User's Guide for Nokia 7200

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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.

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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Network Services

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

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

This wireless phone, Nokia 7200, is 3GPP GSM Release 99 terminal supporting (E)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, chat, presence-enhanced contacts, remote SyncML, 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, ACP-8, ACP-7, AC-1, 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.

A few practical rules for accessory operation

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

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General information

Access codes

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

  Change the code, and keep the new code confidential and in a safe place separate from your phone. To change the code, and to set the phone to request the code, see "Security settings" on page 45.
- **PIN code:** The PIN (Personal Identification Number) code may be supplied with the SIM card. It protects your SIM card against unauthorised use. Set the phone to request the PIN code each time the phone is switched on, see "Security settings" on page 45.
- **PIN2 code:** This code may be supplied with the SIM card and is required to access some functions.
- **PUK and PUK2 codes:** These codes may be supplied with the card. Otherwise, contact your local service provider for the codes.
- **Barring password:** The barring password is required when using the *Call barring service*, see "Security settings" on page 45.
- **Module PIN and Signing PIN:** The module PIN is required to access the information in the security module, see page 61. The signing PIN is required for the digital signature, see on page 62. The module PIN and signing PIN are supplied with the SIM card if the SIM card has a security module in it.
- **Wallet code:** This code is required to access the wallet service, see "Wallet" on page 53.

Overview of the functions of the phone

The Nokia 7200 phone provides many practical functions, such as a calendar, a clock, an alarm clock and a radio, and a built-in camera. The camera can be used for recording video clips and taking pictures that you can, for example, attach as wallpapers in standby mode or as thumbnail pictures in *Contacts*.

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Your phone also supports, for example:

- GPRS (General Packet Radio Service) for sending and receiving data over an Internet Protocol (IP)-based network, see "(E)GPRS" on page 42.
- EDGE (Enhanced Data rates for GSM Evolution), see "(E)GPRS" on page 42. EDGE is a radio interface modulation technique which increases GPRS data rates.
- The Multimedia messaging service (MMS). See "Multimedia messages" on page 22.
- Polyphonic sounds are used in ringing tones and message alert tones. The phone supports Scalable Polyphonic MIDI (SP-MIDI) format.
- Java 2 Micro Edition, J2ME™, and includes some Java applications and games. See "Collection" on page 55.
- Chat, which is a way of sending short text messages that are delivered immediately to online users. See "Chat" on page 27.
- Presence-enhanced contacts that enables you to conveniently share your availability information with your colleagues, family and friends. See "My presence" on page 36.

Shared memory

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

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1. Getting started

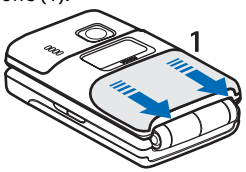
Installing the SIM card

- Keep all miniature SIM cards out of the reach of small children.

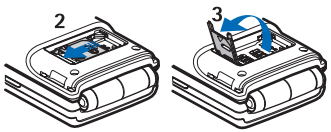
The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.

Before installing or removing the SIM card, always ensure that the phone is switched off and disconnected from any enhancement.

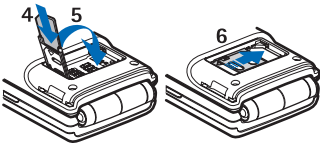
1. With the phone closed, press carefully and slide the SIM card cover to remove it from the phone (1).



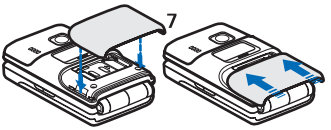
2. To release the SIM card holder, slide the card holder backwards (2) and open it by lifting (3).



3. Insert the SIM card into the SIM card holder (4). Ensure that the SIM card is properly inserted and that the golden contact area on the card is facing downwards. Close the SIM card holder (5) and slide it forwards to lock it (6).

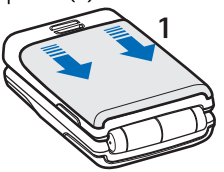


4. Direct the SIM card cover towards the locking catches on the phone and slide the SIM card cover into place (7).



Installing and removing the battery

1. With the phone fold closed and the back of the phone facing you, press carefully and slide the battery cover to remove it from the phone (1).



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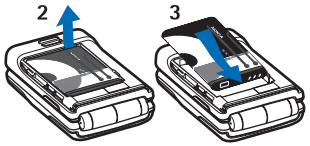
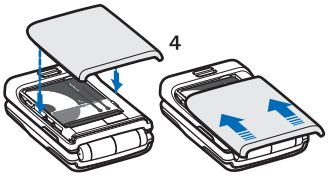
2. Remove the battery by lifting it from the end from the finger grip (2). Replace the battery (3).

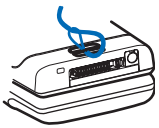


3. Direct the locking catches in the battery cover towards the locking catches on the phone and slide the battery cover into place (4).



Putting on the wrist strap

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



The textile covers of the phone

Before changing the cover, always switch off the power and disconnect the phone from the charger or any other device. Avoid touching electronic components while changing the covers. Always store and use the phone with the covers attached.

- To remove and replace the SIM card cover of the phone, see steps 1 and 4 in "Installing the SIM card" on page 1.
- To remove and replace the battery cover of the phone, see steps 1 and 3 in "Installing and removing the battery" on page 1.

Maintaining the textile covers

You can dust the fabric of the covers daily using a soft brush or a dry cloth.

To clean the fabric, remove the covers and run a slightly damp white cotton cloth over them. Avoid the use of printed absorbent cloths/ papers as they can release ink onto the fabric.

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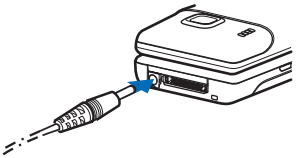
To clean the covers more thoroughly, remove the covers first and dust the fabric with care. Dampen a soft cloth or a sponge in clean water, squeeze it thoroughly and wipe over the whole cover fabric, making sure not to wet it excessively. Rinse the cloth or sponge and repeat as necessary. In the case of stains, use a mild detergent, for example hand soap, to remove stains. Dry the covers thoroughly and replace them. Leave to dry (overnight). Once the fabric is dried, in order to restore the fabric, brush it delicately with a soft bristle brush.

Charging the battery

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



2. Connect the charger to an AC wall socket.

   On the main display the battery indicator scrolls during charging, and when the power is on, also the text *Charging* is displayed briefly when the charging starts. If the battery is completely flat, it may take a few minutes before the charging indicator appears on the display or before any calls can be made.

   On the mini display the text *Charging* is displayed during charging when the fold is closed and the phone is switched on. Only the battery indicator is shown during charging when the fold is closed and the phone is switched off.

You can use the phone while the charger is connected.

The charging time depends on the charger and the battery used. For example, charging a BL-4C battery with the ACP-12 charger takes approximately 1 hour and 30 minutes while the phone is in standby mode.

Switching the phone on and off

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

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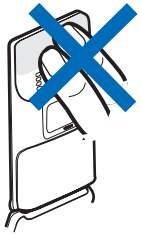
Press and hold the power key.

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

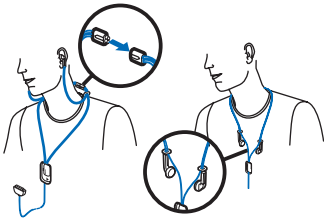
If the phone request a PIN code or a security code, open the fold and key in the code and press **OK**. See also "Access codes" on page viii.



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

Headset

You can, for example, carry the HS-3 headset as shown in the picture.



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

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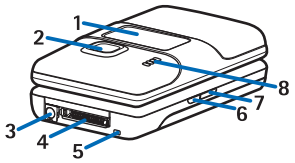
2. Your phone

Introduction to the phone – fold closed

1. **Mini display**



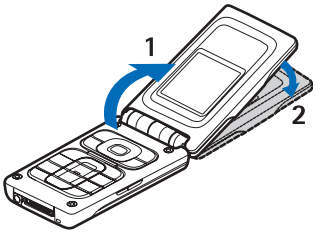
2. **Camera lense**
3. Charger connector
4. **Pop-Port™ connector** used, for example, for headsets and the data cable.
5. **Microphone**
6. **Power key** switches the phone on and off.

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

   To quickly change the profile in standby mode when the keypad is not locked, open the list of profiles and scroll to the desired profile by briefly pressing the power key. To activate the profile, press and hold the power key. Refer to "Profiles" on page 40.
7. **Infrared (IR) port**
8. **Loudspeaker**

Introduction to the phone – fold open

When you open the fold of the phone, it automatically opens up to approximately 150 degrees (1). The hinge is more flexible and lets you turn the fold approximately up to 180 degrees (2). Do not try to force the fold open further.



