User's Guide for Nokia 1101

DECLARATION OF CONFORMITY
We, NOKIA CORPORATION declare under our sole responsibility that the product RH-75 is in conformity with the provisions of the following Council Directive: 1999/5/EC.

A copy of the Declaration of Conformity can be found at
http://www.nokia.com/phones/declaration_of_conformity/.

$C \in 168$

9238181/Issue 1

Contents

FOR YOUR SAFETY

Read these simple guidelines. Not following them may be dangerous or illegal. Read the complete user guide for further information.

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

ROAD SAFETY COMES FIRST
Obey all local laws. Always keep your hands free to operate vehicle while driving. Your first consideration while driving should be road safety.

INTERFERENCE
All wireless phones may be susceptible to interference, which could affect performance.

SWITCH OFF IN HOSPITALS
Follow any restrictions. Switch the phone off near medical equipment.

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

SWITCH OFF WHEN REFUELLING
Do not use the phone at a refuelling point. Do not use near fuel or chemicals.

SWITCH OFF NEAR BLASTING
Follow any restrictions. Do not use the phone where blasting is in progress.

USE SENSIBLY
Use only in the normal position as explained in the product documentation. Do not touch the antenna unnecessarily.

QUALIFIED SERVICE
Only qualified personnel may install or repair this product.

ACCESSORIES AND BATTERIES
Use only approved enhancements and batteries. Do not connect incompatible products.

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

BACKUP COPIES
Remember to make backup copies or keep a written record of all important information stored in your phone.

CONNECTING TO OTHER DEVICES
When connecting to any other device, read its user guide for detailed safety instructions. Do not connect incompatible products.

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

EMERGENCY CALLS
Ensure the phone is switched on and in service. Press and hold the clear/exit key
 `c` twice for several seconds to clear the display. Enter the emergency number, then press **Call** (using the Navi key `—`). Give your location. Do not end the call until given permission to do so.

■ Network Services

To use the phone you must have service from a wireless service provider. Many of the features in this device depend on features in the wireless network to function. These Network Services may not be available on all networks or you may have to make specific arrangements with your service provider before you can utilize Network Services. Your service provider may need to give you additional instructions for their use and explain what charges will apply. Some networks may have limitations that affect how you can use Network Services. For instance, some networks may not support all language-dependent characters and services.

Your service provider may have requested that certain features be disabled or not activated in your device. If so, they will not appear on your device menu. Contact your service provider for more information.

■ Charger and accessory

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

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

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

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

General information

■ Stickers in the sales package

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

Attach the $\boxed{A}$ sticker to the Club Nokia Invitation Card supplied in the sales package.

Attach the $\boxed{B}$ sticker to your warranty card.

■ Access codes

- **Security code:** This code, supplied with the phone, protects your phone against unauthorized use. The preset code is 12345.

  Refer to Security settings on page 44 to see how it works.

- **PIN code:** This code, supplied with the SIM card, protects the card against unauthorized use.

  Set the *PIN code request* in the *Security settings* menu to on (see Security settings on page 44), so that the code is requested each time the phone is switched on.

  If you enter the PIN code incorrectly three times in succession, the SIM card is blocked. You must enter the PUK code to unblock the SIM card and set a new PIN code.

- **PIN2 code:** This code is supplied with some SIM cards and is required to access certain services, such as charging unit counters. If you enter the PIN2 code incorrectly three times in succession, *PIN2 code blocked* appears on the display, and you will be asked for the PUK2 code.

  Change the security code, PIN code and PIN2 code in *Change of access codes* in the *Security settings* menu (see). Keep the new codes secret and in a safe place separate from your phone.

- **PUK and PUK2 code:** These codes may be supplied with the SIM card. If this is not the case, contact your local service provider.

1. Get started

■ Insert a SIM card

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

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

- Before installing the SIM card, make sure that the phone is switched off, disconnected from the charger or any other device and then remove the battery.

1. Press the back cover release button (1), slide the back cover (2) and lift it off the phone.

2. Remove the battery by lifting it using the finger grip (3).
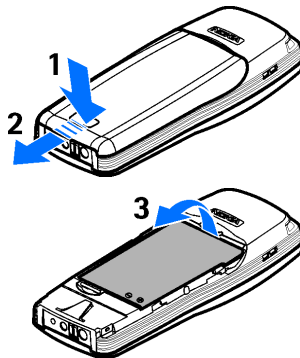
3. Lift the SIM card holder using the finger grip. Flip the holder open (4). Press the SIM card carefully into the SIM card slot (5). Make sure that the gold-colored connectors on the card are facing downwards and that the bevelled corner is on the right. Close the SIM card holder and press it to lock.

4   **5a**   **5b**
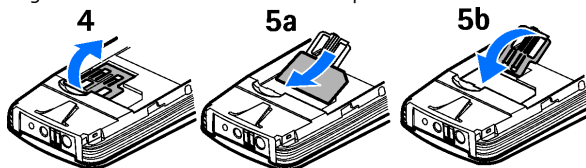
4. Align the gold-colored connectors on the battery with the corresponding connectors on the phone, and push the opposite end of the battery until it snaps into place (6).

6
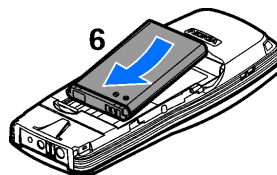
5. Align the bottom of the back cover with the bottom of the phone (7), press the top of the back cover to lock it into place (8).

7   **8**
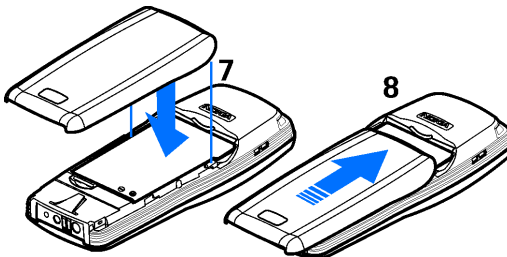
Charge the battery

Do not charge the battery if either of the phone covers has been removed.

1. Connect the lead from the charger to the base of the phone.

2. Connect the charger to an AC wall outlet. The battery indicator bar starts scrolling.

   - Charging a BL-5C battery with the ACP-7 charger takes up to 3 hours 30 minutes.

