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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.
■ Network Services

The wireless phone described in this guide is approved for use on the EGSM 900, GSM 1800 and GSM 1900 network.

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

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

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

■ About accessories

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

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

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

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

■ Typographics used in this user's guide
The texts that appear on the phone display are printed in blue, for example Insert SIM card.
The display texts related to the selection keys ▼ are printed in bold blue, for example Menu.

■ Access codes
- Security code (5 to 10 digits): The security code protects your phone against unauthorised use, and is supplied with the phone. The preset code is 12345. Change the code, and keep the new code secret and in a safe place separate from your phone. To change the code, and to set the phone to request the code, see Security settings on page 88.
- PIN code and PIN2 code (4 to 8 digits): The PIN (Personal Identification Number) code protects your SIM card against unauthorised use. The PIN code is usually supplied with the SIM card.
  Set the phone to request the PIN code each time the phone is switched on, see Security settings on page 88.
The PIN2 code may be supplied with the SIM card and is required to access some functions, such as charging unit counters.
If you key in an incorrect PIN code several times, the phone may display *SIM blocked* and ask you to key in the PUK code. Contact your service provider to get the PUK code.

- **PUK and PUK2 codes (8 digits):** The PUK (Personal Unblocking Key) code is required to change a blocked PIN code. The PUK2 code is required to change a blocked PIN2 code.
  
  If the codes are not supplied with the SIM card, contact your local service provider for the codes.

- **Barring password (4 digits):** The barring password is needed when using the *Call barring service*, see *Security settings* on page 88. You can obtain the password from your service provider.
Overview of the functions in the phone

The Nokia 3120 phone provides many functions which are practical for daily use, such as Calendar, Clock, Alarm clock, Profiles, and many more. Also a range of Xpress-on™ covers are available for your phone. To change the cover, see Changing the front and back cover on page 30.

- Multimedia messaging service (MMS)
  The phone is able to send multimedia messages made up of text and a picture, and to receive messages containing text, pictures and sounds. You can save the pictures and sounds for personalising your phone. See Multimedia messages on page 56.

- Polyphonic sound (MIDI)
  Polyphonic sound consists of several sound components played at the same time like a real melody through a speaker. Polyphonic sounds are used in ringing tones and message alert tones. Your phone has sound components from over 40 instruments that can be used for polyphonic sounds but the phone can play four instruments simultaneously. The phone supports the Scalable Polyphonic MIDI (SP-MIDI) format.
  You can receive polyphonic ringing tones via multimedia service, see Reading and replying to a multimedia message on page 58, or download them via the gallery.
General Packet Radio Service (GPRS)

GPRS technology 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. The applications that may use GPRS are MMS and SMS messaging (SMS, Short Message Service), browsing sessions and Java application downloading. Note that your phone supports two simultaneous GPRS connections. For example, you can receive multimedia messages and, at the same time, have an ongoing browsing session.

Before you can use GPRS technology

- Contact your network operator or service provider for availability and subscription to the GPRS service.
- Save the GPRS settings for each of the applications used over GPRS.
  
  See Setting up the phone for a service on page 106 and Message settings on page 62.

Pricing for GPRS and applications

Both the active GPRS connection and the applications used over GPRS are priced. For more detailed information on pricing, contact your network operator or service provider.
■ MIDP Java™ applications
Your phone supports Java technology and includes some MIDP Java™ games that have been specially designed for mobile phones. You can download applications and new games to your phone, see Applications (Menu 10) on page 97.

■ Nokia OTA settings service
Several services need proper settings in your phone. You may receive the settings directly as an OTA (Over The Air) message and you only need to save the settings. For more information and availability of the settings, contact your nearest authorised Nokia dealer.

■ Shared memory
The following features in this phone share memory: phone’s contacts directory, text and multimedia messages, images and ringing tones in gallery, calendar, bookmarks, Java games and applications. Using any such features may reduce the memory available for any features sharing memory. This is especially true with heavy use of any of the features. 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 applications or entries stored in the shared memory features before continuing.

Contents
1. Your phone

■ Keys and connectors

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

2. **Selection keys**
   The function of the keys depends on the guiding text shown on the display above the keys, for example, **Menu** and **Contacts** in standby mode.

3. **4-way scroll key with ▼, ◀, ◀, ▶**
   Enables scrolling through names, phone numbers, menus or settings and in the calendar. In standby mode, pressing ▼ opens the **Create message** menu, pressing ◀ opens the **Calendar** menu. During a call pressing ▶ adjusts the volume. In standby mode and during a call pressing ◀ or ▼ opens the contacts list.

4. **D** dials a phone number, and answers a call. In standby mode it shows the most recently called number.
5.  Ends an active call. Exits from any function.
6.  0 – 9 Key in numbers and characters.
   * and # are used for various purposes in different functions.
   In standby mode, pressing and holding 1 calls your voice mailbox.
   In standby mode, pressing and holding the Internet key 0 opens the
   homepage of the active service, see Making a connection to a service on page
   109.
7.  Charger connector
8.  Pop-Port™ connector for headset and data cable, for example

Standby mode

When the phone is ready for use, and you have not keyed in any characters, the
phone is in standby mode.
1.  Indicates the operator logo.
2.  Shows the signal strength of the cellular network at
   your current location. The higher the bar, the stronger
   the signal.
3.  Shows the battery charge level. The higher the bar, the
   more power in the battery.
4.  The left selection key in standby mode is Menu.
5.  The right selection key in standby mode is Contacts or Go to (personal
    shortcut). If you press the right selection key when it is
- **Contacts**, you can access the **Contacts** menu.
- **Go to**, you can scroll to the specific function (personal shortcut) and select it. To set the functions for your personal shortcut, see **Personal shortcuts** on page 76. Same functions can also be activated if you select the menu **Go to**, see **Go to (Menu 13)** on page 117.

See also **Essential indicators** on page 22.

**Wallpaper**

You can set your phone to display a background picture, wallpaper, when the phone is in standby mode. See **Wallpaper** on page 84.

**Screen saver**

You can set your phone to display a screen saver, when the phone is in standby mode. See **Screen saver** on page 77.

**Power saving**

For power saving a digital clock view overwrites the display when no function of the phone has been used for a certain period of time. Press any key to deactivate the screen saver.

If you have not set the time, 00:00 is displayed. To set the time, see **Clock** on page 78.

In addition you can set a screen saver from **Gallery**. See also **Screen saver** on page 77.
Essential indicators

You have received one or several text or picture messages. See Reading and replying to a message or a SMS e-mail on page 52.

You have received one or several multimedia messages. See Reading and replying to a multimedia message on page 58.

You have received one or several voice messages. See Voice messages on page 61.

The phone's keypad is locked. See Keypad lock (Keyguard) on page 28.

The phone does not ring at an incoming call or text message when Incoming call alert is set to Off and Message alert tone is set to Off. See Tone settings on page 86.

The alarm clock is set to On. See Alarm clock (Menu 6) on page 90.

The phone has registered a missed call. See Call register (Menu 2) on page 65.

The countdown timer is running. See Countdown timer on page 102.

The stopwatch timer is running in the background. See Stopwatch on page 103.

A GPRS dial-up connection is established. The indicator is shown on the top left of the display.
There is an incoming or outgoing call or a text message during a GPRS dial-up connection. The GPRS connection is suspended.

All your calls are diverted to another number, *Divert all voice calls*. If you have two phone lines, the divert indicator for the first line is 1 and for the second line 2. See *Call divert* on page 79.

1 or 2 Indicates the selected phone line, if you have two phone lines. See *Line for outgoing calls* on page 81.

The loudspeaker has been activated, see *Loudspeaker* on page 35.

Calls are limited to a closed user group. See *Security settings* on page 88.

The timed profile is selected. See *Profiles (Menu 4)* on page 75.

Headset, handsfree or loopset enhancement is connected to the phone.

To set the phone to show the time and date in standby mode, see *Clock* on page 78 and *Date* on page 78.
2. Getting started

- Installing the SIM card and the battery
  Keep all miniature SIM cards out of the reach of small children.
  - The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.
  - Before installing the SIM card, always make sure that the phone is switched off and disconnected from any enhancement.
  1. To remove the back cover from the phone:
     - With the back of the phone facing you, push the back cover release button (1) and slide the back cover off (2).
     - Remove the battery by lifting it with the finger grip (3).
2. To release the SIM card holder, gently pull the locking clip of the card holder (4) and open it (5).

3. Insert the SIM card into the SIM card holder (6). Make sure that the SIM card is properly inserted and that the golden contact area on the card is positioned as shown.

4. Close the SIM card holder (7) and press it until it snaps into position.
5. Insert the battery (8).
6. Slide the back cover into its place (9).

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

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

   You can use the phone while the charger is connected.

   The charging time depends on the charger and the battery used. For example, charging a BL-5C battery with the ACP-7 charger takes up to 3 hours 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.

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 asks for a PIN code, key in the PIN code (displayed as ****), and press OK.
  See also PIN code request in Security settings on page 88 and Access codes on page 14.

- If the phone asks for a security code, key in the security code (displayed as *****), and press OK.
  See also Access codes on page 14.
Normal operating position

Use the phone only in its normal operating position.

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.

Keypad lock (Keyguard)

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

- Locking the keypad
  In standby mode, press Menu and then  within 1.5 seconds.

- Unlocking the keypad
  Press Unlock and then  within 1.5 seconds.

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

For automatic keypad lock, see Automatic keyguard on page 82.