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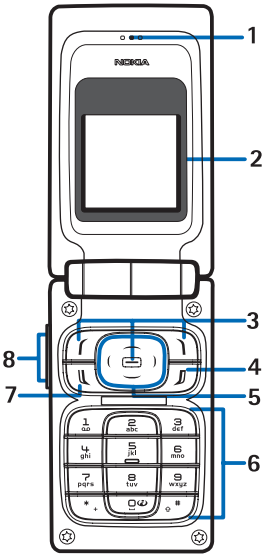
1. **Ear piece**



2. **Main display**
3. **Selection keys** , , **middle selection key**

   The function of these keys depends on the guiding text shown on the display above the keys. See "Standby mode" on page 6.
4. ends an active call.

   Press and hold to exit from any function.
5. **4-way scroll keys**

   , , ,

   Enables, for example, scrolling through contacts, menus or settings and in calendar, or moving the cursor when writing text.
6. - enter numbers and characters.

   and are used for various purposes in different functions.
7. dials a phone number, and answers a call.
8. **Volume keys** to adjust the volume of the earpiece or the loudspeaker, or the headset when it is connected to the phone.

   When the fold is closed, to mute the ringing tone of an incoming call, to switch the alarm clock to snooze, or to mute, for example, the calendar note alarm.

Standby mode

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

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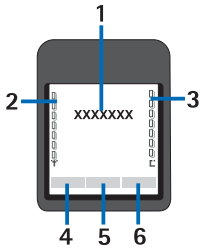
Mini display in standby mode

When the fold is closed, the mini display may show, for example:

- The name of the network, or if the phone is not in service, it is indicated by a text note.
- The time and date, the active profile, and the alarm clock or calendar note alerts.
- When you have an incoming call, the caller's name or number is shown if it is identified. Refer to "Answering or rejecting an incoming call" on page 12.
- The phone activates the screen saver in standby mode, see *Screen saver* in "Display settings" section on page 41.

Main display in standby mode

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



2. Shows the signal strength of the cellular network at your current location. The higher the bar, the stronger the signal.
3. Shows the battery charge level. The higher the bar, the more power in the battery.
4. The left selection key in standby mode is **Go to**.

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

   - *Select options* to view the list of available functions. Scroll to a function and press **Mark** to add it to the shortcut list. To remove a function from the list, press **Unmark**.
   - *Organise* to rearrange the functions on the list. Scroll to the function that you want to move, press **Move** and select where you want to move the function.

     If there are no functions on the shortcut list, press **Add** to add a function.
5. The middle selection key in standby mode is **Menu**.
6. The right selection key in standby mode may be

   - **Names** to access the *Contacts* menu.

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- the operator-specific key to access an operator's homepage.
- a specific function that you have selected in the *Right selection key* menu. See "Personal shortcuts" on page 41.

Wallpaper and screen savers

You can set the phone to display a background picture, wallpaper, on the main display, and to select a screen saver for the mini display and set the phone to activate it, see "Display settings" on page 41. The phone automatically activates the digital clock screen saver for the main display.

Essential indicators in standby mode

One or several text or picture messages received. See "Reading and replying to an SMS message or an e-mail via SMS" on page 20.

One or several multimedia messages received. See "Reading and replying to a multimedia message" on page 24.

Your phone is connected to the chat service and the availability status is online or offline. See "Connecting to and disconnecting from the chat service" on page 28.

One or several chat messages received when you are connected to the chat service. See "Connecting to and disconnecting from the chat service" on page 28.

The phone's keypad is locked. See "Keypad lock (Keyguard)" on page 10.

The phone does not ring for an incoming call or text message when *Incoming call alert* is set to *Off*, and/or none of the caller groups has been set to alert in the *Alert for* setting, and *Message alert tone* is set to *Off*. See "Tone settings" on page 41.

The alarm clock is set to *On*. See "Alarm clock" on page 50.

The countdown timer is running. See "Countdown timer" on page 56.

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The stopwatch is running in the background. See "Stopwatch" on page 57.

The (E)GPRS connection mode *Always online* is selected and the EGPRS service is available. The indicators for GPRS and EGPRS are the same. Refer to "(E)GPRS connection" on page 42.

An (E)GPRS connection is established. Refer to "(E)GPRS connection" on page 42 and "Browsing the pages of a service" on page 58.

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

When the infrared connection is activated, the indicator is shown continuously. See "Infrared" on page 41.

1 or **2** If you have two phone lines, the indicator displays the selected phone line. See *Line for outgoing calls* in "Call settings" on page 43.

All incoming calls are diverted to another number. For two phone lines, the indicators are 1 and 2. See "Call settings" on page 43.

The loudspeaker is activated, for example, during a call.

Calls are limited to a closed user group. See "Security settings" on page 45.

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

The timed profile is selected. See "Profiles" on page 40.

Time and date
See "Time and date settings" on page 41.

Some useful shortcuts in standby mode

- Press [ ] once to access the list of dialled numbers. Scroll to the number or name that you want, and press [ ] to call the number.
- To call your voice mailbox, press and hold [1].
- To make a connection to a browser service, press and hold [0].

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- To open the *Calendar* menu, press ( ).
- To find a contact name, press ( ).
- To start writing text messages, press ( ).
- To open the camera viewfinder with standard photo view, press ( ). To quickly change the camera mode, for example video, press and hold ( ) or ( ).

Keypad lock (Keyguard)

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

- **Locking the keypad:** In standby mode, press **Menu** and * within 1.5 seconds. The keyguard is not activated when you close the fold.
- **Unlocking the keypad:** Open the fold, press **Unlock** and * within 1.5 seconds.

To answer a call when the keyguard is on, open the fold or press ( ). During a call, the phone can be operated normally. When you end or reject the call, the keyguard will automatically be on again.

For security keypad locking, see *Security keyguard* in the "Phone settings" section on page 44.

For locking the keypad during a call, see "Options during a call" on page 13.

Note: When Keyguard is on, calls may be possible to the emergency number programmed into your phone (e.g. 112, 911 or other official emergency number). Key in the emergency number and press ( ). The number is displayed only after you have keyed in its last digit.

Over the air settings service

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

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

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When you have received the connection settings as an over the air message, and the settings are not automatically saved and activated, *Connection settings received* is displayed.

- To save the received settings, select the option *Save*. If the phone requests *Enter settings' PIN:*, enter the PIN code for the settings. For availability of the PIN code, contact the service provider that supplies the settings.

  If no settings are saved yet, these settings are saved under the first free connection set.
- To view the received settings, select the option *View*. To save the settings, press **Save**.
- To discard the received settings, select the option *Discard*.

To activate the settings, see, for example "Making a connection to a service" on page 58.

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

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3. Call functions

Making a call

1. Open the fold and key in the phone number, including the area code. If you key in an incorrect character, press **Clear** to delete it.

   For international calls[1], press * twice for the international prefix (the + character replaces the international access code[2]) and then key in the country code, the area code without the leading 0, if necessary, and the phone number.
2. Press the call key to call the number.
3. Press the end key or close the fold to end the call or to cancel the call attempt.

Speed dialling a phone number

Before you can use speed dialling, assign a phone number to one of the speed-dialling keys, from 2 abc to 9 wxyz, see *Speed dials* in "Other functions in the contacts" on page 40. Call the number in either of the following ways:

- Press the speed-dialling key that you want and then press the call key.
- If *Speed dialling* is set to on, press and hold a speed-dialling key until the call is started. See "Call settings" on page 43.

Answering or rejecting an incoming call

When the fold is closed, open the fold to answer an incoming call. To reject an incoming call, open the fold and within 1.5 seconds close it again, or press the end key.

- If you press either of the volume keys instead of answering the call, only the ringing tone is muted.

When the fold is open, press the call key to answer an incoming call, or press the end key to reject an incoming call.

- If you press **Options** instead of answering the call, the ringing tone is muted and you can either select to answer the call or to reject the call.

1. Note that some calls between the regions of one country (for example, in China between mainland provinces and Hong Kong Special Administrative Region) are also considered international calls.
2. Depending on your operator, you may still be able to use the international access code (network services).

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

To end the call, press [end] or close the fold.

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

Options during a call

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

During a call some of the following options may be available:

- *Mute* or *Unmute*, *End call*, *End all calls*, *Contacts*, *Menu* and *Hold* or *Unhold*, *Lock keypad*, *Record*, *Equaliser*, *New call* (network service), *Answer* and *Reject*.
- *Conference* to make a conference call that allows up to five persons to participate (network service).
- *Auto volume on* / *Auto volume off* to set the automatic volume control on or off. See "Call settings" on page 43.
- *Send DTMF* to send DTMF (Dual Tone Multi-Frequency) tone strings, for example, passwords or bank account numbers.
- *Swap* to switch between the active call and the call on hold (network service), *Transfer* to connect a call on hold to an active call, and disconnect yourself from the calls (network service).
- *Loudspeaker* to use the phone as a loudspeaker during a call. Do not hold the phone to your ear during loudspeaker operation as the volume may be extremely loud.

