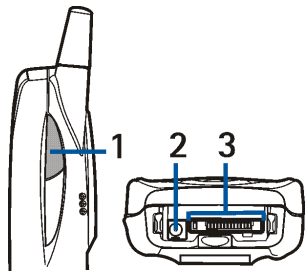
The right selection key ( ) usually takes you back to the previous menu level in the menu functions. In standby mode, the function of this key depends on the settings in the *Personal shortcuts* menu under the *Settings* menu, see page 92. In standby mode, this key is **Names** if no other functions are assigned to it. Otherwise the key is **Go to** which allows you to quickly access the functions on the list.



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■ Connectors

1. Infrared port for wireless connection with a compatible device.
2. Charger connector
3. Pop-Port™ connector with an integrated USB port. See USB port for fast local connections on page 20.



■ Standby mode and display indicators

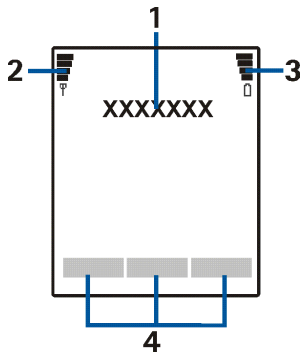
When the phone is ready for use and you have not keyed in any characters, the phone is in standby mode.



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1. Shows the name of the network in which the phone is being used, or the operator logo.
2. Shows the signal strength of the cellular network at your current location. The higher the bar, the stronger the signal.

   The indicator below the bar is  when you are using the phone in a UMTS network.
3. Shows the battery charge level. The higher the bar, the more power in the battery.
4. Guiding texts for the three selection keys, see page 23.



Wallpaper and screen saver

You can set the phone to display a background picture, 'wallpaper', when the phone is in standby mode.

Screen saver is a power saving feature that is activated in standby mode if the phone is not used for a certain length of time.

For more information, see Display settings on page 98.

Essential indicators

 The phone is being used in a UMTS network. This indicator is shown if the network supports it. See also Support for GSM and UMTS networks on page 18.



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You have received a text or picture message. See Reading and replying to a text or picture message on page 59.

You have received a multimedia message. See Reading and replying to a multimedia message on page 66.

You have received a voice message (network service). Press **Listen** to call your voice mailbox. See also Voice messages on page 70.

The phone's keypad is locked. See Keypad lock (Keyguard) on page 42.

The phone does not ring for an incoming call or text message because *Incoming call alert* is set to *Off* and *Message alert tone* is set to *Off*. See Profiles (Menu 4) on page 91 and Tone settings on page 100.

The alarm clock is on. See page 110.

The countdown timer is on. See page 126.

The stopwatch is running in the background. See page 127.

The GPRS connection is active.

The GPRS connection is suspended, for example if you have received or made a call during a GPRS connection. This indicator is shown in GSM networks only.

The infrared connection is active. When the indicator blinks, your phone is trying to connect to the other device or the connection has been lost. See Infrared on page 132.



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All your calls are diverted to another number. See *Call divert* on page 94.

The loudspeaker is active. See Using the loudspeaker on page 40.

Calls are limited to a closed user group. See Security settings on page 102.

The timed profile has been activated. See Profiles (Menu 4) on page 91.

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

The camera is active. The indicator is red when you are recording a video clip. See Using the camera on page 33.

The Bluetooth feature is on. When the indicator blinks, a Bluetooth connection is being established. See Bluetooth wireless technology on page 129.

To set the phone to show the time and date in standby mode, see the *Clock* and *Date* settings in the *Time and date settings* menu, see page 93.



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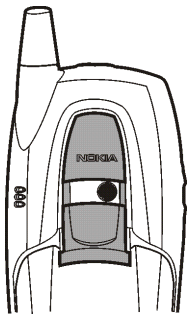
■ Using the camera lens cover

The phone has a built-in camera that can be started by opening the lens cover at the back of the phone.

To open the cover, slide it towards the bottom of the phone to the position shown in the figure.

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

See also Using the camera on page 33.



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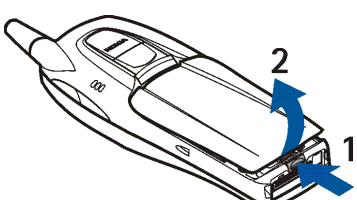
2. Getting started

■ Installing the SIM card and the battery

- Keep all miniature SIM cards out of the reach of small children.
- The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.
- Before installing or removing the SIM card, always switch off the power and disconnect the phone from the charger and any other device.

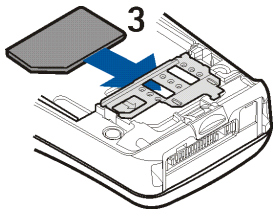
Installation

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

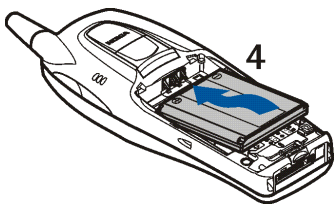


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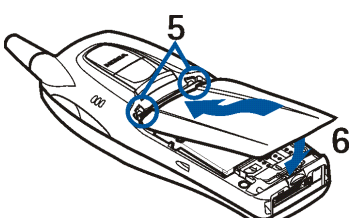
2. Slide the SIM card into the SIM card holder (3). Make sure that the SIM card is inserted properly and that the golden contact area on the card is facing downwards.



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



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

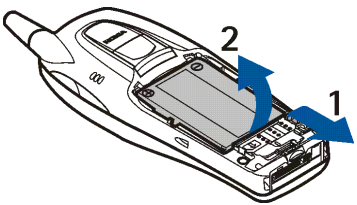


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Removing the battery

If you need to remove the battery:

1. Remove the back cover.
2. Push the battery catch towards the bottom of the phone (1).
3. Lift the battery off the phone (2).
4. Install a new battery and replace the cover in the same way as when you install a SIM card.

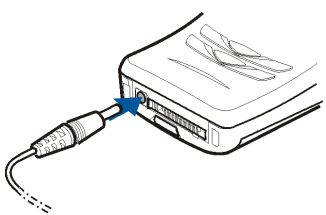


■ Charging the battery

- Do not charge the battery when the back cover of the phone is removed. See also Battery information on page 150.

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

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



   - Charging the battery supplied with the phone takes about two hours when using the ACP-12 charger.



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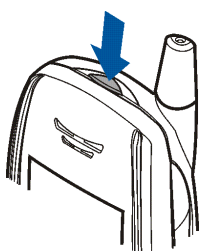
- If *Not charging* is displayed, wait for a while, disconnect the charger, plug it in again and retry. If charging still fails, contact your dealer.
- You can use the phone during charging.

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

■ Switching the phone on and off

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

Press and hold the power key ⏻.

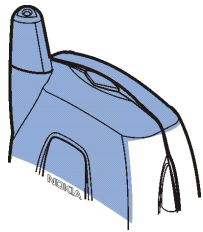


- If the phone asks for a PIN or UPIN code or security code, key in the code and press **OK**. See also Access codes on page 16.
- If the phone displays *Insert SIM card* even though the SIM card is properly inserted, or *SIM card not supported*, contact your network operator or service provider. Your phone does not support 5 Volt SIM cards and the card may need to be changed.

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

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



■ Using the camera

The phone has a built-in camera that can be used for taking photos and recording video clips. For information about the camera settings, see Camera (Menu 6) on page 104.

Photos and video clips use shared memory, see page 21.

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

1. Open the lens cover at the back of the phone. See Using the camera lens cover on page 28.

   The live image appears on the display. You can use the display as a viewfinder.

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

   - *Change mode* to set the camera to the desired operation mode.

     Select *Standard photo* to take a regular photo (in landscape orientation). Select *Portrait photo* to take a photo that can be attached to a name saved

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in the phone book. Select *Video* to record a video clip. Select *Night mode* to take a photo when the lighting is dim and the camera needs a longer exposure time.

You can set the default mode in the *Camera* menu, see page 104.

Tip: To quickly change the camera mode, press and hold ◁ or ▷ when the live image is shown on the display.

- *Self-timer* to set the camera to take the photo within 10 seconds after you press **Start**.

  While the self-timer is running, a second counter is shown at the top of the display and a beeping sound is heard. This sound can be set on or off using the *Camera sounds* setting in the *Camera* menu.

- *Mute* to turn off the microphone when the selected camera mode is *Video*.

- *Open Gallery* to view the photos in the desired folder of the *Gallery* menu.

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

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

   - The approximate number of photos that can be saved in the phone is shown at the top of the display. This number is determined by the *Image quality* setting, the selected camera mode and the amount of free shared memory.

     If the distance to the subject is closer than 30 centimetres it may affect the sharpness of your photo.



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- When you record a video clip, the amount of remaining recording time is shown at the top of the display. The default maximum length of a video clip is 15 seconds. You can change this time using the *Video clip length* setting in the *Camera* menu.

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

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

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

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

   If you press **Options**, you can select an option to, for example, rename the saved photo or video clip, or send it in a multimedia message (network service) or via an infrared or Bluetooth connection to a compatible device. You can also attach a portrait photo to a name or phone number in the phone book.

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



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3. Basic functions

■ Making a call

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

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

2. Press to call the number.

   To adjust the volume: Use the volume keys on the side of the phone. Press the upper key to increase or the lower key to decrease the volume.

   To take a photo and send it in a multimedia message (in UMTS networks only): Open the lens cover and press **Capture**. To send the photo to a compatible device (network service), press **Options**, and select *Send*. For details, see Writing and sending a multimedia message on page 63.

   To use the phone hands free: See Using the loudspeaker on page 40.

   See also Functions available during a call on page 40.

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



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Calling a phone number saved in the phone book

Press or in standby mode. Key in the first letter(s) of the name that has been saved with the phone number. Scroll to the name with or . To view the default phone number saved with the name, press **Details** or press and hold . Press to make the call.

Calling a recently dialled number

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

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

Calling your voice mailbox

To call your voice mailbox (network service) in standby mode, press and hold , or press and .

If the phone asks for the voice mailbox number, key it in and press **OK**. See also Voice messages on page 70.

Voice dialling

You can dial a phone number by saying one or more words that have been attached to it. See Voice dialling on page 85.



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Speed dialling a phone number

If you have assigned a phone number to one of the keys 2 abc to 9 wxyz (see Speed dials on page 88), you can call the phone number in the following ways:

- In standby mode, press the desired number key and . OR:
- If the *Speed dialling* function (see page 95) is set on, press and hold the number key in standby mode until the call is started.

Making a conference call

Conference call is a network service that allows up to six people to participate in the same call.

1. Make a call to the first participant.
2. To make a call to a new participant, press **Options** and select *New call*.

   Key in the phone number, or search for it in the phone book, and press **Call** or . The first call is put on hold.
3. When the new call is answered, join the first participant to the call by pressing **Options** and selecting *Conference*.
4. To add a new participant to the call, repeat steps 2 and 3.
5. To have a private conversation with a participant:

   Press **Options** and select *Private* and the desired participant. After the conversation, rejoin the conference call by pressing **Options** and selecting *Conference*.
6. To end the conference call, press .



