User's Guide

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Issue 1

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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, e-mail 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.

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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, LCH-9 and LCH-12.

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

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

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

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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 *Access codes* and *Security level* functions in the *Security settings* menu. Keep the new code secret and in a safe place separate from your phone.

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

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

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- **PIN2 code:** This code may be supplied with the SIM card and is required to access some functions, such as charging unit counters.
- **PUK and PUK2 codes:** 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.
- **Module PIN and signing PIN:** The module PIN is needed to access the information in the security module. The signing PIN is needed for the digital signature. These PIN codes may be supplied with the SIM card if the card contains a security module.
- **Wallet code:** The wallet code is needed to use the wallet services.
- **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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■ Downloading content and applications

You may be able to download new content (for example images and video clips) and applications into the phone (network service).

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

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

2. 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 and try the connection again. Follow the instructions provided by the service.

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

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

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Nokia 7600 imaging phone – Overview

The Nokia 7600 imaging 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. You can attach the photo or video clip 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 contacts list.

■ Music player

The phone includes a music player that allows you to listen to audio files using a headset or the phone's loudspeaker. You can transfer audio files to your phone via the Nokia Audio Manager PC software included on the CD-ROM in the sales package.

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■ Nokia PC Suite and Nokia Audio Manager

The CD-ROM supplied with the phone contains the Nokia PC Suite software which includes an extensive collection of different applications.

With these applications you can, for example, create new ringing tones, manage the photos and video clips captured with the phone's camera, and install new Java™ applications to your phone.

With the Nokia Audio Manager application you can transfer AAC or MP3 music files from a compatible PC to your phone via the USB cable (DKU-2). This cable is supplied with the phone. You can also create play lists of your music files and save your CD audio files in AAC format and transfer them to your phone. You can then play the music files in your phone's *Music* menu.

Nokia PC Suite is also available on Nokia's Web site at www.nokia.com.

For more information, refer to the documentation and Help files that come with Nokia PC Suite and Nokia Audio Manager.

■ Shared memory

The following features in this phone may share memory: contacts list; text and multimedia messages; images, video clips, ringing tones and music files 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).

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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 94.

■ 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. When the phone is being used in a UMTS network, is shown in standby mode, if supported by the network.

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■ GPRS for fast data transfer

You can use the phone for fast GPRS (General Packet Radio Service) data services (network services).

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

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

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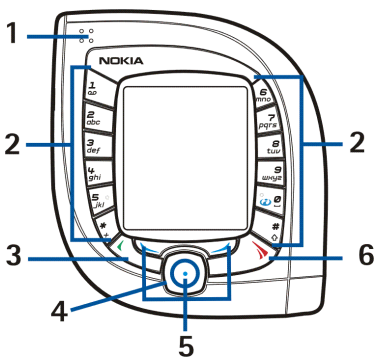
1. Your phone

■ Keys and connectors

Front keys and earpiece



1. Earpiece
2. – enter numbers and characters. Pressing and holding calls your voice mailbox (network service).

   and are used for various purposes in different functions.
3. dials a phone number or answers a call. Pressing this key in standby mode shows the most recently dialled numbers.
4. **4-way scroll key**

   With this key you can scroll through different lists, such as contacts and menu functions, and move the cursor for example when writing a message.

   If you press the centre of the scroll key, the phone performs the function displayed above it. Pressing left in standby mode opens a text editing

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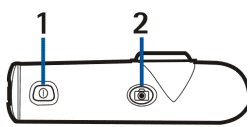
screen where you can write and send a text message. Pressing right in standby mode opens the calendar.

5. **Three selection keys**

   Each key performs the function that is displayed above it. The middle selection key (indicated with a blue spot) can be found in the centre of the 4-way scroll key. See also Three selection keys on page 25.

6. ends an active call or rejects a call. **This key also exits from any function.**

Top 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. Camera key for activating the camera to take a picture or record a video clip

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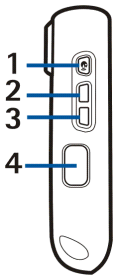
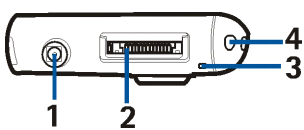
Side keys and infrared port



1. 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.
2. Volume up key
3. Volume down key
4. Infrared port for a wireless connection with a compatible device

Bottom connectors



1. Charger connector
2. Pop-Port™ connector with an integrated USB port
3. Microphone
4. Holes for a carrying strap

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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 centre of the scroll key , 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 made with the *Personal shortcuts* menu under the *Settings* menu, see page 91. 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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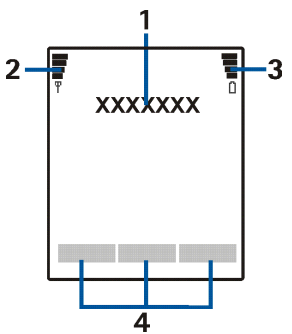
■ Standby mode and display indicators

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

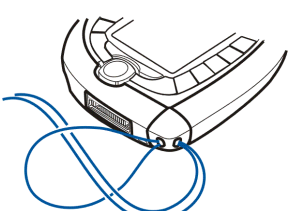
1. Shows the name of the network in which the phone is being used, or the operator logo.
2. Shows the signal strength of the cellular network at your current location. The higher the bar, the stronger the signal.

   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.



Putting on the wrist strap

Thread the strap as shown in the picture and then tighten it.



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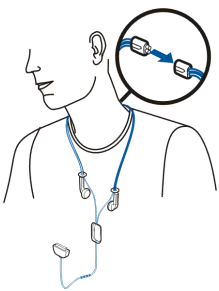
Using the Nokia HS-3 headset

Connect the compatible headset to the Pop-Port connector of your phone.

Warning! This headset may affect your ability to hear sounds around you. Do not use this headset in situations that may endanger your safety.

Attach the two cables together and carry the headset as shown in the picture.



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2. Getting started

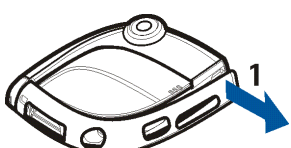
■ Installing the SIM card and the battery

- 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

To open the back cover of the phone, you first need to remove one of the two side covers ('sleeves') from the phone.

1. With the display facing downwards and the camera lens pointing to the top left, remove the right sleeve from the phone (1).



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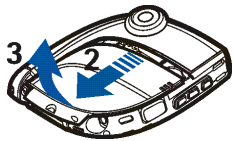
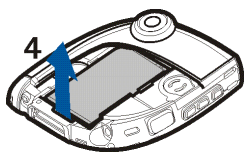
2. Slide the back cover to the bottom of the phone (2) and lift it off the phone (3).