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

3. When the battery is fully charged, the bar stops scrolling. Disconnect the charger from the phone and the AC outlet.
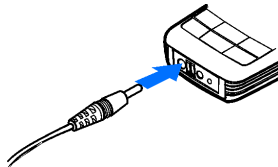
Normal operating position

Use the phone only in its normal operating position.

Your device has an external antenna.

Note: As with any other radio transmitting device, do not touch the antenna unnecessarily when the device is switched on. Contact with the antenna affects call quality and may cause the device to operate at a higher power level than otherwise needed.

Avoiding contact with the antenna area when operating the device optimizes the antenna performance and the battery life.
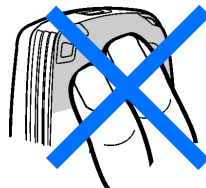
■ Keys and connectors
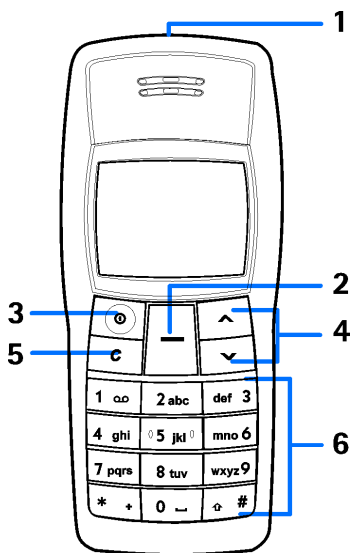
1. **Flashlight**

Your phone has a built-in lamp. See Flashlight on page 19.

2. **Navi key** ⌷

The function of the Nokia Navi key depends on the text shown above it. In this guide, the use of the Navi key is assumed with just the related guiding text displayed, e.g. **Menu** or **Select**.

3. **Power key** ⌷

Switches the phone on or off. When the keypad is locked, pressing the power key briefly turns the phone's display lights on for approximately 15 seconds.

4. **Scroll keys**

Enable scrolling through names, phone numbers, menus or settings.

Adjust the earpiece volume during a call. In standby mode, the scroll-up key ⌷ shows the list of last dialled numbers and the scroll-down key ⌷ shows the names and phone numbers saved in Contacts.

5. **The clear/exit key** `c`

   Deletes characters from the display and exits from different functions.

6. 0 - 9 enter numbers and characters.

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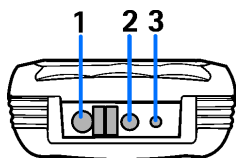
1. Charger connector

2. Headset connector

3. Microphone

■ Display and standby mode
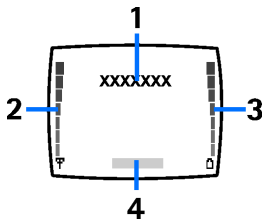
The indicators described below are shown when the phone is ready for use and no characters have been keyed in by the user. The screen is called 'standby mode'.

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

2. Shows the signal intensity of the cellular network at your current location.

3. Shows the battery charge level.

4. Shows the current function of the Navi key.

■ Change the covers

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

1. Remove the back cover of the phone and battery; see steps 1 and 2 in Insert a SIM card on page 13.

2. Remove the front cover carefully starting from the bottom of the phone (3).

3. Remove the keymat carefully (4). Press the new keymat into the new front cover starting from the top (5). Make sure that the new keymat is properly positioned (6).
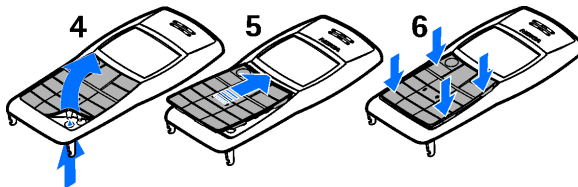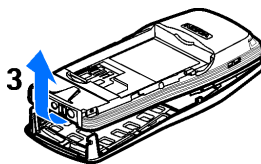
4. Align the top of the front cover with the top of the phone and press the front cover to lock it into place (7).
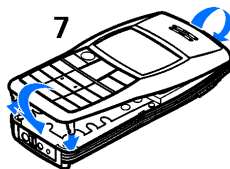
5. Insert the battery and replace the back cover. See steps 4 and 5 in Insert a SIM card on page 13.

■ Put on the wrist strap

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

■ Flashlight

Your phone has a built-in flashlight that you can use. Whenever the flashlight is activated, -🔦- is shown on the phone display.

To use the flashlight, you have the following options:

- In standby mode, press and hold the clear/exit key. The flashlight is off when you release the clear/exit key.

  Alternatively, to have the flashlight continuously on, press the clear/exit key twice to switch the flashlight on and once to switch it off.

- Select **Menu** > *Extras* > *Flashlight* and select **On** or **Off**.

- During a call, press the clear/exit key and select **Options** > *Flashlight on* or *Flashlight off*.

2. Call functions

■ Make a call

1. Key in the phone number including the area code.

   To make international phone calls: Add a "+" by pressing * twice, and add the country (or region) code in front of the area code (delete the leading 0 if necessary).

   Press the clear/exit key to delete the last entered digit.

2. Select **Call** to call the number. Press the scroll-up key to increase or the scroll-down key to decrease the volume of the earpiece or headset.

3. Select **End** to end the call (or to cancel the call attempt).

Make a call using the phone book

In standby mode, press the scroll-down key to find the name you want. Select **Call** to call the number.

Make a conference call

Conference call is a Network Service that allows up to four people to participate in the same call.

1. Make a call to the first participant. Key in the phone number or select it from the phone book and select **Call**.

2. To make a call to a new participant, press the clear/exit key and select **Options** > *New call*.

3. When the new call has been answered, add it to the conference call by pressing the clear/exit key and select **Options** > *Conference*.

4. To add another new participant to the call, repeat steps 1 to 3.

5. To end the conference call, select **End**.

Redial

To redial one of the last 10 phone numbers you have called or attempted to call, press the scroll-up key once in standby mode, scroll with the scroll-up key or the scroll-down key to the phone number or name you want, and select **Call**.

Speed dial

Select **Menu** > *Contacts* > *Speed dials*. Select the key you want, (Key 2 to Key 9) with the scroll key and select **Assign**. Select whether you want to assign to a call or an SMS. Select the name you want and **Select**.