  Using the loudspeaker with the radio, see "Using the loudspeaker" on page 49.

  Note that when you have activated loudspeaker, you can also close the fold of the phone during a call. First Press **Options** and then close the fold within 5 seconds.

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4. Writing text

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

When you are writing text, the predictive text input is indicated by and the traditional text input by at the top left of the display. The character case is indicated by Abc, abc, or ABC next to the text input indicator. You can change the character case by pressing [*]. The number mode is indicated by 123, and you can change between letter and number modes by pressing and holding [*].

When you are writing text, press **Options** and you may select, for example:

- *Dictionary on* to set the predictive text input on if it is available for the language.
- *Dictionary off* to revert to traditional text input.
- *Writing language* to temporarily change the language for writing text.

To set different language for writing text and for the texts shown on the display texts, see *Language settings* in the "Phone settings" section on page 44.

Using predictive text input

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

1. Start writing a word using the keys [2 abc] to [9 wxyz]. Press each key only once for an individual letter. The word changes after each keystroke.
2. When you have finished writing the word and it is correct, confirm it by adding a space with [0].

   If the word is not correct, press [*] repeatedly or select the option *Matches*. When the word that you want appears, confirm it.

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

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Writing compound words

Key in the first part of the word and confirm it by pressing 0. Write the last part of the word and confirm the word.

Using traditional text input

Press a number key, 2 abc to 9 wxyz, repeatedly until the desired character appears. Not all characters available under a number key are printed on the key. The characters available depend on the language selected in the *Phone language* menu, see "Phone settings" on page 44.

- If the next letter that you want is located on the same key as the present one, wait until the cursor appears, or press any of the scroll keys and then key in the letter.
- The most common punctuation marks and special characters are available under the number key 1 .

Tips for writing text

- To insert a space, press 0 .
- To insert a number while in letter mode, press and hold the desired number key.
- Move the cursor to the left, right, down or up with the scroll keys.
- To delete a character to the left of the cursor, press **Clear**. Press and hold **Clear** to delete the characters more quickly.

  To delete all the characters at once when writing a message, select the option *Clear text*.
- To insert a special character when using the traditional text input, press * .

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

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5. Using the menu

The phone offers you an extensive range of functions, which are grouped into menus. Most of the menu functions are provided with a brief help text. To view the help text, scroll to the menu function that you want and wait for 15 seconds. To exit the help text, press **Back**. See "Phone settings" on page 44.

- To access the menu by scrolling, press **Menu**.

Scroll with ⊖ or ⊕ through the menu list, or scroll with any of the scroll keys if the grid menu view is selected, as shown in the picture.

Select, for example, *Settings* by pressing **Select**.

To change the menu view, see *Menu view* in "Display settings" on page 41.

To access the menu by using a shortcut, press **Menu**. Key in quickly, within 2 seconds, the index number of the menu function that you want to access.

- If the menu contains submenus, select the one that you want.
- Press **Back** to return to the previous menu level, and **Exit** to exit the menu.

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List of menu functions

1. **Messages**
   1. Text messages
   2. Multimedia msgs.
   3. E-mail
   4. Chat
   5. Voice messages
   6. Info messages
   7. Message settings
   8. Service commands
2. **Call register**
   1. Missed calls
   2. Received calls
   3. Dialled numbers
   4. Delete recent call lists
   5. Call duration
   6. GPRS data counter
   7. GPRS connection timer
3. **Contacts**
   1. Search
   2. Add contact
   3. Delete
   4. My presence
   5. Subscribed names
   6. Copy
   7. Settings
   8. Speed dials
   9. Voice tags
   10. Info numbers[1]
   11. Service numbers[1]
   12. My numbers[2]
   13. Caller groups[2]
4. **Settings**
   1. Profiles
   2. Tone settings
   3. Display settings
   4. Time and date settings
   5. Personal shortcuts
   6. Connectivity
   7. Call settings
   8. Phone settings
   9. Chat and my presence settings
   10. Enhancement settings
   11. Security settings
   12. Restore factory settings
5. **Gallery**
   1. Images
   2. Video clips
   3. Graphics
   4. Tones
   5. Recordings
6. **Media**
   1. Camera
   2. Radio
   3. Voice recorder

1. Shown if supported by your SIM card. To check availability, contact your network operator or service provider.
2. If Info numbers, Service numbers or both are not supported, the number of this menu item changes accordingly.

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7. Organiser

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

8. Applications

1. Games
2. Collection
3. Extras
   1. Calculator
   2. Countdown timer
   3. Stopwatch

9. Services

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

10. SIM services[1]

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

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6. Menu functions

Messages (Menu 1)

Text messages (SMS)

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

You can also send and receive text messages that contain pictures. Each message with a picture comprises of several text messages. Therefore, this may affect the invoicing of the messages.

Before you can send any text or picture message, you need to save your message centre number, see "Message settings" on page 32.

The text messages function uses shared memory, see "Shared memory" on page ix.

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

Writing and sending messages

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

1. Press **Menu** and select *Messages*, *Text messages* and *Create message*.
2. Key in a message. See "Writing text" on page 14. You can select an option to insert a picture or text templates into the message.
3. To send the message, press **Send** or .
4. Enter the recipient's phone number or search for the phone number in *Contacts* and press **OK**.

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

Writing and sending e-mail via SMS

Before you can send an e-mail via SMS, you need to save the settings for sending e-mail, see "Message settings" on page 32. To check e-mail service availability and to subscribe to the service, contact your network operator or service provider.

1. Press **Menu** and select *Messages*, *Text messages* and *Create SMS e-mail*.
2. Key in the recipient's e-mail address or search for it in *Contacts*. Refer to "Saving multiple numbers or text items per name" on page 35.
3. If you wish, you can enter a subject for the e-mail.
4. Key in the e-mail message. See "Writing text" on page 14. The total number of characters that you can key in is shown on the top right of the display. You can also select an option to insert text templates into the message.
5. To send the e-mail, press **Send** or .

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

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

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

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

   Reading the message later: Press **Menu** and select *Messages*, *Text messages* and *Inbox*. An unread message is indicated by ✉ in front of it on the list of messages.

2. If more than one message has been received, scroll to the desired one and press **Select** to view it.

3. Press **Options** and you can select an option, for example, to delete, forward or edit the message as a text message or as an e-mail, or to move it to another folder. You can also copy text at the beginning of the message to the phone's calendar as a reminder note, or to view or use the message details.

4. Press **Reply** to reply to a message. When replying to an e-mail, confirm or edit the e-mail address and subject first. Then write your reply message.

   Press **Send** or [ ] and press **OK** to send the message to the displayed number.

Distribution lists

To send messages to a fixed group of people, you can define a distribution list for that purpose in the phone's memory. The phone sends the message separately to each recipient on the list. Therefore, sending a message using a distribution list may cost more than to send a message to one recipient.

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

Press **Menu** and select *Messages*, *Text messages* and *Distribution lists*.

- If you have not saved any lists, press **Add** to create one. Enter the name for the list. To add a name to the list, press **Add** and select a contact from the phone's or SIM card's contact memory.
- Otherwise, scroll to a list, and, for example, press **View** to view the contacts on the selected list.

After you have written a message, select the option *Sending options* and *Send to list* to send the message using a distribution list.

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Folders for text messages

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

- *Templates* includes text ( ) and picture ( ) templates that you can insert, for example, into the messages.
- *Inbox* includes received text and e-mail messages.
- *Sent items* includes messages that you have sent.
- *Archive* and *My folders*. To organise your messages, you can, while reading a message, select an option to move the message to another folder. You can also add new folders in *My folders*.

Message counter

To view how many messages you have sent and received, press **Menu** and select *Messages*, *Text messages*, *Message counter* and *Sent messages* or *Received messages*. To clear the counters, select *Clear counters*.

Multimedia messages

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

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

The multimedia message function uses shared memory, see "Shared memory" on page ix.

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

Multimedia messaging supports the following formats:

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

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

You are not able to receive any multimedia messages if you have a call in progress, a game or another Java application running, or an active browsing session over GSM data. Because delivery of multimedia messages can fail for a variety of reasons, do not rely solely upon them for essential communications.

Writing and sending a multimedia message

To check availability and to subscribe to the multimedia messaging service, contact your network operator or service provider. To set the settings for multimedia messaging, see "Settings for multimedia messages" on page 32.

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

1. Press **Menu** and select *Messages*, *Multimedia msgs.* and *Create message*.
2. Key in a message. See "Writing text" on page 14.

   The phone supports the sending and receiving of multimedia messages that contain several pages (slides). Each slide can contain text, one image and one sound clip. Select the option *Insert* to insert a picture, sound clip or video clip from the *Gallery*, or to insert a slide.