For locking the keypad during a call, see Options during a call on page 34.
Note: When the keypad is locked, 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 *1. The number is displayed only after you have keyed in its last digit.
Changing the front and back cover

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

1. Remove the back cover of the phone.

   With the back of the phone facing you, push the back cover release button (1) and slide the back cover off (2).

2. To remove the front cover, gently prise the back part of the phone away from the front cover beginning at the bottom of the phone.

3. Insert the key mat on the new front cover.
4. To attach the front cover, first place the phone and the front cover properly together and then gently push on the top of the phone until the catch is locked properly.

5. Place the back cover and the phone properly together (1) and slide the back cover into its place (2) until the back cover release button is properly locked.
3. Basic functions

■ Making a call

1. Key in the phone number, including the area code. If you key in a wrong character, press Clear to delete it.
   For international calls, press * + twice for the international prefix (the + character replaces the international access code) and then key in the country code, area code without the leading 0, if necessary, and the phone number.
2. Press Call to call the number.
3. Press End to end the call or to cancel the call attempt.

See also Options during a call on page 34.

Making a call using the contacts directory

• In standby mode, press Up or Down to find the name or key in the first character(s) of the name you are looking for. See also Searching for a contact on page 70 and Saving names and phone numbers (Add contact) on page 68.

Press Call to call the number on the display.

Last number redialling

• In standby mode, press Call once to access the list of up to 20 numbers you last called or attempted to call. Scroll to the number or name you want, and press Call to call the number.
Calling your voice mailbox
- In standby mode, press and hold 1, or press 1 and any other digit.
  If the phone asks for the voice mailbox number, key it in and press OK. See also Voice messages on page 61.

Speed dialling a phone number
Assign a phone number to one of the speed dialling keys, from 2 to 9, see Speed dials on page 73. Call the number in either of the following ways:
- Press the speed dialling key you want and then press .
- If Speed dialling is set to on, press and hold a speed dialling key until the call is started. See Speed dialling on page 80.

Making a conference call
Conference calling is a network service that allows up to six persons to take part in a conference call.
1. Make a call to the first participant.
2. To make a call to a new participant, press Options and select New call.
3. Key in, or retrieve from the contacts list, the phone number of the new participant and press Call. The first call is put on hold.
4. When the new call has been answered, join the first participant in the conference call. Press Options and select Conference.
5. To add a new participant to the call, repeat steps 2 to 4.

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6. To have a private conversation with one of the participants:
   Press Options and select Private and select the desired participant. Rejoin the
   conference call as described in step 4.
7. To end the conference call, press  

---

■ Answering or rejecting an incoming call

Press ✆ to answer the incoming call and press  to end the call.
Press  to reject the incoming call.
Press Silence, if available, to mute the ringing tone. Then either answer or reject
the call.

Tip: If the Divert if busy function is activated to divert the calls, for
example to your voice mailbox, rejecting an incoming call will also divert
the call. See Call divert on page 79.

Call waiting

During a call, press ✆ to answer the waiting call. The first call is put on hold. Press
  to end the active call. To activate the Call waiting function, see Call waiting on
page 80.

■ Options during a call

Many of the options that you can use during a call, are network services.
Press Options during a call for some of the following options:
Mute or Unmute, End call, End all calls, Contacts, Menu and Hold or Unhold, New call, Conference, Private, Answer, Reject and Loudspeaker or Handset.

Lock keypad to activate the keypad lock.

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

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

Loudspeaker
You can use the integrated loudspeaker during a call to have the handsfree function of your phone.

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

To activate the loudspeaker, press Options and select Loudspeaker, or press selection key Loudsp., if available.

To deactivate the loudspeaker during a call, press Options and select Handset, or press selection key Handset, if available.

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

You can key in text, for example when writing messages, using the 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 , , or next to the text input indicator. You can change the character case by pressing . The number mode is indicated by , and you can change between the letter and number mode by pressing and holding .

■ Setting predictive text input on or off

When writing text, press Options and select Dictionary.

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

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

■ Using predictive text input

You can key in any letter with a single keypress. The predictive text input is based on a built-in dictionary to which you can also add new words.
1. Start writing a word by using the keys 2 abc to 9 wxyz. Press each key only once for one letter. The word changes after each keystroke.

   Example: To write Nokia when the English dictionary is selected, press 6 mno once for N, 6 mno once for o, 5 jkl once for k, 4 ghi once for i and 2 abc once for a:

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

   More instructions for writing text, see Tips for writing text on page 38.

2. When you have finished writing the word and it is correct, confirm it by adding a space with 0 or by pressing any of the scroll keys. Pressing a scroll key also moves the cursor.

   If the word is not correct, press # repeatedly or press Options and select Matches. When the word you want appears, confirm it.

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

3. Start writing the next word.
Writing compound words

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

- Using traditional text input

Press a number key, 1 to 9, 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 language on page 82.

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

- If the next letter you want is located on the same key as the present one, wait until the cursor appears, or 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 0.

More instructions for writing text, see Tips for writing text on page 38.

- Tips for writing text

The following functions may also be available for writing text:

- To insert a space, press 0.

- To move the cursor to the left, right, down or up, press the scroll keys {, }, ← or →, respectively.
• 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, press Options and select Clear text.

• To insert a word when using the predictive text input, press Options and select Insert word. Write the word using the traditional text input and press Save. The word is also added to the dictionary.

• To insert a special character, press Options and select Insert symbol or when using the traditional text input, press *, or when using the predictive text input, press and hold *.
Press any of the scroll keys to scroll to a character and press Use to select the character.
You can also scroll to a character by pressing 2 abc, 4 ghi, 6 mno or 8 tuv, and select the character by pressing 5 jkl.

• To insert a smiley, press Options and select Insert symbol or when using the traditional text input, press * twice or when using the predictive text input, press and hold * to get the table with special characters, then press * again.
Press any of the scroll keys to scroll to a smiley and press Use to insert the selected smiley.
You can also scroll to a smiley by pressing 2 abc, 4 ghi, 6 mno or 8 tuv, and select the smiley by pressing 5 jkl.
• To insert a number while in letter mode, press Options and select Insert number. Key in the phone number or search it in contacts and press OK.

• To insert a name from contacts, press Options and select Insert contact. To insert a phone number or a text item attached to the name, press Options and select View details. Select the desired detail and press Select.
5. Using the menu

The phone offers you an extensive range of functions which are grouped in menus. Most of the menu functions are provided with a brief help text. To view the help text, scroll to the menu function you want and wait for approximately 15 seconds. To exit the help text, press Back. See Help text activation on page 84.

■ Accessing a menu function

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

By using a shortcut
The menus, submenus and setting options are numbered and you can access some of them by using their shortcut number.
To access the menu, press Menu. Key in quickly, within two seconds, the index number of the menu function you want to access. Note that to access the menu functions in menu 1, press Menu and key in 0 and 1 and then key in the rest of the desired shortcut number.

Press Back to return to the previous menu level, and Exit to exit the menu.
List of menu functions

1. Messages
   1. Text messages
      1. Create message
      2. Inbox
      3. Create SMS e-mail
      4. Sent items
      5. Archive
      6. Templates
      7. My folders
      8. Distribution lists
      9. Delete messages
      10. Message counter
   2. Multimedia msgs.
      1. Create message
      2. Inbox
      3. Outbox
      4. Sent items
      5. Saved items
      6. Delete messages
   3. Voice messages
      1. Listen to voice messages
      2. Voice mailbox number
   4. Info messages
      1. Info service
   5. Message settings
      1. Text messages
      2. Multimedia msgs.
      3. Other settings
   6. Service commands

2. Call register
   1. Missed calls
   2. Received calls
   3. Dialled numbers
   4. Delete recent call lists
      1. All
      2. Missed
      3. Received
      4. Dialled
   5. Call duration
      1. Last call duration
      2. Received calls' duration
      3. Dialled calls' duration

1. This menu is shown only if any info messages are received.
4. All calls' duration
5. Clear timers
6. Call costs
   1. Last call units
   2. All calls' units
   3. Call cost settings
7. GPRS data counter
   1. Data sent in last session
   2. Data received in last session
   3. All sent data
   4. All received data
   5. Clear counters
8. GPRS connection timer
   1. Duration of last session
   2. Duration of all sessions
   3. Clear timers

3. Contacts
   1. Search
   2. Add contact
   3. Delete
   4. Copy
   5. Settings

1. Memory in use
2. Contacts view
3. Memory status
6. Speed dials
7. Info numbers
8. Service numbers
9. My numbers
10. Caller groups

4. Profiles
   1. General
      1. Activate
      2. Personalise
      3. Timed
      2. Silent
         (same submenus as in General)
   3. Discreet
      (same submenus as in General)
   4. Loud
      (same submenus as in General)
   5. My Style
      (same submenus as in General)

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1. Only shown if supported by your SIM card. For 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.
6. My Style 2
(same submenus as in General)

5. Settings
1. Personal shortcuts
   1. Right selection key
   2. Select Go to options
   3. Organise Go to options
2. Screen saver
   1. On
   2. Off
   3. Select s. saver
   4. Timeout
3. Time and date settings
   1. Clock
   2. Date
   3. Auto-update of date & time
4. Call settings
   1. Call divert
   2. Anykey answer
   3. Automatic redial
   4. Speed dialling
   5. Call waiting
   6. Summary after call
   7. Send my caller identity
5. Phone settings
   1. Phone language
   2. Automatic keyguard
   3. Cell info display
   4. Welcome note
   5. Network selection
   6. Confirm SIM service actions
   7. Help text activation
   8. Start-up tone
6. Display settings
   1. Wallpaper
   2. Colour schemes
   3. Operator logo
   4. Display brightness
7. Tone settings
   1. Incoming call alert
   2. Ringing tone
   3. Ringing volume
   4. Vibrating alert
   5. Message alert tone
   6. Keypad tones
   7. Warning tones
   8. Rhythmic backlight alert
   9. Alert for
8. Line for outgoing calls

