Nokia 6030 user guide

Contents

FOR YOUR SAFETY

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

SWITCH ON SAFELY
Do not switch the phone on 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 the 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.

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

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

BACK-UP COPIES
Remember to make back-up 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.

EMERGENCY CALLS
Ensure the phone is switched on and in service. Press ⏻ as many times as needed to clear the display and return to the start screen. Key in the emergency number, then press 📞. Give your location. Do not end the call until given permission to do so.

■ About your device

The wireless device described in this guide is approved for use on the EGSM 900 and GSM1800 network. Contact your service provider for more information about networks.

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

When taking and using images, obey all laws and respect local customs as well as privacy and legitimate rights of others.

Warning: To use any features in this device, other than the alarm clock, the device must be switched on. Do not switch the device on when wireless device use may cause interference or danger.

■ 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. Your device may also have been specially configured. This configuration may include changes in menu names, menu order and icons. Contact your service provider for more information.

This device supports WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols. Some features of this device, such as text messages, multimedia messages and content and application download require network support for these technologies.

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General information

■ Access codes

Security code

The security code helps to protect your phone against unauthorized use. It has 5 to 10 digits. 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," p. 57.

If you enter an incorrect security code five times in succession, the phone ignores further entries of the code. Wait for 5 minutes and enter the code again.

PIN and PIN2 codes

- The PIN (Personal Identification Number) code, supplied with your SIM card, helps to protect your SIM card against unauthorized use. They have 4 to 8 digits. See "Security settings," p. 57.
- The PIN2 code may be supplied with the SIM card and is required to access some functions, such as call counters.
- The module PIN is required to access the information in the security module of your SIM card. See "Security module," p. 74.
- The signing PIN is required for the digital signature.
  See "Digital signature," p. 76.

PUK and PUK2 codes

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. They have 8 digits.

Barring password

The barring password is required when using the *Call barring service*. See "Security settings," p. 57. It has 4 digits.

If the codes or passwords are not supplied with the SIM card, contact your local service provider.

■ Download content and applications (network service)

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

Your device may have some bookmarks loaded for sites not affiliated with Nokia. Nokia does not warrant or endorse these sites. If you choose to access them, you should take the same precautions, for security or content, as you would with any Internet site.

■ Nokia support on the Web

Check< www.nokia.com/support> or your local Nokia Web site for the latest version of this guide, additional information, downloads, and services related to your Nokia product.

1. Get started

■ Install the SIM card and the battery

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

For availability and information on using SIM card services, contact your SIM card vendor. This may be the service provider, network operator, or other vendor.

Always switch the device off and disconnect the charger before removing the battery.

Note: Always switch off the power and disconnect the charger and any other device before removing the covers. Avoid touching electronic components while changing the covers. Always store and use the device with the covers attached.

1. To remove the back cover of the phone:

   Press and push the back cover to slide the back cover toward the bottom of the phone, then take the cover off from the phone.

2. Remove the battery by lifting it as shown.
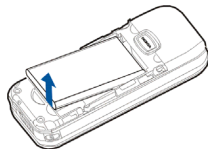
3. Carefully lift the SIM card holder from the finger grip of the phone, and open the flip cover.
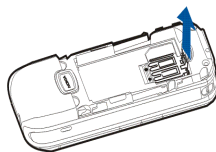
4. Insert the SIM card, so that the bevelled corner is on the upper right side and the golden contact is facing downward. Close the SIM card holder and press it to lock it into place.
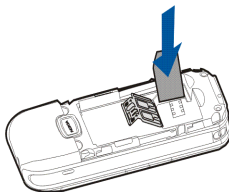
5. Insert the battery into the battery slot.
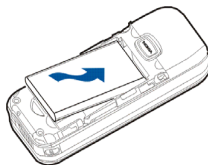
6. Align the back cover with the back of the phone and slide it upwards. Push the back cover up to the top of the phone to lock it.
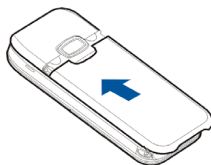
■ Charge the battery

Warning: Use only batteries, chargers, and enhancements approved by Nokia for use with this particular model. The use of any other types may invalidate any approval or warranty, and may be dangerous.

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from ACP-7and ACP-12 chargers. This device is intended to use battery of BL-5C.

1. Connect the charger to an ac wall socket. If the battery is completely discharged, it may take a few minutes before the charging indicator appears on the display or before any calls can be made.

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

The charging time depends on the charger and the battery used.

For availability of approved enhancements, please check with your dealer. When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.
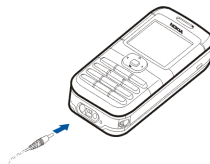
■ Switch the phone on and off

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 as shown.

If the phone asks for a PIN or security code, enter the code supplied with your SIM card (displayed as ****), and select OK.

See also "Access codes," p. 13.

■ Normal operating position

Your device has an internal antenna.
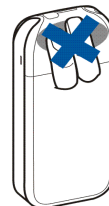
Note: As with any other radio transmitting device, do not touch the antenna unnecessarily when the device is switched on. Contact with the antenna affects call quality and may cause the device to operate at a higher power level than otherwise needed. Avoiding contact with the antenna area when operating the device optimizes the antenna performance and the battery life.

2. Your phone

■ Keys and connectors

Warning: The 4-way navigation keys in this device may contain nickel. It is not intended to come into prolonged contact with the skin. Continuous exposure to nickel on the skin may lead to nickel allergy.

- Power key(1)
- Earpiece (2)
- Loudspeaker (3)
- Left, right and middle selection keys (4)
- 4-way navigation keys (5)
- Call key (6) dials a phone number, and answers a call. In standby mode, it shows the list of the most recently called numbers.
- End key (7) ends an active call, or exit from any functions
- Number keys 0 - 9 enter numbers and characters.
  * and # are used for various purposes in different functions.
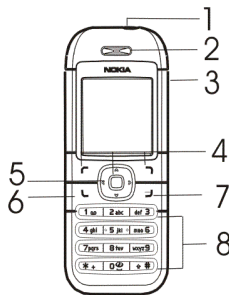
- Charger connector (9)
- Bottom connector (10)
- Headset connector (11)
- Eyelet for the wrist strap (12)

> **Note:** Do not touch this connector as it is sensitive for electrostatic discharge.
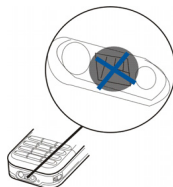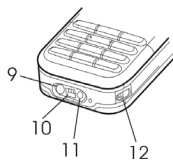
■ Standby mode

When the phone is ready for use, before you key in any characters, the phone is in the standby mode. The following information is displayed on the screen:

- Name of the network or the operator logo (1)
- Signal strength of the cellular network at your current location (2)
- Battery charge level (3)
- The left selection key (4) in the standby mode is **Go to**
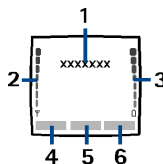
  Select **Go to** to view the functions in your personal shortcut list. Select **Options** > *Select options* to view the list of available functions that you can add in the options list. Scroll to the desired function

and select **Mark** to add the function to the shortcut list. To remove a function
from the list, select **Unmark**. To rearrange the functions on your shortcut list.
Select the function *Organise* > **Move**, then choose the location.