After the phone number has been assigned to a number key, you can speed-dial the number in the following ways:

- Press the corresponding number key and then select **Call**, or

- If *Speed dialling* is set to "on", press and hold the corresponding number key until the call is started (see Call settings on page 40).

■ Answer a call

In standby mode, Select **Answer**. To divert or reject the call without answering, press the clear/exit key.

■ In-call operations

During a call, press the clear/exit key and select **Options** for some of the following functions, many of which are Network Services: *Mute* or *Unmute*, *Hold* or *Unhold*, *New call*, *Answer*, *Reject*, *End all calls*, *Send DTMF*, *Contacts*, *Swap*, *Menu*, and *Flashlight on* or *Flashlight off*.

■ Listen to voice messages

Voice mailbox is a Network Service. For more information and to receive your voice mailbox number, contact your service provider. To call your voice mailbox, press and hold 1 in standby mode. To change the voice mailbox number, see Voice mailbox number on page 34.

To divert calls to your voice mailbox, refer to Call settings on page 40.

■ Lock the keypad

The keypad lock prevents keys from being pressed accidentally.

To lock or unlock the keypad: In standby mode, select **Menu** and then * quickly.

You can also set the phone to automatically turn on the keylock after a certain period of time. Refer to Keyguard settings on page 43. When the keypad is locked, the indicator ▬◻ is shown on the display.

Note: When keypad is locked, calls are still possible to the emergency number programmed into your phone (e.g. 112 or other official emergency number). Key in the emergency number and select Call. The number is displayed only after you have keyed in its last digit.

3. Write text

You can key in text in two different ways, using the traditional text input, indicated with 🐾, or using another method called predictive text input indicated with 🐾.

■ Set predictive text input on or off

When writing text, select **Options** > *Dictionary*.

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

🔅 **Tip:** To quickly set the predictive text input on or off when writing text, press # twice.

■ Use predictive text input

Predictive text input is an easy way to write text.

The predictive text input is based on a built-in dictionary to which you can also add new words.

1. Key in the word you want by pressing each key once for one letter. The word changes after each keystroke. For example, to write 'Nokia' when the English dictionary is selected, press 6, 6, 5, 4, 2.

- To delete the character to the left of the cursor, press the clear/exit key. To clear the screen, press and hold the clear/exit key.

- To switch between upper and lower cases, or between traditional and predictive text input, press * repeatedly and check the indicator at the top of the display.

- To switch between letters and numbers, press and hold #.

- To get a list of special characters, press and hold *, select the character you want, and press **Use**.

- To insert a number, press and hold the number key you want. To insert several numbers, press and hold # and key in the numbers.

2. If the displayed word is the one you want, press 0 and start writing the next word.

- If you want to change the word, press * repeatedly until the word you want appears.

- If "?" is displayed after the word, the word is not in the dictionary. To add the word to the dictionary, select **Spell**, key in the word (traditional text input is used) and select **OK**.

Write compound words

Key in the first half of the word, press the scroll-down key, and then key in the second half.

■ Use traditional text input

Press the key marked with the letter that you want repeatedly until the letter appears.

Use the following functions to edit the text:

- To add a space, press 0.
- To add a punctuation mark or special character, press 1 repeatedly, or press *, select the desired character, and press Use.
- To move the cursor left or right, press the scroll-up or scroll-down keys respectively.
- To delete the character to the left of the cursor, press the clear/exit key. To clear the screen, press and hold this key.
- To switch between upper and lower case, press #.
- To add a number, press and hold the desired key. To switch between letters and numbers, press and hold #.
- To key in a letter which is on the same key as the previous one, press the scroll-down key or the scroll-up key (or wait until the cursor appears), and key in the new letter.

4. Menu functions

You can use the key features in the menus in the following ways:

By scrolling

1. Select **Menu** in standby mode.
2. Press the scroll-up key or the scroll-down key to scroll to the main menu you want, and **Select** to enter it. Press the clear/exit key to exit a main menu.
3. If the menu contains submenus, scroll to the one you want and **Select** to enter it. Press the clear/exit key to exit a submenu.

   If you do not want to save the changes you made to menu settings, press and hold the clear/exit key.

By shortcut

The menus, submenus and setting options are numbered. These numbers are called shortcut numbers.

In standby mode, select **Menu** and key in quickly, within three seconds, the shortcut number of the menu you want to access. Repeat this for submenus.

For example, if you want to activate *Call waiting service*, select **Menu** > 6 (for *Settings*) > 2 (for *Call settings*) > 4 (for *Call waiting service*) > 1 (for *Activate*).

Note that the shortcut number for *Messages* is 01.

■ Messages (Menu 01)

Write messages

You can write and send multi-part messages consisting of several ordinary text messages (Network Service). Invoicing may be based upon the number of ordinary messages that are needed for any multi-part message. 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. If you use special (Unicode) characters, such as Cyrillic characters, more parts may be needed for the message than would otherwise be required. Note that predictive text input may use Unicode characters.

To send a message, the phone number of your message centre has to be saved in the phone. See Message settings on page 33.

1. In standby mode, select **Menu** > *Messages* > *Write message*.

2. Key in the message. The number of available characters and the current part number are shown on the top right of the display.

3. When the message is complete, select **Options** > *Send*, key in the recipient's phone number, and select **OK**.

   If you want to send the message to several people, select *Sending opts* > *Send to many*, scroll to the first recipient, and select **Send**. Repeat this for each recipient.

   To send a message to a predefined distribution list, select *Sending opts* > *Send to list*. To define and edit distribution lists, see Distribution lists on page 31.

Other options are: *Insert options*, *Use template Small fonts* or *Large fonts*, *Clear text*, *Dictionary*, *Instructions*, *Exit editor*, *Sending profile* (refer to Message settings on page 33), *Save message*, *Delete* and *Dictionary*.

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.

Read a text message (Inbox)

When you have received text messages in standby mode, the number of new messages as well as a ▭ are shown on the display.

1. Select **Read** to view the messages immediately.

   To view the messages later, press the clear/exit key. Go to the *Inbox* menu (Menu 01-2) when you want to read the messages.

2. Use the scroll keys to browse through the message.

3. While reading the message, you can select **Options** for the following: *Delete*, *Reply*, *Chat*, *Edit*, *Use detail*, *Forward*, *As reminder*, *Small fonts* and *Details*.