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■ Answering or rejecting an incoming call

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

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

If a compatible headset, such as HDB-4 or HDW-2, is connected to the phone, you can answer and end a call by pressing the headset button.

When you receive a call, the phone may show the caller's phone number or name. The name is shown if you have saved it with the caller's phone number in the phone book. If you have saved the same phone number with several names, the phone number will be shown. If the network does not inform the phone of the caller's phone number, the text *Private number* or *Call* will be shown.

Call waiting

You can answer a call while you have another call in progress if you have activated the *Call waiting* function in the *Call settings* menu (see page 94). This is a network service.

During a call, press **Answer** or to answer the waiting call. Or: Press **Options** and select *Answer*. The first call is put on hold.

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



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■ Functions available during a call

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

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

Select

- *Send DTMF* to send DTMF tone strings, for example, a password. Key in the DTMF string, or search for it in the phone book. You can key in a wait character (w) or a pause character (p) by repeatedly pressing *+.
- *Transfer* to connect the held call to the active call and to disconnect yourself from the call.
- *Headset* or *Handsfree* to switch the active call to the respective compatible accessory when the accessory is connected to the phone.
- *Activate infrared* to activate the infrared port when you receive a data call, if you want to use the infrared connection with a compatible device.

■ Using the loudspeaker

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

- To activate the loudspeaker during a call: Press **Options** and select *Loudspeaker*, or press **Loudsp.** if available.



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- To deactivate the loudspeaker: Press **Options** and select *Handset*, or press **Handset** if available.

  If a compatible car kit, such as CARK112 or CARK126, or headset, such as HDB-4 or HDW-2, is connected to the phone, the *Handset* option is replaced with *Handsfree* or *Headset*, and the selection key **Handset** changes to **Handsfr.** or **Headset**, respectively.

  The loudspeaker is automatically deactivated when you end the call or call attempt or connect the car kit or headset to the phone.

■ Using the voice key

The voice key ( ), located on the side of the phone, can be used for voice recording and voice recognition.

Voice recording

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

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

To stop the recording, press . The recording is saved in the *Recordings* folder of the *Gallery* menu, see page 106.

Voice recording can be used also during a call (press **Options** and select *Record*). While recording a call, all parties to the call hear a faint beep approximately every five seconds.



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Voice recognition

Press and hold  to activate voice dialling (see pages 37 and 85) or to use voice commands, see page 125. These functions can be used only in standby mode.

■ Keypad lock (Keyguard)

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

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

To unlock the keypad: In standby mode, press **Unlock** and then  within 1.5 seconds.

When the keypad is locked:

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

You can set the keypad to lock automatically after a certain length of time. See *Automatic keyguard* on page 96.



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.



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■ Writing text

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

Predictive text input

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

Setting predictive text input on or off

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

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

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

Using predictive text input

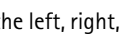
To use this input method, check that is shown at the top of the display.

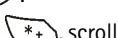
1. Write a word by using the keys 2 abc to 9 wxyz. Press each key only once for one letter. The word may change after each keypress.

   Example: To write 'Nokia', press 6 mno 6 mno 5 jkl 4 ghi 2 abc.



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- To move the cursor to the left, right, down or up, press .
- To delete the character to the left of the cursor, press **Clear**. Press and hold **Clear** to delete several characters.
- To change the character case, press  repeatedly and check the indicator, for example **Abc**, at the top of the display.
- To insert a common punctuation mark, press  and then  repeatedly until the punctuation mark you want is displayed.

  If you cannot find the punctuation mark by repeatedly pressing , press this key until the middle selection key changes to **Symbol**. Press **Symbol**, scroll to the character, and press **Use** or .
- To insert a special character: Press and hold , scroll to the desired character and press **Use** or .
- To insert a number, press and hold the desired key. To insert several numbers, press and hold and key in the numbers. To continue writing text, press and hold .

2. If the displayed word is the one you want, press  (a space is inserted), and write the next word.
   - If the word is not the one you want, press **Options**, select *Matches* and the desired word, and press **Use**. **OR:** Press repeatedly until the word appears.

     To view the previous match, press **Prev.**
   - If the ? character is shown after the word, no words in the dictionary correspond to your keypresses. To add a word to the dictionary: Press **Spell**,



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key in the word using traditional text input and press **Save**. When the dictionary becomes full, the new word replaces the oldest one that was added.

- To edit the previous word, press ◁ to select it and modify it.

3. When using predictive text input, pressing **Options** can allow access to the following functions:
   - *Matches*: Shows a list of words that correspond to your keypresses.
   - *Insert word* / *Edit word*: You can key in a word using traditional text input and save it in the dictionary. *Insert word* is shown when no word is underlined (and selected for editing). *Edit word* is shown when a word is underlined.
   - *Insert symbol*: You can select a special character from a list. Scroll to a character such as % and press **Use**. You can also scroll to a character by pressing 2 abc, 4 ghi, mno 6 or 8 tuv, and select the character by pressing 5 jkl.

Writing compound words

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

Using traditional text input

In traditional text input, you can key in characters by pressing a number key one or more times for each character. To use this input method, check that  is shown at the top of the display.



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Press a key one or more times until the desired character is displayed. Not all available characters are printed on the keys. The characters available depend on the language selected in the *Language settings* menu, see page 96.

- To insert a space, press 0.
- If the next letter you want is located on the same key as the present one, wait until the cursor is shown and key in the letter.
- To add a common punctuation mark or special character, press 1 repeatedly. Alternatively: Press *, scroll to the desired character and press **Use**.
- To move the cursor to the left, right, down or up, press ◁, ▷, ▽ or △.
- To delete a character to the left of the cursor, press **Clear**. Press and hold **Clear** to delete several characters.
- To insert a number, press and hold the desired key. To insert several numbers, press and hold #⇧ and key in the numbers. To continue writing text, press and hold #⇧.
- To change the character case, press #⇧ repeatedly and check the indicator at the top of the display.



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4. Using the menu

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

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

The help text can be set to on or off using the *Help text activation* function in the *Phone settings* menu, see page 96.

■ Accessing a menu function

By scrolling

1. Press **Menu** in standby mode.
2. Scroll with or to a main menu, for example *Settings*, and press **Select** to open it.
3. Scroll to a submenu, for example *Call settings*, and press **Select**.

   If the submenu contains further submenus, for example *Speed dialling*, repeat this step.
4. Scroll to a setting option, for example *Off*, and press **Select**.

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



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By using a shortcut number

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

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



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■ List of menu functions



1. Messages

1. Text messages
   1. Create message
   2. Inbox
   3. Sent items
   4. Archive
   5. Templates
   6. My folders
   7. Distribution lists
   8. Delete messages
2. Multimedia msgs.
   1. Create message
   2. Inbox
   3. Outbox
   4. Sent items
   5. Saved items
   6. Delete messages
3. Chat
4. Voice messages
   1. Listen to voice messages
   2. Voice mailbox number
5. Info messages
   1. Info service
   2. Topics
   3. Language



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4. Info topics saved on SIM card[1]
5. Read[2]

6. Message settings
   1. Text messages
   2. Multimedia msgs.
   3. Other settings
7. Service commands

2. Call register



1. Missed calls
2. Received calls
3. Dialled numbers
4. Delete recent call lists
   1. All
   2. Missed
   3. Received
   4. Dialled
5. Call duration
   1. Last call duration
   2. Received calls' duration
   3. Dialled calls' duration
   4. All calls' duration
   5. Clear timers
6. GPRS data counter

1. Shown only if info message topics can be saved to the SIM card.
2. Shown only if info messages have been received.



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1. Data sent in last session
2. Data received in last session
3. All sent data
4. All received data
5. Clear counters

7. GPRS connection timer
   1. Duration of last session
   2. Duration of all sessions
   3. Clear timers

3. Contacts



1. Search
2. Add contact
3. Delete
4. Copy
5. Settings
   1. Memory in use
   2. Contacts view
   3. Memory status
6. Speed dials
7. Service numbers [1]
8. Voice tags
9. My numbers
10. Caller groups

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



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4. 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)

5. Settings



1. Personal shortcuts
2. Time and date settings
   1. Clock
   2. Date
   3. Auto-update of date & time
3. Call settings
   1. Call divert
   2. Anykey answer
   3. Automatic redial
   4. Speed dialling
   5. Call waiting
   6. Summary after call
   7. Send my caller ID
   8. Line for outgoing calls[1]

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

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4. Phone settings
   1. Language settings
   2. Automatic keyguard
   3. Cell info display
   4. Welcome note
   5. Operator selection
   6. Confirm SIM service actions
   7. Help text activation
   8. Start-up tone
   9. Memory status
5. Display settings
   1. Wallpaper
   2. Colour schemes
   3. Operator logo
   4. Screen saver time-out
   5. Display contrast
6. 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
7. Enhancement settings[1]
   1. Headset



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2. Handsfree
3. Loopset

8. Security settings
   1. PIN code request or UPIN code request[1]
   2. *Code in use*
   3. Call barring service
   4. Fixed dialling[2]
   5. Closed user group
   6. Security level
   7. Access codes
9. Restore factory settings

6. Camera



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

7. Gallery



1. Shown only if the phone is or has been connected to a compatible headset, handsfree unit or loopset.
1. The name of this setting depends on the *Code in use* setting.
2. Shown only if supported by your SIM card



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8. Organiser



1. Alarm clock
2. Calendar
3. To-do list
4. Wallet

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. Voice commands
3. Countdown timer
4. Stopwatch



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12. Connectivity



1. Bluetooth
   1. Bluetooth
   2. Search for audio enhancements
   3. View active device
   4. View paired devices
   5. Bluetooth settings
2. Infrared
3. GPRS
   1. GPRS connection
   2. GPRS modem settings

13. Services



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

14. Go to



15. SIM services[1]



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



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5. Menu functions

■ Messages (Menu 1)



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

Text and picture messages (SMS)

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

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

Before you can send text or picture messages, you need to save your message centre number, see Message settings on page 71.

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 a text or picture message

1. Press **Menu** in standby mode, and select *Messages*, *Text messages* and *Create message*. **OR:** Press ◁ in standby mode.
2. Key in the message, see Writing text on page 43.



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

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

- To insert a picture into the message, press **Options** and select *Insert picture*. The list of folders in the *Gallery* is shown, see page 106. Scroll to the desired picture, press **Options** and select *Insert*.

  The picture is indicated by the ▣ indicator on the top of the message. To view the text and picture together, press **Options** and select *Preview*. To change the picture or delete it from the message, press **Options** and select the desired function.

- To use a text template as a base for the new message, press **Options** and select *Use template*. The list of templates in the *Templates* folder is shown. Scroll to the desired template, press **Options** and select *Insert*.

  See also *Templates* in Folders for text and picture messages on page 61.

- To insert a phone number from the phone book, press **Options** and select *Insert number*. Press **Search** or ▽ and search for the number in the phone book.

- To insert a name from the phone book, press **Options** and select *Insert contact* and the desired name. To insert a number or text item saved with the name, press **Options** and select *View details* and the desired number or text item.



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- To save the message in the *Archive* or *Templates* folder or in a folder that you have created inside the *My folders* folder, press **Options** and select *Save message*.