- **Menu** (5)
- **Names** (6)

Wallpaper

You can display a background picture, wallpaper, when the phone is in the
standby mode. See "Display settings," p. 51.

Screen saver

You can set your phone to display a screen saver, when the phone is in the standby
mode. See "Display settings," p. 51.

Power saving

To save power, a digital clock view overwrites the display when no
phone function is used for a certain period of time. If you have not
set the time, 00:00 is displayed. See "Display settings," p. 51.

Essential indicators

☑ You received one or more text, picture, or multimedia messages. See "Read and reply to messages," p. 33 or "Read and reply to a multimedia message," p. 37.

➹ The phone registered a missed call. See "Call register," p. 43.

🔒 The phone keypad is locked. See "Keypad lock (Keyguard)," p. 23.

✻ The phone does not ring for an incoming call or message when *Incoming call alert* and *Message alert tone* are set to *Off*. See "Tone settings," p. 50.

✦ The alarm clock is set to *On*. See "Alarm clock," p. 62.

G When the GPRS connection mode *Always online* is selected and the GPRS service is available, the indicator is shown on the top left of the display. See "GPRS connection," p. 55.

G When the GPRS connection is established, the indicator is shown on the top left of the display. See "GPRS connection," p. 55 and "Browse the service pages," p. 69.

G The GPRS connection is suspended (on hold).

◀)) The loudspeaker is activated. See "Options during a call (network service)," p. 26.

■ Keypad lock (Keyguard)

You can lock the keypad to prevent the keys from being accidentally pressed.

Select **Menu** > * within 1.5 seconds to lock or unlock the keypad. To answer a call when the keyguard is on, press the call key. During a call, the phone operates normally. When you end or reject the call, the keypad remains locked. For *Automatic keyguard*, see "Phone settings," p. 53.

When the keypad lock is on, calls still may be possible to the official emergency number programmed into your device.

■ Change the covers

Note: Always switch off the power and disconnect the charger and any other device before removing the covers. Avoid touching electronic components while changing the covers. Always store and use the device with the covers attached.

1. Remove the back cover. See step1 of "Install the SIM card and the battery," p. 15.

2. Lift the top cover by the finger grips.

3. Take off the front cover carefully.

4. Remove the keymat from the front cover, and insert it into the new front cover.

5. Align the top of the front cover to the top of the phone, press the front cover to lock it into place.

6. Replace the back cover.
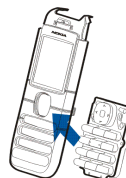
3. Call functions

■ Make a call

1. Enter the phone number, including the area code. If you enter an incorrect character, press **Clear** to delete it.

   For international calls, press * twice for the international prefix, and then enter the country code, the area code, and the phone number.

2. Press the call key to call the number.

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

To search for a name or phone number that you have saved in *Contacts*, see "Search for a contact," p. 45. Press the call key to call the number.

Last number redial

In the standby mode, press the call key once to access the list of numbers you last called. Scroll to the number or name that you want, and press the call key to call the number.

Call your voice mailbox (network service)

In the standby mode, press and hold 1, or press 1 and the call key.

If the phone asks for the voice mailbox number, enter it and select **OK**. See also "Voice messages (network service)," p. 39.

Speed dial a phone number

Assign a phone number to one of the speed-dialing keys, from 2 to 9, see "Speed dials," p. 48. Call the number in either of the following ways:

- Select the speed-dialing key that you want then select the call key.
- If *Speed dialling* is set to on, press and hold a speed-dialing key until the call is started. See "Call settings," p. 52.

■ Answer or reject a call

Press the call key to answer an incoming call and press the end key to end the call.

Press the end key to reject an incoming call. If you press **Silence**, only the ringing tone is muted. Then either answer or reject the call.

Call waiting (network service)

During a call, press the call key to answer the waiting call. The first call is put on hold. Press the end key to end the active call. To activate the *Call waiting* function, see "Call settings," p. 52.

■ Options during a call (network service)

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

> **Warning:** Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

4. Enter text

You can enter text using traditional or predictive text input.

When you enter text, predictive text input is indicated by ◢◣ and traditional text input by ◥◤ at the top left of the display. The character case is indicated by **Abc**, **abc**, or **ABC**. You can change the character case by pressing #. The number mode is indicated by **123**, and you can change between the letter and number mode by pressing and holding #.

■ Set predictive text input on or off

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

To set predictive text input on, select a language in the dictionary options list. Predictive text input is only available for the languages on the list.

When writing text, press **Options** > *Dictionary off*.

■ Use Predictive text input

You can enter any letter with a single key press. Predictive text input is based on a built-in dictionary to which you can add new words.

1. Press key once for each letter. The word changes after each keystroke.

   Example: To write Nokia when the English dictionary is selected, press 6, 6, 5, 4, 2.

For more instructions on writing text, see "Tips for writing text," p. 29.

2. When you finish the word and it is correct, press 0 to confirm the word and add a space. Pressing the navigation keys also move the cursor.

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

   If the ? character is displayed after the word, your word is not in the dictionary. To add the word to the dictionary, select **Spell**, enter the word (in traditional input) and select **Save**. When the dictionary is full, the new word replaces the oldest one that was added.

3. Write the next word.

Write compound words

Enter the first part of the word and press the right navigation key, then write the last part of the word.

■ Traditional text input

Press a number key 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 you selected, see "Phone settings," p. 53.

If the next letter you want is located on the same key, wait until the cursor appears, then enter the letter.

The most common punctuation marks and special characters are available with *.

■ Tips for writing text

The following functions may also be available for writing text:

- To insert a space, press 0.

- Press the navigation keys to move the cursor.

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

- 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, select **Options** > *Clear text*.

- To quickly set predictive text input on or off when writing text, press and hold **Options**.

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

- To insert a special character when using traditional text input, press *, or when using predictive text input, press and hold *, or select **Options** > *Insert symbol*. Select the character and **Use**.

- To insert a smile icon when using traditional text input, press * twice, or when using predictive text input, press and hold * and press * again, or select **Options** > *Insert smiley*. Select a smiley and press **Use**.