   If the message contains several slides, you can open the desired one by selecting the option *Previous slide*, *Next slide* or *Slide list*.

   To insert a name or phone number from *Contacts*, select the option *More options*.
3. To view the message before sending it, select the option *Preview*.
4. To send the message, **Send** or , or select the option *Send to e-mail* or *Send to many*.
5. Enter the recipient's phone number (or e-mail address) or search for it in *Contacts*. Press **OK** and the message is moved to the *Outbox* folder for sending.

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

The messages that you have sent will be saved in the *Sent items* folder if the setting *Save sent messages* is set to *Yes*. See "Settings for multimedia messages" on page 32. This is not an indication that the message has been received at the intended destination.

Reading and replying to a multimedia message

While your phone is receiving a multimedia message, the animated indicator is displayed.

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

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

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

   - To reply to the message, press **Reply**.
   - If the received message contains a presentation, press **Play** to view the whole message.

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

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

Multimedia messages memory full

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

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

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Folders for multimedia messages

Press **Menu** and select *Messages* and *Multimedia msgs.* The folder

- *Inbox* includes received multimedia messages.
- *Outbox* includes multimedia messages that have not yet been sent.
- *Sent items*, see "Writing and sending a multimedia message" on page 23.
- *Saved items* includes multimedia messages that you have saved to be sent later.

Deleting messages

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

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

E-mail messages

The e-mail application allows you to access your e-mail account via the phone, when you are not in the office or at home. The compatible e-mail system that you use in the office or at home may be supported by the e-mail function on your phone. You can write, send, and read e-mails with your phone. You can also save and delete the e-mails on a compatible PC. Your phone supports POP3 and IMAP4 e-mail servers.

The e-mail function uses shared memory, see "Shared memory" on page ix.

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

- Obtain a new e-mail account or use the current one. To check the availability of your e-mail account contact your e-mail service provider.
- To set the required e-mail settings on your phone, press **Menu** and select *Message settings* and *E-mail messages*. See "Settings for e-mail" on page 33.

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Writing and sending an e-mail

You can write your e-mail message before connecting to the e-mail service, or vice versa.

1. Press **Menu** and select *Messages*, *E-mail*, and *Create e-mail*.
2. Enter the recipient's e-mail address or press **Edit** and enter the e-mail address. If you want, you can enter a subject for the e-mail.
3. Key in the e-mail message, see "Writing text" on page 14. The number of characters that you can key in is shown on the display.
4. To send the e-mail message, press **Send**. Select *Send now* to send the e-mail immediately, or *Send later* to send your e-mail later and the e-mail is saved in the *Outbox* folder.

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

   Sending the e-mail later: Press **Menu** and select *Messages*, *E-mail*, *Other options*, and *Send now* or *Retrieve and send*.

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

Downloading e-mail messages from your e-mail account

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

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

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

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

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

Reading and replying to an e-mail message

1. Press **Menu** and select *Messages*, *E-mail* and *Inbox*.
2. While reading the message, you can, for example, select an option to view the details of the selected message, mark the message as unread, delete, reply, forward or move the message to another folder.
3. To reply to an e-mail, press **Reply**. You can, for example, include the original message in the reply. Confirm or edit the e-mail address and subject, then write your reply.
4. To send the message, press **Send** and select *Send now*.

Deleting e-mail messages

To delete e-mail messages, press **Menu** and select *Messages*, *E-mail*, *Other options* and *Delete messages*. For example, to delete all messages from all folders, select *All messages* and press **Yes**.

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

Chat

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

Chat is a way of sending short, simple text messages to online users (network service). Your contact list shows you when the contacts on the list are online and available to participate in a chat conversation.

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

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To set the required settings for the chat service, see "Chat and my presence settings" on page 45.

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

Chat uses shared memory, see "Shared memory" on page ix.

Entering the chat menu

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

- *Login* to connect to the chat service.
- *Saved convers.* to view, erase or rename the chat conversations that you have saved during a chat session.
- *Connect. settings* to edit the settings needed for chat messaging and Presence connection. See "Chat and my presence settings" on page 45.

Connecting to and disconnecting from the chat service

To connect to the chat service, enter the *Chat* menu, and select *Login* and select a service that you want to connect to. To disconnect from the chat service, select *Logout*.

Starting a chat conversation

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

- *Conversations* to view the list of new and read chats or invitations to chats during the currently active chat session. Scroll to a message or an invitation and press **Open** to read it.

  indicates the new and the read chat messages.

  indicates the new and read group messages.

  indicates the invitations.

  The indicators and texts on the display may vary depending on the chat service.
- *Chat contacts* includes the contacts that you have added from the phone's contacts memory. Scroll to the contact with whom you would like to chat and press **Chat**.

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

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indicates the online and the offline contacts in the phone's contacts memory. indicates a blocked contact, refer to "Blocking and unblocking messages" on page 31.

To add contacts to the list, see "Contacts for the chat" on page 30.

- *Groups* and *Public groups*. The list of bookmarks to public groups provided by the network operator or service provider is displayed. To start a chat conversation, scroll to a group and press **Join**. Enter the screen name that you want to use in the conversation. When you have successfully joined in the group conversation, you can start a group chat. To create a private group, see "Groups" on page 31.
- *Search* and select *Users* or *Groups* to search for other chat users by phone number, screen name, e-mail address or name, or public groups on the network by a member in the group or by group name, topic or ID.

  To start the chat session when you have found the user or the group that you want, select the option *Chat* or *Join group*.
- To start a chat session from Contacts, see "Viewing the subscribed names" on page 38.

Accepting or rejecting a chat invitation

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

- Press **Accept** to join the private group conversation. Enter the screen name that you want to use in the chat conversation.
- Press **Options** and you can select to reject or delete the invitation.

Reading a received chat message

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

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New messages received during an active chat session are held in the *Conversations* of the *Chat* menu. If you have received a chat message from a person whose contact information is not in your chat contact list in *Chat contacts*, the ID of the sender is shown. If the contact information is in the phone's memory for contacts and the phone recognises it, the name of the person is shown. To save a new contact to the phone's memory for contacts, select the option *Save contact*, or to add a new detail to the selected contact, select *Add to contact*.

Participating in a chat conversation

Join in or start a chat conversation by pressing **Write** or start writing.

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

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

Editing your own settings

Enter the *Chat* menu and connect to the chat service. Select *My settings* to view and edit your own availability information or screen name. Select *Availability* and *Available for all* or *Avail. for contacts* (or *Appear offline*) to allow all the other chat users or only the contacts on your chat contact list to see you as being online when you have connected to the chat service.

Contacts for the chat

You can add contacts from the phone's contacts memory to the chat contacts list.

Connect to the chat service, and select *Chat contacts*. If you have no contacts added, press **Add**. Otherwise, select the option *Add contact*. Select from the contacts in the phone's contact memory the name that you want to add to the list of chat contacts.

Scroll to a contact and press **Chat** to start a chat.

You can select, for example, an option to view the details of the selected contact, or to block (or unblock) the messages from the selected contact.

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Blocking and unblocking messages

Connect to the chat service and select *Conversations* or *Chat contacts* or join in or start a chat session. Select from the contacts list the contact from whom you want to block incoming messages. Select the option *Block contact* and press **OK** to confirm.

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

You can also unblock the messages from the contact list.

Groups

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

Connect to the chat service, select *Groups* and select

- *Public groups*. Press **Join** and if you are not in the group, enter your screen name. You can select an option to delete a group from your group list or to search a new group.
- *Create group*. Enter the name for the group and then your screen name to be used in this group. Add the online contacts ( ) from the phone's contacts list to the private group list.

  To send an invitation to the new members in the group, select the option *Send invitation*.

Voice messages

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

Press **Menu** and select *Messages* and *Voice messages*. Select *Listen to voice messages* to call your voice mailbox at the phone number that you have saved in the *Voice mailbox number* menu.

Info messages

With the *Info messages* network service you can receive messages on various topics from your service provider. To check availability, topics and the relevant topic numbers, contact your service provider.

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Message settings

Settings for text messages and e-mail messages via SMS

Press **Menu** and select *Messages*, *Message settings* and *Text messages*.

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

Settings for multimedia messages

You may receive the multimedia connection settings as an over the air message from the network operator or service provider. To receive the settings over the air, see "Over the air settings service" on page 10.

Keying in the settings manually

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

- *Save sent messages* to set the phone to save sent multimedia messages in the *Sent items* folder.
- *Delivery reports* to ask the network to send delivery reports about your messages (network service).
- *Default slide timing* to select the default value for timed slides.
- *Allow multimedia reception*. Select *Yes* to receive multimedia messages, or *In home network* to receive multimedia messages only in your home network. The default setting is *In home network*.
- *Incoming multi- media messages*. Select *Retrieve* to set the phone to automatically fetch newly received multimedia messages, or select *Reject* if you do not wish to receive multimedia messages. This setting is not shown if the *Allow multimedia reception* is set to *No*.
- *Connection settings* to define connection settings for retrieving multimedia messages. First select *Active multimedia settings* and activate the set in which you want to save the connection settings. Select *Edit active multimedia settings* and edit the active settings.