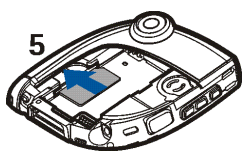


3. Remove the battery by lifting it from the edge (4).

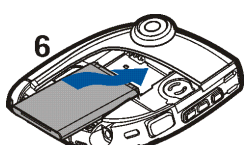


4. Slide the SIM card into the SIM card slot (5).

   Make sure that the golden contacts on the card are facing downwards and that the bevelled corner points towards the camera lens.



5. Align the battery contacts with the corresponding contacts on the phone (6) and push the battery towards the phone until it locks into place.



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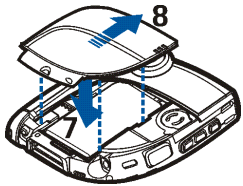
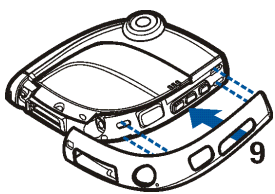
6. Place the back cover over the battery (7) and slide it gently into place (8). Make sure that the cover is properly in place.



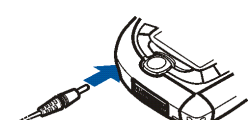
7. Replace the sleeve by pushing it towards the phone. Make sure that the sleeve is properly in place.



■ Charging the battery

- Do not charge the battery when the back cover or the sleeves of the phone are removed. See also Battery information on page 148.

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



The charging indicator bar starts scrolling on the display. If the battery is completely flat, it may take a few minutes before this indicator appears. You can use the phone during charging.

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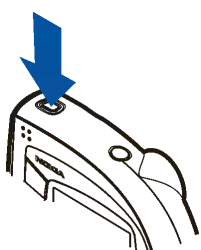
- Charging the battery supplied with the phone takes about 1 hour 30 minutes when using the ACP-12 charger.
- If *Not charging* is displayed, wait for a while, disconnect the charger, plug it in again and retry. If charging still fails, contact your dealer.

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 15.
- If the phone displays *Insert SIM card* even though the SIM card is properly inserted, or *SIM card not supported*, insert the card again. If the text still appears on the display, contact your network operator or service provider. Your phone does not support 5 Volt SIM cards and the card may need to be changed.

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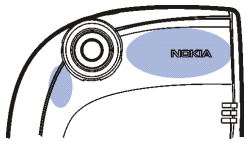
TIPS ON EFFICIENT OPERATION: Your phone has two internal antennas (blue areas in the picture). As with any other radio transmitting device, do not touch the antennas unnecessarily when the phone is switched on. Contact with the antennas affects call quality and may cause the phone to operate at a higher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

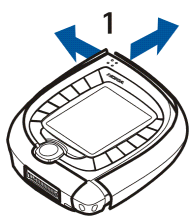


■ Changing the Xpress-on sleeves

Before changing the sleeves, always switch off the power and disconnect the phone from the charger or any other device. Always store and use the phone with the covers attached.

You can change the side covers (sleeves) of the phone.

1. With the display facing upwards and the camera lens pointing to the right, remove the sleeves from the phone starting from the corner indicated with the text 'Nokia' (1).



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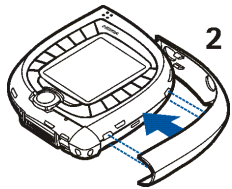
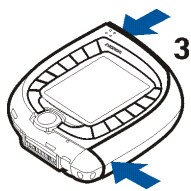
2. Align the new right sleeve with the phone (2).

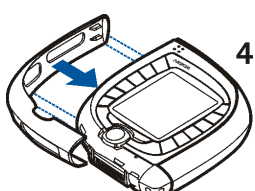


3. Install the new right sleeve by pushing its ends towards the phone.

   Make sure that the sleeve is properly in place.



4. Align the new left sleeve with the phone.



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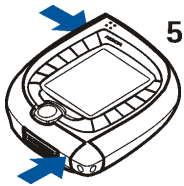
5. Install the new left sleeve by pushing its ends towards the phone.

   Make sure that the sleeve is properly in place.



■ 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 19.

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. To activate the camera, press the camera key on top of the phone in standby mode.

   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. You can set the default mode in the *Camera* menu. For details, see Camera (Menu 6) on page 104.

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

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

2. Press **Capture** (or the camera key) to take a photo or **Record** (or the camera key) to record a video clip.

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

   - The approximate number of photos that can be saved in the phone is shown at the top of the display.

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

   - When you record a video clip, the red indicator and 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 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**.

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3. The photo or video clip is 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, for example, send the photo or video clip 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 contacts list.

   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 left or right to move the cursor and **Clear** to delete the character to the left of the cursor.

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

2. Press to call the number.

   To take a photo and send it in a multimedia message (in UMTS networks only): Press the camera key and press **Capture** (or the camera key again). To send the photo to a compatible device (network service), press **Options**, and select *Send*.

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

Calling a phone number saved in the contacts list

Press down (or up) 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 . To view the default phone number saved with the name, press **Details** or press and hold #. Press to make the call.

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Calling a recently dialled number

In standby mode, press once to view up to 20 numbers that 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 1, or press 1 and .

If the phone asks for the voice mailbox number, key it in and press **OK**. See also Voice messages on page 74.

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

Voice dialling

You can dial a phone number by saying one or more words that have been attached to it. See Voice dialling on page 87.

Speed dialling a phone number

If you have assigned a phone number to one of the keys 2 to 9 (see Speed dials on page 89), 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 94) is set on, press and hold the number key in standby mode until the call is started.

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Making another call during a call (network service)
During a call, press **Options** and select *New call*. Key in the phone number, or search for it in the contacts, and press **Call** or . The first call is put on hold.

- To switch between the two calls, press **Swap** or . To end the active call, press , or press **Options** and select *End call*. To end both calls, press **Options** and select *End all calls*.
- To join the two calls into a conference call (network service), press **Options** and select *Conference*. To have a private conversation with one of the participants, select *Private* and the participant. To rejoin the call, select *Conference*. To end the call, press .

■ 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 the Nokia HS-3 headset, is connected to the phone, you can answer and end a call by pressing the headset button.

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

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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*, *Record*.

Select

- *Send DTMF* to send DTMF tone strings, for example, a password. Key in the DTMF string, or search for it in the contacts list. To key in a wait character (w) or a pause character (p), press * repeatedly.
- *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 enhancement connected to the phone.

■ 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.

Important! Do not hold the phone near to your ear when the loudspeaker is in use because the volume may be extremely loud.