Sent items

In the *Sent items* menu, you can view the copies of the messages that you have sent. Select **Options** for the following: *Delete*, *Edit*, *Use detail*, *Forward*, *As reminder*, *Small fonts* and *Details*.

Drafts

In the *Drafts* menu, you can view the messages you have saved in the *Write message* menu.

Chat

You can have a conversation with other people using this text message service. Each chat message is sent as a separate text message. The messages received and sent during a chat are not saved.

To start a chat, select **Menu** > *Messages* > *Chat*, or select **Options** > *Chat* when reading a received text message.

1. Key in the other person's phone number or recall it from the phone book, and select **OK**.

2. Key in your nickname for the chat, and select **OK**.

3. Key in your message, and select **Options** > *Send*.

4. The reply from the other person is displayed above the message you sent. To reply to the message, select **OK** and repeat step 3 above.

   When writing a message, you can select **Options** > *Chat name* to edit your nickname or > *Chat history* to view the previous messages.

Picture messages

You can receive and send messages that contain pictures (Network Service). Picture messages are saved in the phone. Note that each picture message

comprises several text messages. Therefore, sending one picture message may cost more than one text message.

> **Note:** This 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.

Receive a picture message

To view the message immediately, press **Show**. Press **Options** and you have the following options for the picture message: *Delete*, *Reply*, *Chat*, *Edit text*, *Save picture*, *As scr. saver*, *Use number*, *As reminder* and *Details*.

Distribution lists

If you need to send messages frequently to a fixed group of recipients, you can define a distribution list and use it when sending a message. You can define up to 6 distribution lists with up to 10 recipients in each. The phone sends a text message to each recipient separately.

To add a new distribution list, select **Menu** > *Messages* > *Distribution lists*. Select **Options** > *Add list*. Give the distribution list the name that you want and select **Options** > *View list*. To add a contact to the list, select **Options** > *Add contact*. You can add up to 10 recipients to one distribution list.

To view and edit distribution lists, select **Menu** > *Messages* > *Distribution lists*.

If a message fails to be sent to one or more recipients, a report listing the number of failures, successful sendings and names not found will be displayed. You can select each category by selecting **Select**.

- Names in the not found group are names in the distribution list that have been deleted from the phone book. You can remove them from the list by selecting *Remove*.
- *Resend* to resend the message to the failed recipients.
- *View* to view the list of failed recipients.

Templates

You can view or edit the preset messages ('templates') that you can use for writing a message.

Smileys

You can edit and store the smileys such as ":-)", and use them in compiling messages.

Delete messages

Select **Menu** > *Messages* > *Delete messages*.

To delete all read messages from all folders, select *All read* > **OK**. Select **OK** when *Delete read messages from all folders?* is subsequently displayed.

To delete all the read messages in a folder, scroll to the folder and select **OK**. Select **OK** when *Delete all read messages from folder?* is subsequently displayed.

Message settings

The phone offers two kinds of message settings: settings specific to each setting group ('set') and settings common to all text messages.

Profile 1 (Menu 1-11-1)[1]

A profile is a collection of settings needed for sending text and picture messages.

Each set has the following settings: *Message centre number*, *Messages sent as*, *Message validity* and *Rename sending profile*. You need the message centre number to send text and picture messages. You can obtain this number from your service provider.

Common (Menu 1-11-2)[2]

The settings in this submenu apply to all text messages that you send, irrespective of the chosen set. The available settings are: *Delivery reports*, *Reply via same centre* and *Character support*

Select *Character support* to define how the phone handles Unicode characters in text messages.[3]

If you select the *Full* option, the phone sends all the Unicode characters, such as 'á' and Cyrillic characters, included in a text message to a compatible phone, if supported by your network.

---

1. The total number of sets depends on how many sets your SIM card offers.
2. The shortcut number of this menu depends on the number of sets available. Here, it is assumed that only one set is available.
3. Availability of this menu may vary according to your service provider.

If you select the *Reduced* option, the phone tries to convert the Unicode characters into the corresponding non-Unicode characters, for example 'á' to 'a', and converts the lower case Greek characters into upper case. If no such non-Unicode counterpart exists, the characters are sent as Unicode characters.

Info service

With this Network Service, you can receive messages on various topics from the network. For details, contact your service provider.

Voice mailbox number

You can save and change the phone number of your voice mailbox (Network Service).

Service command editor

You can send service requests to your service provider. Key in the characters you want. Press and hold # to switch between letters and numbers. Select Send to send the request.

■ Contacts (Menu 2)

You can save names and phone numbers in the phone's memory (internal phone book) and in the SIM card´s memory (SIM phone book). The internal phone book can store up to 50 names.

Search for a name and phone number

In standby mode, select **Menu** > *Contacts* > *Search*. Key in the first character(s) of the name you are looking for and select **Search**. Press the scroll-up or scroll-down key to find the name you want.

If the name or phone number is saved in the SIM card memory, ▭ is shown at the upper right corner of the display; if it is saved in the phone's internal memory, ▤ is shown instead.

🔆 **QUICK SEARCH**: Press the scroll-down key in standby mode, key in the first letter of the name. Scroll with the scroll-up or scroll-down key to find the name you want.

You can also use the following options:

- *Service Nos.* to call the service numbers of your service provider if the numbers are included on your SIM card. (Network Service).
- *Info numbers* to call the information numbers of your service provider if the numbers are included on your SIM card. (Network Service).
- *Add contact* to save names and phone numbers in the phone book.
- *Delete* to delete names and phone numbers from the phone book one by one or all at once.
- *Edit* to edit the names and numbers in *Contacts*.
- *Copy* to copy names and phone numbers all at once or one by one from the phone´s memory to the SIM card´s memory, or vice versa.

- *Assign tone* to set the phone to play the ringing tone you want when you receive a call from a particular phone number. Select the phone number or name you want and select **Assign**. Note that this function only works when both the network and the phone are able to identify and send the caller´s identity.

- *Send phone no.* to send a person´s contact information as an Over The Air (OTA) message if supported by the network.