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

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

Settings for e-mail

For the settings required for the e-mail application, contact your network operator or e-mail service provider.

You may receive the e-mail settings as an over the air message from the network operator or service provider, see "Over the air settings service" on page 10.

Keying in the settings manually

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

- *Active e-mail settings* and activate the set in which you want to save the settings.
- *Edit active e-mail settings* and edit the active settings. Select each of the settings one by one and key in all the required settings.

Font size setting

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

Service commands

In this menu you can send service requests to your service provider (network service).

Call register (Menu 2)

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

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

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

- *Missed calls* to view the list of the last 20 phone numbers from which somebody has unsuccessfully tried to call you (network service).
- *Received calls* to view the list of the last 20 phone numbers from which you have most recently accepted calls (network service).

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- *Dialled numbers* to view the list of the 20 phone numbers that you have most recently called or attempted to call.
- *Delete recent call lists* to delete the recent calls lists.
- *Call duration* to view the approximate duration of the calls.

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.

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

Contacts (Menu 3)

You can save names and phone numbers (Contacts) in the phone's memory and in the SIM card's memory. The phone supports SIM cards that can save up to 250 names and phone numbers.

Contacts in the phone's memory use shared memory, see "Shared memory" on page ix.

In dynamic contacts (*My presence*), you can publish your current availability status to communicate to anyone who has access to this service and who is requesting this information.

Selecting settings for contacts

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

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

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Saving names and phone numbers (Add contact)

Press **Menu** and select *Contacts* and *Add contact*. Enter the name, and the phone number and press **Done**. Names and numbers are saved in the memory in use, see "Selecting settings for contacts" on page 34.

Saving multiple numbers or text items per name

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

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

1. Ensure that the memory in use is either *Phone* or *Phone and SIM*. See "Selecting settings for contacts" on page 34.
2. Press in standby mode, and scroll to the name to which you want to add a new number or text item.
3. Press **Details** and select the option *Add number* or *Add detail*.
4. To add a number or detail, select a number type or a text type.
   - If you select the text type *User ID*:

     Select *Search* to search for an ID by a mobile phone number or an e-mail address in the server of the operator or service provider if you have connected to the presence service. See "My presence" on page 36. If only one ID is found, it is automatically saved. Otherwise, to save the ID, and select the option *Save*.

     Select *Enter ID manually* and enter the ID.

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

   To set the selected number as the default number, select *Set as default*.
5. Enter the number or text item.

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Adding an image to a name or number in contacts

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

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

Searching for a contact

Press ⊖ in standby mode, or press **Menu** and select *Contacts* and *Search*.

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

Depending on the *Contacts view* selection in "Selecting settings for contacts" on page 34, the subscribed names are shown differently.

Deleting contacts

Press **Menu** and select *Contacts* and *Delete* to delete contacts and all the details attached to them. To delete contacts one by one or all at once, select *One by one* or *Delete all*.

Editing or deleting details in the contacts

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

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

My presence

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

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Before you can use presence, you need to subscribe to the service. To check the availability, charging and to subscribe to the service, contact your network operator or service provider, from whom you also receive your unique ID and password and the settings for the service. To set the required settings for the presence service, see "Chat and my presence settings" on page 45. While you have connected to the presence service, you can use the other functions of the phone, and the presence service is active in the background.

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

- *Connect to 'My presence' service* (or *Disconnect*) to connect to (or to disconnect from) the service.
- *My current presence* and select, for example, to view your current private or public status or to change your presence status, or select the groups with whom you want to share your presence status information.
- *Viewers* and select to view all the persons who have subscribed to, or who are allowed to view, or whom you have blocked from viewing your presence information.
- *Settings* and select to show the current status indicator in standby mode, and select if you want to update your *My presence message* and *My availability* automatically by linking them to the currently active profile. Refer also to "Profiles" on page 40. Note that you cannot link a personalised status logo to a Profile.

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

  Connect. settings, see "Chat and my presence settings" on page 45.

Subscribed names

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

When you are not connected to the presence service, you can view the subscribed names but not see their presence status information.

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Adding contacts to the subscribed names

Ensure that the memory in use is either *Phone* or *Phone and SIM*. See "Selecting settings for contacts" on page 34.

1. Press **Menu** and select *Contacts* and *Subscribed names*.
2. If you have no contacts on your list, press **Add**. Otherwise, select the option *Subscribe new*.
3. Select a contact from the list and if the contact has an user ID saved, the contact is added to the subscribed names list. If there is more than one ID, select one of them.

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

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

Viewing the subscribed names

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

The status information of the first contact on the subscribed names list is displayed. , or indicate that the person is either available, discreet or not available. indicates that the person's presence information is not available.

To start a chat conversation, select the option *Chat*.

Unsubscribing a contact

Search for a contact in the *Contacts* list, and press **Details**. Select the user ID, the option *Unsubscribe* and press **OK**.

Copying contacts

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

Sending and receiving a business card

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

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

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

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Voice dialling

You can make a phone call by saying a voice tag that has been added to a phone number. You can add up to ten voice tags. Voice tags use shared memory, see "Shared memory" on page ix.

Before using voice dialling, note that:

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

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

Adding and managing voice tags

Save or copy in the phone's memory the contacts to which you want to add a voice tag.

1. In standby mode, press , and scroll to the contact to which you want to add a voice tag.
2. Press **Details**, scroll to the phone number that you want and select the option *Add voice tag*.
3. Press **Start**, and say clearly the word(s) that you want to record as a voice tag. After recording, the phone plays the recorded tag.

   The symbol appears after the phone number with a voice tag.

Making a call by using a voice tag

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

In standby mode, press and hold the volume-down key, or press and hold the selection key . Say the voice tag clearly. The phone plays the recognised voice tag and then dials the phone number of the voice tag after 1.5 seconds.

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Other functions in the contacts

Press **Menu** and select *Contacts* and select

- *Speed dials* to assign a number to a speed-dialling key. Scroll to the speed-dialling key number, press **Assign**, or if a number has already been assigned to the key, select the option *Change*. Search for and select the name and then the number that you want to assign.

  See also *Speed dialling* in "Call settings" on page 43, and "Speed dialling a phone number" on page 12.
- *Voice tags* to listen to, delete or change the saved voice tags.
- *Info numbers* or *Service numbers* (network services) are numbers that your service provider may have included in your SIM card.
- *My numbers* to view the numbers assigned to your SIM card if this is allowed by the card.
- *Caller groups* to arrange the names and phone numbers saved in *Contacts* into caller groups. For each caller group, you can set, for example, the phone to sound a specific ringing tone when you receive a call from a phone number in the group. To set the phone to ring only upon calls from phone numbers belonging to a selected caller group, see *Alert for* in "Tone settings" on page 41.

Settings (Menu 4)

Profiles

Your phone has various setting groups, profiles, for which you can customise the phone tones for different events and environments. Initially, personalise the profiles to your own liking and then you only need to activate a profile to use it.

Press **Menu** and select *Settings* and *Profiles* and select a profile.

- To activate the selected profile, select *Activate*, or to set the profile to be active for a certain time up to 24 hours, select *Timed*.
- To personalise the profile, select *Personalise*. To change the settings, refer to "Tone settings" on page 41. To rename a profile, select *Profile name*. The *General* profile cannot be renamed.

  To change your presence status information, select *My presence* which is available if you have set *Synchronise with profiles* to *On*, refer to "My presence" on page 36.

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Tone settings

Press **Menu** and select *Settings* and then *Tone settings*. The settings you make will change the settings in the active profile. You can select, for example, how the phone notifies you of an incoming voice call, select the ringing tone for incoming calls and messages, set the ringing volume, and to set the phone to ring only upon calls from identified phone numbers that belong to a selected caller group.

Display settings

Press **Menu** and select *Settings* and *Display settings*. Select, for example, *Screen saver* to set the screen saver for the mini display.

Time and date settings

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

Personal shortcuts

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

- *Right selection key* and select a function for the right selection key from the list of available functions. Refer to "Standby mode" on page 6.
- *Voice commands* and select a command folder. Select the function to which you want to add a voice command and press **Add**. You can add up to ten voice commands. Refer to "Adding and managing voice tags" on page 39.

  To activate a voice command, refer to "Making a call by using a voice tag" on page 39.

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

Connectivity

Infrared

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

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

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When sending and receiving data via IR, ensure that the IR ports of the sending and receiving devices are pointing at each other and that there are no obstructions between the devices. The preferable distance between the two devices in an infrared connection is 1 metre at most.