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

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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 the CK-1W, or headset, such as the HS-3, 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.

■ Using the voice key

The voice key is located above the volume keys on the side of the phone. This key can be used for voice recording, voice dialling and voice commands.

To use the voice key for voice dialling, see pages 38 and 87. To use the voice key for voice commands, see page 125. These functions can be used only in standby mode.

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

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

To stop the recording, press the voice key. The recording is saved in the *Recordings* folder of the *Gallery* menu, see page 109.

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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■ Keypad lock (Keyguard)

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

To lock the keypad, press **Menu** in standby mode and then * within 1.5 seconds. To unlock the keypad, press **Unlock** and then * within 1.5 seconds.

If you have set the *Security keyguard* function to *On*, you need to enter a security code to unlock the phone.

When the keypad is locked:

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

You can also set the keypad to lock automatically after a certain length of time (see *Automatic keyguard* on page 95), or you can set the phone to ask for the security code when you unlock the keypad (see *Security keyguard* on page 95).

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

■ Writing text

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

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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

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. For general instructions on writing text, see page 45.

   For example, to write 'Nokia', press 6 mno, 6 mno, 5 jkl, 4 ghi, 2 abc.

   - To insert a common punctuation mark, press 1 and then * repeatedly. OR: Press and hold *, scroll to the desired character and press **Use**.
   - To insert a special character: Press and hold *, scroll to the desired character and press **Use** or 5 jkl.

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2. If the displayed word is the one that you want, press 0 (a space is inserted) and write the next word.
   - If the word is not the one that you want, press **Options**, select *Matches* and the desired word, and press **Use**. OR: Press * repeatedly until the word appears. To view the previous match, press **Prev.**
   - If the '?' character is shown after the word, no words in the dictionary correspond to your keypresses. To add a word to the dictionary: Press **Spell**, key in the word using traditional text input and press **Save**. When the dictionary becomes full, the new word replaces the oldest one that was added.
   - To edit the previous word, press left to select it and modify it.
3. When using predictive text input, pressing **Options** can also allow access to the following functions:
   - *Insert word* or *Edit word*: You can key in a word using traditional text input and add it into the dictionary. *Insert word* is shown when no word is underlined, i.e. selected for editing. *Edit word* is shown when a word is underlined.
   - *Insert symbol*: You can select a special character from a list.

Writing compound words

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

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Using traditional text input

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

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

General instructions on writing text

- To insert a space, press .
- To move the cursor, use the key.
- To delete the character to the left of the cursor, press **Clear**. Press and hold **Clear** to delete several characters.
- To change the character case, press repeatedly and check the indicator, for example **Abc**, at the top of the display.
- To insert a number, press and hold the desired key. To insert several numbers, press and hold and key in the numbers. To continue writing text, press and hold .

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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 94.

■ Accessing a menu function

By scrolling

1. Press **Menu** in standby mode.
2. Press ◎ down, up, left or right to scroll to a main menu, for example *Settings*, and press **Select** to open it.

   When the menu view is *List*, you can press ◎ to scroll up or down through the main menus. To change the menu view, see *Menu view* in Display settings on page 97.
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**.

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

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 that 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. E-mail
4. Chat
5. Voice messages
   1. Listen to voice messages
   2. Voice mailbox number
6. Info messages
7. Message settings
   1. Text messages

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2. Multimedia msgs.
3. Other settings

8. 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. 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

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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. Voice tags
8. Service numbers[1]
9. My numbers
10. Caller groups

4. Profiles

1. General
   1. Activate
   2. Personalise
   3. Timed

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

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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]
4. Phone settings
   1. Language settings
   2. Automatic keyguard
   3. Security keyguard
   4. Cell info display

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

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5. Welcome note
6. Operator selection
7. Network mode
8. Confirm SIM service actions
9. Help text activation
10. Start-up tone
11. Memory status

5. Display settings
   1. Wallpaper
   2. Colour schemes
   3. Menu view
   4. Operator logo
   5. Screen saver time-out
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
   2. Handsfree

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

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3. Loopset

8. Security settings
   1. Code in use
   2. PIN code request or UPIN code request[1]
   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. Media player

8. Music

9. Gallery

10. Organiser

1. Alarm clock
2. Calendar

---

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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3. To-do list
4. Wallet

11.Games

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

12.Applications

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

13. Extras

1. Calculator
2. Voice commands
3. Countdown timer
4. Stopwatch

14. Connectivity

1. Bluetooth
   1. Bluetooth
   2. Search for audio enhancements
   3. View active device

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4. View paired devices
5. Bluetooth settings

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

15. Services

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

16. Go to

17. 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 and e-mail 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 76.

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

Writing and sending a text or picture message

1. Press **Menu** in standby mode, and select *Messages*, *Text messages* and *Create message*. OR: Press left in standby mode.
2. Key in the message, see Writing text on page 42.

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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 'á' takes up more space. Note that predictive text input may use Unicode characters.

- To insert a picture into the message, press **Options** and select *Insert picture*. The list of folders in the *Gallery* is shown, see page 109. Scroll to the desired picture, press **Options** and select *Insert*. There are no preset pictures for picture messages in the phone.

  To view the text and picture together, press **Options** and select *Preview*. To change the picture or delete it from the message, press **Options** and select the desired function.
- To use a predefined text as a base for the message, press **Options**, select *Use template*, scroll to the desired template, press **Options** and select *Insert*.
- To insert a phone number from the contacts list, press **Options** and select *Insert number*. Press **Search** or press down and select the number from the contacts list.
- To insert a name from the contacts list, 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 contacts list, 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**. When you have sent the message to everyone you want, press **Done**.
   - *Send to list* to send the message using a distribution list, see page 79.
   - *Sending profile* to send the message using the settings that you have defined earlier. See Message settings on page 76.

The sent message is saved in the *Sent items* folder. Note that a separate text message is sent to each recipient when you are using *Send to many* or *Send to list* functions.

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

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 73. Text messages use shared memory, see page 19.

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 56.

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

- *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.
- *Archive* where you can save messages for later use.

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- *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)

The phone allows you to 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 19.

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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 77. 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 64.

1. Press **Menu** in standby mode, and select *Messages*, *Multimedia msgs.* and *Create message*.
2. Key in a message, see Writing text on page 42.
   - 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*.
   - 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.

     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*.

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

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- To insert a name from the contacts list, 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 contacts list, 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 option.
- 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*. The function of the middle selection key depends on the displayed object. The presentation is played automatically.
4. To send the message to a phone number, press **Send** or . To send the message to an e-mail address, press **Options** and select *Send to e-mail*.