Settings for Contacts

In standby mode, select **Menu** > *Contacts* > *Settings*. Then select:

- *Memory in use*: to select whether the names and phone numbers are saved in *Phone* or *SIM card*. Note that when you change the SIM card, *SIM card* memory is automatically selected.

- *Contacts view*: to select how the names and phone numbers are shown, either *Name and no.* (one name and number at a time), or *Contacts list* (three names at a time).

- *Memory status*: to check how many names and phone numbers are already saved and how many can still be saved in each phone book.

■ Call register (Menu 3)

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

your calls. You can also view and adjust the settings of a prepaid SIM card (Network Service).

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

Recent call lists

When you select **Options** in the *Missed calls*, *Received calls* or *Dialled numbers* menu, you can view the time of the call, edit, view or call the registered phone number, add it to *Contacts*, or delete it from the list. You can also send a text message (*Send message*).

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.

- *Call duration*: Shows the approximate duration of your outgoing and incoming calls. You can reset these call timers by selecting *Clear timers*.
- *Call costs*: Shows the approximate cost of your last call or all calls in terms of units specified within the *Show costs in* function.
- *Call cost settings*: With *Call cost limit*, you can limit the call costs to the desired amount of charging units or units of currency (Network Service). With *Show costs in*, you can select the units in which the phone shows the remaining talk-time (contact your service provider for charging unit prices).

- *Prepaid credit*: When using a prepaid SIM card, you can make calls only when there are enough credit units on the SIM card (Network Service). Options: *Credit info display* (show or hide remaining units in standby mode), *Credit available* (amount of remaining units), *Last event costs* and *Recharge status*.

> **Note:** When no more charging units or currency units are left, calls may only be possible to the official emergency number programmed into the device.

■ Tones (Menu 4)

In this menu, you can change the settings of the currently selected profile and create ringing tones of your own. See Profiles (Menu 5) on page 39.

- *Ringing tone*: Sets the tone that you hear when you receive a call.
- *Ringing volume*: Sets the volume level for the ringing and message alert tones.
- *Incoming call alert*: Defines how the phone notifies you of incoming voice calls. For example, when *Off* is selected, the phone stays silent when you receive a call and ♣ is shown in standby mode.
- *Message alert tone*: Sets the tone that you hear when you receive a text message.
- *Keypad tones*: Sets the volume for keypad tones.
- *Warning tones*: Sets the phone to sound tones, e.g. when the battery is running out of power.
- *Vibrating alert*: Sets the phone to vibrate when you receive a call or a text message.

- *Rhythmic backlight alert*: Sets the backlights of the phone to flash in the rhythm of the selected ringing tone or message alert tone. The vibrator does not operate when the phone is connected to a charger or a desktop stand.

■ Profiles (Menu 5)

You can customize the phone tones for different events and environments. Initially, personalize the setting groups and profiles to your liking and then you only need to activate a profile to use it.

Activating a profile and changing its settings

In the Profiles menu, select the profile and select *Activate*.

To change the settings of the selected profile, select *Personalise* > *Ringing tone*, *Ringing volume*, *Incoming call alert*, *Message alert tone*, *Keypad tones*, *Warning tones*, *Vibrating alert*, *Rhythmic backlight alert*, *Screen saver*, or *Rename* (not available under *General*). Select the option you want and select **OK**.

You can also change the settings of the currently selected profile in *Tone settings*, see Tones (Menu 4) on page 38.

> **Tip: To activate a profile quickly in standby mode or during a call:** Press the power key quickly, scroll to the desired profile, and select **OK**.

■ Settings (Menu 6)

In this menu you can adjust various settings of the phone. You can also reset some menu settings to their default values by selecting *Restore factory settings*.

Time settings

Clock

To set the phone to show the current time in standby mode, adjust the time, and select the 12-hour or 24-hour time format. If the battery was removed from the phone, you may need to set the time again.

Date setting

To set the correct date. If the battery was removed from the phone, you may need to set the date again.

Auto update of date & time

This Network Service updates the date and time according to the current time zone. The automatic update of date and time does not change the time you have set for the alarm clock or the reminder notes. They are in local time. Updating may cause some alarms that you have set to expire.

Call settings

- *Call divert* To divert your incoming calls to your voice mailbox or to some other phone number (Network Service).

Select the divert option you want, for example, select *Divert if busy* to divert the calls when you are on a call or when you reject a call.

Several divert options may be active at the same time. When *Divert all voice calls* is activated, ⬛ is shown on the display in standby mode.

Set the selected option on (*Activate*) or off (*Cancel*), check whether the option is activated by selecting *Check status*, or specify a delay for certain diverts in *Set delay* (not available for all divert options).

- *Automatic redial*: To set your phone to make up to ten attempts to connect the call after an unsuccessful call attempt.

- *Speed dialling*: When speed dialling is on, you can dial the names and phone numbers assigned to the speed dial keys 2 to 9 by pressing and holding the corresponding key.

- *Call waiting service*: When this Network Service is activated, the network notifies you of a new incoming call while you have a call in progress. Select **Answer** to answer the waiting call. The first call is put on hold. Select **End** to end the active call.

- *Send my caller ID*: To set your phone number to be displayed (*On*) or hidden (*Off*) from the person you are calling (Network Service). When you select *Preset*, the setting agreed with your service provider is used.

- *Line for outgoing calls*: With this Network Service, you can select the phone line 1 or 2 for making calls, or prevent line selection, if supported by your SIM card.

Incoming calls can be answered no matter which line you select. However, you will not be able to make calls if you select line 2 without subscribing to this Network Service. When line 2 is selected, **"2"** is shown on the display in the standby mode.

Phone settings

Language: To select the language for the display texts.

Cell info display: To set the phone to indicate when it is used in a cellular network based on Micro Cellular Network (MCN) technology (Network Service). For more information, contact your service provider.

Welcome note: You can key in a message that will be shown briefly on the display when the phone is switched on.

Network selection: To set the phone to automatically select a cellular network available in your area, or you can select the network manually. The network you select must have a roaming agreement with your home network.

Confirm SIM service actions: To set the phone to show or hide confirmation messages when you use the SIM card services (see SIM services (Menu 11) on page 50).

Enhancement settings

Enhancement settings menu is shown only if the phone is or has been connected to an enhancement such as the headsets.