3. To send the message, press **Send** or , key in the recipient's phone number or search for it in the phone book, and press **OK**.

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

   - *Send to many* to send the message to several recipients. Scroll to the first recipient and press **Send**. Repeat this for each recipient. When you have sent the message to everyone you want, press **Done**.
   - *Send to list* to send the message using a distribution list. See Distribution lists on page 74.
   - *Sending profile* to send the message using the settings that you have defined earlier. For more information, see Message settings on page 71.

The sent message is saved in the *Sent items* folder. For information about different folders for text and picture messages, see page 61.

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

Reading and replying to a text or picture message

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



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If the ✉ indicator blinks, the text message memory is full. Before you can receive new messages, you need to delete some old ones. See page 68. Text messages use shared memory, see page 21.

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

   Viewing the message later: Press **Menu** in standby mode, and select *Messages*, *Text messages* and *Inbox*. Select the desired message from the list. An unread message is indicated by ✉.

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

   Alternatively: Press **Options** and select *Sending options* and the desired option. The options are the same as when sending a text or picture message, see page 57.

Other functions accessible with the Options key

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



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

Select

- *Chat* to have a text-based conversation with the other person. See page 69.
- *Use detail* to extract a phone number, e-mail address or Web address from the message.
- *Move* to move the message to the *Archive* or *Templates* folder or to a folder that you have created inside the *My folders* folder.
- *Copy to calendar* to copy the message text to your phone's calendar as a reminder note for the current day.
- *Save picture* to save the picture in the *Gallery* menu, if you are viewing a picture message.
- *Message details* to view the sender's name and phone number, the message centre used, and the date and time of receipt.

Folders for text and picture messages

The phone has different folders for saving sent and received text and picture messages.

To open a folder, press **Menu** in standby mode, and select *Messages*, *Text messages* and one of the following folders:

- *Inbox* where the phone saves received messages.
- *Sent items* where the phone saves sent messages.



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- *Archive* where you can save messages for later use.
- *Templates* where you can save text messages that you want to use as a base when writing or replying to a message.

  To edit or delete a template, select the desired template, press **Options**, and select the desired function.
- *My folders* where you can create new folders for your messages.

  To add a folder, press **Add** (if the folder list is empty) or press **Options** and select *Add folder*. To delete or rename a folder, press **Options** and select the desired function.

Multimedia messages (MMS)

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

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

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

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

Sent and received multimedia messages use shared memory, see page 21.



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Writing and sending a multimedia message

Before you can use the multimedia messaging service, you need to define its settings, see page 73. For the settings, availability and subscription to this service, contact your network operator or service provider.

Before sending a multimedia message, read the notes on page 65.

1. Press **Menu** in standby mode, and select *Messages*, *Multimedia msgs.* and *Create message*.
2. Key in a message, see Writing text on page 43.
   - To insert an image, sound clip or video clip, press **Options** and select *Insert* and the desired option.

     The list of folders in the *Gallery* menu is shown. Scroll to the desired file, press **Options** and select *Insert*. Copyright protections may prevent some images, ringing tones, and other content from being copied, modified, transferred or forwarded.
   - Your phone supports the sending and receiving of multimedia messages that contain several pages ('slides'). To add a new slide to the message, press **Options** and select *Insert* and *Slide*. Each slide can contain text, one image and one sound clip or text and one video clip.

     If you have added several slides to the message, you can open the desired slide by pressing **Options** and selecting *Previous slide*, *Next slide* or *Slide list*.

     To set the interval between the slides, press **Options** and select *Slide timing*.



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To move the text part to the top or bottom of the message, press **Options** and select *Text on top* or *Text on bottom*.

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

  To insert a number from the phone book, press **Options** and select *More options* and *Insert number*. Select the name and then the desired number.
- To delete an object or slide from the message, press **Options** and select *Delete* and the appropriate function.
- To save the message in the *Saved items* folder, press **Options** and select *Save message*.

3. To add a subject to the message, press **Options** and select *More options* and *Edit subject*. Key in the subject and press **OK**.

   To view for example the size, subject and recipient of the message, press **Options** and select *More options* and *Message details*.

   To view the message or slide presentation before sending it, press **Options** and select *Preview*. When you scroll through the message, the function of the middle selection key changes according to the displayed object, for example a video clip. Press **Back** to return to the editor screen.
4. To send the message to a phone number, press **Send** or . To send the message to an e-mail address, press **Options** and select *Send to e-mail*.



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

5. Key in the recipient's phone number or e-mail address, or search for it in the phone book. Press **OK** to send the message.

   If you pressed **Options** and selected *Send to many* in step 4, press **Options**, select *Search number* or *Search e-mail*, and select the recipients one by one from the phone book. When you have selected all the recipients, press **Done**. Press **Send** or  to send the message.

The message is saved in the *Outbox* folder until it is sent. The sent messages are saved in the *Sent items* folder if the *Save sent messages* setting is *Yes*. See Settings for multimedia messages on page 73. For information about different folders for multimedia messages, see page 68.

Notes for sending a multimedia message

- It may take more time to send a multimedia message than a text message.

  During sending, the animated  indicator is displayed and you can use other functions of the phone.

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

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



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Reading and replying to a multimedia message

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

If the indicator blinks, the memory for multimedia messages is full. Before you can receive new messages, you need to delete some old ones, see page 68. Multimedia messages use shared memory, see page 21.

Read also the notes for receiving multimedia messages on page 67.

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

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

2. Scroll through the message. The function of the middle selection key changes according to the displayed object, for example a video clip. If the message contains a slide presentation, the presentation is played automatically.

   - To reply to the message, press **Reply** if the text part of the message is displayed, or press **Options** and select *Reply* if any other part of the message is displayed.
   - To listen to a sound clip or view a video clip, press **Play**.

     To turn the audio off or on while viewing a video clip, press **Options** and select *Mute audio* or *Unmute audio*, respectively. To stop or pause the playing, press **Stop** or **Pause**, respectively.



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- To save an image, sound clip or video clip in the *Gallery* menu, press **Options** and select the appropriate function.
- To view an image in a larger size, press **Zoom**. You can scroll the image with , , and .
- Pressing **Options** also allows access to the following functions: *Set contrast* (for photos), *Details*, *Delete message*, *Forward to no.*, *Forward to e-mail*, *Forward to many*, *Message details*, *Use detail*. Select
  - *Details* to view information about the current object, for example its name, size and format.
  - *Message details* to view information about the multimedia message, for example its recipients, subject and size.
  - *Use detail* to extract a phone number, e-mail address or Web address from the message.

Tip: You can use most of these functions without opening a message. For example, to forward a message to another number, scroll to the desired message on the list, press **Options** and select *Forward to no.*

Notes for receiving a multimedia message

- If you receive a multimedia message that is too large for the phone (over 100 kilobytes), the network may send you a text message that includes an Internet address where you can view the multimedia message (network service).
- If the received message contains an object such as an image or sound clip that is not supported by the phone, the object may be replaced with its name and the text *Object format not supported*.



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

Folders for multimedia messages

The phone has different folders for saving received and sent multimedia messages.

To open a folder, press **Menu** in standby mode, and select *Messages*, *Multimedia msgs.* and one of the following folders:

- *Inbox* where the phone saves received messages.
- *Sent items* where the phone saves sent messages if the *Save sent messages* setting in the *Multimedia msgs.* menu is *Yes*. See Settings for multimedia messages on page 73.
- *Saved items* where you can save messages for later use.
- *Outbox* where a message is saved until it is sent. Press **Options** to, for example, resend a message whose sending has failed.

Deleting messages

To delete a single message:

1. Press **Menu** in standby mode and select *Messages*, *Text messages* or *Multimedia msgs.*, and the desired message folder.
2. Select the message you want to delete, press **Options**, and select the appropriate function.



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

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

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

Chat

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

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

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

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



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

Voice messages

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

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

Each phone line may have its own voice mailbox number, see *Line for outgoing calls* on page 95.

Tip: To quickly call your voice mailbox, press and hold 1.

Info messages

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

Press **Menu** in standby mode, and select *Messages* and *Info service*. Select

- *Info service* and then *On* or *Off* to allow or prevent the reception of info messages on the active topics or *Topic index* to set the phone to receive a topic list from the network.
- *Topics* to mark topics as active or inactive, add a new topic to the list, or edit or delete the existing topics.



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- *Language* to choose the languages for info messages. Only info messages in the selected languages will be shown. If you select *All*, info messages in all languages will be shown.
- *Info topics saved on SIM card* to add new topics to the SIM card or delete existing topics from it. This menu is shown only if supported by your SIM card.
- *Read* to view the received info messages. Select the topic and view the messages by scrolling through them. To pick up a number from the message, press **Use no.**. To deactivate the topic, press **Options** and select *Close topic*.

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

Message settings

Text message settings affect the sending of text messages. Multimedia message settings affect the sending and receiving of multimedia messages.

The *Font size* setting in the *Other settings* submenu affects both text and multimedia messages.

Settings for text messages

Press **Menu** in standby mode, and select *Messages*, *Message settings*, *Text messages* and *Sending profile*. Select the group of settings ('sending profile') whose settings you want to change, if your SIM card supports several profiles. *Default profile* is the sending profile that the phone will use if you do not select another profile.



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Select

- *Message centre number* to save the phone number needed for sending text and picture messages. You obtain this number from your service provider.
- *Messages sent via* to choose the message type *Text*, *E-mail*, *Paging* or *Fax* (network service).
- *Message validity* to choose how long the network should attempt to deliver your message to its recipient (network service).
- *Default recipient number* to save a phone number where messages are sent by default when this sending profile is used.
- *Delivery reports* to request the network to send delivery reports on your messages (network service).
- *Use GPRS* to set GPRS as the preferred bearer for sending text messages. When this setting is *Yes*, the phone sends a text message over a GPRS connection if this is possible.
- *Reply via same centre* to allow the recipient of your message to send you a reply message via your message centre (network service).
- *Rename sending profile* to change the name of the sending profile. The name of the default profile cannot be changed.

Overwriting settings

When the text message memory becomes full, the phone cannot receive new messages. However, you can set the phone to automatically replace old messages with new ones.



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

Settings for multimedia messages

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

- *Save sent messages* and *Yes* to set the phone to save sent multimedia messages in the *Sent items* folder. If you select *No*, the sent messages are not saved.
- *Delivery reports* to request the network to send delivery reports on your messages (network service).
- *Scale image down* to select whether images are scaled to a smaller size when inserted into a message.
- *Allow multimedia reception* to allow (*Yes*) or prevent (*No*) the reception of multimedia messages or to allow it only in your home network (*In home network*).
- *Incoming multimedia messages* to set the phone to automatically fetch newly received multimedia messages (*Retrieve*), or select *Reject* if you do not want to receive multimedia messages.

  This setting is not shown if *Allow multimedia reception* is set to *No*.
- *Connection settings* to define the settings for fetching newly received multimedia messages. Activate the connection set where you want to save the



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settings and then edit them. See also Keying in the service settings manually on page 136.

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

- *Allow adverts* to allow or prevent the reception of advertisements.