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

(E)GPRS

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

(E)GPRS (Enhanced GPRS), also known as EDGE (Enhanced Data Rates for Global Evolution) is similar to GPRS. EDGE is a radio interface modulation technique which increases GPRS data rates. The applications that may use (E)GPRS are MMS, chat and SMS messaging (SMS, Short Message Service), browsing sessions, e-mail, remote SyncML, Java application downloading and PC dial-up (for example, Internet and e-mail).

Before you can use (E)GPRS technology:

- Contact your network operator or service provider to check availability and to subscribe to the (E)GPRS service, and also on information on data transfer speed and pricing.
- Save the (E)GPRS settings for each of the applications used over (E)GPRS.

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

(E)GPRS connection

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

- *Always online* to set the phone to automatically register to a (E)GPRS network when you switch the phone on. When you start an application using (E)GPRS, the (E)GPRS connection between the phone and network is established. When you end the application, the (E)GPRS connection is closed but the

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registration to the (E)GPRS network remains.

- *When needed* and the (E)GPRS registration and connection are established when an application using (E)GPRS requires it and closed when you end the application.

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

(E)GPRS modem settings

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

To define the settings for (E)GPRS connections from the PC, press **Menu** and select *Settings*, *Connectivity*, *GPRS* and *GPRS modem settings*. Select *Active access point* and activate the access point that you want to use and select *Edit active access point* to change the access point settings. Contact your network operator or service provider for the Access Point Name (APN).

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

Call settings

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

- *Call divert* (network service) to direct your incoming calls to another number, for example, to your voice mailbox number.
- *Automatic volume control* to select the phone to automatically set the volume of the phone's earpiece at a certain level that you have set with the volume keys.
- *Automatic redial* to set the phone to make a maximum of ten further attempts to connect the call after an unsuccessful call attempt.
- *Speed dialling* to set the phone to call the phone numbers assigned to the speed-dialling keys, from 2 abc to 9 wxyz by pressing and holding the corresponding number key.
- *Call waiting* to request the network to notify you of an incoming call while you have a call in progress (network service).

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- *Summary after call* to set the phone to briefly display the duration and cost (network service) of the call after each call.
- *Send my caller ID* to set the phone to show your phone number to the person you are calling (network service).
- *Line for outgoing calls* to select phone lines 1 or 2, for making calls (network service). If you select *Line 2* and have not subscribed to this network service, you will not be able to make calls. However, calls on both lines can be answered regardless of the selected line.
- *Call audio equaliser* to amplify higher or lower sound frequencies that may improve the sound quality in handset mode. Select one of the pre-set sound sets in the phone or create some of your own.

Phone settings

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

- *Language settings* and *Phone language* to set the language for the display texts. If *Automatic* is selected, the phone selects the language according to the information on the SIM card. If you want to use another language for writing text, select *Writing language*. To temporarily change the language for writing text, see *Writing language* in "Writing text" on page 14.
- *Memory status* to view the free memory, the total used memory and the used memory for each function in the list.
- *Security keyguard* and *On* to set the phone to ask for the security code when you unlock the keyguard. Refer also to "Keypad lock (Keyguard)" on page 10.

  Note: When Keyguard is on, calls may be possible to the emergency number programmed into your phone (e.g. 112, 911 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.
- *Cell info display* to set the phone to indicate when it is being used in a cellular network based on Micro Cellular Network (MCN) technology.
- *Welcome note* to key in and save the note that you would like to be shown briefly when the phone is switched on.

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

  If you select *Manual*, you can select a network that has a roaming agreement with your home network operator.
- *Confirm SIM service actions*. See "SIM services (Menu 10)" on page 63.
- *Help text activation* to set the phone to show the help texts. See also "Using the menu" on page 16.
- *Start-up tone* to set the phone to play a start-up tone when the phone is switched on.

Chat and my presence settings

Press **Menu** and select *Settings* and *Chat and my presence settings* to edit or activate the settings required for chat and presence. To check availability of the settings, contact your network operator or service provider.

To key in the settings, select *Active chat and presence settings* and activate the desired set. Select *Edit active chat and presence sett.* and select each of the settings one by one and key in all the required settings according to the information that you have received from your network operator or service provider. Note that the connection settings are in the *Connection settings* menu.

To receive the chat and presence settings over the air, see "Over the air settings service" on page 10.

Enhancement settings

The enhancement settings menu is shown only if the phone is or has been connected to a compatible mobile enhancement, for example, the handsfree unit.

Press **Menu** and select *Settings* and *Enhancement settings*. You can select an enhancement menu if the corresponding enhancement is or has been connected to the phone. Depending on the enhancement, you can select, for example, the profile that you want to be automatically activated when you connect to the selected enhancement.

Security settings

Note: When security features that restrict calls are in use (call barring, closed user group and fixed dialling), calls may be possible to certain emergency numbers in some networks (e.g. 112, 911 or other official emergency numbers).

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

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

  When fixed dialling is on, (E)GPRS connections are not possible except while sending text messages over a (E)GPRS connection. In this case, the recipient's phone number and the message centre number have to be included on the fixed dialling list.
- *Closed user group*. This network service specifies the group of people whom you can call and who can call you.
- *Security level*. Select *Phone* to set the phone to ask for the security code whenever a new SIM card is inserted into the phone.

  Select *Memory* and the phone will ask for the security code when the SIM card's memory is selected and you want to change the memory in use or copy from one memory to another.
- *Access codes* to change some access codes.

Restore factory settings

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

Gallery (Menu 5)

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

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

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Your phone supports a Digital Rights Management (DRM) system to protect acquired content. A piece of content, for example a ringing tone, can be protected and associated with certain usage rules, for example the number of usage times and a certain usage period. The rules are defined in the content's activation key which can be delivered either together with the content or independently depending on the service provider. You may be able to update these activation keys. Always check the delivery terms of any content and activation key before acquiring them, as they may be subject to a fee.

The gallery uses shared memory, see "Shared memory" on page ix.

1. Press **Menu** and select *Gallery*.
2. Open a folder to view the files in it or select an option, for example:
   - *Add folder*, *Delete folder*, *Move*, *Rename folder* or *Sort*. You cannot delete, rename or move the original folders on the phone.
   - *Activation key list* to view the list of all available activation key. You can delete the activation keys, for example delete the expired ones.
   - *Gallery downloads* to download more images and tones.

     To check the availability of different services, pricing and tariffs, contact your network operator and/or service provider. Download content only from sources you trust.
3. If you opened a folder, scroll to the desired file. To view the file, press **Open**, or, for example, to send the file via MMS, press [ ]. The phone can play video clips in 3GP format (H.263 baseline and MPEG-4 simple profile).

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

Media (Menu 6)

Note: Your phone must be switched on to use the functions in the *Media* 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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Camera

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

You can take photos or record video clips with the phone's built-in camera. The main display of the phone works as a viewfinder. The camera produces pictures in JPEG format and the video clips in H.263 (SubQCIF) format.

The camera uses shared memory, see "Shared memory" on page ix.

To take a photo

1. Press **Menu** and select *Media*, *Camera* and *Standard photo*, or *Portrait photo*, or if the lighting is dim for taking photos, select *Night mode*. If you want to add the photo to a name or phone number saved in contacts, select *Portrait photo*.
2. To take a photo, press **Capture**. The phone saves the photo in the *Images* folder of the *Gallery* menu.
3. Select **Back** to take another photo, or press **Delete** to delete the photo, or select, for example, an option to rename the saved photo, or send it via multimedia message or via an IR connection.

Recording a video clip

Note: Obey all local laws regarding video transmission. Do not use this feature illegally.

1. Press **Menu** and select *Media*, *Camera* and *Video*.
2. To start recording a video clip, press **Record**. To pause the recording, press **Pause** and to resume the recording, press **Continue**.
3. To stop the recording, press **Stop**. The phone saves the recording in the *Video clips* folder of the *Gallery* menu.

   Press **Play** to view the recording, or select, for example, an option to delete or rename the saved video clip, or send it as a multimedia message or via an IR connection.

Camera settings

Press **Menu** and select *Media*, *Camera* and *Settings*. Select an option, for example, to define the image quality, set the shutter sound off or to define the title that will be used when saving a photo.

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Radio

To listen to the radio on your phone connect the compatible headset to the phone. The lead of the headset functions as the radio antenna, so let it hang freely. The quality of the radio broadcast depends on the radio station's coverage in that particular area.

1. To turn on the radio, press **Menu** and select *Media* and *Radio*.
2. Scroll to a saved radio channel, or select a radio channel location 1 to 9 by pressing the corresponding number key.
3. To turn off the radio, select the option *Switch off*.

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

You can also close the fold of the phone while listening to the radio.