Select **Menu** > *Settings* > *Enhancement settings* > *Headset* or *Handsfree* .

- Select *Default profile* to select the profile the phone uses when the enhancement is connected.

- Select *Automatic answer* to set the phone to automatically answer an incoming call after five seconds. If the *Incoming call alert* is set to *Beep once* or *Off*, automatic answer will not be used.

- Select *Lights* to set the lights permanently *On*. Select *Automatic* to set the lights on for 15 seconds after a keypress. The *Lights* option is available only when *Handsfree* is selected.

Keyguard settings

You can set the keypad of your phone to lock automatically, *Automatic keyguard*, after a preset time delay when the phone is in standby mode and no function of the phone has been used. You can also use the Security keyguard to lock the keypad of the phone with a security code: *Keyguard code*.

- Select **Menu** > *Settings* > *Keyguard settings*. To activate the *Automatic keyguard*, select *On* and the phone displays *Set delay:*. Key in the time and select **OK**. You can set the time from 10 seconds to 60 minutes. To deactivate the automatic keyguard, select *Off*.

- Select **Menu** > *Settings* > *Keyguard settings* > *Keyguard code*. To activate the security keyguard, key in the security code and select **OK**. See Access codes on page 11. After you have selected *On*, the phone asks for the security code every time you select **Unlock**. To deactivate the security keyguard, select *Off*.

See also Lock the keypad on page 22.

Security settings

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

•*PIN code request*: You can set your phone to ask for the PIN code of the SIM card when the phone is switched on. Some SIM cards do not allow the turning off of this function.

- *Call barring service*: With this Network Service, you can restrict the making and receiving of calls with your phone. Select one of the barring options and set the option on (*Activate*) or off (*Cancel*) or check whether a service is activated (*Check status*).

- *Fixed dialling*: You can restrict your outgoing calls to selected phone numbers (Network Service).

- *Closed user group*: With this Network Service, you can specify a group of people whom you can call and who can call you.

- *Security level*: To set the phone to ask for the security code when a new SIM card is inserted in the phone, *Phone*, or when you select the phone's internal phone book, *Memory*.

  Note that when you change the security level, all the recent calls lists, including missed calls, received calls and dialled numbers, are cleared.

- *Change of access codes*: You can change the security code, PIN code, PIN2 code, or barring password. These codes can include the numbers 0 to 9 only.

Avoid using access codes similar to the emergency numbers, such as 112, to prevent accidental dialling of the emergency number.

Restore factory settings

To reset some of the menu settings to their original values. select **Menu**, select *Settings* > *Restore factory settings*. Key in the security code and select **OK**. The names and phone numbers saved in the phone book are not deleted.

■ Alarm clock (Menu 7)

You can set the alarm to sound at the time you want just once, or repeatedly, for example every working day.

Select **Menu** > *Alarm clock*. Key in the time for the alarm. When the alarm sounds, you can stop the alarm by pressing the clear/exit key. If you select **Snooze**, the alarm stops and rings again in 6 minutes.

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 the clear/exit key, the phone asks whether you want to activate the phone for calls. Press the clear/exit key to switch off the phone or select **Yes** to make and receive calls.

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

■ Reminders (Menu 8)

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

With this memory aid, you can save short text notes with an alarm. The alarm is activated when the set date and time is reached.

You can select the following options: *Add new*, *View all*, *Delete*, *Edit* or *Send* to add a new reminder, view, edit or send the existing reminders and delete the reminders one by one or all at once.

When the reminder time is reached, you can stop the alarm by pressing the clear/exit key. If you select **Snooze**, the phone alarms again in 10 minutes.

■ Games (Menu 9)

The phone offers you some games to play. Each game is provided with a brief help text.

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

Adjust common game settings

Select *Settings*. You can set the sounds, lights and vibrations (*Shakes*) for the game. Note that when *Warning tones* is off, there may be no sound even if *Game sounds* is on, and when *Vibrating alert* is off, the phone does not vibrate even if *Shakes* is on.

■ Extras (Menu 10)

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

Calculator

The phone is provided with a calculator that can also be used for rough currency conversions.

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

In standby mode, select **Menu** > *Extras* > *Calculator*.

Make a calculation

- The keys 0 to 9 insert a digit. # inserts a decimal point. Press the clear/exit key to delete the last digit. To change the sign, select **Options** > *Change sign*.
- Press * once for "+", twice for "-", three times for "*" and four times for "/".
- To get the result, select **Options** > *Equals*. Press and hold to clear the display for a new calculation.

Make a currency conversion

To save the exchange rate, select **Options** > *Exchange rate* > *Foreign unit expressed in domestic units* or *Domestic unit expressed in foreign units*, key in the value (press # for a decimal point), and select **OK**.

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

Stopwatch

The stopwatch can be used for time measurement, for example in different sports. Select **Menu** > *Extras* > *Stopwatch*.

Select **Start** to commence timing. To take the time, select **Stop**. When the timing is stopped, you can select **Options** for *Start*, *Reset* or *Exit*. If you select *Start*, timing continues from the previous stop time. *Reset* stops the current timing and sets the time to zero.

To set the timing to continue in the background, press and hold the clear/exit key twice. While the time is running, $\square$ is flashing in standby mode.

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.

Countdown timer

You can set the alarm to sound after a period of lapsed time.

Select **Menu** > *Extras* > *Countdown timer*. Key in the alarm time and select **OK**. You can also key in a note for the alarm, change the time and stop the timer.

When the timer is running, $\square$ is shown in standby mode.

When the alarm time is reached, the phone sounds a tone and flashes the related text. Press any key to stop the alarm.

Composer

You can create your own ringing tones. Select the tone that you want to edit and key in the notes. For example, press 4 for note **f**.

8 shortens (-) and 9 lengthens (+) the duration of the note or rest. 0 inserts a rest. * sets the octave. # makes the note sharp (not available for notes **e** and **b**). The scroll-up and scroll-down keys move the cursor left or right. Press the clear/exit key to delete a note or rest to the left of the cursor.

When the tone is complete, select **Options** > *Play*, *Save*, *Tempo*, *Clear screen* or *Exit*

Screen saver

You can select a picture to be activated on the phone display after a certain length of time: *Time-out*. Select **Menu** > *Extras* > *Screen saver*. Select the picture and the timeout after which the screen saver will be activated. Note that the screen saver overrides all the graphics and texts on the display in standby mode.