The following options are available when writing text messages:

- To insert a number while in letter mode, select **Options** > *Insert number*. Enter the phone number or search for it in *Contacts* and press **OK**.

- To insert a name, select *Contacts* > **Options** >*Insert contact*. To insert a phone number or a text item attached to the name, select **Options** > *View details*.

5. Menu functions

The phone offers you an extensive range of functions, which are grouped into menus.

■ Access a menu function

1. To access the menu, select **Menu**.

2. Use the navigation keys to scroll through the menu. To change the menu view, see *Menu view* in "Display settings," p. 51.

3. If the menu contains submenus, select the one that you want, for example *Call settings*.

4. Select **Back** to return to the previous menu level, and **Exit** to close the menu.

■ Messages

The message services can only be used if they are supported by your network or your service provider.

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

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

Text messages (SMS)

Using the short message service (SMS) your phone can send and receive multipart messages, which consist of several ordinary text messages (network service). Invoicing may be based on the number of ordinary messages that are required for a multipart message.

Before you can send a message, you need to save some message settings. See "Settings for text messages," p. 41.

You can also send and receive text messages that contain pictures. A picture message can be a multipart message.

Note: Only devices that offer picture message features can receive and display picture messages.

Write and send messages

Your device supports the sending of text messages beyond the normal 160-character limit. If your message exceeds 160 characters, it will be sent as a series of two or more messages. The number of available characters / the current part number of a multipart message are shown on the top right of the display, for example 120/2. Note that using special (Unicode) characters take up more space.

1. Select **Menu** > *Messages* > *Create message* > *Text message*.

2. Enter a message. See "Enter text," p. 27. To insert text templates or a picture into the message, see "Templates," p. 35.

3. To send the message, select **Send**.

   The messages that you send are saved in the *Sent items* folder if the setting *Save sent messages* is set to *Yes*. See "Settings for text messages," p. 41.

4. Enter the recipient's phone number or search for the phone number in *Contacts*. Select **OK** to send the message.

Options for sending a message
After you have written a message, select **Options** > *Sending options*. With *Send to many* you can send the message to several recipients. With *Sending profile* you can use a predefined message profile to send the message. To define a message profile, see "Settings for text messages," p. 41.

Your device supports the sending of text messages beyond the character limit for a single message. Longer messages will be sent as a series of two or more messages. Your service provider may charge accordingly. Characters that use accents or other marks, and characters from some language options like Chinese, take up more space limiting the number of characters that can be sent in a single message.

Read and reply to messages
When you receive a message, the indicator ✉ and the number of new messages followed by *messages received* are shown.

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

1. Select **Show** to view the new message, or select **Exit** to view it later.

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

2. While you are reading a message, select **Options** and select an option, such as delete, forward, or edit the message, rename the message you are reading or to move it to another folder.

   Copy to calendar — to copy text at the beginning of the message to your phone's calendar as a reminder note for the current day.

   Message details — to view, if available, the sender's name and phone number, the message centre used, and the date and time of receipt.

   Use detail — to extract numbers, e-mail addresses and Web site addresses from the current message.

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

3. Select **Reply** and the message type to reply to a message.

   When you reply to an SMS e-mail, confirm or edit the e-mail address and subject first. Then write your reply message.

4. To send the message, select **Send** > **OK**.

Inbox and sent items
The phone saves incoming text and multimedia messages in the *Inbox* folder. Sent text messages are saved in the *Sent items* folder if the *Save sent messages* is set to *yes*. See "Settings for text messages," p. 41.

Templates

Your phone includes text templates, indicated by ▤ , and picture templates, indicated by ▢ .

To access the template list, select **Menu** > *Messages* > *Saved items* > *Text messages* > *Templates*.

- To insert a text template into the message, select **Options** > *Use template*, select the template that you want to insert.

- To insert a picture into the text message, select **Options** > *Insert picture*, select a picture and **Insert**. The number of characters that you can enter in a message depends on the size of the picture.

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

Saved items and My folders

To organize your messages, you can move some of them to the *Saved items* folder, or add new folders for your messages. While reading a message, select **Options**.

To add or delete a folder, select **Menu** > *Messages* > *Saved items* > *Text messages*, and *My folders*. To delete a folder, scroll to the folder, select **Options** > *Delete folder*.

Multimedia messages (MMS) (network service)

Note: Only devices that have compatible features can receive and display multimedia messages. The appearance of a message may vary depending on the receiving device.

The wireless network may limit the size of MMS messages. If the inserted picture exceeds this limit, the device may make it smaller so that it can be sent by MMS.

A multimedia message can contain text, sound, and a picture. The phone supports multimedia messages that are up to 100 KB in size. If the message contains a picture, the phone scales it down to fit the display area.

You can not receive any multimedia messages if you have a call in progress, or a game or another Java application running. Because delivery of multimedia messages can fail for a variety of reasons, do not rely solely upon them for essential communications.

Write and send a multimedia message

To define the settings for multimedia messaging, see "Settings for multimedia messages," p. 41. To check availability and to subscribe to the multimedia messaging service, contact your network operator or service provider.

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

1. Select **Menu** > *Messages* > *Create message* > *Multimedia msg.*

2. Enter a message. See "Enter text," p. 27.

   - To insert a file in the message, select **Options** > *Insert* and select the desired option.

   - Your phone supports the sending and receiving of multimedia messages that contain several pages (slides). To insert a slide in the message, select **Options** > *Insert* > *Slide*. Each slide can contain text and one image.

If the message contains several slides, you can open the desired one by selecting **Options** > *Previous slide*, *Next slide* or *Slide list*. To set the interval between the slides, select *Slide timing*.

3. To send the message, select **Send** > *Phone number*, *Send to e-mail*, or *Send to many*.

4. Enter the recipient's phone number or e-mail address or search for it in *Contacts*.

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

The messages that you send are saved in the *Sent items* folder if the setting *Save sent messages* is set to *Yes*. See "Settings for multimedia messages," p. 41. Multimedia messages are indicated with ▧.

Read and reply to a multimedia message

Important: Exercise caution when opening messages. Multimedia message objects may contain malicious software or otherwise be harmful to your device or PC.

When your phone is receiving a multimedia message, ⧉ is displayed. When the message has been received, ▢ and *Multimedia message received* are shown.

The appearance of a multimedia message may vary depending on the receiving device.

1. Select **Show** to view the message, or select **Exit** to view it later.

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

2. The function of the middle key changes according to the currently displayed attachment in the message.

   To view the whole message if the received message contains a presentation, select **Play**.

   To zoom in on an image, select **Zoom**. To view a business card or calendar note or to open a theme object, select **Open**.