  This setting is not shown if *Allow multimedia reception* is set to *No* or *Incoming multimedia messages* is set to *Reject*.

Other settings

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

Service commands

You can send service requests to your service provider (network service).

Press **Menu** in standby mode, and select *Messages* and *Service commands*. Key in the desired characters. Press and hold  to switch between letters and numbers. Press **Send** to send the request.

For proper commands, contact your service provider.

Distribution lists

You can create distribution lists for sending text and picture messages to several recipients at a time.



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Note that you may be charged separately for each recipient of a message to a distribution list.

1. Press **Menu** in standby mode, and select *Messages*, *Text messages* and *Distribution lists*.
2. To create a new list, press **Add** if there are no existing distribution lists, or press **Options** and select *Add list* if there are existing lists. Key in a name for the new list and press **OK**.

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

   To rename a list, scroll to the desired list, press **Options**, and select *Rename list*.

   To delete all the names from a list, scroll to the desired list, press **Options**, and select *Clear list*.

   To delete a list and all the included names, scroll to the desired list, press **Options**, and select *Delete list*.
3. If you opened a distribution list by pressing **View** in step 2, you can do one of the following:
   - To add a new name to the list, press **Add** and select the desired name from the phone's internal phone book.
   - To view the contact information of a recipient, scroll to the desired name, press **Options** and select *View details*.
   - To delete a recipient from the list, scroll to the desired name, press **Options** and select *Delete contact*.



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Sending a message using a distribution list
Press **Menu** in standby mode, and select *Messages*, *Text messages* and *Create message*.

Write the message. Press **Options** and select *Sending options*, *Send to list* and the desired list.

Messages whose sending failed
The messages that could not be sent from the phone are saved in the *Undelivered* folder of the *Distribution lists* menu.

To resend a failed message, scroll to the desired message and press **Resend**.

To use other functions in the *Undelivered* folder, press **Options** and select the desired function. You can view the recipients to whom the message could not be sent, view the message, or delete the distribution list from the *Undelivered* folder.

■ Call register (Menu 2)



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

Missed, received and dialled calls

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

- *Missed calls* to view the ten phone numbers from which somebody has most recently tried to call you with no success (network service).



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Tip: When a note about missed calls is shown in standby mode, press **List** to view the phone numbers. Scroll to the number you want to call back and press .

- *Received calls* to view the ten phone numbers from which you have most recently accepted calls (network service).
- *Dialled numbers* to view the 20 phone numbers that you have most recently called or attempted to call. See also Calling a recently dialled number on page 37.
- *Delete recent call lists* to clear the lists of missed, received, and dialled calls.

  Select whether you want to delete the phone numbers on all the lists, or only the numbers on the list of missed calls, received calls or dialled numbers. You cannot undo this operation.

Notes about missed, received and dialled calls

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



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Call counters and call timers

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

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

- *Call duration* to view the approximate duration of your incoming and outgoing calls. The security code is needed to clear the timers.

  Each phone line may have its own call timers. See *Line for outgoing calls* on page 95.

- *GPRS data counter* to view the amount of data that was sent and received during the last GPRS connection or the total amount of sent and received data. The counter unit is a byte.

  Text messages sent and received over a GPRS connection are not included in the data count.

  The security code is needed to clear the counters.

- *GPRS connection timer* to view the duration of the last GPRS connection or all GPRS connections. The security code is needed to clear the timers.

■ *Contacts* (Menu 3)



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

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



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The number of names that can be saved depends on their length, and the number and length of related phone numbers and text items. The phone supports SIM cards that can save up to 250 names and phone numbers.

Contacts saved in the phone's memory use shared memory, see page 21.

Alternative ways to access the functions in this menu

You can access the functions also by pressing **Names** in standby mode (or by pressing **Go to** and selecting *Contacts*). See also Three selection keys on page 23.

Some of the functions can also be accessed as follows: Press or in standby mode, scroll to the name you want, press **Details**, scroll to a number or text item, press **Options** and select the desired function.

To access the contacts during a call, press **Options** and select *Contacts*.

Selecting the phone book settings

Press **Menu** in standby mode and select *Contacts* and *Settings*. Select

- *Memory in use* to select the contact memory you want to use. If you want to search for names and phone numbers in both memories, select *Phone and SIM*. In this case, the names and numbers will be saved in the phone's memory.
- *Contacts view* to select how the names, numbers and images are displayed in the phone book. For example, select *Name and image* to view the names with the attached images.
- *Memory status* to view how much free memory is available in each contact memory.



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Saving names and phone numbers

Names and numbers will be saved in the selected memory, see *Memory in use* in Selecting the phone book settings on page 79.

1. Press **Menu** in standby mode and select *Contacts* and *Add contact*.
2. Key in the name (see Using traditional text input on page 45) and press **OK** to save it.
3. Key in the phone number, including the area code, and press **OK** to save it.
   - If you want to use the phone number while abroad, press *+ twice (for the + character) and then key in the country code, area code (omit the leading zero, if necessary) and phone number.
4. To return to standby mode, press **Done**.

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

Saving multiple numbers and text items per name

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

The first phone number that you save with the name is the default number. It is indicated with a frame around the number type indicator, for example ☎. When you select a name from the phone book, for example to make a call, the default number is used unless you select another number.

1. Make sure that the selected memory is *Phone* or *Phone and SIM*.
2. Press ▽ or △ in standby mode.



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3. Scroll to the name to which you want to add a number or text item, and press **Details**.
4. Press **Options**, and select *Add number*, *Add detail* or *Change type*.
   - To add a phone number, select *Add number* and one of the following number types: *General*, *Mobile*, *Home*, *Office* or *Fax*.

     Key in the number, and press **OK** to save it.
   - To add a text item, select *Add detail* and one of the following text types: *E-mail address*, *Web address*, *Postal address* or *Note*.

     Key in the text item. To add a special character, press *, scroll to the desired character and press **Use**. Press **OK** to save the text item.
   - To change the type of the selected number or text item, select *Change type* and the desired type.
5. Press to return to standby mode.

Tip: To quickly add a new number to a previously saved name, key in the number in standby mode, press **Options** and select *Add to contact*. Scroll to the desired name, press **Add** and select the number type.

Changing the default number

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



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Adding an image to a saved name or number

You can add an image to a name or number saved in the phone's internal phone book. The image is shown when you receive a call from the given phone number.

Press or in standby mode, scroll to the name (and number) to which you want to add an image and press **Details**. Press **Options** and select *Add image*. The list of folders in the *Gallery* menu is shown. Scroll to the desired image, press **Options** and select *Save to contacts*.

Tip: To quickly attach a new photo to a name or phone number, open the lens cover, check that the camera mode is *Portrait photo* and press **Capture**. Press **Options**, select *Attach to contact*, scroll to the desired name or phone number and press **Attach**.

To change an image attached to the name, see page 83.

Searching for a name in the phone book

1. Press **Menu** in standby mode and select *Contacts* and *Search*.
2. Key in the first letter(s) of the desired name, if you want. You can press or to move the cursor inside the name.
3. Scroll to the desired name, and press **Details**.
   - If the name is saved on the SIM card, is shown at the top of the display.
4. Scroll through the phone numbers and text items added to the name.

   If a phone number or text item cannot be shown on one line, you can view it in its entirety by pressing **View** or .



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

To view the default phone number for the name, press and hold , if the *Contacts view* setting is other than *Name and number*.

Editing a name, number or text item

1. Press or in standby mode, scroll to the desired name and press **Details**.
2. If the *Contacts view* setting is *Name and number*, scroll to the desired name, number or text item and press **Edit**.

   If the *Contacts view* setting is other than *Name and number*, scroll to the desired name, number or text item. Press **Options** and select the desired function, for example *Edit detail* to edit a text item.
3. Edit the name, number or text item, and press **OK**.

Changing the image attached to a name

1. Press or in standby mode, scroll to the desired name and press **Details**.
2. If the *Contacts view* setting is *Name and number*, scroll to the current image and press **Change**.

   If the *Contacts view* setting is other than *Name and number*, scroll to the image, press **Options** and select *Change image*.



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3. Open the desired folder of the *Gallery* menu, select the new image, press **Options** and select *Save to contacts*.

Deleting contacts from the phone book

Deleting a name and number will also delete the additional numbers, text items and image added to it. Deleting an image from the phone book does not delete it from the *Gallery* menu.

1. Press **Menu** in standby mode and select *Contacts* and *Delete*.
2. To delete names and numbers one by one, select *One by one* and scroll to the name (and number) you want to delete. Press **Delete** and then **Yes**.

   To delete all the names and numbers, select *Delete all* and scroll to the desired phone book, that is *Phone* or *SIM card*. Press **Delete** and **Yes**, key in the security code and press **OK**.

Deleting a number, text item or image added to a name

Press ▽ or △ in standby mode, scroll to the desired name (and number) and press **Details**. Scroll to the number, text item or image you want to delete, press **Options** and select the appropriate function, for example *Delete detail* to delete a text item. Press **Yes**.

Copying contacts

You can copy names and phone numbers from the phone to the SIM card and vice versa. Text items or images saved in the phone will not be copied to the SIM card.

1. Press **Menu** in standby mode and select *Contacts* and *Copy*.



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2. Select the copying direction, that is *From phone to SIM card* or *From SIM card to phone*.
3. Select *One by one*, *All* or *Default numbers*. *Default numbers* is shown only when you copy from the phone to the SIM card.
   - If you select *One by one* or *All* to copy all the numbers added to a name from the phone to the SIM card, each number may be saved separately on the card.
   - If you select *One by one*, scroll to the desired name and press **Copy**.
   - If you select *Default numbers*, only the default numbers will be copied with the names.
4. Select whether you want to keep the original names and numbers (*Keep original*) or delete them (*Move original*).
   - If you selected *All* or *Default numbers*, press **Yes** to start the copying or moving.

Voice dialling

You can dial a phone number by saying one or more words ('voice tag') attached to it. The voice tag can be, for example, a name.

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

Notes for using voice dialling

Before using voice dialling, note that:



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

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

Recording a voice tag

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

Making a call using a voice tag

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

If no match for the voice tag is found or recognised, press **Yes** to say the voice tag again, or press **Exit** or to return to standby mode.

If you use a compatible headset, such as HDB-4 or HDW-2, press and hold the headset button until you hear a short tone and say the voice tag clearly.



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Playing, changing or deleting a voice tag

Press **Menu** in standby mode and select *Contacts* and *Voice tags*. Select the desired name or phone number and the function you want.

Sending and receiving a business card

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

Sending a business card

You can send a business card to a compatible phone or other device which supports the vCard standard.

1. Press ▽ or △ in standby mode, scroll to the desired name, and press **Details**. Press **Options** and select *Send bus. card*.
2. To send the business card via infrared, make sure that the other phone or the compatible device is set up to receive data via its infrared port and select *Via infrared*.

   To send the business card as an Over The Air (OTA) message (network service), select *Via text message*.

   To send the business card via Bluetooth connection to a compatible device, make sure that the device is within the Bluetooth operating range and select *Via Bluetooth*.
3. If the business card contains text items or several numbers, select whether you only want to send the default number (*Default number*) or all the numbers and text items added to the name (*All details*).