You can make a call or answer an incoming call normally while listening to the radio. The volume of the radio is muted. When you end the call, the radio volume will automatically be turned up again.

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

Tuning a radio channel

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

Using the loudspeaker

When the radio is on, select the option *Loudspeaker* to listen to the radio via the loudspeaker. Keep the headset connected to the phone. Do not hold the phone to your ear during loudspeaker operation as the volume may be extremely loud.

Voice recorder

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

Press **Menu** select *Media* and *Voice recorder*.

- To start the recording, select *Record*. To start the recording during a call, select the option *Record*. While recording a call, hold the phone in the normal position near to your ear. All parties to the call will hear a faint beeping sound approximately every 5 seconds.

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To end the recording, press **Stop**. The recording will be saved in the *Recordings* folder of the *Gallery* menu.

- Select *Recordings* to open the list of folders in the *Gallery*.

Organiser (Menu 7)

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

Alarm clock

The alarm clock works if you close the fold or even when the phone is switched off if there is enough power in the battery.

Press **Menu** and select *Organiser* and *Alarm clock*. Select *Alarm time*, to set the alarm time and *Alarm tone* to set the alarm tone.

If you select the radio as an alarm tone, connect the headset to the phone. The phone uses the most recently listened-to channel as an alarm tone via the loudspeaker. If the headset is removed, the default alarm tone will be used instead of the radio.

When the alarm time expires

The phone will sound an alert tone, and flash *Alarm!* and the current time on the display. Press **Stop** to stop the alarm. If you let the phone continue to sound the alarm for a minute or press **Snooze** or any other key except **Stop**, the alarm stops for about10 minutes and then resumes.

When the fold is closed, press either of the volume keys to switch the alarm clock to snooze.

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

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

Calendar

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

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

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- Press **View** to view the day notes. If there are no note for the day, press **Add note** to make a calendar note. If you have set the alarm for the note, the indicator is displayed when you view the notes.
  - Press **View** to view a single note.
  - Press **Options** and you can select, for example, the option *Settings* to set the date, time, or the first day of the week. In the *Auto-delete* option you can set the phone to delete old notes automatically after a specified time. However, the repeat notes, for example, birthday notes, will not be deleted.
- If you press **Options**, you can select, for example, *Week view* to view a week.

When the phone sounds an alarm for a note

Press **View**, and the phone displays the note. With a call note on the display, you can call the displayed number by pressing .

When the fold is closed, press either of the volume keys to mute the note alarm.

To-do list

You can save a note for a task that you have to do. The to-do list uses shared memory, see "Shared memory" on page ix.

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

Notes

You can use *Notes* for writing and sending notes to compatible devices via IR, text or multimedia messages. The notes use shared memory, see "Shared memory" on page ix.

To access *Notes*, press **Menu** and select *Organiser* and *Notes*. To add a note, press **Add note** if the list of notes is empty, or select the option *Make a note*. Key in the note and save it. You can select the option *Insert time & date* to add the current time and date to the note.

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Synchronisation

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

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

Synchronising from your phone

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

- Subscribe to a synchronisation service. For more information on availability and to subscribe to the synchronisation service, contact your network operator or service provider.
- Retrieve the synchronisation settings, see "Settings for the synchronisation" on page 52.
- Set the connection settings you need for the synchronisation. See "Setting up the phone for a service" on page 58.

To start the synchronisation from the phone:

1. Activate the connection settings you need for the synchronisation.
2. Press **Menu** and select *Organiser*, *Synchronisation*, *Settings* and *Active Internet sync. settings*. Activate the desired set and mark the data to be synchronised. See *Data to be synchronised* in "Settings for the synchronisation" on page 52.
3. Press **Menu** and select *Organiser*, *Synchronisation* and *Synchronise*. The marked data of the active set will be synchronised after confirmation.

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

Settings for the synchronisation

You may receive the synchronisation settings as an over the air message from the network operator or service provider. To receive the settings over the air, see "Over the air settings service" on page 10.

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Keying in the settings manually

1. Press **Menu** and select *Organiser*, *Synchronisation*, *Settings* and *Active Internet sync. settings*.
2. Activate the set where you want to save the synchronisation settings. A set is a collection of settings required to make a connection to a service.
3. Select *Edit active Internet sync. settings* and select each setting one by one and key in all the required settings.

   Select *PC sync. settings* to key in the settings for server alerted synchronisation.

   The user name and password have to be the same in your phone and in your PC.

Synchronising from a compatible PC

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

Wallet

In *Wallet* you can save personal information, for example, credit card information. The data that are saved in the wallet can easily be retrieved while browsing to automatically fill in data fields, for example, when making purchases. You can also save access codes to mobile services that request a user name and password.

The data in the wallet is protected with a wallet code that you can define when you access wallet for the first time. At *Create wallet code:* enter the code and at *Verify wallet code:* enter the code again. See also "Access codes" on page viii.

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

To add the content into the wallet menu, and to edit it, access the wallet menu. To use the content of the wallet in a mobile service, access the wallet via the browser, see "Services (Menu 9)" on page 57.

Accessing the wallet menu

To access the wallet menu, press **Menu** and select *Organiser* and *Wallet*. Enter your wallet code, see "Wallet settings" on page 54. Select

- *Wallet profiles* to create card combinations, for example, for different services.
- *Cards* to save personal card information. See "Saving card details" on page 54.

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- *Tickets* to save the notifications of e-tickets that you have bought. To view the tickets, select the option *View*.
- *Receipts* to save receipts of purchases.
- *Personal notes* to save personal information that you want to keep protected using the wallet PIN code. See "Personal notes" on page 54.
- *Settings*, see "Wallet settings" on page 54.

Saving card details

Access the wallet and select *Cards*. Select the card type to save details, for example *Payment card*. If no card is added, press **Add new**, otherwise, select the option *Add new*. Fill in the fields with the details.

To check availability of receiving card information over the air, contact the card issuer or service provider.

Personal notes

You can save personal notes, for example, account numbers, codes or notations. Access the wallet and select *Personal notes*. To create a new personal note, press **Add new**.

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

Creating a wallet profile

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

Access the wallet and select *Wallet profiles*. To create a new wallet profile if no profile is added, press **Add new**. Otherwise, select the option *Add new*. Fill in the fields. Some of the fields contain data that are selected from the wallet. You need to save those data before you can create a wallet profile.

Wallet settings

Access the wallet and select *Settings*. Select *Change code* to change the wallet code, or *RFID* to set the RFID code.

Applications (Menu 8)

Note: Your phone must be switched on to use the functions in the *Applications* 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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Games

The games use shared memory, see "Shared memory" on page ix.

Press **Menu** and select *Applications* and *Games*. Select

- *Select game* to select and open a game, scroll to the game or a game set (the name depends on the game) and press **Open** or press [ ]. For more options, see "Options available for an application or application set" on page 55.

  When you have opened a game, you can, for example, select the short instructions for the game.
- *Game downloads* to download a game to the phone.
- *Memory* to view the amount of memory that is available for game and application installations.
- *Settings* to set sounds, lights and shakes for the game.

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

Collection

The applications use shared memory, see "Shared memory" on page ix.

Press **Menu** and select *Applications* and *Collection*. Refer to "Games" on page 55.

Options available for an application or application set

- *Delete* to delete the application or application set from the phone.
- *Web access* to restrict the application from accessing the network.
- *Update version* to check if a new version of the application is available for download from the services (network service).
- *Web page* to provide further information or additional data for the application from an Internet page. This feature needs to be supported by the network. It is only shown if an Internet address has been provided with the application.
- *Connect via* for some applications that need specific service settings. Your phone is set to use as default the service settings for the browser.
- *Details* to give additional information about the application.

Downloading an application or a game

The phone supports J2ME™ Java applications. Ensure that the application or game is compatible with your phone before downloading it. You can download new Java applications in different ways:

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- Press **Menu** and select *Applications* and *Games* or *Collection*. Select *More bookmarks* to access the list of bookmarks in the *Services* menu, see "Bookmarks" on page 60. Select the appropriate bookmark to connect to the desired site.

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

- Press **Menu** and select *Services* and *Downloads*. Select to download an appropriate application or game. See "Downloading" on page 60.

- Use the game download functionality, see "Games" on page 55.

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.

Extras

Calculator

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

When '0' is displayed on the screen, key in the first number in the calculation, press [☼ #] for a decimal point. Select the option *Add*, *Subtract*, *Multiply*, *Divide*, *Square*, *Square root* or *Change sign*, or alternatively, press repeatedly [* +] to add, subtract, multiply or divide.

For a total, press **Equals**.

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

To start a new calculation, first press and hold **Clear**.

For the currency conversion, save the exchange rate by selecting the option *Exchange rate*. The exchange rate remains in the memory until you replace it with another one. To perform the currency conversion, key in the amount to be converted, select the option *In domestic* or *In foreign*.