3. To reply to the message, select **Options** > *Reply* > *Text message*, *Multimedia msg.*, or *Flash message*. Enter the reply message, and select **Send**.

   Select **Options** to access available options.

Inbox, Outbox, Saved and Sent items folders
The phone saves the received multimedia messages in the *Inbox* folder. Multimedia messages that have not yet been sent are moved to the *Outbox* folder. The multimedia messages that you wish to send later can be saved in the *Saved items* folder. The multimedia messages that you send are saved in the *Sent items* folder if the setting *Save sent messages* is set to *Yes*. See "Settings for multimedia messages," p. 41.

Multimedia messages memory full
When you have a new multimedia message waiting and the memory for the messages is full, ✉ blinks and *Multimedia memory full. View waiting msg.* is shown. To view the waiting message, select **Show**. To save the message, select **Options** > *Save message* and delete old messages by first selecting the old

message to be deleted. To discard the waiting message, select **Exit** and **Yes**. If you select **No**, you can view the message.

Flash messages (network service)

Flash messages are text messages that are instantly displayed.

Write a flash message

Select **Menu** > *Messages* > *Create message* > *Flash message*. Write your message. The maximum length of a flash message is 70 characters. To insert blinking text into the message, select *Insert blink char.* from the options list to set a marker. The text behind the marker blinks until a second marker is inserted.

> **Note:** Only devices that offer compatible flash message features can receive and display blinking flash messages.

Receive a flash message

A received flash message is not automatically saved. To read the message, select **Read**. Select **Options** > *Use detail* to extract phone numbers, e-mail addresses and Web site addresses from the current message. To save the message, select **Save** and the folder in which you want to save the message.

Voice messages (network service)

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

Select **Menu** > *Messages* > *Voice messages*. To call your voice mailbox, select *Listen to voice messages*. To enter, search for, or edit your voice mailbox number, select *Voice mailbox number*.

If supported by the network, the indicator ▢▢ will show new voice messages. Select **Listen** to call your voice mailbox number.

🔅 **Tip:** Pressing and holding 1 calls your voice mailbox if you have the number set.

Info messages (network service)

With the info message network service, you may be able to receive messages on various topics. For details, contact your service provider.

Service commands

Select **Menu** > *Messages* > *Service commands*. Enter and send service requests (also known as USSD commands), such as activation commands for network services, to your service provider.

Delete all messages from a folder

To delete all messages from a folder, select **Menu** > *Messages* > *Delete messages*. Select the folder from which you want to delete the messages, and select **OK** to confirm the query.

If the folder contains unread messages, the phone will ask whether you want to delete them also.

Message settings

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

Settings for text messages

Select **Menu** > *Messages* > *Message settings*> *Text messages*. Select *Sending profile*. Your SIM card supports more than one message profile set, select the set that you want to change. Each profile set has the following settings: *Message centre number* (delivered by your service provider), *Messages sent via*, *Message validity*, *Default recipient number*, *Delivery reports*, *Use packet data*, *Reply via same centre* (network service) and *Rename sending profile* (not available for the default profile).

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

Select *Automatic resending* > *on* or *Off* to activate or deactivate resending messages when the messages were failure to be sent out.

Settings for multimedia messages

Select **Menu** > *Messages* > *Message settings* > *Multimedia msgs.* Define the settings for the options:

- *Save sent messages*. Select *Yes* to set the phone to save sent multimedia messages in the *Sent items* folder. If you select *No*, the sent messages are not saved.
- *Delivery reports* sets the network to send delivery reports about your messages (network service).

- *Scale image down* defines the image size when you insert the image into the multimedia message.
- *Default slide timing* defines the default time for slides in multimedia messages.
- *Allow multimedia reception*. Select *No*, *Yes*, or *In home network* to use the multimedia service. 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. The default setting to receive multimedia messages is generally on.
- *Incoming multimedia messages*. Select *Retrieve* to automatically allow the reception of multimedia messages, *Retrieve manually* to allow the reception of multimedia message only after being prompted, or *Reject* to prevent the reception of multimedia messages.
- *Configuration settings*. Select *Configuration* and select the default service provider for retrieving multimedia messages. Select *Account* to see the accounts provided by the service provider. If more than one account is displayed, a choose the one that you want to use. You may receive the settings as a configuration message from the service provider. To enter the settings manually, see "Configuration settings," p. 56.
- *Allow adverts* to choose if you allow the reception of messages defined as advertisements. This setting is not shown if *Allow multimedia reception* is set to *No*.

Common settings

Select **Menu** > *Messages* > *Message settings* > *Other settings* > *Font size* to select the font size for reading and writing messages.

■ Call register

The phone registers the phone numbers of missed, received, and dialed calls, and the approximate length of your calls. (network service)

The phone registers these items only if the network supports these functions, and the phone is switched on and within the network service area.

When you select **Options** in the *Missed calls*, *Received calls*, and *Dialled numbers* menus, you can 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. Select *Clear recent call lists* to delete the recent calls lists.

Recent calls lists

Select **Menu** > *Call register* and the appropriate list.

Missed calls displays the list of phone numbers from which somebody has tried to call you (network service). The number in front of the name or phone number indicates the amount of calls from that caller.

☼ **Tip:** When a note about missed calls is displayed, select **List** to access the list of phone numbers. Scroll to the number that you would like to call back and press the call key.

Received calls displays the list of recently accepted or rejected calls (network service).

Dialled numbers displays the list of recently called.

💡 **Tip:** In the standby mode, press the call key once to access the list of dialed numbers. Scroll to the number or name that you want, and press the call key to call the number.

Clear recent call lists deletes the recent calls lists. Select whether you want to delete all the phone numbers, or only the numbers in a specific list. You cannot undo this operation.

Counters and 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.

Select **Menu** > *Call register* and *Call duration*, *Packet data counter*, or *Packet data connection timer* for approximate information on your recent communications.

Positioning information (network service)

Some networks allow position requests. *Positioning* allows you to view the received position requests from the network operator. Contact your network operator or service provider to subscribe to and agree upon the delivery of location information.

Select **Menu** > *Call register* > *Positioning*:

Select *Position log* to see a list of received position requests.

■ Contacts

You can save names and phone numbers (Contacts) in the phone memory and in the SIM card memory.

The phone memory may save contacts with numbers and text items.

Names and numbers saved in the SIM card memory, are indicated by 🗐.

Search for a contact

Select **Menu** > *Contacts* > *Names* > *Options* > *Search*. Scroll through the list of contacts or enter the first letter of the name you are searching for.

Save names and phone numbers

Names and numbers are saved in the used memory. Select **Menu** > *Contacts* > *Names* > **Options** > *Add new contact*. Enter the name and the phone number.