   To send the message to several recipients, press **Options** and select *Send to many*.
5. Key in the recipient's phone number or e-mail address, or search for it in the contacts list. Press **OK** to send the message.

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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 contacts list. When you have selected all the recipients, press **Done**. Press **Send** or to send the message separately to each recipient.

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 77.

Notes for sending a multimedia message

- Copyright protections may prevent some images, ringing tones, and other content from being copied, modified, transferred or forwarded.
- 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 that 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 73. Multimedia messages use shared memory, see page 19.

Read also the notes for receiving multimedia messages on page 66.

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. 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.

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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 .
- 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*.

  With *Use detail* you can extract a phone number, e-mail address or Web address from the message.

Tip: You can press instead of using the *Use detail* function.

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

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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 77.
- *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.

E-mail messages

You can send and receive e-mail messages without attachments (network service). To send or receive messages:

- You need an e-mail account. Contact your e-mail service provider.
- Define the service settings that contain the GPRS access point settings for e-mail. See Setting up the phone for a browser service on page 135.
- Activate the set of service settings that can be used for e-mail. See General settings for the e-mail function on page 73.
- Define the e-mail settings, see page 71.

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Writing and sending an e-mail message

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

1. Press **Menu** in standby mode and select *Messages*, *E-mail*, *Open* and *Create e-mail*.
2. Key in the recipient's e-mail address and press **Options** and select *OK*. OR: To search for the e-mail address in the contacts list, press **Options**, select *Search*, scroll to the name under which the e-mail address is saved, press **Options** and select *OK*.
3. Key in a subject for the message and press **Options** and select *OK*. You can skip this step if you want.
4. Key in the message. The number of available characters is shown on the top right of the display.
5. To send the message, press **Options** and select *Send e-mail*. Select *Send now* to send the message immediately or *Send later* to save it in the *Outbox* folder from which you can send it later.

   If you want to continue writing the message later, press **Options** and select *Save draft msg.* to save it in the *Drafts* folder.

   To send the message as a carbon copy or blind carbon copy, press **Options** and select *Add cc* or *Add bcc*, respectively.

   To edit the recipient or subject, press **Options** and select *Edit recipient* or *Edit subject*.

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- **Sending the message later:** Press **Menu** and select *Messages*, *E-mail*, *Open*, *Other folders*, *Outbox* and *Send now*.

Connecting to the e-mail service and retrieving new messages

The e-mail function uses shared memory, see page 19. If the message memory becomes full, you need to delete some old messages before you can retrieve new ones.

1. To connect to the e-mail service and retrieve new messages that you have received into your e-mail account: Press **Menu** and select *Messages*, *E-mail*, *Open* and *Retrieve*. The messages are saved in the *Inbox* folder.

   To retrieve new messages and send the messages saved in the *Outbox* folder: press **Menu** and select *Messages*, *E-mail*, *Open*, *Other options* and *Retrieve and send*.

2. Press **Select** to view a new message or press **Back** to view it later. An unread text message is indicated by ✉.

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

3. To reply to the displayed message, press **Reply**. Select *Original text* if you want to include the original message in the reply. Write your reply message.

   Press **Send** and select *Send now* to send the message.

For other functions that can be accessed by pressing **Options** in the *Inbox* folder, see *Inbox* in Folders for e-mail messages on page 70.

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Folders for e-mail messages

Your phone has different folders for e-mail messages.

To open the *Inbox* folder, press **Menu** in standby mode, and select *Messages*, *E-mail*, *Open* and *Inbox*.

To open any other e-mail folder, press **Menu** in standby mode, and select *Messages*, *E-mail*, *Open* and *Other folders*.

- *Inbox* is the folder where the phone saves the e-mail messages that you have retrieved from your e-mail account.

  While reading a message, you can press **Options** to delete or forward the message, reply to it, move it to the *Archive* folder, mark it as unread, select the character encoding method, view its details or view its next or previous page.

- *Outbox* is the folder where the phone saves the e-mail message you are writing if you press **Options** and select *Send later*.

  While reading a message, you can press **Options** for example to send or edit the message or save it in the *Drafts* folder.

- *Sent items* is the folder where the phone saves sent messages.

- *Drafts* is the folder where you can save unfinished messages.

  While reading a message, you can press **Options** for example to move the message to the *Outbox* folder.

- *Archive* is the folder where you can save messages for later use.

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Keying in the e-mail settings manually

You may receive the e-mail connection settings as an Over The Air (OTA) message from the e-mail service provider. You can also key in the settings manually.

1. Press **Menu** in standby mode and select *Messages*, *E-mail*, *Open*, *Other options* and *Settings*.
2. Select *Mailbox in use* and the mailbox whose settings you want to edit. These settings are needed for sending and retrieving e-mail messages. For the correct settings, contact your e-mail service provider.
3. Select *Edit active mailbox* and define the settings one by one.
   - *Mailbox name*: Key in the name that you want to use for the mailbox.
   - *E-mail address*: Key in your e-mail address.
   - *My name*: Key in your name or nickname if you want the recipient to see it.
   - *Outgoing (SMTP) server*: Key in the address of the outgoing e-mail server.
   - *Incoming server type*: Select *POP3* or *IMAP4*. If the server supports both types, select *IMAP4*. Changing the server type also changes the port number for incoming e-mail.
   - *Incoming (POP3/IMAP) server*: Key in the address of the incoming e-mail server.
   - *POP3/IMAP user name*: Key in the user name that is needed to access the mailbox. If you have not defined your *SMTP user name*, the e-mail server uses this user name instead.

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- *POP3/IMAP password*: Key in the password that is needed to access the mailbox. If you have not defined your *SMTP password*, the e-mail server uses this password instead.
- *Advanced settings* and select
  - *Outgoing (SMTP) port*: Key in the port number for outgoing e-mail.
  - *Use SMTP authorisation*: Set this setting to on if your e-mail service provider requires authentication for sending e-mail. You have to also define your *SMTP user name* and *SMTP password*.
  - *SMTP user name*: Key in the user name for outgoing e-mail that you have obtained from your e-mail service provider.
  - *SMTP password*: Key in the password for outgoing e-mail. If you do not define this setting, the phone asks for it when you make a connection to your e-mail account.
  - *Include signature*: If you set this setting to on, you can define a text that is automatically added to the end of the messages that you send.
  - *Incoming (POP3/IMAP) port*: Key in the port number for incoming e-mail.
  - *Reply-to address*: Key in the e-mail address to which you want the replies to be sent, if it differs from your e-mail address.
  - *Secure login APOP*: Select *On* if your connection requires an encrypted login, otherwise leave it to *Off*. This setting is only shown if you have selected *POP3* in the *Incoming server type* setting.