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

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8. Enhancement settings
   1. Headset
   2. Handsfree
   3. Loopset
   4. Gaming cover
9. Security settings
   1. PIN code request
   2. Call barring service
   3. Fixed dialling
   4. Closed user group
   5. Security level
   6. Access codes
10. Restore factory settings
6. Alarm clock
   1. Alarm time
   2. Alarm tone
7. Gallery
   1. View folders
      1. Images
      2. Tones
   2. Add folder
   3. Delete folder
   4. Rename folder
5. Gallery downloads
8. Calendar
   1. Day notes
   2. Make a note
   3. Go to date
   4. Settings
9. Games
   1. Select game
   2. Game downloads
   3. Memory
   4. Settings
      1. Game sounds
      2. Game lights
      3. Shakes
10. Applications
    1. Select application
    2. App. downloads
    3. Memory
11. Extras
    1. Calculator
    2. Countdown timer

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

5. Settings
   1. Connection settings
   2. Appearance settings
   3. Security settings
   4. Service inbox settings

12. Services
   1. Home
   2. Bookmarks
   3. Download links
      1. Tone downloads
      2. Image downloads
      3. Game downloads
      4. App. downloads
   4. Service inbox
   6. Go to address
   7. Clear the cache
   13. Go to
   14. SIM services

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1. Only shown if supported by your SIM card. The name and contents vary depending on the SIM card.
Messages (Menu 1)
You can read, write, send and save text, multimedia, and e-mail messages. All the messages are organised in folders.

Before you can send any text, picture, and e-mail messages, you need to save your message centre number, see Message settings on page 62.

Text messages
Using SMS (Short Message Service), your phone can send and receive multi-part messages, which consist of several ordinary text messages (network service). Invoicing may be based on the number of parts needed for your message. If you use special (Unicode) characters, more parts may be needed for the message than otherwise. Note that predictive text input may use Unicode characters.

You can also send and receive text messages that contain pictures.

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

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

   Tip: To quickly open the Create message menu, press \ in standby mode.
2. Key in a message. See Writing text on page 36. The number of available characters / the current part number of a multi-part message are shown on the top right of the display, for example 120/2.

- To insert a text templates, press Options and select Use template. Select the template you want to insert.
- To insert a picture, press Options. Select Insert picture and select a picture to view it. Press Insert to insert the picture into your message. The indicator in the header of the message indicates that a picture has been attached. The number of characters that you can key in a message, depends on the size of the picture. Each picture message is made up of several text messages. Therefore, sending one picture message may cost more than sending one text message.

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

- To insert a smiley, press Options and select Insert smiley. Select the smiley you want to insert.
- To insert a name, press Options and select Insert contact. Search for a name in Contacts and select the name you want to insert.
- To insert a number, press Options and select Insert number. Key in the number or search for a phone number in Contacts.

3. To send the message, press Options and select Send.

4. Key in the recipient’s phone number or search for the phone number in contacts.
Press OK to send the message.

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

**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.

### Options for sending a message

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

- To send a message to several recipients, select **Send to many**. When you have sent the message to everyone you want to send it to, press Done.
- To send a message to a predefined distribution list, select **Send to list**. While sending the message to the recipients, the phone displays the progress with the number of messages left to send.

  To define and edit distribution lists, see **Distribution lists** on page 54.

- To send a message using a message profile, first select **Sending profile** and then the desired message profile.

  To define a message profile, see **Message settings** on page 62.

### Writing and sending a SMS e-mail

Before you can send any e-mails via SMS you need to save the settings for e-mail sending, see **Message settings** on page 62. For availability and subscription to the e-mail service, contact your network operator or service provider. To save an e-
mail address in the contacts list, see Saving multiple numbers and text items per contact on page 69.

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 the contacts list and press OK. To key in the character @, press * + and select the character from the list.

3. You can key in the subject for the e-mail if you want and press OK.

4. Key in the e-mail message. See Writing text on page 36. The number of characters you can key in, is shown at the top right of the display. E-mail address and subject are included in the total number of characters.
   - To insert a text templates, press Options and select Use template. Select the template you want to insert.
   - To insert a smiley, press Options and select Insert smiley. Select the smiley you want to insert.
   - To insert a name, press Options and select Insert contact. Search for a name in Contacts, and select the name you want to insert.
   - To insert a number, press Options and select Insert number. Key in the number or search for a phone number in Contacts.

Inserting a picture is not possible.

5. To send the e-mail, press Options and select Send e-mail. If you have not saved the settings for e-mail sending, the phone asks for the e-mail server number. Press OK to send the e-mail.
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 a message or a SMS e-mail
When you have received a message or an e-mail, the indicator and the number of new messages followed by *messages received* is shown.

Received messages are automatically stored in shared memory, see Shared memory on page 18.

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

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

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

2. If more than one message is received, select the message you want to read. An unread text message is indicated by in front of it.

3. While reading or viewing the message, press Options.

   You can select, for example, an option to delete, forward or edit the message as a text message or an e-mail, move and rename the message you are reading. Select Copy to calendar to copy text from the beginning of the message to your phone’s calendar as a reminder note.
Select **Message details** to view the sender’s name and phone number, the message centre used, reception date and time.

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

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

4. Select **Reply** to reply to a message. Select **Original text** to include the original message in the reply, or select a standard answer to be included in the reply, or select **Empty screen**.

When replying to an e-mail, first confirm or edit e-mail address and subject. Write your reply message.

5. Press **Options**, select **Send**, and press **OK** to send the message to the displayed number.

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

The text messages you want to send later, can be saved in the **Archive**, **My folders** or **Templates** folder.

**Templates**
Your phone offers you text templates, indicated with [ ], and picture templates, indicated with [ ].
To access the template list, press **Menu**, and select **Messages, Text messages** and **Templates**.

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

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

To add or delete a folder, press **Menu**, and select **Messages, Text messages** and **My folders**.
- To add a folder, press **Options** and select **Add folder**.
- To delete a folder, scroll to the folder you want to delete, press **Options** and select **Delete folder**.

**Distribution lists**
If you need to send messages more often to a fixed group of recipients, you can define a distribution list containing those recipients and use this list, when sending a message. You can define up to 7 distribution lists containing up to 20 recipients.

**Note:** In creating a distribution list, contacts entries that are stored in your phone's contacts directory are used. Contacts entries that are stored on your SIM can be copied to your phone memory, see Copying contacts on page 72.

To view and edit distribution lists, press **Menu**, and select **Messages, Text messages** and **Distribution lists**.
Press Options to get the following options to edit a distribution list:

- **View list** to view the names in the selected distribution list.

Press Options to edit the content of a distribution list:

- **Add contact** to add a name to the distribution list.
- **View details** to view the details of the selected name.
- **Delete contact** to delete the selected name in the distribution list.

- **Add list** to add a new distribution list.
- **Rename list** to rename the selected distribution list.
- **Clear list** to delete all names in the selected distribution list.
- **Delete list** to delete the selected distribution list.

If a message failed to send to one or more recipients, the message is stored in **Undelivered**, which you can find in the list of **Distribution lists**. Undelivered is shown only if there is any failed message. Select **Undelivered** and press Options to get the following options to handle the undelivered message:

- **Resend to list** to resend the message to the failed recipients.
- **View list** to view the list of failed recipients.
- **Delete list** to delete the list of failed recipients.
- **View message** to view the undelivered message.

**Message counter**

With the message counter you have an overview about the sent and received text messages.
To view a counter, 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 multimedia message features can receive and display multimedia messages.

A multimedia message can contain text, picture and sound. The phone supports multimedia messages of size up to 45 kB. If that maximum size is exceeded, the phone may not be able to receive or send the message. Depending on the network, you may receive a text message including an Internet address where you can view the multimedia message.

If the message contains a picture, the phone scales them down to fit the display area.

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

Multimedia messaging supports the following formats:

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

If the received message contains any unsupported elements, they may be replaced with the file name and the text Object format not supported.
Note that 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 service connection over GSM data (see Keying in the service settings manually on page 106). Because delivery of multimedia messages can fail for a variety of reasons, do not rely solely upon them for essential communications.

Writing and sending a multimedia message

To set the settings needed for multimedia messaging, see Settings for the multimedia messages on page 63. For availability and subscription to the multimedia messaging service, contact your network operator or service provider.

1. Press Menu, and select Messages, Multimedia msgs. and Create message.
2. Key in a message. See Writing text on page 36.
   - To insert a picture or a sound clip, press Options, and select Insert image or Insert sound clip, respectively. The list of available folders in the Gallery is shown. Open a specific folder, scroll to the desired picture or sound, press Options and select Insert. The [ ] or [ ] indicator in the header of the message indicates that a picture or sound has been attached.
     Copyright protections may prevent some images, ringing tones and other content from being copied, modified, transferred or forwarded.
   - To insert a name from contacts, press Options and select More options and Insert contact. Scroll to the desired name, press Options and select Insert contact.
   - To insert a number, press Options and select More options and Insert number. Key in the number or search it in contacts, and press OK.
3. To view the message before sending it, press Options and select Preview.
4. To send the message, press Options and select Send to number (or Send to e-mail or Send to many).
5. Key in the recipient’s phone number (or e-mail address) or search for the phone number (or e-mail address) in contacts. Press OK and the message is moved to the Outbox folder for sending.