Add more details to names

In the phone memory for contacts you can save different types of phone numbers, and short text items per name.

The first number you save is automatically set as the default number, and it has a frame around the number type indicator. When you select a name, 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*.

2. Scroll to the name which you want to add a new number or text item, and select **Details** > **Options** > *Add detail*.

3. To add a number, select *Number* and one of the number types.

   To change the number type, scroll to the desired number, and select **Options** > *Change type*. To set the selected number as the default number, select *Set as default*.

   To add another detail, select a text type from *E-mail address*, *Web address*, *Postal address*, and *Note*.

4. Enter the number or text item; to save it, select **OK**.

5. To return to the standby mode, select **Back** > **Exit**.

Copy contacts

Search for the contact you want to copy, and select **Options** > *Copy*. You can copy names and phone numbers to and from the phone contact memory to and from the SIM card memory. The SIM card memory can save names with one phone number attached to them.

Edit contact details

Search for the contact you want to edit, select **Details**, and scroll to the desired name, number or text item.

To edit a name, number, or text item, select **Options** > *Edit name*, *Edit number*, or *Edit detail*.

Delete contacts or contact details

To delete all the contacts and the details attached to them from the phone or SIM card memory, select **Menu** > *Contacts* > *Delete all contacts* > *From phone mem.*, or *From SIM card*. Confirm the change with the security code.

To delete a contact, search for the desired contact, and select **Options** > *Delete*.

To delete a number, or text attached to the contact, search for the contact, and select **Details**. Scroll to the desired detail, and select **Options** > *Delete* > *Delete number*, or *Delete detail*.

Business cards

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

To send a business card, search for the contact whose information you want to send, and select **Options** > *Send bus. card* > *Via multimedia* or *Via text message*.

When you receive a business card, select **Show** > **Save** to save the business card in the phone memory. To discard the business card, select **Exit** > **Yes**.

Settings

Select **Menu** > *Contacts* > *Settings*, and select from the following options: *Memory in use* to select SIM card or phone memory for your contacts. To recall names and number from both memories, select *Phone and SIM*. In that case, the names and numbers will be saved in the phone memory. To select how the names

and numbers in contacts are displayed, select *Contacts view*. To view the free and used memory capacity, select *Memory status*.

Groups

Select **Menu** > *Contacts* > *Caller groups* to arrange the names and phone numbers saved in the memory into caller groups with different ringing tones.

Speed dials

To assign a number to a speed-dialing key, select **Menu** > *Contacts* > *Speed dials*, and scroll to the speed-dialing number that you want.

Select *Assign*, or if a number has already been assigned to the key, select **Options** > *Change*. Select **Search**, then the number you want to assign. If the *Speed dialling* function is off, the phone asks whether you want to activate it. See also *Speed dialling* in "Call settings," p. 52.

To make a call using the speed-dialing keys, see "Speed dial a phone number," p. 26.

Other Contact functions

Select **Menu** > *Contacts*, and the following functions may be available:

- *Info numbers* — to call the information numbers of your service provider if the numbers are included on your SIM card (network service).

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

- *My numbers* — to view the phone numbers assigned to your SIM card, if the numbers are included on your SIM card (network service).

■ Settings

Profiles

Your phone has various setting groups, profiles, for which you can customize the ringing tones for different events and environments. Personalize the profiles to your own liking and activate a profile to use it. Available profiles are *General*, *Silent*, *Meeting*, *Outdoor*, *My style 1*, and *My style 2*.

Select **Menu** > *Settings* > *Profiles*. Scroll to a profile, and press **Select**.

- To activate the selected profile, select *Activate*.
- To personalize the profile, select *Personalise*. Select the setting you want to change, and make the changes.
- To set the profile to be active until a certain time up to 24 hours, select *Timed* and set the time for the profile setting to end. When the time expires, the previous profile that was not timed becomes active.

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

Themes

A theme is a package that may include a screen saver, a wallpaper graphic, a ringing tone and a color scheme to customize your phone for different events and environments. Themes are stored in *Gallery*.

Select **Menu** > *Settings* > *Themes*. To activate a theme, select *Select theme* > *Themes*. Open the folder and select a theme. See "Gallery," p. 59. To download new themes, select *Theme downloads*. See "Download (network service)," p. 72.

Tone settings

You can change the settings of the selected active profile.

Select **Menu** > *Settings* > *Tone settings*, and change any of these options: *Incoming call alert*, *Ringing tone*, *Ringing volume*, *Vibrating alert*, *Message alert tone*, *Keypad tones*, and *Warning tones*. You can find the same settings in the *Profiles* menu, see "Profiles," p. 49.

Select *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 to select or choose *All calls* > **Mark**.

Personal shortcuts

With personal shortcuts you get quick access to frequently used phone functions.

Right selection key

Select **Menu** > *Settings* > *Personal shortcuts* > *Right selection key* to allocate one phone function from a predefined list to the right selection key. See also "Standby mode," p. 20. This menu is not shown in some operator variants.

Navigation key

Select **Menu** > *Settings* > *Personal shortcuts* > *Navigation key* to select shortcut functions for the navigation key. Scroll to the desired navigation key, select **Change** and a function from the list. To remove a shortcut function from the key, select *(empty)*. To reassign a function for the key, select **Assign**.

Display settings

Select **Menu** > *Settings* > *Display settings*. You can define these settings:

- Select *Wallpaper* to set your phone to display a background image, known as wallpaper, when the phone is in the standby mode.
- Select *Screen saver* > *Image* to choose a graphic from *Gallery*. Select in *Time-out* the time after which the screen saver will be activated. Select *On* to activate the screen saver.
- Select *Power saver* > *On* to save some battery power. A digital clock is displayed when no function of the phone is used for a certain time. See "Power saving," p. 21.
- Select *Colour schemes* to change the color in some display components, for example indicators and signal and battery bars.
- Select *Menu view* to set the way the phone displays the main menu.

- Select *Operator logo* to set your phone to display or hide the operator logo.
- Select *Display Contrast* to adjust the display contrast level. Scroll left or right to decrease or increase the contrast level.

Time and date settings

Select **Menu** > *Settings* > *Time and date settings*.

Select *Clock* to show the clock in the standby mode, adjust the clock, and select the time zone and the time format.

Select *Date* to show the date in the standby mode, set the date, and select the date format and date separator.

Select *Auto-update of date & time* (network service) to set the phone to automatically update the time and date according to the current time zone.