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Using encrypted login enables improved security for user names and passwords. It does not improve security for the connection itself.

- *Retrieve e-mails*: Select *All* to retrieve all your e-mail messages at once, or select *User defined* to retrieve only some of them at a time.

General settings for the e-mail function

Press **Menu** in standby mode and select *Messages* and *E-mail*. Select

- *Connect via* to activate the network connection settings that you want to use with the e-mail function.

  Select *Application* to activate the settings that are used for the e-mail function or select *Default* to use the same settings as with your browser, see Keying in the service settings manually on page 135.

- *Details* shows information about the e-mail function.

Deleting messages

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

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

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

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

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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 contacts list 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 that you sent. To reply to the message, press **OK** and repeat step 3.
5. To end the chat, press **Options** and select *Quit* in the editor screen.

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

Voice messages

Voice mailbox is a network service and you may need to subscribe to it before using it for the first time.

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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 94.

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 receipt 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.
- *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 to delete existing topics from it. This menu is shown only if supported by your SIM card.

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- *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.

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).

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- *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

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

Settings for multimedia messages

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

- *Save sent messages* and *Yes* to set the phone to save sent multimedia messages in the *Sent items* folder. If you select *No*, the sent messages are not saved.

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- *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.
- *Default slide timing* to define the default interval for slides in your presentations.
- *Allow multimedia reception* to allow (*Yes*) or prevent (*No*) the receipt 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 in which you want to save the settings and then edit them. See also Keying in the service settings manually on page 135.

  For proper settings, contact your network operator or service provider.
- *Allow adverts* to allow or prevent the receipt of advertisements. This setting is not shown if *Allow multimedia reception* is set to *No* or *Incoming multimedia messages* is set to *Reject*.

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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). For proper commands, contact your service provider.

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.

Distribution lists

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

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

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

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

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.

■ 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

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

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

- *Received calls* to view up to ten phone numbers from which you have most recently accepted calls (network service).
- *Dialled numbers* to view up to 20 phone numbers that you have most recently called or attempted to call. See also Calling a recently dialled number on page 38.
- *Delete recent call lists* to clear the lists of missed, received, and dialled calls.

Notes about missed, received and dialled calls

- The phone registers missed and received calls only if the network supports these functions and the phone is switched on and within the network's service area.
- If the phone number of a registered call has been saved with a name in your contacts list, 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 contacts list, 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.

  Each phone line may have its own call timers. See *Line for outgoing calls* on page 94.

- *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.

- *GPRS connection timer* to view the approximate duration of the last GPRS connection or all GPRS connections.

■ Contacts (Menu 3)

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

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

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 19.

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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*).

Some of the functions can also be accessed as follows: Press down (or up) in standby mode, scroll to the name that 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 settings for contacts

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

- *Memory in use* to select the contact memory that 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 contacts list. 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.

Saving names and phone numbers

1. Press **Menu** in standby mode and select *Contacts* and *Add contact*.
2. Key in the name and press **OK** to save it.

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3. Key in the phone number, including the area code, and press **OK** to save it.
   - To use the phone number while abroad, press * twice (for the + character) and 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 contacts list, 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 down (or up) in standby mode.
3. Scroll to the name to which you want to add a number or text item, and press **Details**.
4. Press **Options**, and select *Add number*, *Add detail* or *Change type*.
   - To add a phone number, select *Add number* and a number type.
   - To add a text item, select *Add detail* and a text type.

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- 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.

Changing the default number

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

Adding an image to a saved name or number

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

Press down (or up) 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*.

Changing the image attached to a saved name

Press down (or up) in standby mode, scroll to the desired name and press **Details**.

Scroll to the image, press **Options** and select *Change image*. OR: If the *Contacts view* setting is *Name and number*, scroll to the image and press **Change**.

Scroll to the desired image in the *Gallery* menu, press **Options** and select *Save to contacts*.

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Searching for a name in the contacts

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

Deleting contacts

Press **Menu** in standby mode and select *Contacts* and *Delete*. Select *One by one* or *Delete all*.

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

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

Press down (or up) 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**, select the appropriate function, and press **Yes**.

Editing a name, number or text item

1. Press down (or up) in standby mode, scroll to the desired name and press **Details**.

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

Copying 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.

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

Voice dialling

You can dial a phone number by saying one or more words ('voice tag') attached to it.

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

Before using voice dialling, note that:

- Voice tags are not language dependent. They are dependent on the speaker's voice.
- Voice tags are sensitive to background noise. Record them and make calls in a quiet environment.

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- 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 down (or up) 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) that you want to record as the voice tag.

Making a call using a voice tag

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

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 that you want.

Other functions related to the contacts list

To access the following functions, press **Menu** in standby mode and select *Contacts*. Select

- *Service numbers* to call the service numbers of your service provider if they are available on your SIM card (network service).

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- *My numbers* to view the phone numbers assigned to your SIM card if this is allowed by the card.
- *Caller groups* to arrange the names and phone numbers saved in the *Contacts* menu into caller groups. For each group, you can select a ringing tone and a logo that is shown when you receive a call from an identified phone number that belongs to the given group.

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

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

  See also *Alert for* in Tone settings on page 99.

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 that 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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Business cards

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

To send a business card to a compatible phone or other device which supports the vCard standard: Press down (or up) in standby mode, scroll to the desired name, and press **Details**. Press **Options** and select *Send bus. card*. Select *Via infrared*, *Via text message* (network service), or *Via Bluetooth*.

When you receive a business card, press **Show** and **Save** to save the business card in the phone's memory. To discard the business card, press **Exit** and **OK**.

■ Profiles (Menu 4)

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

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

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

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For information on the settings, see Tone settings on page 99. 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.

  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).

  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.

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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.

  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 power key, the selection keys and .

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- *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 2 abc to 9 wxyz by pressing and holding the corresponding key. See also Speed dials on page 89.
- *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 approximate 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.
- *Line for outgoing calls* to select the phone line 1 or 2 for making calls (network service). Calls on both lines can be answered regardless of the selected line.

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

Phone settings

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

- *Language settings* to select the language for the display texts. If you select *Phone language* and *Automatic*, the phone selects the language according to

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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.

- *Security keyguard* to set the phone to ask for the security code when the keypad lock is opened. Note that activating this function does not protect your phone data from PC Suite access.

  To activate the security keyguard, key in the security code, press **OK** and select *On*. To deactivate the security keyguard, select *Off*.

  See also Keypad lock (Keyguard) on page 42.