Flashlight

See Flashlight on page 19.

■ SIM services (Menu 11)

This menu is shown only if your SIM card provides additional services. The name and contents of this menu depend on the services available.

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

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

■ WAP services (Services – Menu 12)

In this menu you can use WAP (Wireless Application Protocol) services, such as online games, that are specifically designed for mobile phones and maintained by WAP service providers.

To access this menu: select **Menu** (in standby mode) > *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.

Note that WAP pages use Wireless Mark-up Language (WML). Web pages using the HyperText Mark-up Language (HTML) cannot be viewed on your phone.

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

Basic steps for using a WAP service

1. Obtain and save the connection settings for the WAP service you want to use. See Set up the phone for a WAP service.

2. Make a connection to the WAP service, see page 53.

3. Browse the pages of the WAP service, see page 54.

4. End the connection to the WAP service, see page 56.

Set up the phone for a WAP service

You may obtain the connection settings as a text message from the network operator or service provider that offers the WAP service you want to use. Contact your network operator or service provider, or visit Club Nokia at www.nokia.com/clubnokia.

You can also key in the settings manually.

Save the settings received as a text message

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

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

- To view the settings before saving them, select **Options** > *Show*. Select **Save** to save the settings or **Back** to return to the options list.

Key in the connection settings

For appropriate WAP settings, contact your network operator or service provider. The settings may be available on their Web site.

1. Select *Services* > *Settings* > *Conn. settings*.

2. Scroll to a set of connection settings that you want to edit.

3. Select **Options** > *Edit*.

4. Change the following settings one by one. **Make all the appropriate settings**.

   - *Homepage*: key in the homepage address of the WAP service you want to use (press 1 for a dot), and select **OK**.

   - *Session mode*: select *Permanent* or *Temporary*.

   - *Connection security*: select *On* or *Off*.

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

   - *Data bearer*: check that *GSM data* is selected. For pricing, connection speed and other information, contact your network operator or service provider.

   - *Dial-up number*: key in the number and select **OK**.

   - *IP address*: key in the address (press * for a dot) and select **OK**.

   - *Authentication type*: select *Normal* or *Secure*.

   - *Data call type*: select *Analogue* or *ISDN*.

   - *User name*: key in the user name (press 1 for a dot) and press **OK**.

   - *Password*: key in the password and select **OK**. Repeat this to confirm the password.

5. Once you have made all the appropriate settings, you can change the name of the setting set. Press the clear/exit key and then select **Options** > *Rename*. Key in the name and select **OK**.

The settings are now saved and you can make a connection to the WAP service, see page 53.

Send WAP settings

You can send your WAP settings to a compatible phone.

1. In the *Services* menu, select *Settings* > *Conn. settings*.

2. Scroll to the set of connection settings that you want to send.

3. Select **Options** > *Send settings*.

4. Key in the recipient's phone number and select **OK**.

The user name and password are not sent.

Make a connection to a WAP service

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

Select *Services* > *Settings* > *Conn. settings*. Scroll to the setting set you want to use and select **Options** > *Activate*.

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

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

- Open the homepage of the WAP service. Select *Services* > *Home*.

- Start the connection in standby mode. When you have not keyed in any characters on the display, press and hold 0.

- Select the bookmark of the WAP service. Select *Services* > *Bookmarks*, scroll to the desired bookmark, and select **Options** > *Go to*.

  If the bookmark does not work (*Check service settings* may be displayed), change the active set of connection settings and try again.

- Enter the address of the WAP service. Select *Services* > *Go to address*, key in the address (press * for special characters) and select **OK**.

  Note that it is not necessary to add the prefix http:// in front of the address since it will be added automatically. If you are using a protocol other than http, add the appropriate prefix.

Browse the pages of a WAP service

Once you have established a connection to the WAP service, you can start browsing its WAP pages.

The function of the phone keys may vary in different WAP services. Follow the text guides on the display. For more information, contact your WAP service provider.

General guidelines for using the keys

- Use the scroll-up and scroll-down keys to browse the WAP page and highlight the desired item. The item can be, for example, underlined text (a 'link').
- Press the Navi key to select a highlighted item.
- Press the clear/exit key to return to the WAP page that you viewed previously.

- Press 0 to 9 to enter letters and numbers and * to enter special characters.
- Select **Options** for the following options. All options may not be available at the same time. The service provider may also offer other options.

  Home: takes you back to the homepage of the WAP service.

  Reload: refreshes the WAP page.

  Open link: selects a link or any other highlighted item on the WAP page.

  View image: you can scroll a still picture or an animated picture that cannot be displayed entirely. Press the scroll-up or scroll-down keys (or 2 or 8) to scroll the picture up or down. Press 4 or 6 to scroll the picture left or right. Press **Options** for *View next*, *View previous* or *Save image*. With *Save image* you can save pictures for using them in picture messages or as screensavers, and animated pictures for using them as screensavers. If the picture is too large for picture messages and screensavers, move the box shown over the picture to select the area that you want to save, and **Select**.

  Appear. sett.: you can wrap the text lines and hide the images on the WAP page. See also page 56.

  Bookmarks: you can manage bookmarks, for example, save the current WAP page as a bookmark. See page 57.

  Service inbox: shows the list of service messages, see Service inbox on page 57.

  Use number: copies a number from the current WAP page for saving or calling, and ends the call.

  Go to address: you can make a connection to the desired WAP page. Key in the WAP address (press 1 for a dot) and select **OK**.

Clear the cache: empties the cache memory of the phone (see also page 58).

Security info: shows whether the connection is secure.

Quit: quits browsing and ends the call.

End a WAP connection

When you are using a WAP service, select **Options** > *Quit*. When *Quit browsing?* is shown, select **Yes**.

The phone ends the call and closes the WAP connection.

Appearance settings of WAP pages

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

   • Select **Menu** (in standby mode) > *Services*, *Settings* and *Appearance settings*.

   When a WAP connection is in progress

   • Select **Options** > *Appear. sett.*.

2. Select *Text wrapping* or *Show images*.

3. Select *On* or *Off* for *Text wrapping* and *Yes* or *No* for *Show images*.

   When *Text wrapping* is set to *On*, the text continues on the next line if it cannot be shown on one line.