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If you selected *Via Bluetooth* in step 2, select the device to which you want to send the business card.

Receiving a business card
To receive a business card via infrared from a compatible device, activate the infrared port of your phone, see page 132. The user of the other device can now send the business card via infrared.

When you receive a business card, press **Show** to view it. Press **Save** to save the business card in your phone, or press **Exit** and then **Yes** to discard the business card.

Speed dials

You can set the keys 2 abc to 9 wxyz to work as speed dialling keys. To make a call using speed dialling, see page 38.

Assigning a phone number to a speed dialling key
Press **Menu** in standby mode and select *Contacts* and *Speed dials*. Scroll to the desired key and press **Assign**. Press **Search** and select the name and number you want to assign to the selected key.

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



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Service numbers

You can call the service numbers of your service provider if they are available on your SIM card (network service).

Press **Menu** in standby mode and select *Contacts* and *Service numbers*. Scroll to the desired service name and press to call it.

To view the phone number saved with the name, press **Details**. To copy the number, make it a speed dialling number, or to send a message or business card to it, press **Options** and select the desired function.

My numbers

You can view the phone numbers assigned to your SIM card if this is allowed by the card.

Press **Menu** in standby mode and select *Contacts* and *My numbers*. Scroll to the desired name or number, and press **View**.

Caller groups

You can arrange the names and phone numbers saved in the phone book into caller groups.

For each caller group, you can set the phone to sound a specific ringing tone and display a selected graphic when you receive a call from a phone number in the group.

To set the phone to ring only upon calls from the phone numbers belonging to a selected caller group, see *Alert for* in Tone settings on page 100.



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Press **Menu** in standby mode and select *Contacts*, *Caller groups* and the desired caller group. Select

- *Group name* to rename the group.
- *Group ringing tone* to select a ringing tone for the group. *Default* is the ringing tone that you have selected for the active profile in the *Profiles* menu, see page 91.
- *Group logo* and *On* to set the phone to display the group graphic. To turn the graphic off, select *Off*. To view the graphic, select *View*.
- *Group members* to add a name to the caller group or to delete a name from it.

  To add a name, press **Add**, scroll to the desired name and press **Add**.

  To delete a name, scroll to the desired name and press **Remove**.

Tip: To quickly add a name to a caller group, press or in standby mode, scroll to the desired name and press **Details**. Press **Options** and select *Caller groups* and the desired group.

Changing the caller group of a name

Press or in standby mode, scroll to the desired name and press **Details**. Scroll to the current caller group and press **Change**. Select the new caller group.

Sending a message from the phone book

You can send a text message to a person whose name or phone number is saved in the phone book (network service).



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Press or in standby mode, scroll to the desired name and press **Details**. Scroll to the desired number, press **Options** and select *Send message*. Key in the message and press **Send**. For more information, see Writing and sending a text or picture message on page 57.

■ Profiles (Menu 4)



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

To use a profile, first change its settings to your liking and then activate it.

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

1. Select a profile that you want to activate or whose settings you want to change.

   For example, select the *Silent* profile if you want to mute all the phone tones.

2. Select *Activate*, *Personalise* or *Timed*.

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

     To activate the profile for a certain amount of time, select *Timed* and set the end time. When this time expires, the previous profile that was not timed, becomes active.

   - To change the profile settings, select *Personalise*. Select the setting you want to change and make the change.



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For information on the settings, see Tone settings on page 100. With *Profile name* you can rename the selected profile. The *General* profile cannot be renamed.

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

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

■ Settings (Menu 5)

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

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

Personal shortcuts

You can select the function for the right selection key shown in standby mode and the functions ('personal shortcuts') that can be accessed by pressing **Go to** in standby mode or by entering the *Go to* menu.

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

- *Right selection key* to select the function for the right selection key. The options are an operator-specific name, *Go to* and *Contacts*.

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- *Select Go to options* to select the functions for your shortcut list. Scroll to a function and press **Mark** to add it to the list. To remove a function from the list, press **Unmark**. To save the changes, press **Done** and **Yes**.
- *Organise Go to options* to change the order of the functions on the list. Scroll to the desired function, press **Move** and select where you want to move the function to.

Time and date settings

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

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

  The clock settings apply to several functions such as *Messages*, *Call register*, *Alarm clock* and *Calendar*.

  If the battery is removed from the phone for a long time, you may need to set the time again.
- *Date* to show (or hide) the date in standby mode, set the date or select the date format or date separator.

  If the battery is removed from the phone for a long time, you may need to set the date again.
- *Auto-update of date & time* to set the phone to automatically update the time and date according to the current time zone (network service). If you select *Confirm first*, the phone asks for a confirmation before the update.



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

Call settings

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

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

  Select the desired divert option, for example *Divert if busy* to divert the calls when your number is busy or when you reject an incoming call. Set the divert option on (*Activate*) or off (*Cancel*), or check whether the option is activated (*Check status*).

  - If you selected *Activate*, select where the calls are to be diverted to. If you activate the divert option *Divert if not answered* or *Divert if not available*, you can also select the delay time after which the call is diverted.
  - If you selected *Check status*, press **Number** to view the phone number to which the calls are diverted or **Details** to view the phone number and the delay time (available for *Divert if not answered* and *Divert if not available*).

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



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Each phone line may have its own call divert settings. See *Line for outgoing calls*.

- *Anykey answer* and *On* if you want to answer an incoming call by briefly pressing any key, except , the selection keys and .
- *Automatic redial* to set the phone to make up to ten attempts to connect the call after an unsuccessful call attempt.
- *Speed dialling* and *On* if you want to call the names and phone numbers assigned to the speed dial keys  to  by pressing and holding the corresponding key. See also Speed dials on page 88.
- *Call waiting* and *Activate* to request the network to notify you when you receive a new call during a call (network service). See also Call waiting on page 39.
- *Summary after call* and *On* to set the phone to briefly display the duration of the last call.
- *Send my caller ID* to show (*Yes*) your phone number to the person you are calling or to hide it (*No*). This is a network service. If you select *Set by network*, the phone will use the setting that you have agreed with your service provider.
- *Line for outgoing calls* to select the phone line 1 or 2 for making calls (network service). For example, you can use line 1 for personal calls and line 2 for business calls. Calls on both lines can be answered regardless of the selected line.

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



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

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

Phone settings

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

- *Language settings* to select the language for the display texts. If you select *Phone language* and *Automatic*, the phone selects the language according to the information on the SIM card. If the card includes several languages, you can select the desired one with the *SIM language* setting.

  This setting also affects the date and time formats used, for example, in the calendar.

- *Automatic keyguard* to set the keypad to lock automatically after a certain length of time when the phone is in standby mode.

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

  See also Keypad lock (Keyguard) on page 42.

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.



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- *Cell info display* to set the phone to indicate when it is used in a cellular network based on the Micro Cellular Network (MCN) technology (network service).
- *Welcome note* to define a note that is shown briefly when the phone is switched on. Key in the note and save it by pressing **Save**. To delete the note, press **Options** and select *Delete*.
- *Operator selection* to set the phone to automatically select a cellular operator that is available in your area (*Automatic*) or to select the desired operator from a list (*Manual*).

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

  The phone stays in manual mode until automatic mode is selected or another SIM card is inserted into the phone.
- *Confirm SIM service actions* to set the phone to show confirmation messages (*Yes*) when you use SIM card services. See also SIM services (Menu 15) on page 145.
- *Help text activation* to set the phone to show help texts that guide you in using the menu functions. See also Using the menu on page 47.
- *Start-up tone* to set the phone to play a tone when the phone is switched on.
- *Memory status* to view the total amount of free and used shared memory and the amount of memory used by different functions. See also Shared memory on page 21.



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Display settings

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

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

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

  To set an image as the wallpaper, do either of the following:

  - To select the wallpaper image for the first time or to change the image, select *Select wallpaper*. Scroll to the desired folder in the *Gallery* menu and press **Open**. Scroll to the image you want. Press **Open** and **Options**, and select *Set as wallpaper*.
  - If you have previously used the wallpaper but have then selected *Off*, select *On*.

  If you delete an image from the *Gallery* menu while it is used as the wallpaper, the image will still be used as the wallpaper until you change it.

  Tip: To set an image as the wallpaper in the *Gallery* menu, open the desired image, press **Options** and select *Set as wallpaper*. See also Gallery (Menu 7) on page 106.

- *Colour schemes* to select the colour for some parts of the phone display, such as the indicators for the signal strength and battery charge level.



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- *Operator logo* to set the phone to display or hide the operator logo saved in the phone. If there is no operator logo available in the phone, this function is dimmed.

  Note that the operator logo is not displayed when the screen saver is active.

  For availability of operator logos, contact your network operator or service provider. You can create own operator logos using the Nokia Image Converter software, see Nokia PC Suite on page 147.

- *Screen saver time-out* to set the time ('time-out') after which the screen saver feature is activated.

  The screen saver is a power saving feature which becomes active if the phone is not used for a certain length of time in standby mode. When the screen saver is active, a digital clock moves from the top to the bottom of the display and the rest of the display is blank.

  Select the timeout from the available values, or select *Other* and set the value. The maximum timeout is 10 minutes.

  You can deactivate the screen saver by pressing any key. The screen saver is automatically deactivated when the phone moves out of the network's coverage area.

- *Display contrast* to change the contrast of the display. Press ◁ to decrease or ▷ to increase the contrast level, and press **OK**.



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Tone settings

You can change the tone and vibrator settings of the currently selected profile. The same settings can also be found in the *Profiles* menu, see page 91.

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

  For example, if you select *Off*, the phone remains silent when you receive a call.
- *Ringing tone* to select the tone that rings when you receive a voice call. If you want to select a ringing tone saved in the *Gallery* menu, select *Open gallery* from the tone list.
- *Ringing volume* to select the volume level for the ringing tones and message alert tones.
- *Vibrating alert* to set the phone to vibrate when you receive a call or message. The vibrating alert does not work when the phone is connected to a charger, desktop stand or car kit.
- *Message alert tone* to select the tone you hear when you receive a message. To select the tone from the ringing tone list, select *Ringing tone* and the desired tone.
- *Keypad tones* to select the volume for keypad tones.
- *Warning tones* to set the phone to sound tones, for example, when the battery is running out of power.



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- *Alert for* to set the phone to ring only upon calls from phone numbers that belong to a certain caller group. Scroll to the desired caller group or *All calls* and press **Mark**. You can select several groups. After you have made your selections, press **Done** and **Yes**.

  For adding a member to a caller group, see Caller groups on page 89.

Adding new tones to your phone

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

You can create own tones using the Nokia Sound Converter or Nokia PC Composer application included in the Nokia PC Suite software, see page 147.

Enhancement settings

You can define the settings that the phone uses by default when it is connected to a compatible headset (such as HDB-4 or HDW-2), car kit (such as CARK112 or CARK126) or inductive loopset (such as LPS-4). This menu is shown only if the phone has been connected to one of these accessories at least once.