Countdown timer

Press **Menu** and select *Applications*, *Extras* and *Countdown timer*. Enter the alarm time and write your own text note which is displayed when the time expires. Press **OK** to start the countdown timer.

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When the alarm time is reached, stop the alarm by pressing any key. If no key is pressed, the alarm will stop within 30 seconds. To stop the alarm and to delete the text note in standby mode, press **Exit**. Press **Restart** to restart the countdown timer.

Stopwatch

You can measure time and at the same time use the other functions of the phone. To set the stopwatch timing in the background, press [ ].

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.

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

- *Show last*, if the stopwatch is not reset, to view the most recent measured time.
- *Split timing*. You can select *Continue* if you have set the timing in the background.

  Press **Start** to start the time observation, **Split** to take an intermediate time, and **Stop** to stop the time observation. Press **Save** to save the time.
- *Lap timing* for lap time observation. Refer to *Split timing*.
- *View times* or *Delete times* to view or to delete the saved times.

Services (Menu 9)

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

You can access various services with your phone's browser. The services may include, for example, weather reports, news or flight times and financial information. Check the availability of these services, pricing and tariffs with your network operator and/or the service provider whose service you wish to use. Service providers will also give you instructions on how to use their services.

With your phone's browser you can view the services that use Wireless Mark-Up Language (WML) or extensible HyperText Mark-up Language (XHTML) on their pages. The appearance of the pages may vary due to the limited size of the phone's display. You may not be able to view all of the page details.

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Basic steps for accessing and using services

1. Save the service settings that are required to access the service that you want to use. See page 58.
2. Make a connection to the given service. See page 58.
3. Start browsing the pages of the service. See page 58.
4. Finish browsing and disconnect from the service. See page 59.

Setting up the phone for a service

You may receive the service settings as an over the air message from the network operator or service provider that offers the service that you want to use. You can also key in the settings manually or add and edit the settings with PC Suite. For more information and for the appropriate settings, contact the network operator or service provider.

To receive the service settings over the air, see "Over the air settings service" on page 10.

Keying in the service settings manually

1. Press **Menu** and select *Services*, *Settings* and *Connection settings*.
2. Select *Active service settings* and activate the desired connection set. A connection set is a collection of settings required to make a connection to a service.
3. Select *Edit active service settings*. Select each of the settings one by one and key in all the required settings according to the information that you have received from your network operator or service provider. All the bearer-related settings are in the *Bearer settings* menu.

Making a connection to a service

Firstly, activate the service settings of the service that you want to use. Press **Menu** and select *Services*, *Settings* and *Connection settings*. Select *Active service settings* and activate the desired connection set.

Secondly, make a connection to the service, for example, press **Menu** and select *Services* and *Home*.

Browsing the pages of a service

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

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

- Use any of the scroll keys to browse through the page.
- To select a highlighted item, press [ ], or press **Open** to open the link.
- To enter letters and numbers in the text editor, press the keys [ ] - [ ] and to enter special characters, press the key [ ].

Options while browsing

Press **Options** and the following options may be available. The service provider may also offer other options. You can select, for example:

- *Shortcuts* to open a new list of options that are specific to the page.
- *Home* to return to the homepage of the service provider.
- *Add bookmark* to save the page as a bookmark.
- *Other options* to show a list of other options, for example options for the wallet and some security options.
- *Reload* to reload and update the current page.
- *Quit*. See "Disconnect from a service" on page 59.

Note: The information or services you have accessed are stored in the cache of your phone. A cache is a buffer memory, which is used to store data temporarily. If you have tried to access or have accessed confidential information requiring passwords (for example, your bank account), empty the cache of your phone after each use. To empty the cache, see "The cache memory" on page 61.

Direct calling

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

Disconnect from a service

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

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Appearance settings of the browser

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

Bookmarks

The bookmarks saved in the phone's memory use shared memory, see "Shared memory" on page ix.

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

Note that your phone may have some pre-installed bookmarks for sites not affiliated to 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.

Receiving a bookmark

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

Downloading

To download more tones, images, games or applications to your phone while browsing, select the option *Download links*. Select to download tones, images, games or applications.

Note: Only install software from sources that offer adequate protection against viruses and other harmful software.

Service inbox

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

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

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Service inbox settings

Press **Menu** and select *Services*, *Settings* and *Service inbox settings*. Select *Service messages* and *On* (or *Off*) to set the phone to receive (or reject) service messages.

Select *Automatic connection*. If you have set the phone to receive service messages, you can set the phone to automatically activate the browser from standby mode when the phone has received a service message.

The cache memory

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

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

Cookies

A cookie is data that a site saves in your phone's browser cache memory. The data can be, for example, your user information or your browsing preferences. Cookies will be saved until you clear the cache memory, see "The cache memory" on page 61.

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

Browser security

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

Security module

The security module can contain certificates as well as private and public keys. The purpose of the security module is to improve security services for applications requiring a browser connection, and it allows you to use a digital signature. The certificates are saved in the security module by the service provider.

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

Select *Security module details*, and *Module PIN request* to set the phone to ask for the module PIN when using services provided by security module, *Change module PIN* to change the module PIN, if allowed by the security module, and *Change signing PIN*.

See also "Access codes" on page viii.

Certificates

There are three kinds of certificates: server certificates, authority certificates and user certificates. You may receive these certificates from your service provider. Authority certificates and user certificates may also be saved in the security module by the service provider.

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

Digital signature

You can make digital signatures with your phone. The signature can be traced back to you via the private key on the security module and the user certificate that was used to perform the signature. Using the digital signature can be the same as signing your name to a paper bill, contract or other document.

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

Check that the header text is *Read* and that the digital signature icon is shown. If the digital signature icon does not appear, there is a security breach, and you should not enter any personal data such as your signing PIN.

To sign the text, read all of the text first and then you can select **Sign**. The text may not fit within a single screen. Therefore, make sure to scroll through and read all of the text before signing. Select the user certificate that you want to use. Key in the signing PIN (see "Access codes" on page viii) and press **OK**. The digital signature icon will disappear, and the service may display a confirmation of your purchase.

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SIM services (Menu 10)

Your SIM card may provide additional services that you can access in this menu that is shown only if it is supported by your SIM card. The name and contents of the menu depend entirely on the service available.

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

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

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

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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 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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8. Genuine Enhancements

A new extensive range of enhancements is available for your phone. Select the enhancements which accommodate your specific communication needs.

Some of the enhancements are described in detail below.

For availability of the enhancements, please check with your local dealer. A few practical rules for enhancements operation:

- Keep the enhancements out of small children's reach.
- When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.
- Check regularly that all mobile phone equipment in a vehicle is mounted and operating properly.

Use only batteries, chargers and enhancements approved by the phone manufacturer. The use of any other types may invalidate any approval or warranty applying to the phone, and may be dangerous.

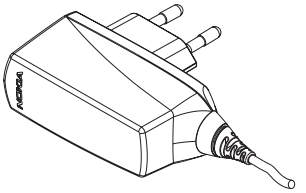
Power

Type	Tech	Talktime*	Standby*
BL-4C	Li-Ion	up to 2 - 5 hours	up to 150 - 300 hrs

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

Travel Charger (ACP-12)

Small, lightweight travel charger with multivoltage (100 - 240V) switcher technology. Provides easy and convenient way to charge the phone.



Note: The plug types vary according to different markets.

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Audio

Fashion Stereo Headset (HS-3)

This stereo headset has a beautiful and distinctive Nokia design. Gives you excellent audio quality and you can answer or end calls by pressing the remote control button. A comfortable hands-free solution that makes listening to the phone's FM radio, a pleasure.

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9. Care and Maintenance

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

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

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

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10. Important Safety Information

Traffic Safety

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

Remember road safety always comes first!

Operating environment

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

Use the phone only in its normal operating positions.

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

Electronic devices

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

Pacemakers

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

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

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Hearing aids

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

Other medical devices

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

Vehicles

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

Posted facilities

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

Potentially explosive atmospheres

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

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

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

Vehicles

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

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

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

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

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

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

Emergency calls

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

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

To make an emergency call:

1. If the phone is not on, switch it on. Check for adequate signal strength.

   Some networks may require that a valid SIM card is properly inserted in the phone.
2. Press [ ] as many times as needed (e.g. to exit a call, to exit a menu, etc.) to clear the display and ready the phone for calls.
3. Key in the emergency number for your present location (e.g. 112, 911 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.

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Certification information (SAR)

THIS MODEL PHONE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) recommended by international guidelines (ICNIRP). These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit stated in the international guidelines is 2.0 W/kg*. Tests for SAR are conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the phone.

The highest SAR value for this model phone when tested for use at the ear is 0.36 W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the relevant international guidelines for RF exposure.

This product meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 2.2 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 2.2 cm away from your body.

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

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