   When *Show images* is set to *No*, none of the pictures on the WAP page are shown. This may speed up the browsing of WAP pages that contain a lot of pictures.

Save and manage bookmarks

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

   - Select **Menu** (in standby mode) > *Services* > *Bookmarks*.

   When a WAP connection is in progress

   - Select **Options** > *Bookmarks*.

2. Scroll to the desired bookmark and select **Options**. If you want to save a new bookmark, you can select any bookmark.

3. Select *Go to*, *Edit*, *Delete*, *Send bookmark* or *Add bookmark* or *Save bookmark* (available during a WAP connection).

   - Select *Go to* to open the WAP page associated with the bookmark.
   - Select *Send bookmark* to send the bookmark to a compatible phone.
   - Select *Add bookmark* to key in and save a bookmark or *Save bookmark* to save the current WAP page as a bookmark.

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

Service inbox

The phone can receive service messages ('pushed messages') from your service provider. These messages can contain, for example, a list of news headlines and the address of a WAP service that offers the news.

Set the phone to receive service messages

Select **Menu** (in standby mode) > *Services*, *Settings*, *Service inbox settings*, *Service messages* or *On*.

View a received service message

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

   When you receive a service message, *1 service message received* is displayed. To view the message immediately, select **View**.

   To view the message later, select **Exit**. When you want to view the message, select **Menu** (in standby mode) > *Services* > *Service inbox*.

   When a WAP connection is in progress

   Select **Options** > *Service inbox*.

2. Scroll to the message you want, press **Options** and select *Retrieve*, *Details* or *Delete*.

   • Select *Retrieve* to download the content indicated by the service message.

Empty the cache memory

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

To empty the cache memory:

- When no WAP connection is in progress: select **Menu** > *Services* > *Clear the cache*.
- When a WAP connection is in progress: select **Options** > *Clear the cache*.

Authority certificates

In order to use some WAP services such as banking services, you need an authority certificate. Using the certificate can help you to improve the security of connections between your phone and a WAP gateway or WAP server, if the *Connection security* option is set to *On*.

You can download the certificate from a WAP page if the WAP service supports the use of security certificates. After the download, you can view the certificate and then save or delete it. If you save the certificate, it is added to the list of certificates in the phone.

You can only be sure that a WAP gateway or WAP server is the one it claims to be after its identity has been checked against the corresponding certificate in the phone.

You will see a note on the phone display if the identity of the WAP server or WAP gateway cannot be verified, the WAP server or WAP gateway certificate is not authentic or if you do not have the right certificate in your phone.

To view the list of security certificates:
Select *Services* > *Settings* > *Authority certificates*.

Security icon

If the security icon 🔒 is displayed during a WAP connection, the data transmission between the phone and the WAP gateway or WAP server, identified by the *IP address* setting in *Conn. settings*, is encrypted and secure.

However, the security icon does not indicate that the data transmission between the gateway and the content server (place 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.

5. Battery information

■ Charging and Discharging

Your device is powered by a rechargeable battery. The full performance of a new battery 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 talk and standby times are noticeably shorter than normal, buy a new battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

Unplug the charger from the electrical plug and the device when not in use. Do not leave the battery connected to a charger. Overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge 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 that is damaged.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery. (These look like metal strips on the battery.) This might happen, 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 device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

Do not dispose of batteries in a fire! Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

Care and maintenance

Your device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you protect your warranty coverage.

- 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 device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use a soft, clean, dry cloth to clean any lenses (such as camera, proximity sensor, and light sensor lenses).
- Use only the supplied or an approved replacement antenna. Unauthorised antennas, modifications, or attachments could damage the device 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.

Additional 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 device when its use is prohibited or when it may cause interference or danger. Use the device only in its normal operating positions. To maintain compliance with radio frequency exposure guidelines only use enhancements approved by Nokia for use with this device. When the device is on and being worn on the body, always use an approved holder or carrying case.

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

■ Medical devices

Operation of any radio transmitting equipment, including wireless 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 device 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.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 in. (15.3 cm) be maintained between a 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 device more than 6 in. (15.3 cm) from their pacemaker when the device is switched on;
- not carry the device in a breast pocket; and
- hold the device to the ear opposite the pacemaker to minimize the potential for interference.

If you have any reason to suspect that interference is taking place, switch off your device immediately.

Hearing aids

Some digital wireless devices may interfere with some hearing aids. If interference occurs, consult your service provider.

■ Potentially explosive environments

Switch off your device when in any area with a potentially explosive atmosphere and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch off the device at refuelling points such as near gas pumps at service stations. Observe restrictions on the use of radio

equipment in fuel depots, 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 liquefied petroleum gas (such as propane or butane), and areas where the air contains chemicals or particles such as grain, dust or metal powders.

■ Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection systems, electronic antiskid (antilock) braking systems, electronic speed control systems, air bag systems. For more information, check with the manufacturer or its representative of your vehicle or any equipment that has been added.

Only qualified personnel should service the device, or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the device. Check regularly that all wireless device 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 device, its parts, or enhancements. For vehicles equipped with an air bag, remember that air bags inflate with great force. Do not place objects, including 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 device while flying in aircraft is prohibited. Switch off your device before boarding an aircraft. The use of wireless teledevices in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network, and may be illegal.

■ Emergency calls

Important:

Wireless phones, including this device, operate using radio signals, wireless networks, landline networks, and user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.

To make an emergency call:

1. If the device 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 device.

2. Select **End** as many times as needed to clear the display and ready the device for calls.

3. Key in the official emergency number for your present location. Emergency numbers vary by location.

4. Select **Call**.

If certain features are in use, you may first need to turn those features off before you can make an emergency call. If the device is in offline or flight mode you must change the profile to activate the phone function before you can make an emergency call. Consult this guide or your service provider for more information.

When making an emergency call, give all the necessary information as accurately as possible. Your wireless device may be the only means of communication at the scene of an accident. Do not end 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 frequency (RF) recommended by international

guidelines (ICNIRP). These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies.   The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile 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 0.67 W/kg.

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 1.5 cm away from the body. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the product at least 1.5 cm away from your body.

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.