 Sending a multimedia message takes more time than sending a text message. During sending the animated indicator is displayed and you can use the other functions of the phone. If the sending is interrupted, the phone tries to resend it for a few times. If the sending fails, the message remains in the Outbox folder and you can try to resend it later.

 The sent messages will be saved in the Sent items folder if the setting Save sent messages is set to Yes. See Settings for the multimedia messages on page 63.

Reading and replying to a multimedia message

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

 The blinking indicates that the memory for multimedia messages is full, see Multimedia messages memory full on page 60.

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

 Reading the message later: Press Menu, and select Messages, Multimedia msgs. and Inbox.
2. Scroll to view the message. Press Options and some of the following options may be available.

- **Delete message** to delete a saved message.
- **Reply or Reply to all** to reply to a message. To send the reply message, refer to Writing and sending a multimedia message on page 57.
- **Forward to no.** or **Forward to e-mail** or **Send to many** to forward the message.
- **Edit** to edit a message. You can only edit messages you have created. See Writing and sending a multimedia message on page 57.
- **Message details** to view the message subject, size and class.
- **Details** to view the details of the attached image or sound.
- **Play** to listen to the sound in the message.
- **Save sound clip** to save the sound in the Gallery.
- **Save image** to save the picture in the Gallery.

Refer also to the file options in **Gallery**, see Gallery (Menu 7) on page 91.

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

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

Multimedia messages to be sent are moved to the **Outbox** folder of the **Multimedia msgs.** submenu.

The multimedia messages you want to send later, can be saved in the **Saved items** folder of the **Multimedia msgs.** submenu.
The sent multimedia messages are saved in the Sent items folder of the Multimedia msgs. submenu.

**Multimedia messages memory full**

Received messages are automatically stored in the shared memory, see Shared memory on page 18.

When you have an incoming multimedia message and the memory for the messages is full, the indicator is blinking and Multimedia memory full, view waiting msg. is shown. To view the waiting message, press Show. To save the message, press Options, select Save message and delete old messages by first selecting the folder and then an old message to be deleted.

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

**Deleting messages**

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

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

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

**Voice messages**

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

Press Menu, and select Messages and Voice messages. Select

- **Listen to voice messages** to call your voice mailbox at the phone number you have saved within the Voice mailbox number menu.
  
  Each phone line may have its own voice mailbox number, see Line for outgoing calls on page 81.

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

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

Tip: In standby mode, pressing and holding 1 0 calls your voice mailbox.
Info messages
With the info message network service you can receive messages on various topics, for example weather or traffic conditions, from your service provider. For available topics and relevant topic numbers, contact your service provider.

If the GPRS connection is set to Always online, the info messages may not be received. In that case, set the GPRS connection to When needed, see Settings when GPRS is the selected data bearer on page 108.

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

Settings for text and e-mail messages
1. Press Menu, and select Messages, Message settings, Text messages and Sending profile.

2. If more than one message profile set is supported by your SIM card, select the set you want to change.
   - Select Message centre number to save the phone number of the message centre needed for sending text messages. You receive the number from your service provider.
   - Select Messages sent via to select the message type Text or E-mail, Paging and Fax.
   - Select Message validity to select the time for how long the network should attempt to deliver your message.
For message type **Text**, select **Default recipient number** to save a default number to send messages for this message profile.

For message type **E-mail**, select **E-mail server** to save the e-mail server number.

- Select **Delivery reports** to request the network to send delivery reports on your messages (network service).
- Select **Use GPRS** to set GPRS as the preferred SMS bearer.
- Select **Reply via same centre** to allow the recipient of your message to send you a reply message via your message centre (network service).
- Select **Rename sending profile** to change the name of the selected message profile. The message profile sets are displayed only if your SIM card supports more than one set.

**Overwrite settings**

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

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

**Settings for the multimedia messages**

Press **Menu**, and select **Messages**, **Message settings** and **Multimedia msgs.** Select...
- **Save sent messages.** Select *Yes* to set the phone to save the sent multimedia messages in the *Sent items* folder. If you select *No*, the sent messages are not saved.

- **Delivery reports** to ask the network to send delivery reports about your messages (network service).

- **Allow multimedia reception.** Choose *No*, *Yes* or *In home network* to use multimedia service. If you choose *In home network*, you cannot receive multimedia messages when outside your home network.

- **Incoming multimedia messages.** Select *Retrieve* to set the phone automatically to fetch received multimedia messages, or select *Reject* if you do not wish to receive multimedia messages.

- **Connection settings.** Define service connection settings for retrieving multimedia messages. Activate the set where you want to save the connection settings to and then edit the settings. You may be able to receive the service settings as an OTA message from the service provider that offers the service that you want to use. For details, contact your service provider. See *Setting up the phone for a service* on page 106.

- **Allow adverts.** You can choose to allow or to reject advertisement.

**Font size setting**

To select the font size for reading and writing messages, press *Menu*, and select *Messages, Message settings, Other settings* and *Font size.*
Service commands
Press Menu, and select Messages and Service commands. Key in and send service requests (also known as USSD commands) such as activation commands for network services, to your service provider.

■ Call register (Menu 2)
The phone registers the phone numbers of missed, received and dialled calls, and the approximate length and cost of your calls.
The phone registers missed and received calls only if the network supports these functions, the phone is switched on and within the network’s service area.
When you press Options in the Missed calls, Received calls and Dialled numbers menu, you can, for example, view the date and the time of the call, edit or delete the phone number from the list, save the number in contacts, or send a message to the number.

Recent calls lists
Press Menu, and select Call register and then select
• Missed calls to view the list of the last ten phone numbers from which somebody has tried to call you (network service). The number in the front of the (name or) phone number indicates the amount of call attempts from that caller.
Tip: When a note about missed calls is being displayed, press List to access the list of phone numbers. Scroll to the number you would like to call back and press .

- **Received calls** to view the list of the last ten phone numbers from which you have most recently accepted calls (network service).
- **Dialled numbers** to view the list of the 20 phone numbers that you have most recently called or attempted to call. See also Last number redialling on page 32.
- **Delete recent call lists** to delete the recent calls lists. Select whether you want to delete all the phone numbers in the recent call lists, or only those numbers in the missed calls, received calls or dialled numbers lists. You cannot undo the operation.

### Call counters and call timers

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

Press Menu, and select Call register and then select Call duration, scroll to view the approximate duration of your incoming and outgoing calls in hours, minutes and seconds. To clear the timers, the security code is needed.

Each phone line has its own call timers and the timers of the selected line are displayed. See Line for outgoing calls on page 81.
• **Call costs** (network service). Select **Last call units** or **All calls' units** to check the cost of your last call or all calls in terms of units specified within the **Show costs in** function.

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

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

**Note:** When no more charging units or currency units are left, calls may only be possible to the emergency number programmed into your phone (e.g. 112, 911 or other official emergency number).

• **GPRS data counter** and scroll to check the amounts of sent and received data in last session, data sent and received in total, and to clear the counters. The counters unit is a byte. To clear the counters, the security code is needed.

• **GPRS connection timer** scroll to check the duration of the last GPRS connection or the total GPRS connection. You can also clear the timers. To clear the timers, the security code is needed.

### Contacts (Menu 3)

You can save names and phone numbers in the phone's contacts directory and in the SIM card's memory.
The phone's contacts directory may save names with numbers and textual notes for each name. You can also save an image for a certain number of names. How many names can be saved depends on the length of the names, and the number and length of phone numbers and text items.

The phone's contacts directory uses shared memory, see Shared memory on page 18.

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

Selecting settings for contacts
Press Menu, and select Contacts and Settings. Select

- Memory in use to select the contacts list you want to use. To recall names and numbers from both contacts lists, select Phone and SIM. The names and numbers will be saved in the phone's contacts directory.
- Contacts view select how the names, numbers and images in contacts are displayed.
- Memory status to view the free and used memory capacity for contacts.

Saving names and phone numbers (Add contact)
Names and numbers will be saved in the used memory, see Selecting settings for contacts above.

1. Press Menu, and select Contacts and Add contact.
2. Key in the name and press **OK**. See **Using traditional text input** on page 38.
3. Key in the phone number, and press **OK**. To key in the numbers, see **Making a call** on page 32.
4. When the name and number are saved, press **Done**.

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

**Saving multiple numbers and text items per contact**
You can save different types of phone numbers and short text items per name in the phone’s contacts directory.

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. Make sure that the memory in use is either **Phone** or **Phone and SIM**. See **Selecting settings for contacts** on page 68.
2. To access the list of names and phone numbers, press → or ← in standby mode.
3. Scroll to the name to which you want to add a new number or text item, and press **Details**.
4. Press **Options** and select **Add number** or **Add detail**. If the name is stored in the SIM card’s memory, the name will be moved to the phone’s contacts directory.
5. Select one of the following number types: General, Mobile, Home, Office and Fax, or text types: E-mail address, Web address, Postal address and Note.

   To change the type of a number or text, select Change type in the options list.

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

7. Press Back and then Exit to return to standby mode.

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

Adding an image to a name or number in contacts
You can add an image in supported format to a name or number saved in the phone's contact directory. The image is shown when you receive a call from the given phone number.

Press in standby mode, scroll to the name (and number) you want to add an image to and press Details. Press Options and select Add image. The phone opens the list of folders in the Gallery. Scroll to the desired image, press Options and select Save to contacts. A copy of the image is added to the contact.

Searching for a contact
1. Press Menu, and select Contacts and Search.
2. You can key in the first characters of the name you are searching for in the pop-up window.
   Press ← and → to scroll through the names in the list, and { and } to move the cursor in the pop-up window.