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

Select *Headset*, *Handsfree* or *Loopset*, if the corresponding accessory is or has been used with the phone. Select



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

Security settings

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

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

Select

- *Code in use* to set the phone to use the UPIN or PIN code.
- *PIN code request* (or *UPIN code request*, depending on the *Code in use* setting) to set the phone to ask for the PIN code of the SIM card (or the UPIN code of the USIM card) when the phone is switched on. Some cards do not allow this setting to be changed.



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- *Call barring service* to restrict the calls that can be made or received with the phone (network service). Select the desired barring option and set it on (*Activate*) or off (*Cancel*), or check whether the option is active (*Check status*).
- *Fixed dialling* to restrict calls and text messages from your phone to selected phone numbers, if allowed by your SIM card. The PIN2 code is required to use this function.

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

  To modify the fixed dialling list, press **Options** and select the appropriate function to add a number to the list, edit the selected number or delete it from the list, or delete all numbers from the list.

  When you use fixed dialling, GPRS connections are not possible, except when sending text messages over a GPRS connection. In this case, the message centre number and the recipient's phone number have to be included on the fixed dialling list.
- *Closed user group* to specify a group of people whom you can call and who can call you (network service). Select *Default* to set the phone to use the group that you have agreed with your service provider. For more information contact your network operator or service provider.
- *Security level* to define when the phone asks for the security code.

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



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If you select *Memory*, the security code is requested when the memory in use is *SIM card* and you want to change the memory to *Phone* or *Phone and SIM* or copy names and numbers from one phone book to another. See also *Memory in use* under Selecting the phone book settings on page 79.

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

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

Restoring factory settings

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

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

■ Camera (Menu 6)



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

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

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

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Taking a photo or recording a video clip

You can use the camera in this menu or as described on page 33.

To use the camera in this menu, select the camera mode (*Standard photo*, *Portrait photo*, *Night mode*, or *Video*), open the camera lens cover and take a photo or record a video clip. For more information, see page 33.

The photos and video clips are saved in shared memory, see page 21. If there is not enough memory to use the camera, delete some old photos or other files from the *Gallery* menu, see page 106.

Adjusting the camera settings

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

- *Default mode* to select the camera mode that will be used by default when you start the camera by opening the lens cover.
- *Image quality* to select how much a photo will be compressed when the phone saves it. Select *High*, *Normal* or *Basic*. *High* provides the best image quality but takes more memory. *Normal* and *Basic* provide lower image quality but take less memory.
- *Video clip length* to set the maximum length for video clips recorded with the camera. If you select *Default*, the maximum length is 15 seconds.
- *Camera sounds* to set the shutter and self-timer sounds on or off. The shutter sound is heard when you take a photo. The self-timer sound is heard when the self-timer is running.



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- *Default title* to define a default name for photos and video clips. If you want to use the preset title, select *Automatic*. If you want to define your own title, select *My title*.

■ Gallery (Menu 7)



In this menu, you can manage graphics, photos, recordings, tones and video clips saved in the phone. These files are arranged in folders.

The gallery uses shared memory, see page 21.

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

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

1. In the folder list, scroll to the desired folder.
2. Press **Open** to open the selected folder, for example *Images*, or press **Options** and select
   - *Add folder* to create a new folder. Key in a name for the folder and press **OK**.
   - *Delete folder* to delete the selected folder. The preset folders cannot be deleted.
   - *Move* to move the selected folder. Scroll to where you want to move the selected folder, press **Options** and select *Move here*. The preset folders cannot be moved.



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- *Rename folder* to give a new name to the selected folder. The preset folders cannot be renamed.
- *Details* to view information about the selected folder.
- *Type of view* to define how the folders and their contents are shown. The *Grid* option is useful with images and video clips.
- *Sort* to arrange the folders by name, date, format or size.
- *Gallery downloads* to download video clips, images and tones from a browser service (network service). Select *Image downloads* or *Tone downloads*. A list of bookmarks is shown. Select *More bookmarks* to view the bookmarks available in the *Services* menu, see page 141.

  Select the bookmark of the browser page you want to access. If the connection fails, change the active set of connection settings in the *Services* menu (see Making a connection to a browser service on page 138), return to the *Gallery* menu, and try to connect to the page again.

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

  Only install software from sources that you trust.
- *Usage rights list* to view the list of available usage rights. Scroll to the desired file and press **Options**. Select *Details* to view the usage rights. See Usage rights on page 109.

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

   Alternatively, press **Options** and select



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- *Delete* to delete the selected file.
- *Send* to send the file in a multimedia message (network service) or via an infrared or Bluetooth connection to a compatible device. For information about composing multimedia messages, see page 63.



Tip: To send the file in a multimedia message, you can press instead of using the *Send* function.

- *Set as wallpaper* to use the selected image as the wallpaper. See also *Wallpaper* on page 98.
- *Set as ring tone* to use the selected sound as a ringing tone for the active profile. See also Profiles (Menu 4) on page 91.
- *Edit image* to add text, frames and clip-art to the selected image. Press **Options** and select *Insert text*, *Insert frame* or *Insert clip-art*.

  If you selected *Insert frame* or *Insert clip-art*, scroll to the desired image, press **Options** and select *Insert*. Move the added image with the scroll keys and press **OK** to confirm the change, or press **Back** to change the frame or clip-art.

  To save the changed image in GIF format, press **Save**, edit the image's name, press **OK**, scroll to the desired folder, press **Options** and select *Save*.
- *Move* to move the file to the desired folder. Scroll to the folder where you want to move the file, press **Options** and select *Move here*.
- *Rename* to give a new name to the file.
- *Details* to view for example the size and format of the file.



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- *Delete all* to delete all the files from the selected folder.
- *View in sequence* to show or play all the files in the selected folder one by one.

4. If you opened a file in step 3, press **Play** to play a sound clip or video clip, or press **Zoom** to view an image in a larger size. You can scroll the image with , ,  and .

   Pressing **Options** allows access, for example, to the following functions: *Set contrast*, *Mute audio*/*Unmute audio*, *Update rights*. Select

   - *Set contrast* to change the contrast of an image or video clip.
   - *Mute audio*/*Unmute audio* to turn the audio of a video clip off or on.
   - *Update rights* to update the usage rights of the selected file. This option is only shown if the usage rights of the file can be updated.



Tip: If you opened a file by pressing **Open** in step 3, you can browse through the files in the selected folder with  or .

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

Usage rights

Your phone supports usage rights to protect content that you have acquired to the phone. A piece of content, such as a ringing tone, can be protected and associated with certain usage rules, for example the number of usage times.



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The usage rules are defined in the content's usage rights that can be delivered with the content or separately, depending on the service provider. You may be able to update these rights.

Always check the delivery terms of any content and usage rights before acquiring them, as they may be subject to a fee.

■ Organiser (Menu 8)



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

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

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

Alarm clock

You can set the phone to alarm at the desired time. The alarm clock works even when the phone is switched off if there is enough power in the battery.

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

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

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To set a tone for the alarm, select *Alarm tone* and the desired tone. *Default* is the ringing tone that you have selected for the active profile in the *Profiles* menu, see page 91.

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

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

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



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

Calendar

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

The calendar uses shared memory, see page 21.

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



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



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Using the different calendar views

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

  In the month view, pressing **Options** allows access to the following functions: *Make a note*, *Go to date*, *Settings*, *Go to to-do list*. Select

  - *Make a note* to create a note for the selected day.
  - *Go to date* to move to the desired day in the calendar.
  - *Settings* to set the date and time or to select their format, the separator character (for example -) or the first day of the week (*Week starts on*). With *Auto-delete* you can set the phone to delete old notes automatically after a certain length of time. Repeated notes, for example birthday notes, will not be deleted.

- **Day view:** This view shows the notes set for the selected day. Press **View** to open the selected note ('note view'), or if there are no notes for the day, press **Add note** to create a new note.

  Tip: To view the notes for the previous or next day, press ◁ or ▷.

  In the day view, pressing **Options** allows access to the following functions: *Make a note*, *Delete*, *Edit*, *Move*, *Repeat*, *Go to date*, *Send note*, *Copy*, *Settings*, *Go to to-do list*. Select



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- *Repeat* to select the interval at which the note is repeated, for example *Every week*.
- *Send note* to send the note to a compatible device via infrared or Bluetooth connection, or as a calendar note or text message.
- *Move* or *Copy* to move or copy the note to another day.
- *Go to to-do list* to access the *To-do list* menu where you can create a task and then copy it to the calendar. See also To-do list on page 115.

- **Note view:** This view shows the note that you opened in the day view. If you have set an alarm for the note, is shown at the top of the note.

  You can scroll through the notes set for the selected day by pressing or . Press **Edit** to modify the displayed note.

  In the note view, pressing **Options** allows access to the following functions: *Delete*, *Move*, *Repeat*, *Send note*, *Copy*, *Settings*, *Go to to-do list*.

Making a calendar note

You can create a new note in the month or day view. For keying in letters and numbers, see Writing text on page 43.

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

Select one of the following note types:



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- *Meeting*: Key in the subject for the meeting and press **Save**. Key in the location for the meeting and press **Save**. Key in the start time for the meeting and press **OK**. Key in the end time and press **OK**.

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

- *Reminder*: Key in the note and press **Save**. To set the alarm for the note, select *Alarm on* and set the alarm time.

- *Call*: Key in the phone number, press **Save**, key in the name and press **Save**. OR: If you want to search for the name and number in the phone book, press **Options**, select *Search* and select the desired name.

  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 set the alarm time.

- *Birthday*: Key in the person's name and press **Save**. OR: If you want to search for the name in the phone book, press **Options**, select *Search*, select the desired name, edit the name to your liking and press **Save**.

  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 set the alarm time.

- *Memo*: Key in the subject for the memo and press **Save**. Key in the end day for the memo and press **OK**.

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



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When the phone sounds an alarm for a note

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

To-do list

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

The to-do list uses shared memory, see page 21.

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

- To add a new task, press **Add note** if the task list is empty, or press **Options** and select *Add* if there are existing tasks. Key in the subject for the task and press **Save**. Select the task's priority, for example *High*.
- In the task list, you can press **Options** and select the desired function to add a new task, sort the tasks by deadline, open the calendar for example to add a note, or delete all the notes that you have marked as done.

  You can also delete the selected task, send it to a compatible phone, or save it to the calendar (without deadline and alarm).
- To view a task, scroll to the desired task on the list and press **View**. To edit the displayed task, press **Edit**.

  To use other functions related to the displayed task, press **Options** and select the desired function. You can set the task's deadline and its alarm. You can also



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mark the task as done or not done, delete the task, change its priority, send it to a compatible device, open the calendar, or save the task to the calendar.

Wallet

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

To access this menu: Press **Menu** in standby mode, and select *Organiser* and *Wallet*. You can open the wallet also by pressing **Options** and selecting *Other options* and *Use wallet info* in different browser services, see page 138.

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

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

Saving and changing personal card information

Before you can use the wallet, you need to save your credit card number and other information needed in paying for purchases. This information is arranged in setting groups called 'cards'.