- *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).

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- *Welcome note* to create 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.
- *Network mode* to set the phone to automatically select the GSM or UMTS network (*Dual network*) or set the phone to use the GSM network.

  If you select *Dual network*, the phone selects a GSM or UMTS network automatically according to the network parametres and the roaming agreements between the network operators.

  If you select GSM, the phone only tries to use the selected network. If the selected network is not available in your location, you need to change this setting.

  After changing the setting, the phone switches itself off and back on.

Warning: If you set the phone to use only the GSM network, you will not be able to make any calls, including emergency calls, or use other

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features requiring a network connection, if the selected network is not available.

- *Confirm SIM service actions* to set the phone to show confirmation messages (*Yes*) when you use SIM card services.
- *Help text activation* to set the phone to show help texts that guide you in using the menu functions.
- *Start-up tone* to set the phone to play a tone when the phone is switched on.
- *Memory status* to view the total amount of free and used shared memory and the amount of memory used by different functions.

Display settings

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

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

  The wallpaper images can be found in the *Gallery* menu. You can save new images in supported formats from received multimedia messages, download them from browser pages, or transfer them with Nokia PC Suite from a compatible 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

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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.

- *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.
- *Menu view* to set the manner in which the phone displays the main menu. If you select *List*, the menus are shown as a list. If you select *Grid*, the menus are shown as a grid. In the grid view, the menu name is shown at the top of the display.
- *Operator logo* to set the phone to display or hide the operator logo saved in the phone. If there is no operator logo available in the phone, this function is dimmed.

  For availability of operator logos, contact your network operator or service provider. You can create your own operator logos using the Nokia Image Converter application, see Nokia PC Suite and Nokia Audio Manager on page 19.
- *Screen saver time-out* to set the time after which the screen saver feature is activated.

  The screen saver is a power saving feature that becomes active if the phone is not used for a certain length of time in standby mode. When the screen saver is

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active, a digital clock moves from the top to the bottom of the display and the rest of the display is blank.

Select the time-out from the available values, or select *Other* and set the value.

You can deactivate the screen saver by pressing any key.

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 90.

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 tone, for example an MP3 file, 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.

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- *Message alert tone* to select the tone that 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.
- *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 Other functions related to the contacts list on page 88.

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

Adding new tones to your phone

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

You can create your own tones using the Nokia Sound Converter or Nokia PC Composer application included in the Nokia PC Suite software.

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Enhancement settings

You can define the settings that the phone uses by default when it is connected to a compatible headset, car kit or inductive loopset. This menu is shown only if the phone has been connected to one of these enhancements at least once.

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

Select *Headset*, *Handsfree* or *Loopset*, if available. Select

- *Default profile* to select the profile that is automatically activated when you connect the selected enhancement to the phone. You can select another profile while the enhancement is connected.
- *Automatic answer* to set the phone to automatically answer an incoming call after five seconds. If *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.

Enhancement indicators in standby mode

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

Security settings

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

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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. The *UPIN code* option is shown only if a USIM card is inserted into the phone.
- *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.
- *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.

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

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

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

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- *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.

  When you use a closed user group, the group number and are shown in standby mode.

- *Security level* to define when the phone asks for the security code.

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

  If you select *Memory*, the security code is 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 contacts list to another. See also *Memory in use* under Selecting the settings for contacts on page 83.

  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 that you have saved or downloaded to the phone.

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■ 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*.

Taking a photo or recording a video clip

To use the camera within this menu, select the camera mode (*Standard photo*, *Portrait photo*, *Night mode*, or *Video*) and take a photo or record a video clip. For more information and to use the camera in standby mode, see page 34.

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

The photos and video clips are saved in shared memory, see page 19. If there is not enough memory to use the camera, delete some old photos or other files from the *Gallery* menu, see page 109.

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 activate the camera by pressing the camera key.

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

■ Media player (Menu 7)

In this menu you can view images and play sounds and video clips saved in the phone and access services from which new images, sounds and video clips can be downloaded.

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 *Media player*.

In the *Media player* menu, select

- *Open Gallery* to open the files saved in the *Gallery* menu.

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- *Media downloads* to download for example images and ringing tones to your phone (network service). For more information, see Downloading content and applications on page 17.

For functions that you can access by pressing **Options** while viewing or listening to multimedia content, see Gallery (Menu 9) on page 109.

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

Streaming content

Streaming content refers to an audio or video file that you can listen to or watch while downloading it from a streaming content server. The streaming content is only available while you are connected to the server. The availability of the streaming feature depends on your service provider or network operator.

Select *Bookmarks* in the *Media player* menu if you want to view the browser bookmarks that can be used to access content servers. The same bookmarks are available in the *Services* menu. If the bookmark associated with a service does not work with the current settings, activate another set of settings in *Active connection settings* of this menu and try again.

Select *Go to address* in the *Media player* menu if you want to key in the address of the content server that you want to access. Key in the address (press * for special characters), and press **OK**.

To define the settings that are needed to access a streaming content server, select *Connection sett.* in the *Media player* menu. Select *Active connection settings*, scroll to the set of connection settings to which you want to save the streaming

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settings, and press **Activate**. Next, select *Edit active connection settings* and define the settings that you have received from the provider of the streaming service. For more information, see Keying in the service settings manually on page 135.

■ Music (Menu 8)

Your phone includes a music player for listening to music tracks or other MP3 or AAC sound files that you have transferred to the phone with the Nokia Audio Manager application.

You can listen to the sound files via a compatible headset or the phone's loudspeaker.

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 *Music*.

To transfer music tracks from a compatible PC and manage the music tracks and track lists, see the instructions for the Nokia Audio Manager application that is included with the Nokia PC Suite software.

You can make or answer a call while using the music player. During a call, the playback is paused.

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Playing the music tracks transferred to the phone

When you open the *Music* menu, the details of the first track on the default track list are shown. To play a track, scroll to the track that you want and press **Play** or press ◉ right.

To adjust the volume level, use the volume keys on the side of the phone.

To stop the playing, press **Stop** or press ◉ left.

To skip to the beginning of the next track, press ◉ down. To skip to the beginning of the previous track, press ◉ up twice.

To rewind the current track, press and hold ◉ up. To fast forward the current track, press and hold ◉ down. Release the key at the position you want.

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

Settings for the music player

In the *Music* menu, pressing **Options** allows access to the following settings.

- *Play options*: Select *Random* to play the tracks on the track list in random order. Select *Repeat* to play the current track or the entire track list repeatedly.
- *Music downloads*: You can connect to a browser service related to the current track. This function is only available when the address of the service is included in the track.