3. Scroll to the name you want, and press Details. Scroll to view the details of the selected name.

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

Editing a name, number or text item or changing an image
Search for the name (and number) you want to edit and press Details. Scroll to the name, number or text item you want to edit, and press Options. Select Edit name, Edit number, Edit detail, or Change image, and edit the name, number, or text or change the image and press OK.

Deleting contacts
Press Menu and select Contacts and Delete.

- To delete contacts one by one, select One by one and scroll to the contact you want to delete. Press Delete and press OK to confirm.
- To delete contacts all at once, select Delete all and then scroll to either of the memories Phone or SIM card and press Delete. Press OK and confirm with the security code.
Deleting numbers, text items or images
Press ← in standby mode, scroll to the desired name (and number) and press Details. Scroll to the number or text item you want to delete, press Options and select Delete number or Delete detail, respectively. If you have an image attached to the name or number and you want to delete it, press Options and select Delete image. Deleting an image from contacts does not delete it from Gallery.

Copying contacts
You can copy names and phone numbers from the phone's contact directory to your SIM card's memory and vice versa.
1. Press Menu, and select Contacts and Copy.
2. Select the copying direction, From phone to SIM card or From SIM card to phone.
3. Select One by one, All or Default numbers.
   - If you select One by one, scroll to the name you want to copy and press Copy.
     Default numbers is shown if you copy from the phone to the SIM card. Only the default numbers will be copied.
4. To choose whether you want to keep or delete the original contact, select Keep original or Move original.
   - If you select All or Default numbers, press OK when Start copying? or Start moving? is displayed.
Sending and receiving a business card

You can send and receive a person's contact information as a business card an OTA message if supported by the network.

Receiving a business card

When you have received a business card, press Show. Press Save to save the business card in the phone's contact directory. To discard the business card, press Exit and then OK.

Sending a business card

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

Search for contact you want to send from the contacts list, press Details and Options and select Send bus. card and Via text message.

Speed dials

To make a call by using the speed dialling keys, see Speed dialling a phone number on page 33.

Assigning a number to a speed dialling key

Press Menu, and select Contacts and Speed dials and scroll to the speed dialling key number you want.

Press Assign, press Search, and select first the name and then the number you want to assign. If a number is already assigned to the key, press Options, and you can view, change or delete the assigned number.
Info numbers
You can call the information numbers of your service provider if the numbers are included in your SIM card.
Press Menu, and select Contacts and Info numbers. Scroll in a category to an information number and press ✆ to call the number.

Service numbers
You can call the service numbers of your service provider if the numbers are included in your SIM card.
Press Menu, and select Contacts and Service numbers. Scroll to a service number and press ✆ to call the number.

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

Caller groups
You can arrange the names and phone numbers saved in contacts into caller groups. For each caller group, you can set the phone to play a specific ringing tone and show a selected logo on the display when you receive a call from a phone number in the group, see below. To set the phone to ring only upon calls from
phone numbers belonging to a selected caller group, see Alert for in Tone settings on page 86.

Press Menu, and select Contacts and Caller groups and select the desired caller group. Select
- Group name, key in a new name for the caller group and press OK.
- Group ringing tone and select the ringing tone for the group. Default is the ringing tone selected for the currently active profile.
- Group logo and select On to set the phone to display the group logo, Off not to display it, or View to view the logo.
- Group members to add a name to the caller group, press Options and select Add contact. Scroll to the name you want to add to the group and press Add.
  To remove a name from a caller group, scroll to the name you want to remove, and press Options and select Remove contact.

■ Profiles (Menu 4)

Your phone has various setting groups, profiles, for which you can customise the phone tones for different events and environments. At first, personalise the profiles to your liking and then you only need to activate a profile to use it. Available profiles are General, Silent, Discreet, Loud, My style 1 and My style 2.

Press Menu, and select Profiles. Scroll to a profile and press Select.
- To activate the selected profile, select Activate.
To set the profile to be active until a certain time up to 24 hours, select Timed and set the time the profile setting shall end. When the time set for the profile expires, the previous profile that was not timed, becomes active.

To personalise the profile, select Personalise. Select the setting you want to change and make the changes.
The tone settings can also be changed in the Tone settings menu, see Tone settings on page 86.
The gaming cover settings can also be changed in Enhancement settings menu, see Enhancement settings on page 87.
In addition you can rename a profile, Profile name. The General profile can not be renamed.

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

**Settings (Menu 5)**

**Personal shortcuts**
You can add some specific functions to your personal shortcut list and activate them either in standby mode by pressing the right selection key (Go to) or accessing the Go to menu. Refer to Standby mode on page 20 and Go to (Menu 13) on page 117.

To select the name for the right selection key and the functions for your personal shortcut list, press Menu, and select Settings and Personal shortcuts.
To select the name for the right selection key displayed in standby mode, select Right selection key. Select Go to or Contacts.

To select the desired functions for your personal shortcut list, select Select Go to options and the list of available functions is shown. Scroll to the desired function and press Mark to add it to the shortcut list.

To remove a function from the list, press Unmark.

To rearrange the functions on the list, select Organise Go to options and the desired function. Press Move and select where you want to move the function.

**Screen saver**

The screen saver is activated when the phone is in standby mode and none of the phone's functions has been used for a certain time. Press any key to deactivate the screen saver. The screen saver is also deactivated when the phone is out of the network coverage area.

Press Menu, and select Settings and Screen saver.

- With Select s. saver you can choose an animation or a still image as screen saver from Gallery.
- Select in Timeout after which time the screen saver will be activated. In Other you can set the length of the timeout from 5 seconds to 10 minutes (minutes:seconds).
- Select On to activate the screen saver.
Independent of the screen saver settings, for power saving a digital clock view will be activated when for a certain time no function of the phone has been used. See Power saving on page 21.

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

**Time and date settings**

**Clock**
Press Menu, and select **Settings, Time and date settings** and **Clock**.
Select **Show clock** to show the clock on the top right of the display in standby mode. Select **Set the time**, to adjust the clock to the right time, and **Time format** to select the 12-hour or 24-hour time format.

The clock serves the functions **Messages**, **Call register**, **Alarm clock**, timed **Profiles**, **Calendar** and **Screen saver**, for example.

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

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

- **Show date** and the date is shown on the display when the phone is in standby mode.
- **Set the date** to adjust the date.
- **Date format** to select the date format.
Auto update of date and time
Press Menu, and select Settings, Time and date settings and Auto-update of date & time (network service). To set the phone to automatically update the time and date according to the current time zone, select On. To set the phone to ask for a confirmation before the update, select Confirm first.
Automatic update of date and time does not change the time you have set for the alarm clock, calendar or the alarm notes. They are in local time. Updating may cause some alarms you have set to expire.

Call settings

Call divert
Press Menu, and select Settings, Call settings and Call divert (network service).
With call divert you can direct your incoming calls to another number, for example, to your voice mailbox number. For details, contact your service provider. Divert options not supported by your SIM card or your network operator may not be shown.
Select the divert option you want, for example, select Divert if busy to divert the voice calls when your number is busy or when you reject an incoming call.
To set the divert setting to on, select Activate, and then select the timeout after which the call is diverted, if this is available for the divert option. Select Cancel, or Check status to check whether the divert is activated or not. Several divert options may be active at the same time.
To cancel all the active call diverts at once, select the option *Cancel all diverts.*
To see the divert indicators in standby mode, see *Standby mode* on page 20.

**Anykey answer**
Press *Menu*, and select *Settings*, *Call settings* and then *Anykey answer*. Select *On* and you can answer an incoming call by briefly pressing any key, except 1, selection keys ▲ and ▼, and #.

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

**Speed dialling**
Press *Menu*, and select *Settings*, *Call settings* and *Speed dialling*. Select *On* and the names and phone numbers assigned to the speed dialling keys, from 2 abc to 9 wxyz, can be dialled by pressing and holding the corresponding number key.

**Call waiting**
Press *Menu*, and select *Settings*, *Call settings* and *Call waiting*. Select *Activate* and the network will notify you of an incoming call while you have a call in progress (network service). See *Call waiting* on page 34.

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

Line for outgoing calls
Line for outgoing calls is a network service to select the phone line 1 or 2, that is subscriber number, for making calls.
Press Menu, and select Settings, Call settings and Line for outgoing calls. If you select Line 2 and have not subscribed to this network service, you will not be able to make calls. However, calls on both lines can be answered regardless of the selected line.
If supported by your SIM card, you can prevent the line selection by selecting the option Lock.
For more information on availability, contact your network operator or service provider.

Tip: In standby mode you can switch from one line to the other by pressing and holding # or .
Phone settings

Phone language
Select the language the phone shall display. Press Menu, and select Settings, Phone settings and Phone language. If you select Automatic the phone selects the language according to the information on the SIM card.

Automatic keyguard

Note: When the keypad is locked, 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.

You can set the keypad of your phone to lock automatically after a preset time delay. You can set the delay time (minutes:seconds) from 10 seconds up to 60 minutes and when the time is up, the keypad locks automatically preventing accidental keypresses.

Press Menu, and select Settings, Phone settings and Automatic keyguard.

• To activate the automatic keyguard, select On and the phone displays Set delay: Key in the time and press OK.
• To deactivate the automatic keyguard, select Off.

See also Keypad lock (Keyguard) on page 28.
Cell info display
Press Menu, and select Settings, Phone settings and Cell info display (network service). Select On to set the phone to indicate when it is used in a cellular network based on Micro Cellular Network (MCN) technology.

If the GPRS connection is set to Always online, the info messages may not be received. In that case, set the GPRS connection to When needed, see Settings when GPRS is the selected data bearer on page 108.