To save information about a card, select *Cards* in the *Wallet* menu, select the desired card, press **Options** and select *View*. Select

- *Card info* to save, for example, your credit card number



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- *User info* to save your user name and password
- *Shipping info* to save your contact information
- *Billing info* to save the contact information if the invoicing address is not the same as the shipping address, for example, when using a company credit card
- *Receipt info* to save phone numbers and e-mail addresses where the service provider can send you a receipt for your purchase

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

Personal notes

You can also save personal notes in the wallet.

Select *Personal notes* in the *Wallet* menu. The phone shows a list of existing notes, if any.

- To create a personal note, press **Add new** if the note list is empty, or press **Options** and select *Add new* if there are existing notes. Key in the note and its title.
- If there are existing notes on the list, you can press **Options** and select an option to delete or edit the selected note, add a new note, sort the notes by name or by date, or delete all the notes.
- To view a note on the list, press **View**. When the note is shown, press **Edit** to modify the note, or press **Options** and select an option to send the note as a text message, copy the note to the calendar, pick a number from the note (*Use number*) or delete the note.



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Wallet settings

Select *Settings* in the *Wallet* menu. Select

- *Code request* to set the wallet code request on or off
- *Change code* to change the wallet code

Paying for your purchases with the wallet

1. Go to a browser service which supports the wallet function and choose the product you want to buy. See also Making a connection to a browser service on page 138.
2. Read carefully through all the instructions available at the browser service.
3. To pay your purchase, press **Options** and select *Use wallet info*.
4. Select the card you want to pay with.
5. If you want the phone to fill in the online form with the wallet information, press **Fill in**. This selection key is shown only if the service supports the Electronic Commerce Modeling Language standard.

   You can also fill in the form manually by selecting the card's fields one by one.
6. Approve the purchase. The form is sent forward.
7. To close the wallet, press **Options** and select *Close wallet*.

After using the wallet, empty the cache memory, see page 144.



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■ Games (Menu 9)



The phone includes some Java games to play. You may also be able to download new games using the *Game downloads* function in this menu.

For information about the Java version supported by the phone, see Applications (Menu 10) on page 120. The games use shared memory, see page 21.

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

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

Adjusting the game settings

In the *Games* menu, select *Settings* to set sounds, lights and vibrations (*Shakes*) for the games.

When the *Vibrating alert* function in the *Tone settings* menu (see page 100) is off, the phone does not vibrate even if you set *Shakes* on.

Starting a game

In the *Games* menu, select *Select game*. Scroll to the desired game or game set in the game list. Press **Open** or to launch the game or to open the game set.

If you opened a game set, scroll to the desired game and start it by pressing **Open** or .

For other functions that you can access by pressing **Options** in the game list, see Other options available for an application or application set on page 121.



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Downloading a game

In the *Games* menu, select *Game downloads*. A list of bookmarks is shown. Select *More bookmarks* to view the bookmarks available in the *Services* menu, see page 141.

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

Follow the instructions available in the browser service.

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

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

Only install software from sources that you trust.

Checking the memory status for games

To view the amount of memory available for Java games, select *Memory* in the *Games* menu. See also Checking the memory status on page 123.

■ Applications (Menu 10)



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



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Various service providers offer Java applications. Before you can use a Java application you have to transfer it to your phone. Java applications use shared memory, see page 21.

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

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

Launching an application

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

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

Other options available for an application or application set

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

- *Delete* to delete the selected application or application set from the phone.
- *Web access* to set the application to ask for your permission to connect to the network (*Ask first*). If you select *Allowed*, the permission is not requested and the application may connect to the network automatically. If you select *Not allowed*, the connection is not allowed.



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- *Update version* to check if a new version of the application is available for downloading from a browser page (network service).
- *Web page* to access a browser page related to the application. This option is shown only if the application contains the IP address of the site.
- *Connect via* to set the phone to use specific service settings if the application needs them. The phone uses as default the service settings for the browser.
- *Details* to view additional information about the application.

Downloading a Java application

You can download new Java applications in the following ways:

- In the *Applications* menu, select *App. downloads*. A list of bookmarks is shown. Select *More bookmarks* to view the bookmarks available in the *Services* menu, see page 141.

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

  Follow the instructions available in the browser service.

  For the availability of different browser services, pricing and tariffs, contact your network operator and/or the service provider.
- Press **Menu** in standby mode and select *Services* to access a browser page from which you can download the Java application you want. See Browsing the pages of a service on page 138.



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- Use the *Game downloads* function in the *Games* menu, see Downloading a game on page 120.
- Use the Nokia Application Installer included in the Nokia PC Suite software to transfer new applications from a compatible PC to your phone.

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

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

Checking the memory status

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

■ Extras (Menu 11)



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

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

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



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Calculator

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

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

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

1. When '0' is shown on the display, key in the first number in the calculation. Press # for a decimal point.
2. Press **Options** and select *Add*, *Subtract*, *Multiply*, *Divide*, *Square*, *Square root* or *Change sign*.

   Tip: Alternatively, press * once to add, twice to subtract, three times to multiply or four times to divide.
3. Key in the second number, if needed in the calculation.
4. For a total, press **Equals**.
5. Press and hold **Clear** for a new calculation.

Making a currency conversion

1. To save the exchange rate, press **Options** and select *Exchange rate*. Select either of the available conversion options. Key in the exchange rate (press # for a decimal point) and press **OK**. The exchange rate is used in currency conversions until you change it.



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2. To make the currency conversion, key in the amount to be converted, press **Options** and select *In domestic* or *In foreign*.

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

Voice commands

You can access certain menu functions by saying a voice command. The voice command can be, for example, a function name.

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

Before using voice commands: Read Notes for using voice dialling on page 85.

Adding a voice command to a menu function

In the *Voice commands* menu, open the folder, for example *Profiles*, which contains the desired function, for example *Silent*, scroll to the function, and press **Add**. Press **Start** and clearly say the word(s) that you want to record as the voice command.

If the function already has a voice command, the indicator is shown beside its name.

Note that all the voice commands are deleted if you insert another SIM card into the phone and save new voice commands.



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Using a voice command

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

See also Making a call using a voice tag on page 86.

Playing, changing or deleting a voice command

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

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

Countdown timer

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

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

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

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

If the alarm time is reached when the phone is in standby mode, the phone sounds a tone and shows the note, if available, or *Countdown time up*. Stop the alarm by



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pressing any key. If no key is pressed, the alarm automatically stops within 30 seconds. To delete the note, press **OK**.

Stopwatch

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

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

Taking split times or lap times

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

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

Setting the timing to continue in the background

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



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



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Viewing and deleting previously taken times

In the *Stopwatch* menu, select

- *Show last* to view the most recent measured time set
- *View times* to view a saved time set
- *Delete times* to delete the saved time sets. To delete all the time sets, select *Delete all* and press **Yes**. To delete time sets one at a time, select *One by one*, scroll to the time set you want to delete, and press **Delete** and **Yes**.

■ Connectivity (Menu 12)



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

For using the phone's USB port, see USB port for fast local connections on page 20, Connectors on page 24 and Nokia PC Suite on page 147.

For general information about GPRS, see GPRS and HSCSD for fast data transfer on page 19.

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



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Bluetooth wireless technology

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

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

Since Bluetooth devices communicate using radio waves, your phone and the other Bluetooth device do not need to be in line of sight. The Bluetooth connection can, however, be subject to interference from obstructions such as walls or other electronic devices.

For compatibility between your phone and another Bluetooth device, consult the device's documentation and your Nokia dealer.

In some countries, there may be restrictions on using Bluetooth devices. Check with your local authorities.

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

Setting up a Bluetooth connection

1. Activate the Bluetooth feature: In the *Bluetooth* menu, select *Bluetooth* and *On*.

   When the Bluetooth feature is on, the indicator is shown at the top of the display.



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- If you activate the Bluetooth feature for the first time, the phone asks for the Bluetooth device name of your phone. Accept the default name or change it. This name can be seen by other Bluetooth device users.

2. Select *Search for audio enhancements* in the *Bluetooth* menu to search for compatible Bluetooth devices, for example the headset HDW-2. The found devices are shown as a list.
3. Select the device that you want to connect to the phone.
4. Enter the device's Bluetooth passcode to associate ('pair') and connect the device to your phone.

   Pairing means that you create a connection with a compatible Bluetooth device by entering its passcode when you connect to it for the first time. Nokia accessories have fixed passcodes that are supplied with them.

   When the connection is established, *Connected to* and the device's name are displayed.
5. Start using the device.

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

Deactivating the Bluetooth feature

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



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Viewing the paired devices

You can check which Bluetooth devices are currently paired with the phone. In the *Bluetooth* menu, select *View paired devices* and scroll to the desired device.

If you want to delete the pairing to the device, press **Delete**.

If you press **Options**, the following functions may be available, depending on the status of the device and the Bluetooth connection. Select

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

Bluetooth settings

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

- *My phone's visibility* to change the way the phone is visible to other Bluetooth devices. Select *Shown to all* to show the phone (default setting) to all other Bluetooth devices or *Hidden* to show the phone only to the paired devices.
- *My phone's name* to change your phone's Bluetooth device name that can be seen by other Bluetooth device users.



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Infrared

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

To activate the infrared port: Press **Menu** in standby mode, and select *Connectivity* and *Infrared*.

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

Sending and receiving data via infrared

- Ensure that the infrared ports of your phone and the other device are pointing at each other and that there are no obstructions between the devices.

  The preferable distance between the two devices in an infrared connection is one meter at the most.

- To receive data, activate the infrared port of your phone by pressing **Menu** in standby mode and by selecting *Connectivity* and *Infrared*. Ask the user of the sending phone to start the data transfer.

- To send data from your phone, select the function from which you want to send data over the infrared connection.

  For example, to send a calendar note when you are viewing it in the *Calendar* menu, press **Options** and select *Send note* and *Via infrared*.

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



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Checking the status of the infrared connection

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

GPRS

In this menu you can define when the phone connects to the GPRS network (network service). You can also define the GPRS settings for using the phone as a modem with a PC (network service).

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

Selecting the GPRS connection mode

In the *GPRS* menu, select *GPRS connection* and *Always online* or *When needed*.

- If you select *Always online*, the phone automatically registers to a GPRS network when you switch the phone on. The phone remains registered to the GPRS network even when you do not use it.

  When *Always online* is selected and the GPRS service is available, is shown on the display.
- If you select *When needed*, the phone registers to the GPRS network only when you access a service, for example a browser service, over GPRS connection. The phone does not remain registered to the GPRS network after the connection.



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If you select *When needed*, establishing a GPRS connection may take longer than when *Always online* is selected.

GPRS modem settings

You can use the phone as a modem for GPRS connections when the phone is connected to a compatible PC via an infrared, Bluetooth or cable connection (network service). See also see PC Connectivity on page 147.

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

- *Active access point* to activate an access point. Scroll to the access point you want to use and press **Activate**. The access point is a server that your phone contacts for an Internet connection.
- *Edit active access point* to change the access point settings. Select
  - *Alias for access point* to create a nickname for the active access point. Key in the name and press **OK**.
  - *GPRS access point* to define the access point name that is needed for GPRS connections. Key in the access point name and press **OK**. Contact your network operator or service provider for the access point name.