Call settings

Select **Menu** > *Settings* > *Call settings* and one of the options:

- *Call divert* (network service) to divert your incoming calls. For details, contact your service provider
- *Anykey answer* > *On* to answer an incoming call by briefly pressing any key, except the power key, the selection keys, and the end key
- *Automatic redial* > *On* to make ten attempts to connect the call after an unsuccessful attempt

- *Speed dialling* > *On* to assign to the speed-dialing keys, 2-9, to be dialed by pressing and holding the corresponding number key.
- *Call waiting* > *Activate* so that the network will notify you of an incoming call while you have a call in progress (network service). See "Call waiting (network service)," p. 26.
- *Summary after call* > *On* and the phone will briefly display the approximate duration and cost (network service) of the call after each call.
- *Send my caller ID* (network service) > select *Yes* or *Set by network*.
- *Line for outgoing calls* (network service) to select phone line 1 or 2 for making calls. This option is only shown if supported by your SIM card.

Phone settings

Select **Menu** >*Settings* > *Phone settings* and one of the options:

- *Phone language* to set the display language of your phone. If you select *Automatic* the phone selects the language according to the information on the SIM card.
- *Memory status* to view how much memory is available in the phone memory.
- *Automatic keyguard* to set the keypad to lock automatically after a preset time delay when the phone is in the standby mode and no function of the phone has been used. Select *On*, and you can set the time from 5 seconds to 60 minutes.

  When the keyguard is on, calls still may be possible to the official emergency number. Enter the emergency number and press the call key.

- *Security keyguard* to set the phone to ask for the security code when you unlock the keyguard. Enter the security code, and select *On*.
- *Cell info display*> *On* to receive information from the network about the network cell used (network service).
- *Welcome note* > enter the note you would like to be shown briefly when the phone is switched on. To save the note, select **Save**.
- *Operator selection* > *Automatic*, to have the phone automatically select one of the cellular networks available in your area. With *Manual*, you can select a network that has a roaming agreement with your home network operator (network service).
- *Confirm SIM service actions*. See "SIM services," p. 77.
- *Help text activation* to set the phone to show or hide the help texts.
- *Start-up tone* to set the phone to play or not to play a start-up tone when the phone is switched on.

Connectivity

GPRS (network service)
General Packet Radio Service (GPRS) 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, browsing, and Java application downloading.

Before you can use GPRS technology, contact your network operator or service provider for availability of and subscription to the GPRS service. Save the GPRS settings for each of the applications used over GPRS. For information on pricing, contact your network operator or service provider.

GPRS connection

Select **Menu** > *Settings* > *Connectivity* > *Packet data* > *Packet data connection*.

- Select *Always online* to set the phone to automatically register to an GPRS network when you switch the phone on.

- Select *When needed*, and the GPRS registration and connection are established when an application using GPRS needs it and closed when you end the application.

Enhancement settings

The enhancement settings menu is shown only if the phone is or has been connected to a compatible mobile enhancement.

Select **Menu** > *Settings* > *Enhancement settings*. You can select an enhancement menu if the corresponding enhancement is or has been connected to the phone. Depending on the enhancement, you can select some of the following options:

- *Default profile* to select the profile that you want to be automatically activated when you connect to 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 5 seconds. If the *Incoming call alert* is set to *Beep once* or *Off*, automatic answer will not be in use.
- *Use text phone* > *Yes* to use the text phone settings instead of headset or loopset settings.
- *Ignition detector* > *On* to automatically switch off the phone approximately 20 seconds after you have switched off the car ignition, when the phone is connected to the full car kit.

Configuration settings

Some of the network services need to have the correct configuration settings on your phone. Get the settings from your SIM-card, a service provider as a configuration message, or enter your personal settings manually. Configuration settings from up to ten different service providers can be stored in the phone and can be managed within this menu.

Select **Menu** > *Settings* > *Configuration settings*. Select

- *Default configuration settings* to view the list of service providers stored on the phone (the default service provider is highlighted) and to select another service provider as default. Scroll to a provider and select **Details** to view the list with supported applications. To delete a service provider from the list, select **Options** > *Delete*.
- *Activate default in all applications* to set the applications to use the settings from the default service provider.

- *Preferred access point* to select another access point. Normally the access point from your preferred network operator is to be used.
- *Connect to service provider support* to download the configuration settings from your service provider.

Enter the settings manually

To enter, view, and edit the settings manually, select **Menu** > *Settings* > *Configuration settings* > *Personal configuration settings*.

To add a new configuration, select **Add new** or select **Options** > *Add new*. Choose one of the application types from the list, and enter all the necessary settings. To activate the settings, select **Options** > *Activate*.

To view or to edit the user-defined settings, select the application that you want to view, and select the setting to edit.

Security settings

When security features that restrict calls are in use, such as call barring, closed user group and fixed dialing calls still may be possible to the official emergency number programmed into your device.

Select **Menu** > *Settings* > *Security settings*.

- *PIN code request* to set the phone to request 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.

Call barring and call diverting cannot be active at the same time.

When calls are barred, calls still may be possible to certain official emergency numbers.

- *Fixed dialling* to restrict your outgoing calls to selected phone numbers if this function is supported by your SIM card.

  When fixed dialing is activated, calls still may be possible to the official emergency number programmed into your device.

- *Closed user group* (network service) to specify the group of people whom you can call and who can call you.

  When calls are limited to closed user groups, calls still may be possible to the official emergency number programmed into your device.

- *Security level*. Select *Phone*, and the phone will request the security code whenever a new SIM card is inserted into the phone.

  Select *Memory*, and the phone will request the security code when the SIM card memory is selected and you want to change the memory in use.

- *Access codes* to change the security code, PIN code, PIN2 code, or barring password.

- *Code in use* to specify whether the UPIN or PIN code should be active.

Restore factory settings

To reset some of the menu settings to their original values, select **Menu** > *Settings* > *Restore factory settings*.

■ Operator menu

This menu lets you access a portal to services provided by your network operator. This menu is operator specific. The name and the icon depend on the operator. For more information, contact your network operator.

The operator can update this menu with a service message. For more information, see .

■ Gallery

In this menu, you can manage themes, graphics, and tones. These files are arranged in folders.

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

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

1. Select **Menu** > *Gallery*. A list of folders is shown. *Themes*, *Graphics*, *Tones* and *Receiv. files* are the original folders on the phone.

2. Scroll to the desired folder, and select **Open** to view a list of files in the folder or select **Options**, and one of the options may be available:

   Downloads, *Delete folder*, *Move*, *Rename folder*, *Downloads*, *Details*, *Type of view*, *Sort*, *Add folder*, *Memory status*, and *Activation key list*.

3. If you have opened a folder, select the file that you want to view and select **Open**.

   Select and open a file, or select **Options** and use one of the following functions that may be available for the selected file:

   Downloads, *Delete*, *Send*, *Edit image*, *Move*, *Rename*, *Set as wallpaper*, *Set as s. saver*, *Set as ring tone*, *Apply theme*, *Details*, *Type of view*, *Sort*, *Delete all*, *Open in sequence*, *Add folder*, *Memory status*, and *Activation key list*.