  For more information, see Downloading content and applications on page 17.

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- *Loudspeaker*: You can listen to the music player via the phone's loudspeaker when the headset is connected to the phone.
- *Headset*: You can listen to the music player via a compatible headset connected to the phone.

  Tip: When using a headset, you can skip to the next track by pressing the headset key quickly. To stop the playing, press and hold the headset key.
- *Track list*: You can view all the tracks available on the track list and play the desired track. To play a track, scroll to the desired track and press **Play** or press right.

  If you press **Options**, you can refresh the track list (for example after adding new tracks to the list) and change the track list that is shown when you open the *Music* menu, if several track lists are available in the phone.

■ Gallery (Menu 9)

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

The phone supports the following file formats:

- Pictures: JPEG, GIF, WBMP, BMP, OTB, and PNG.
- Audio: MP3, AAC, Scalable Polyphonic MIDI (SP-MIDI), AMR and monophonic ringing tones.
- Video clips: 3GP (with H.263 video and AMR audio).

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The phone does not necessarily support all variations of these file formats.

The gallery uses shared memory, see page 19. Note that the maximum number of files that can be saved in a folder is 200. To save more files, create a new folder using the *Add folder* function.

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 *Gallery* menu, 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.
   - *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.

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- *Sort* to arrange the folders by name, date, format or size.
- *Gallery downloads* to download video clips, images and tones (network service). See Downloading content and applications on page 17.
- *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 113.

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

   Alternatively, press **Options** and select

   - *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.

     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 97.
   - *Set as ring tone* to use the selected sound as a ringing tone for the active profile. See also Profiles (Menu 4) on page 90.
   - *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*.

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To add a frame or clip-art, scroll to the desired image, press **Options** and select *Insert*. Move the added image with the scroll keys and press **OK**, or press **Back** to change the frame or clip-art.

To save the changed image in GIF format, press **Save**, edit the image's name, press **OK**, scroll to the desired folder, press **Options** and select *Save*.

- *Move* to move the file to the desired folder. Scroll to the folder to which 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.
- *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 .

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

   - *Mute audio*/*Unmute audio* to turn the sound 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 by pressing down or up.

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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 stored in 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.

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 10)

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

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

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

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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*.

To set a tone for the alarm, select *Alarm tone* and the desired tone. *Standard* is the ringing tone that you have selected for the active profile in the *Profiles* menu, see page 90.

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.

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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 19.

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 .

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

Using the different calendar views

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

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

  - *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.

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- **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 left or right.

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

  - *Repeat* to select the interval at which the note is repeated, 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 118.

- **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 left or right. Press **Edit** to modify the displayed note.

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

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Making a calendar note

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

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

Select one of the following note types:

- *Meeting*: 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**.

  When setting the time, you can also press up or down to scroll through the hours and minutes or left or right to select the hours or minutes.

  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 contacts list, 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 contacts list, press **Options**, select *Search*, select the

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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.

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 that you need to do and manage the tasks in different ways. The to-do list uses shared memory, see page 19.

To access this menu: Press **Menu** in standby mode, and select *Organiser* and *To-do list*. The 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** for example to add a new task, sort the tasks by deadline, or delete all the notes that you have marked as done.

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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**.

  You can press **Options** for example to set the task's deadline and its alarm, mark the task as done or not done, or change its priority.

Wallet

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

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

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Select *Cards* in the *Wallet* menu, select the desired card and define the required settings.

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.
- If there are existing notes, you can press **Options** and select an option for example to delete or edit the selected note.
- To view a note on the list, press **View**. When the note is shown, press **Edit** to modify the note, or press **Options** and select an option to send the note as a text message, copy the note to the calendar, pick a number, e-mail address or Internet address from the note (*Use detail*) or delete the note.

Wallet settings

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

■ Games (Menu 11)

The phone includes some Java games to play.

For information about the Java version supported by the phone, see Applications (Menu 12) on page 121. The games use shared memory, see page 19.

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

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

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

To start a game: Select *Select game*, scroll to the desired game and press **Open** or to launch the game or to open the game set. For functions that you can access by pressing **Options** in the game list, see page 122.

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

To download a game to the phone: Select *Game downloads* and see Downloading content and applications on page 17. When downloading a game, it may be saved in the *Applications* menu instead of the *Games* menu.

■ Applications (Menu 12)

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

Various service providers offer Java applications. Before you can use a Java application you have to transfer it to your phone. Java applications use shared memory, see page 19.

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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 that 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.
- *Update version* to check if a new version of the application is available for downloading from a site (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.

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- *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*. For details, see Downloading content and applications on page 17.
- 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.
- Use the *Game downloads* function in the *Games* menu.
- Use the Nokia Application Installer included in the Nokia PC Suite software to transfer new applications from a compatible PC to your phone.

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

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

Checking the memory status

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

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■ Extras (Menu 13)

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

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

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

Calculator

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

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

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

1. 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*. OR: Press *+ as many times as needed.
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.

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Making a currency conversion

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

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

Voice commands

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

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

Before using voice commands: Read the notes for using voice dialling on page 87.

Adding a voice command to a menu function

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

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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.

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 will be displayed when the time expires, and press **OK** to start the countdown timer. When the countdown timer is on, ⏲ is shown in standby mode.

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

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

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Stopwatch

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

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

Taking split times or lap times

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

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

Setting the timing to continue in the background

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

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

Viewing and deleting saved time sets

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

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With *Delete times* you can 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 14)

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

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

Bluetooth wireless technology

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*.

General information

The phone supports Bluetooth technology that allows you to wirelessly connect the phone to a compatible Bluetooth device within 10 meters.

The phone is compliant with the Bluetooth Specification 1.1 and supports the following Bluetooth profiles: Serial Port Profile (DevA & DevB), Object Push Profile (as a client and server), File Transfer Profile (as a server), Dial-Up Networking

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Profile (as a gateway), Headset Profile (as a gateway), Hands-Free Profile (as a gateway).

To ensure interoperability between Bluetooth devices, use Nokia approved accessories for this phone. Check with the manufacturers of other Bluetooth devices to determine their compatibility with this phone.

The Bluetooth connection can be subject to interference from obstructions such as walls or other electronic devices. In some countries, there may be restrictions on using Bluetooth devices. Check with the 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.
2. Select *Search for audio enhancements* in the *Bluetooth* menu to search for compatible Bluetooth devices.
3. Select the device that you want to connect to the phone.
4. Enter the device's Bluetooth passcode to associate ('pair') and connect the device to your phone. You only need to give this passcode when you connect to the device for the first time.
5. Start using the device.