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

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

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

Confirm SIM service actions
See SIM services (Menu 14) on page 117.
Help text activation
To set the phone to show or not to show the help texts, press Menu, and select Settings, Phone settings and Help text activation.
See also Using the menu on page 41.

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

Display settings
Wallpaper
You can set your phone to display a background picture, wallpaper, when the phone is in standby mode. Some pictures are presaved in the Gallery menu. You can also receive pictures via multimedia message, download them from service pages or transfer them with PC Suite from your PC and then save them in Gallery. Your phone supports JPEG, GIF, BMP and PNG formats.

To select a wallpaper picture
1. Press Menu, and select Settings, Display settings and Wallpaper.
2. Select Select image and the folder list in the Gallery menu will be shown.
3. Select the folder and scroll to the desired picture.
4. To set the picture as wallpaper, press Options and select Set as wallpaper.
To activate or deactivate the wallpaper
Press Menu, and select Settings, Display settings and Wallpaper. To activate/deactivate the wallpaper, select On/Off, respectively.

**Colour schemes**
You can change the colour in some display components, for example, indicators and signal bars.

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

**Operator logo**
To set your phone to display or hide the operator logo, press Menu, and select Settings, Display settings and Operator logo.

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

For more information and availability of an operator logo via SMS, MMS or Internet, contact your network operator and/or service provider, and see also PC Suite on page 118.

**Display brightness**
You can change the display brightness used on the phone display.

Press Menu, and select Settings, Display settings and Display brightness. Scroll with { and } to decrease and increase the brightness, and press OK to accept it.
Tone settings

Press Menu, and select Settings and then Tone settings. You can find the same settings in the Profiles menu, see Profiles (Menu 4) on page 75. Note that the settings you make, change the settings in the active profile. Select

- **Incoming call alert** to select how the phone notifies you of an incoming voice call. The options are Ringing, Ascending, Ring once, Beep once and Off.
- **Ringing tone** for incoming voice calls. To select ringing tones saved in the Gallery, select Open gallery from the ringing tone list.
- **Ringing volume** for incoming voice calls and incoming messages.
- **Vibrating alert** for incoming voice calls and incoming messages. The vibrating alert does not work when the phone is connected to a charger, desktop stand, or a car kit.
- **Message alert tone** to set the alert tone for the incoming messages. Keypad tones, or Warning tones to set the phone to sound tones for example, when the battery is running out of power.
- **Keypad tones** to set the volume of the tone.
- **Warning tones** to set the phone to sound tones for example, when the battery is running out of power.
- **Rhythmic backlight alert** to set the lights of the phone to flash, following the rhythm of the current SMS alert tone, or the current incoming call alert tone, whenever you receive a message or incoming call.
• **Alert for** to set the phone to ring only upon calls from phone numbers that belong to a selected caller group. Scroll to the caller group you want or **All calls** and press **Mark**.

  **Tip:** If you receive a ringing tone via OTA or by downloading, you can save the ringing tone in the **Gallery**.

**Enhancement settings**

This menu is shown only if the phone is or has been connected to one of the following enhancements: headset HDB-4, handsfree unit CARK126, Xpress-on™ Gaming cover or mobile inductive loopset LPS-4.

Press **Menu**, and select **Settings** and **Enhancement settings**. You can select **Headset**, **Handsfree**, **Loopset** or **Gaming cover** if the corresponding enhancement is or has been connected to the phone. Select

• **Default profile** to select the profile you want to be automatically activated when you connect the selected enhancement. You can select another profile while the enhancement is connected.

• **Automatic answer** to set the phone to answer an incoming call automatically after five seconds. If the **Incoming call alert** is set to **Beep once** or **Off**, automatic answer is not available.

• **Lights** to set the lights permanently **On**. Select **Automatic** to set the lights on for 15 seconds after a keypress. The **Lights** option is available only when **Handsfree** is selected.
• **Cover lights** to activate and deactivate the lights when using a Xpress-on™ Gaming cover. Note that activation of the cover lights may consume the phone’s battery faster.

  ![Note icon] Always deactivate the cover lights where they may cause distraction.

### 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).

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

- **PIN code request** to set the phone to ask for your PIN code every time the phone is switched on. Some SIM cards do not allow the PIN code request to be turned off.

- **Call barring service** (network service) to restrict incoming calls to and outgoing calls from your phone. A barring password is required.

- **Fixed dialling** to restrict your outgoing calls to selected phone numbers if this function is supported by your SIM card. The PIN2 code is required. When the fixed dialling is on, GPRS connections are not possible except while sending text messages over a GPRS connection. In this case, the recipient’s phone number and the message centre number must be included in the fixed dialling list.
Closed user group. Closed user group is a network service that specifies the group of people whom you can call and who can call you. For more information contact your network operator or service provider.

Security level. The preset security code is 12345.

Select Phone and the phone will 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, (see Selecting settings for contacts on page 68) or copy from one memory to another (Copying contacts on page 72).

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

Restore factory settings
To reset some of the menu settings to their original values, press Menu, and select Settings and Restore factory settings. Key in the security code and press OK. Note that the data you have keyed in or downloaded, for example, the names and phone numbers saved in the contacts list are not deleted.
■ Alarm clock (Menu 6)

The alarm clock uses the time format set for the clock.

Press Menu, and select Alarm clock.

- To set the alarm, select Alarm time and key in the alarm time. To change the time when the alarm time is set, select On.
- To set a tone for the alarm, select Alarm tone and the desired tone.

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 alarm for a minute or press Snooze, the alarm stops for about ten minutes and then resumes.

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

Note: Do not press Yes when wireless phone use is prohibited or when it may cause interference or danger.
Gallery (Menu 7)

You can save images and ringing tones, for example, if received in a multimedia message, in the folders of the gallery, see Reading and replying to a multimedia message on page 58.

The gallery uses shared memory, see Shared memory on page 18.

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

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

Other options available are:

- **Add folder** to add a new folder. Key in a name for the folder and press OK.
- **Delete folder** to select the folder you want to delete. You can not delete the original folders in the phone.
- **Rename folder** to select the folder you want to give a new name. You can not rename the original folders in the phone.
- **Gallery downloads** to download more images and tones. Select Image downloads or Tone downloads, respectively. The list of available bookmarks is shown. Select More bookmarks to access the list of bookmarks in the Services menu, see Bookmarks on page 113.

Select the appropriate bookmark to connect to the desired page. If the connection fails, you may not be able to access the page from the service whose connection settings are currently active. In this case, key in the
Services menu and activate another set of service settings, see Making a connection to a service on page 109. Try again to connect to the page.

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

3. Select the desired folder and the list of files in the folder is shown. Images and Tones are the original folders in the phone.

4. Scroll to the desired file. Press Options and some of the following options may be available:
   - Open to open the selected file.
   - Delete to delete the selected file.
   - Send to send a file with a multimedia message.
   - Move to move a file to another folder.
   - Rename to give a new name for the file.
   - Set as wallpaper to set the selected file as wallpaper.
   - Set as ring tone to set the selected file as ringing tone.
   - Details to see the details of the file, the size, for example.
   - Sort to sort the files and folders by date, type, name or size.
■ Calendar (Menu 8)

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

The calendar uses shared memory, see Shared memory on page 18.

Note: Your phone must be switched on to use the functions in the Calendar menu.

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

Press Menu, and select Calendar.

Tip: To quickly open the Calendar menu, press } in standby mode.

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

Tip: To scroll in the notes list through the notes day by day press { or }.

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

Tip: To scroll through the day notes in the note view note by note press { or }.
The other options for the calendar views may include:

- Options for making a note, sending a note to another phone or copying a note to another day.
- Options for deleting, editing, moving and repeating a note.
- **Settings** to set the date, time, date or time format, or the first day of the week. In the **Auto-delete** option you can set the phone to delete old notes automatically after a specified time. However, the repeat notes, for example, birthday notes, will not be deleted.

**Making a calendar note**

For keying in letters and numbers, see **Writing text** on page 36.

Press **Menu**, and select **Calendar**. Scroll to the date you want, press **Options** and select **Make a note**. Select one of the following note types:

- **Reminder** - Key in the subject for the reminder, press **Options** and select **Save**. To set the alarm for the note, select **Alarm on** and then set the alarm time.
- **Call** - Key in the phone number, press **Options** and select **Save**. Key in the name, press **Options** and select **Save**. (Instead of keying in the phone number, you can press **Options** to search for the name and number in the contacts.) Then key in the time for the call and press **OK**. To set the alarm for the note, select **With tone** or **Silent** (no alarm tone) and then set the alarm time.
- **Birthday** - Key in the person’s name (or press **Options** to search for it in contacts), press **Options** and select **Save**. Then key in the year of birth, and
press OK. To set the alarm for the note, select With tone or Silent (no alarm tone) and then set the alarm time.

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

**When the phone alarms for a note**

The phone beeps, and displays the note. With a call note ✂ on the display, you can call the displayed number by pressing ✉. To stop the alarm and view the note, press View. To stop the alarm without viewing the note, press Exit.

■ Games (Menu 9)

Your phone software includes some games specially designed for this Nokia phone.

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

**Launching a game**

1. Press Menu, and select Games and Select game.
2. Scroll to a game or a game set (name depends on the game).
3. Press Options and select Open or press ✉. If the selection is a single game it will be launched.
Otherwise, a list of games in the selected game set is displayed. To launch a single game, scroll to the desired game and press Options and select Open, or press 
. Note that running some games may consume the phone's battery faster (and you may need to connect the phone to the charger).

Other options available for a game or game set
Options for games, see Other options available for an application or application set on page 98.