If the access point name is set both in the phone and in the Nokia Modem Options software on your PC, the name defined in the Nokia Modem Options will be used.



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■ Services (Menu 13))



This menu contains a browser that you can use to access various services. These services may include, for example, weather reports, news or flight times.

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

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

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

With your phone's browser you can view services that use Wireless Mark-Up Language (WML) or extensible HyperText Markup Language (xHTML) on their pages.

Basic steps for accessing and using browser services

1. Save the settings that are needed to access the service that you want to use. See Setting up the phone for a browser service below.
2. Make a connection to the given service, see page 138.
3. Start browsing the pages of the service, see page 138.
4. When you want to finish browsing, end the connection to the service. See page 140.

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Setting up the phone for a browser service

You may receive the service settings as an Over The Air (OTA) message from the network operator or service provider that offers the service you want to use. For more information, contact your network operator or service provider.

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

Saving the service settings received as a message

- To save the received settings, press **Options** and select *Save*.

  If no settings are saved yet under *Active service settings*, the new settings are saved under the first free connection set.

  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. In the *Services* menu, select *Settings*, *Connection settings* and *Active service settings*.

   You need to activate the set to which you want to save the service settings. A set is a collection of settings needed for making a connection to a service.



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2. Scroll to the set you want to activate and press **Activate**.
3. Select *Edit active service settings*.

   Select each of the settings one by one and key in all the required settings according to the information you have received from your network operator or service provider.

   - *Settings' name*: Key in the new name for the connection set and press **OK**.
   - *Homepage*: Key in the homepage address of the browser service that you want to use, press 1 ∞ for a dot, and press **OK**.
   - *Proxies*: Select *Enable* or *Disable*. If you enable the proxies, you can edit the *Primary proxy* and *Secondary proxy* settings.
   - *Bearer settings*: Define the following settings:
     - *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.
     - *Authentication type*: Select *Secure* or *Normal*.
     - *Login type*: Select *Manual* or *Automatic*.

       If you select *Automatic*, the phone uses the *Password* setting that you have defined.
     - *User name*: Key in the user name and press **OK**.
     - *Password*: Key in the password and press **OK**. This setting is shown only if the *Login type* setting is *Automatic*.



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Making a connection to a browser service

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

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

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

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

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

     Tip: To quickly open the homepage, press and hold 0 in standby mode.

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

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

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

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

Browsing the pages of a service

After you have made a connection to the service, you can start browsing its pages.



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The functions of the phone keys may vary in different browser services. Follow the text guides on the display.

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

Using the phone keys while browsing

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

  Tip: The function of the middle selection key depends on the item you have selected on the page.
- To key in letters and numbers, use the keys 0 – 9. To insert a special character, press *, scroll to the desired character and press **Use** or 5.
- Some or all of the following options may be available while browsing. Press **Options** and select the desired option. The service provider may also offer other options.

  Home: To return to the homepage of the service provider.

  Shortcuts: To open a new list of options that can be, for example, specific to the page.

  Bookmarks: To open the list of previously saved bookmarks, see page 141.

  Add bookmark: To save the displayed page as a bookmark.

  Download links: To view a list of bookmarks for downloading content.



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Other options: To view a list of further options. These include, for example, *Use detail* (to copy, for example, a phone number from the page), *Go to address*, *Service inbox* (see page 142), *Appear. settings* (see page 140), *Security* (includes, for example, cookies and certificates), *Clear the cache* (see page 144) and wallet-related functions.

Reload: To reload and update the current page.

Quit: See Ending a browser connection on page 140.

Ending a browser connection

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

The phone ends the connection to the service.



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.

Appearance settings

1. While browsing, press **Options** and select *Other options* and *Appear. settings*, or in the *Services* menu, select *Settings* and *Appearance settings*.
2. Select
   - *Text wrapping* to define whether the text continues on the next line if it cannot be shown on one line.



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- *Show images* to show or hide the images on browser pages. Hiding the pictures can speed up the browsing of pages that contain a lot of pictures.
- *Font size* to select the size for text shown on browser pages.
- *Alerts* to set the phone to alert when the connection or downloaded items are not secure.

Cookie settings

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

A cookie is data that a service saves in the cache memory of your phone. The cookie can be, for example, your user information. Cookies are deleted if you clear the cache memory, see page 144.

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

Bookmarks

You can save page addresses as bookmarks in the phone. The bookmarks are saved in shared memory, see page 21.

1. While browsing, press **Options** and select *Bookmarks*, or select *Bookmarks* in the *Services* menu.
2. Scroll to the desired bookmark and press **Select** (or) to make a connection to the page associated with the bookmark, or press **Options** for the following functions:



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View, *Edit* or *Delete* to view, modify or delete the selected bookmark.

Send to send the selected bookmark directly to a compatible device (select *As bookmark*), or to send the bookmark as a text message (*As text message*).

New bookmark to create a new bookmark without connecting to the associated page. Key in the address and the title of the page and press **OK**.

Tip: To see the full title or address of a bookmark on the bookmark list, press and hold .

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

Receiving a bookmark

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

Service inbox

The phone is able to receive service messages ('pushed messages') from your service provider (network service). These messages can contain, for example, news headlines available in a browser service and the address of a service that offers the news.



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To view a service message you have received:

1. **When no connection is in progress**

   When a note about a new service message is shown, press **View** to view the message right away or press **Exit** to view it later.

   To view the message later, press **Menu** in standby mode, select *Services* and *Service inbox* and scroll to the desired message.

   When a connection is in progress

   Press **Options**, select *Other options* and *Service inbox* and scroll to the desired message.

2. Press **Retrieve** or **Options**.
   - If you press **Retrieve** (or), the phone downloads the content indicated in the service message.
   - If you press **Options**, you can select *Details* to view information about the service message or *Delete* to delete the message.

Service inbox settings

Press **Menu**, and select *Services*, *Settings* and *Service inbox settings*. Select

- *Service messages* to allow or prevent the reception of service messages.
- *Automatic connection* to set the phone to automatically activate the browser when the phone receives a service message.



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Emptying the cache memory

To empty the cache memory:

- When no connection is in progress: Press **Menu** in standby mode, and select *Services* and *Clear the cache*.
- When a connection is in progress: Press **Options** and select *Other options* and *Clear the cache*.

Security features for browser connections

Security features may be required for some services, such as banking services. For such connections you need security certificates. For more information, contact your service provider.

Certificates

There are two kinds of certificates: server certificates and authority certificates.

- **Server certificates**

  The phone uses a server certificate to create a connection with improved security to the 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 if the identity of the Internet server cannot be verified, if the Internet server certificate is not authentic or if you do not have the correct authority certificate in your phone.

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



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However, the security indicator does not indicate that the data transmission between the Internet server and the content server is secure. It is up to the service provider to secure the data transmission between the Internet server and the content server.

- **Authority certificates**

  Authority certificates are used by some browser services, such as banking services, for checking the validity of other certificates. You may be able to download authority certificates from a browser service, if the service supports the use of authority certificates. If you save the certificate, it is added to the certificate list in the phone.

■ Go to (Menu 14)



In this menu you can activate the same functions that can be accessed by pressing **Go to** in standby mode.

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

To remove functions from or add more functions to the list, see Personal shortcuts on page 92.

■ SIM services (Menu 15)



In addition to the functions available on the phone, your SIM card may provide additional services that you can access in menu 15. This menu is shown only if it is supported by your SIM card. The name and contents of this menu depend on the services available.



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

You can set the phone to show the confirmation messages sent between your phone and the network when you are using a SIM service. Select the option *Yes* in the *Confirm SIM service actions* setting, see page 97.

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



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6. PC Connectivity

You can use different Internet services such as World Wide Web (WWW) and e-mail (network services) when your phone is connected to a compatible PC via infrared or Bluetooth connection or the USB cable DKU-2. You can use the phone with a variety of PC connectivity and data communications applications.

With the Nokia PC Suite software you can, for example, synchronise phone book contents and calendar notes between your phone and the PC, create new ringing tones, and manage the photos and video clips captured with the phone's camera.

You may find more information and downloadable files on the Nokia Web site at www.nokia.com/support/phones/6650.

■ Nokia PC Suite

The Nokia PC Suite software is supplied on the CD-ROM which comes with your phone.

To use Nokia PC Suite, install it on a compatible PC and connect the phone to the PC via infrared or Bluetooth connection or the USB cable DKU-2 (supplied separately).

Nokia PC Suite contains the applications listed below. For more information, see the online Help for each application.

- **Nokia Application Installer** to install Java applications from the PC to the phone.



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- **Nokia Multimedia Player** to view the phone's multimedia files such as sounds, video clips and images. You can also create playlists of your favorite multimedia files.
- **Nokia Image Converter** to modify images and transfer them to a compatible mobile phone as wallpapers, contact images, and MMS pictures.
- **Nokia Sound Converter** to convert General MIDI ringing tones to polyphonic ringing tones for your phone.
- **Nokia Content Copier** to copy or back up information from your phone to a compatible PC or Nokia phone.
- **Nokia Settings Manager** to manage your bookmarks and service settings.
- **Nokia Phone Editor** to send text messages and edit the phone book and message settings of your phone.
- **Nokia Phone Browser** to view the contents of the phone's *Gallery* menu on your PC and to open other Nokia PC Suite applications.
- **Nokia PC Sync** to synchronise the phone book contents and the calendar notes between your phone and a compatible PC.
- **Nokia 6650 modem drivers** that allow you to use your phone as a modem.
- **Nokia Modem Options** to define the settings for HSCSD and GPRS connections.
- **Nokia Connection Manager** to select the connection type between the PC and your phone.



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

■ Using your phone as a modem

For information about connecting your phone to a compatible PC, see the documentation provided with Nokia PC Suite. For information about using a data communication application, refer to the documentation provided with it.

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

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



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7. Battery information

■ Charging and discharging

Your phone is powered by a rechargeable battery.

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

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

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

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

Use the battery only for its intended purpose.

Never use any charger or battery which is damaged.

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

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



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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.



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CARE AND MAINTENANCE

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

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

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



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IMPORTANT SAFETY INFORMATION

■ Traffic Safety

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

Remember road safety always comes first!

■ Operating environment

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

Use the phone only in its normal operating positions.

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

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

■ Electronic devices

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



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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.



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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.



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■ 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.



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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



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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 andthe safety for the user and any other person. The highest SAR value for this model phone when tested for compliance against the standard was 0.64 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.

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

* The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of 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.



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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.

WARRANTY CARD

FILL IN WITH BLOCK LETTERS

Purchaser's Name: _____

Address: _____

_____

Country: _____

Phone: _____

Date of Purchase (dd/mm/yy): |__|__| / |__|__| / |__|__|

Product Type (on phone type label under battery): |__|__|__| – |__|__|__|

Product Model (on phone type label under battery): |__|__|__|__|

Phone Serial No (on phone type label under battery):

|__|__|__|__|__|__| / |__|__| / |__|__|__|__|__|__| / |__|

Place of Purchase: _____

Store Name: _____

Store Address: _____



Stamp