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

Deactivating the Bluetooth feature

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

Viewing the paired devices

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

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

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

Bluetooth settings

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

- *My phone's visibility* and *Shown to all* to show the phone to all other Bluetooth devices or *Hidden* to show the phone only to the paired devices.

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- *My phone's name* to change your phone's Bluetooth device name that can be seen by other Bluetooth device users.

Infrared

The phone has an infrared port that you can use for connecting your phone to another IrDA-compliant device. Over an 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 by accessing this menu.
- 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 compatible PC (network service).

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

GPRS indicators

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

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, G is shown on the display.

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- If you select *When needed*, the phone registers to the GPRS network only when you access a service, for example a WAP site, over a GPRS connection. The phone does not remain registered to the GPRS network after the connection.

  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 (network service) when the phone is connected to a compatible PC via an infrared, Bluetooth or cable connection.

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.
  - *GPRS access point* to define the access point name that is needed for GPRS connections. 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 a compatible PC, the name defined in the Nokia Modem Options will be used.

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■ Services (Menu 15)

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. The appearance of a page may vary due to the limited screen size and some details of the page may not be visible.

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 137.
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 139.

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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. You can also key in the settings manually or define and edit them with Nokia PC Suite.

For more information and the appropriate settings, contact your network operator or service provider that offers the service. 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.

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

Keying in the service settings manually

1. In the *Services* menu, select *Settings*, *Connection settings* and *Active service settings* to activate the connection set to which you want to save the service settings.
2. Scroll to the set you want to activate and press **Activate**.
3. Select *Edit active service settings*.
4. Select and key in the settings below 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**.

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- *Homepage*: Key in the homepage address of the 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**.
  - *Authentication type*: Select *Secure* or *Normal*.
  - *Login type*: Select *Manual* or *Automatic*.

    If you select *Automatic*, the phone uses the *User name* and *Password* settings 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*.

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.
   - *Show images* to show or hide the images on browser pages.
   - *Font size* to select the size for text shown on browser pages.

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- *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 the receipt of 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 142.

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

Making a connection to a browser service

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

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

   If you want to use the same browser 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 in standby mode.

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

  If the bookmark does not work with the current 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**.

Browsing the pages of a service

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

The functions of the phone keys may vary in different 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 to browse through 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 that you have selected on the page.
- To key in letters and numbers, use the keys to . To insert a special character, press *, scroll to the desired character and press **Use** or 5.

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- Some of the following options may be available while browsing. Press **Options** and select the desired option. The service provider may also offer other options.

  The options are: *Home*, *Shortcuts*, *Add bookmark*, *Bookmarks* (see page 140), *Download links*, *Other options*, *Save to folder*, *Reload*, *Quit* (to end the connection, see page 139).

  Select

  - *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.
  - *Add bookmark* to save the current page as a bookmark.
  - *Download links* to view a list of bookmarks for downloading content.
  - *Other options* to view a list of other available options. These include, for example, *Use detail* (to copy, for example, a phone number from the page), *Go to address*, *Service inbox* (see page 141), *Appear. settings* (see page 136), *Security* (includes, for example, cookies and certificates), *Clear the cache* (see page 142) and wallet-related functions.
  - *Reload* to reload and update the current page.

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.

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See also Emptying the cache memory on page 142.

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.

Bookmarks

You can save page addresses as bookmarks in the phone. The bookmarks are saved in shared memory, see page 19.

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:

   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 (*Via 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 .

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Note: 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 bookmark or *Discard* to discard it.

Service inbox

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

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

Settings for the service inbox

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

- *Service messages* to allow or prevent the receipt of service messages.

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- *Automatic connection* to set the phone to automatically activate the browser when the phone receives a service message.

Emptying the cache memory

Press **Menu** in standby mode, and select *Services* and *Clear the cache*. OR: Press **Options** while browsing 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 and possibly a security module which may be available on your SIM card. For more information, contact your service provider.

Security module

The security module can contain certificates as well as private and public keys. The security module is to improve security services for functions requiring a browser connection. The certificates are saved in the security module by the service provider.

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

- *Security module details* to view the security module's title, status, manufacturer and serial number.

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- *Module PIN request* to set the phone to ask for the module PIN code when using services provided by the security module. Key in the code and select *On*. To disable this request, select *Off*.
- *Change module PIN* to change the module PIN code, if allowed by the security module. Enter the current module PIN code and then enter the new code twice.

See also Access codes on page 15.

Certificates

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

To view the available certificates, press **Menu** in standby mode and select *Services*, *Settings*, *Security settings* and *User certificates* or *Authority certificates*.

- **Server certificates**

  The phone uses a server certificate to improve security in the connection between the phone and the gateway. 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 security indicator is displayed during a connection, if the data transmission between the phone and the Internet server is encrypted.

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

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- **Authority certificates**

  Authority certificates are used by some online services, such as banking services, for checking the validity of other certificates. Authority certificates can be saved in the security module by the service provider, or they can be downloaded from the network, if the service supports the use of authority certificates.

- **User certificates**

  User certificates are issued to users by a Certifying Authority. User certificates are needed, for example, to create a digital signature, and they associate the user with a specific private key in a security module.

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

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

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

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■ Go to (Menu 16)

In this menu you can activate the same functions that can be accessed by pressing **Go to**, if this key is available 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 91.

■ SIM services (Menu 17)

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

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

You can set the phone to show the confirmation messages sent between your phone and the network when you are using a SIM service. Select the option *Yes* in the *Confirm SIM service actions* setting, see page 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 connect the 7600 imaging phone to a compatible PC via an infrared or Bluetooth connection or the USB cable (DKU-2) supplied with the phone. You can use the phone with a variety of PC connectivity and data communications applications.

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

■ USB port for fast local connections

The Pop-Port connector at the bottom of the phone includes a Universal Serial Bus (USB) port that allows fast data transfer via the DKU-2 cable between the phone and a PC provided with a compatible USB port.

For the USB connection, you need to have one of the following operating systems installed on your PC: Windows 98 SE, Windows Me, Windows 2000 or Windows XP. Install the appropriate USB drivers that came on the CD-ROM supplied with the phone. For installation instructions, see the documentation supplied with the drivers.

Exit all the phone functions before connecting your phone to the PC with the USB cable.

Important! Do not connect the USB cable to your PC before you have installed the Nokia Audio Manager PC software from the CD-ROM that came in the sales package.

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■ 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 and do not move the phone or hold it in your hand.

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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 and the safety for the user and any other person. The highest SAR value for this model phone when tested for compliance against the standard was 0.71 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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