4. All received files from OTA service will be automatically saved into *Receiv. files* folder. You may view or launch the received files from here. The received files can be *Gallery files*, *Bookmarks* or *Applications*.

■ Radio

The FM radio depends on an antenna other than the wireless device antenna. A compatible headset or enhancement needs to be attached to the device for the FM radio to function properly.

Warning: Listen to music at a moderate level. Continuous exposure to high volume may damage your hearing. Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

Listen to the radio

1. Select **Menu** > *Radio*. The channel location number, the name of the radio channel (if you have saved the channel), and the frequency of the radio channel are displayed.
2. If you have already saved radio channels, scroll up or down to the channel you would like to listen to.

   You can also select a radio channel location by briefly pressing the corresponding number keys.

Tune a radio channel

1. When the radio is one, select ◄◄ or ►► to change the radio frequency in 0.05 MHz steps, or select and hold ◄◄ or ►► to start the channel search. Searching stops when a channel is found.
2. To save the channel to a memory location 1-9, press and hold the corresponding number key.

   To save the channel in the memory location from 10- 20, press briefly **1** or **2**, then press and hold the desired number key **0** - **9**.
3. Enter the name of the channel, and select **OK**.

Basic radio functions

When the radio is on:

- To turn off the radio, select **Options** > *Switch off*.

- To adjust the volume of the radio, select *Volume*.

- To save the radio channel you have found, select **Options** > *Save channel*. See "Tune a radio channel," p. 61. You can save up to 20 radio channels.

- To select the list of saved channels, select **Options** > *Channels*. To delete or rename a channel, scroll to the desired channel, and select **Options** > *Delete channel* or *Rename*.

- To enter the frequency of the desired radio channel, select **Options** > *Set frequency*.

- To listen to the radio using the loudspeaker or headset, select **Options** > *Loudspeaker* or *Headset*. Keep the headset connected to the phone. The lead of the headset functions as the radio antenna.

You can normally make a call or answer an incoming call while listening to the radio. During the call, the volume of the radio is muted.

When an application using an GPRS connection is sending or receiving data, it may interfere with the radio.

■ Organiser

Alarm clock

You can set the phone to sound an alarm at a desired time. Select **Menu** > *Organiser* > *Alarm clock*.

To set the alarm, select *Alarm time*, and enter the alarm time. To change the alarm time when the alarm time is set, select *On*. Select *Repeat alarm* to set the phone to alert you on selected days of the week.

Select *Alarm tone* and select the default alarm tone, personalize the alarm tone by selecting one from the ringing tone list or from Gallery.

To set the time-out for the snooze alert, select *Snooze time-out* and the time.

When the alarm time expires
The phone will sound an alert tone, and flash *Alarm!* and the current time on the display, even if the phone was switched off. Select **Stop** to stop the alarm. If you let the phone continue to sound the alarm for a minute or select **Snooze**, the alarm stops for about 10 minutes then resumes.

If the alarm time is reached while the device is switched off, the device switches itself on and starts sounding the alarm tone. If you select **Stop**, the device asks whether you want to activate the device for calls. Select **No** to switch off the device or **Yes** to make and receive calls. Do not select **Yes** when wireless phone use may cause interference or danger.

Calendar
Select **Menu** > *Organiser* > *Calendar*.

The current day is indicated by a frame. If there are any notes set for the day, the day is in bold type. To view the day notes, select **View**. To view a single note, select **View**.

Other options for the calendar view may be options for creating a note, for deleting, editing, moving and repeating a note, and for copying a note to another

day, or for sending a note directly to another compatible phone calendar, as a text message or a multimedia message. In *Settings* you can set the date, time, time zone, date or time format, or the first day of the week. In *Auto-delete notes* you can set the phone to delete old notes automatically after a specified time.

To delete all notes in the calendar, select the month, select **Options** > *Delete all notes*.

Make a calendar note

Select **Menu** > *Organiser* > *Calendar*. Scroll to the date you want, select **Options** > *Make a note*. Select one of the following note types: *Meeting*, *Call*, *Birthday*, *Memo* or *Reminder*.

Alarm 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 the call key. To stop the alarm and to view the note, select **View**. Select **Snooze** and the phone sounds an alarm again after 10 minutes. To stop the alarm without viewing the note, select **Exit**.

Calculator

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

Note: This calculator has limited accuracy and is designed for simple calculations.

Select **Menu** > *Organiser* > *Calculator*. When 0 is displayed on the screen, enter the first number in the calculation, press # for a decimal point. Select **Options** > *Add*, *Subtract*, *Multiply*, *Divide*, *Square*, *Square root* or *Change sign*.

Enter the second number. To get the answer, select **Equals**. To start a new calculation, first press and hold **Clear**.

Perform a currency conversion

Select **Menu** > *Organiser* > *Calculator*. To save the exchange rate, select **Options** > *Exchange rate*. Select either of the displayed options. Key in the exchange rate, press # for a decimal point, and select **OK**. The exchange rate remains in the memory until you replace it with another one. To perform the currency conversion, key in the amount to be converted, select **Options** > *In domestic* or *In foreign*.

Note: When you change base currency, you must enter the new rates because all previously set exchange rates are set to zero.

■ Applications

Games and applications

Your phone software may include some games and Java applications specially designed for this Nokia phone.

Launching a game or an application
Select **Menu** > *Applications* > *Games*, or *Collection*. Scroll to a game or an application and select **Open**.

The following options may be available for games and applications:

- *Delete* to delete the game or application from the phone

- *Move* to move the game or application to the other folder

- *Details* to give additional information about the game or application.
- *Update version* to check whether a new version is available for download from the services (network service)
- *Web page* to provide further information or additional data from an Internet page. This feature needs to be supported by the network.
- *App. access* to restrict the game or application from accessing the network to prevent you from accruing unexpected costs. Select in each category, if available, one of the following permissions: *Ask every time*, *Ask first time only*, *Always allowed*, *Not allowed*

Game and application downloads

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

Select **Menu** > *Applications* > *Options* > *Downloads* >*Game downloads* or *App. downloads*. The list of available bookmarks is shown. Select *More bookmarks* to access the list of bookmarks in the *Web* menu, see "Bookmarks," p. 71.

Select a bookmark to connect to the desired service. For the availability of different services, pricing and tariffs, contact your service provider.

> **Important:** Only install applications from sources that offer adequate protection against harmful software.

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

Game settings

Select **Menu** > *Applications* > *Options* > *App. settings* to set sounds, lights and shakes for games.