Game downloads
Press Menu, and select Games and Game downloads. The list of available bookmarks is shown. Select More bookmarks to access the list of bookmarks in the Services menu, see Bookmarks on page 113.

Select the appropriate bookmark to connect to the desired service. If the connection fails, you may not be able to access the service whose connection settings are currently active. In this case, key in the Services menu and activate another set of service settings, see Making a connection to a service on page 109. Try again to connect to the service.

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

Note that when downloading a game or an application, it may be saved in Applications menu instead of the Games menu.
Note that Nokia does not warrant for applications from non-Nokia sites. If you choose to download applications from them, you should take the same precautions, for security or content, as you would with any site.

Memory status for games
To view the size of memory available for game and application installations, press Menu, and select Games and Memory. The games use shared memory, see Shared memory on page 18.

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

Applications (Menu 10)
This menu allows the management of Java applications installed on your phone. Your phone software includes some Java applications specially designed for this Nokia phone. Various service providers offer other applications. Before you can use one of these applications you have to download it to your phone.

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

1. Press Menu, and select Applications and Select application.
2. Scroll to an application or an application set (name depends on the application).
3. Press Options and select Open or press ▶. If the selection is a single application it will be launched.
   Otherwise, a list of applications in the selected application set is displayed. To launch a single application, scroll to the desired application and press Options and select Open, or press ▶.

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

Other options available for an application or application set

- **Delete** to delete the application or application set from the phone.
  
  Note that if you delete a pre-installed application or an application set from your phone, you may download it back to your phone from the Nokia Software Market, www.softwaremarket.nokia.com.

- **Web access** to restrict the application for accessing the network. Select Ask first and the phone asks for net access, Allowed to allow the net access, or Not allowed not to allow the net access.

- **Update version** to check if a new version of the application is available for download from the services if supported by the application.
• **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** the specific default settings that some applications need for the browser.

• **Details** to give additional information about the application.

**Downloading an application**

Your phone supports J2ME™ Java applications. Make sure that the application is compatible with your phone before downloading it.

You can download new Java applications in different ways:

• Press **Menu**, and select **Applications** and **App. downloads** and the list of available bookmarks is shown. Select **More bookmarks** to access the list of bookmarks in the **Services** menu, see **Bookmarks** on page 113.

  Select the appropriate bookmark to connect to the desired service. If the connection fails, you may not be able to access the service whose connection settings are currently active. In this case, key in the **Services** menu and activate another set of service settings, see **Making a connection to a service** on page 109. Try again to connect to the service.

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

• Press **Menu**, and select **Services** to find a page to download an appropriate Java application. See **Browsing the pages of a service** on page 110.
• Use the game download functionality, see Game downloads on page 96.
• Use the Nokia Application installer from PC Suite to download the applications from a compatible PC in your phone.

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

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

The following texts may appear during a download or during an operation of a Java application:
• Action failed, an error occurs during the operation.
• Application error, an error occurs in the running application.
• Application not supported, the application is incompatible with the phone.
• Call in progress, the application tries to establish a web connection while the phone is already in call.
• File format unknown, the file format is unknown to the phone.
• File too large, a file is too large to run on the phone or the gateway does not support large files.
• Invalid file, the application is invalid.
• Unable to start, the phone couldn't start the application. Please try again.
• Unable to run application, there is insufficient resource to run the application. End any active calls or features and try to open the application again.
• *Unknown* (appearing in the Application’s list), the application is invalid.

**Memory status for applications**

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

The applications use shared memory, see Shared memory on page 18.

■ **Extras (Menu 11)**

Your phone provides some practical functions with this menu.

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

**Calculator**

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

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

1. Press Menu, and select Extras and Calculator.
2. When '0' is displayed on the screen, key in the first number in the calculation, press # for a decimal point.
3. Press Options and select Add, Subtract, Multiply, Divide, Square, Square root or Change sign.
Tip: Alternatively, press $+\times$ once to add, twice to subtract, three times to multiply or four times to divide.

4. Key in the second number.

5. For a total, press Options and select Equals. Repeat steps 3 to 5 as many times as is necessary.

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

Making a currency conversion
1. Press Menu, and select Extras and Calculator.

2. To save the exchange rate, press Options and select Exchange rate. Select either of the displayed options. Key in the exchange rate, press $\#\cdot$ for a decimal point, and press OK. The exchange rate remains in the memory until you replace it with another one.

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

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

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

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

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

Stopwatch
You can measure time, take intermediate times or lap times using the stopwatch. During timing, the other functions of the phone can be used. To set the 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.

Time observation and time splitting
1. Press Menu, and select Extras, Stopwatch and Split timing. You can select Continue if you have set the timing in the background.
2. Press Start to start the time observation. Press Split every time you want to take an intermediate time. The intermediate times are listed below the running time on the display. Scroll to view the times.
3. Press Stop to stop the time observation.
4. Press Options and select
Start to start the time observation again. The new time is added to the previous time.

Save to save the time. Key in a name for the measured time and press OK. If no name is keyed in, the total time is used as a title.

Reset to reset the time without saving it.

**Lap times**
Press Menu, and select Extras, Stopwatch and Lap timing. Press Start to start the time observation and Lap to take a lap time. Press Stop to stop the lap timing. Press Options and you can save or reset the lap times. Refer to Time observation and time splitting above.

**Viewing and deleting times**
Press Menu, and select Extras, and Stopwatch.
If the stopwatch is not reset, you can select Show last to view the latest measured time. Select View times and a list of names or final times of the time sets is shown, select the time set you want to view.
To delete the saved times, select Delete times. Select Delete all and press OK, or select One by one, scroll to the times you want to delete, press Delete and press OK.

■ **Services (Menu 12)**
You can access various services on the Internet. For example, these services may include 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 provider will also give you instructions on how to use their services.

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

With your phone's multi-mode browser you can view the services that use Wireless Mark-Up Language (WML) or extensible HyperText Markup Language (xHTML) on their pages. Since the phone's display and the memory capacity are much smaller than in a computer, Internet content is displayed differently on the phone's display. Note that you may not be able to view all details on the Internet pages.

**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 106.
2. Make a connection to the given service. See page 109.
3. Start browsing the pages of the service. See page 110.
4. Once you are finished browsing, end the connection to the service. See page 112.
Setting up the phone for a service
You may receive the service settings as an OTA 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 appropriate settings, contact your network operator or service provider that offers the service that you want to use. The settings may be available, for example, on their website.

Saving the service settings received as an OTA message
When you may be able to receive the service settings as an OTA message, Service settings received is displayed.

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

- To view the received settings first, press Options and select View. To save the settings, press Save.

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

Keying in the service settings manually
1. Press Menu, and select Services, Settings and Connection settings.
2. Select Active service settings.
3. Scroll to the connection set you would like to activate and press **Activate**.
   You need to activate the connection set where you want to save the service settings. A connection set is a collection of settings required to make a connection to a service.

4. Select **Edit active service settings**.
   Select each of the settings one by one and key in all the required settings according to the information you have received from your network operator or service provider.
   - **Settings’ name** - Key in the new name for the connection set.
   - **Homepage** - Key in the homepage address (start page) of the service that you want to use, press \( \text{0} \) for a dot.
   - **Session mode** - Select **Permanent** or **Temporary**.
   - **Connection security** - Select **On** or **Off**.
     When the connection security is **On**, the phone tries to use a secure connection with the service. If a secure connection is not available, the connection will not be made. If you wish to connect anyway, with a non-secure connection, you must set the connection security to **Off**.
   - **Data bearer** - Select **GSM data** or **GPRS**. Settings for the selected bearer, see **Settings when GSM data is the selected data bearer** and **Settings when GPRS is the selected data bearer** below.
     For pricing, connection speed and other information, contact your network operator or service provider.
Settings when GSM data is the selected data bearer

- **Dial-up number** - Key in the phone number.
- **IP address** - Key in the address, press * + for a dot.
- **Authentication type** - Select Secure or Normal.
- **Data call type** - Select Analogue or ISDN.
- **Data call speed** - Select the speed you want to use, or select Automatic. Automatic is available only if the current selected data call type is Analogue. The actual data call speed depends on the service provider.
- **Login type** - Select Manual or Automatic.
- **User name** - Key in the user name.
- **Password** - Key in the password.

Settings when GPRS is the selected data bearer

- **GPRS connection** - Select When needed or Always online.
- **GPRS access point** - Key in the access point name.
  
  An access point name is needed to establish a connection to a GPRS network. You obtain the access point name from your network operator or service provider.

- **IP address** - Key in the address, press * + for a dot. You obtain the IP address from your network operator or service provider.
- **Authentication type** - Select Secure or Normal.
• **Login type** - Select *Manual* or *Automatic*. If you select *Automatic*, the login type uses the user name and password keyed in the following settings. If you select *Manual*, the login information is required when establishing a connection.

• **User name** - Key in the user name.

• **Password** - Key in the password.

**Making a connection to a service**

1. Firstly, make sure that the service settings of the service you want to use are activated. To activate the settings:
   - Press Menu, and select **Services, Settings and Connection settings**. Select **Active service settings** and scroll to the connection set you want to activate and press **Activate**.

2. Secondly, make a connection to the service. There are three ways to connect:
   - Open the startpage, for example, the homepage of the service provider:
     - Press Menu, and select **Services and Home**, or in standby mode press and hold the Internet key.
   - Select a bookmark of the service:
     - Press Menu, and select **Services, Bookmarks**, and select a bookmark.
     - If the bookmark does not work with the current active service settings, activate another set of service settings and try again.
   - Key in the address of the service:
Press Menu, and select Services and then Go to address. Key in the address of the service and press OK.

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

**Browsing the pages of a service**

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

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

**Using the phone keys while browsing**

- Use any of the scroll keys to browse through the page.
- To select a highlighted item, press ⬤.
- To key in letters and numbers, press the keys 0 123 - 9 空格 and to key in special characters, press the key ①.

**Options while browsing**

Press Options and the following options may be available. The service provider may also offer other options. Select
- **Home** to return to the startpage of the selected service.
- **Bookmarks**. See Bookmarks on page 113.
- **Add bookmark** to save the page as a bookmark.
- **Download links** to show the list of bookmarks for downloading.
- **Shortcuts** to open a new list of options that are, for example, specific to the page.
- **View image** or **View images** to view images and animations from the page.
- **Call | Edit | Open row | Open | Open list** to call, to key in text or to select a highlighted item on the page.
- **Go to address** to key in the address of the service you want to access.
- **Service inbox**. See Service inbox on page 114.
- **Appearance settings**. See Appearance settings of the multi-mode browser on page 112.
- **Cookie settings**. See Selecting Cookie settings on page 113.
- **Use detail** to extract numbers, e-mail addresses and website addresses from the current page.
- **Reload** to reload and update the current page.
- **Clear the cache**. See Clearing the cache memory on page 115.
- **Security info** to view security information about the current connection and the server.
- **Quit**. See Disconnect from a service on page 112.
Note: 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 Clearing the cache memory on page 115.

Direct calling
The multi-mode 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 in contacts 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.
Alternatively, press \. If GSM data is the selected data bearer, press \ twice. The phone ends the connection to the service.

Appearance settings of the multi-mode browser
1. While browsing, press Options, and select Other options and Appear. settings, or in standby mode, press Menu, and select Services, Settings and Appearance settings.
2. Select Text wrapping. Select On and the text continues on the next line if it cannot be shown on one line. If you select Off, the text is abbreviated if it is too long to be shown on one line.
Select Show images. Select No and any pictures appearing on the page are not shown. This can speed up the browsing of pages that contain a lot of pictures.

Selecting Cookie settings
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 Clearing the cache memory on page 115.

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

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

1. While browsing, press Options and select Bookmarks, or in standby mode, press Menu, and select Services and Bookmarks.
2. Scroll to the bookmark you want to use and press Options.
3. Select Go to to make a connection to the page associated with the bookmark. You can also view the title and address of the selected bookmark, edit or delete the selected bookmark, or send it directly to another phone as a bookmark, or as an OTA message, or create a new 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 View, then press Options and select View to view the bookmark, Save to save the bookmark, or Discard to discard it.

Downloading
1. To download more tones, images, games or applications to your phone, press Menu, and select Services and Download links.
2. Select Tone downloads, Image downloads, Game downloads or App. downloads to download tones, images, games or applications, respectively.

Download content only from the sources you trust. See also Game downloads on page 96 and Downloading an application on page 99.

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

To access the Service inbox in standby mode, when you have received a service message, press Show.
• If you press Exit the message is moved to the Service inbox. To access the Service inbox later, press Menu, and select Services, Settings and Service inbox.

To access the Service inbox while browsing, press Options and select Other options and Service inbox. Scroll to the message you want, press Options. Select Retrieve to activate the multi-mode browser and download the marked content, or Details to display detailed information on the service notification, or select Delete to delete it.

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 not to receive) service message.

• Select Automatic connection. If you have set the phone to receive service messages and select Automatic connection on, the phone will automatically activate the browser when the phone has received a service message.

If you select Automatic connection off, the phone will activate the browser only after you have selected Retrieve when the phone has received a service message.

Clearing the cache memory
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. To empty the cache:
while browsing, press Options, and select Other options and Clear the cache, or
in standby mode, press Menu, and select Services and Clear the cache.

Authority certificates
For using some services, such as banking services, you need security certificates. Using the certificates can help you improve the security of connections between your phone and a gateway or server, if the Connection security is set to On.
You can download authority certificate from a page, if the service supports the use of authority certificates. After the download, you can view the certificate and then save or delete it. Saved certificates are added to the certificate list in the phone.
The phone indicates if the identity of the server or gateway cannot be verified, if the server or gateway certificate is not authentic or if you do not have the correct authority certificate in your phone.

Viewing the list of authority certificates
Press Menu, select Services, Settings, Security settings and Authority certificates.
See also Security info in Using the phone keys while browsing on page 110.

Security indicator
If the security indicator is displayed during a connection, the data transmission between the phone and the gateway or server (identified by the IP address in the Edit active service settings) is encrypted. However, the security indicator does not indicate that the data transmission between the gateway and the content server (the location where the requested resource is stored) is secure. It is up to the
service provider to secure the data transmission between the gateway and the content server.

■ Go to (Menu 13)
To access some specific functions quickly, press Menu and select Go to and select the desired function from the list.

To remove or add more functions on the list, see Personal shortcuts on page 76.

■ SIM services (Menu 14)
In addition to the functions available on the phone, your SIM card may provide additional services that you can access in this menu. It is shown only if it is supported by your SIM card. The name and contents of the menu depends on the available services.

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, menu 4-3-6.

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

With the PC suite you can, for example, send text and picture messages, synchronise contacts and calendar between your phone and a compatible PC. Connect the connectivity adapter cable DKU-5 to the USB port on the back of your computer and to the connector on your phone.

You may find more information and downloadable files, e.g. PC suite in the support area on the Nokia’s web site, www.nokia.com.

PC Suite

The PC Suite contains the following applications:

- **Nokia Application Installer** to install Java applications from the PC to the phone.
- **Nokia Image Converter** to make images usable for multimedia messages or wallpapers and to transfer them to your phone.
- **Nokia Sound Converter** to edit polyphonic ringing tones to be compatible with your phone and to transfer them to your phone.
- **Nokia Content Copier** to copy information or back-up information from your phone to the PC or to another compatible Nokia phone.
- **Nokia PC WAP Manager** to edit and send your bookmarks or update the connection sets to your phone.
- **Nokia Phone Editor** to send text messages and edit the contacts directory and message settings of your phone.
- **Nokia PC Sync** to synchronise the contacts directory and calendar between your phone and a compatible PC.
- **Nokia Connection Manager** to select the connection type between the PC and the phone.
- **Nokia Phone Browser** to copy images and tones from your phone to your PC and vice versa.

  **Note:** Copyright protection may prevent some images, ringing tones and other content from being copied, modified, transferred or forwarded.
7. Battery statements

■ Charging and Discharging

Your phone is powered by a rechargeable battery.

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

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

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

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

Use the battery only for its intended purpose.

Never use any charger or battery which is damaged.

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

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). A phone with a hot or cold battery may
temporarily not work, even when the battery is fully charged. Batteries' performance is particularly limited in temperatures well below freezing.
Do not dispose of batteries in a fire !
Dispose of batteries according to local regulations (e.g. recycling). Do not dispose as household waste.
CARE AND MAINTENANCE

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

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

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

■ Traffic Safety
Do not use a hand-held telephone while driving a vehicle. Always secure the phone in its holder; do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop.
Remember road safety always comes first!

■ Operating environment
Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger.
Use the phone only in its normal operating positions.
Parts of the phone are magnetic. Metallic materials may be attracted to the phone, and persons with a hearing aid should not hold the phone to the ear with the hearing aid. Always secure the phone in its holder, because metallic materials may be attracted by the earpiece.
Do not place credit cards or other magnetic storage media near the phone, because information stored on them may be erased.

■ Electronic devices
Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.
Pacemakers
Pacemaker manufacturers recommend that a minimum separation of 20 cm (6 inches) be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers:

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

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

Other medical devices
Operation of any radio transmitting equipment, including cellular phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.
Vehicles
RF signals may affect improperly installed or inadequately shielded electronic systems in
motor vehicles (e.g. electronic fuel injection systems, electronic anti-skid (anti-lock) braking
systems, electronic speed control systems, air-bag systems). Check with the manufacturer or
its representative regarding your vehicle. You should also consult the manufacturer of any
equipment that has been added to your vehicle.

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

Potentially explosive atmospheres
Switch off your phone when in any area with a potentially explosive atmosphere and obey
all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in
bodily injury or even death.
Users are advised to switch off the phone when at a refuelling point (service station). Users
are reminded of the need to observe restrictions on the use of radio equipment in fuel depots
(fuel storage and distribution areas), chemical plants or where blasting operations are in
progress.
Areas with a potentially explosive atmosphere are often but not always clearly marked. They
include below deck on boats; chemical transfer or storage facilities; vehicles using liquified
petroleum gas (such as propane or butane); areas where the air contains chemicals or
particles, such as grain, dust or metal powders; and any other area where you would
normally be advised to turn off your vehicle engine.
■ Vehicles

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

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

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

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

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

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

■ Emergency calls

Important: This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions. Because of this, connections in all conditions can not be guaranteed. Therefore, you should never rely solely upon any wireless phone for essential communications (e.g. medical emergencies).
Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:
1. If the phone is not on, switch it on. Check for adequate signal strength.
   Some networks may require that a valid SIM card is properly inserted in the phone.
2. Press as many times as needed (e.g. to exit a call, to exit a menu, etc.) to clear the display and ready the phone for calls.
3. Key in the emergency number for your present location (e.g. 112, 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.
Certification information (SAR)

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES

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

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

The highest SAR value for this device when tested for use at the ear is 0.79 W/kg.

This device 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.

In order to transmit data files or messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.
* The SAR limit for mobile devices used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of body tissue. The guidelines incorporate a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band. For SAR information in other regions please look under product information at www.nokia.com.