Memory status for games and applications

To view the amount of memory available for game and application installations, select **Menu** > *Applications* > *Options* > *Memory status*.

■ Web

Important: Use only services that you trust and that offer adequate security and protection against harmful software.

You can access various mobile Internet services with your phone browser.

Check the availability of these services, pricing, and tariffs with your network operator or the service provider.

With your phone browser, you can view the services that use Wireless Mark-Up Language (WML) or extensible HyperText Mark-up Language (XHTML) on their pages. Appearance may vary due to screen size. Note that you may not be able to view all the details of the Internet pages.

Access services

1. Save the service settings that are required to access the service that you want to use. See .

2. Make a connection to the given service. See "Service connection," p. 68.

3. Browse the pages of the service. See "Browse the service pages," p. 69.

4. Once you are finished browsing, end the connection to the service. See "Disconnect from a service," p. 70.

Setting up for a service

Your phone may have stored some service settings. You can get additional settings as a configuration message from the service provider that offers the service. To receive the service settings as a configuration message, see "Configuration settings," p. 56.

For more information and for the appropriate settings, contact your service provider.

Service connection

Make sure that the service settings of the service you want to use are activated. To activate the settings, select **Menu** > *Web* > *Settings* > *Configuration settings*. Select *Configuration* and the configuration set you want to activate.

Make a connection to the service in one of these ways:

- Open the start page, for example, the home page of the service provider, select **Menu** > *Web* > *Home*, or in the standby mode press and hold 0.

- Select a bookmark of the service: select **Menu** > *Web* > *Bookmarks*, and a bookmark. If the bookmark does not work with the current active service settings, activate another set of service settings and try again.

- Select the last URL: select **Menu** > *Web* > *Last web addr.*
- Enter the address of the service: select **Menu** > *Web* > *Go to address*. Enter the address of the service and select **OK**.

Browse the service pages

After you connect to the service, you can browse 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 ⒼMacro 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 an GPRS connection, the indicator ⒼMacro will be shown on the top left of the display to indicate that the GPRS connection is suspended (on hold). After a call, the phone tries to reconnect the GPRS connection.

While you are browsing, options such as Shortcuts, Home and Bookmarks may be available. The service provider may offer additional option.

Select **Options** and the following options may be available. The service provider may also offer other options. Select *Shortcuts*, *Home*, *Add bookmark*, *Bookmarks*, *History*, *Downloads*, *Save to folder*, *Other options*, *Reload*, *Quit*.

A cache is a memory location that is used to store data temporarily. If you have tried to access or have accessed confidential information requiring passwords, empty the cache after each use. The information or services you have accessed is stored in the cache. To empty the cache, see "Cache memory," p. 73.

Direct calling

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

Disconnect from a service

To quit browsing and to end the connection, select **Options** > *Quit*. When *Quit browsing?* is shown, select **Yes**.

Alternatively, press the end key twice, or press and hold the end key.

Browser appearance settings

While you are browsing, select **Options** > *Other options* > *Appear. settings*, or in the standby mode, select **Menu** > *Web* > *Settings* > *Appearance settings*, and select one of these options:

- *Text wrapping*. Select *On* and the text continues on the next line. If you select *Off*, the text will be abbreviated.
- Select *Font size* and choose a size.
- *Show images*. Select *No*, and any pictures appearing on the page are not shown.
- *Alerts*. Select *Alert for unsecure connection* > *Yes* to set the phone to alert when a secure connection changes to an insecure one during browsing. Select *Alert for unsecure items* > *Yes* to set the phone to alert when a secure page

contains an insecure item. These alerts do not guarantee a secure connection. For more information, see "Browser security," p. 74.

- *Character encoding*. Select the character set for showing browser pages that do not include that information or to select whether to always use UTF-8 encoding when sending a Web address to a compatible phone.

Cookies

A cookie is data that a site saves in your phone browser cache memory. The data can be your user information or your browsing preferences. Cookies are saved until you clear the cache memory, see "Cache memory," p. 73.

While you are browsing, select **Options** > *Other options* > *Security* > *Cookie settings*. In the standby mode, select **Menu** > *Web* > *Settings* > *Security settings* > *Cookies*. Select *Allow* or *Reject* to allow or prevent the phone from receiving cookies.

Bookmarks

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

1. While you are browsing, select **Options** > *Bookmarks*,

   or in the standby mode, select **Menu** > *Web* > *Bookmarks*.

2. Scroll to the bookmark that you want to use and select it to make a connection to the page associated with the bookmark.

   You can also select **Options** to view, change or send the information, the title and the address of the selected bookmark, edit the selected bookmark, send it

directly to another phone as a bookmark, or as a text message, or create a new bookmark.

Your device may have some bookmarks loaded for sites not affiliated with Nokia. Nokia does not warrant or endorse these sites. If you choose to access them, you should take the same precautions, for security or content, as you would with any Internet site.

Receive bookmarks

When you receive a bookmark, *1 bookmark received* is displayed. Select **Show** to view the bookmark. To save the bookmark, select **Save** > **Options** > *View* to see the details or *Delete* to discard it.

Download (network service)

To download more tones, graphics, games, videos, themes, or applications to your phone, select **Menu** > *Web* > *Downloads*, then select the type of downloads: *Tone downloads*, *Graphic downloads*, *Game downloads*, *Theme downloads* or *App. downloads*.

Important: Only install and use applications and other software from sources that offer adequate security and protection against harmful software.

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

Service inbox (network service)

The phone can receive service messages (pushed messages) sent by your service provider. Service messages are notifications such as news headlines, and they may contain a text message or an address of a service.

To read this service message, select **Show**. If you select **Exit** the message is moved to the *Service inbox*. To access the *Service inbox* later, select **Menu** > *Web* > *Service inbox*.

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

Service inbox settings

Select **Menu** > *Web* > *Settings* > *Service inbox settings*. Select *Service messages* > *On* (or *Off*) to set the phone to receive (or not to receive) service messages.

Select *Message filter* > *On* to set the phone to receive service messages only from content authors approved by the service provider. To view the list of the approved content authors, select *Trusted channels*.

Select *Automatic connection*. If you have set the phone to receive service messages and select *On*, the phone will automatically activate the browser from the standby mode when the phone has received a service message. If you select *Off*, the phone will activate the browser only after you select *Retrieve* when the phone receives a service message.

Cache memory

A cache is a memory location that is used to store data temporarily. If you have tried to access or have accessed confidential information requiring passwords, empty the cache after each use. The information or services you have accessed is stored in the cache. To

empty the cache, while browsing, select **Options** > *Other options* > *Clear the cache*. In the standby mode, select **Menu** > *Web* > *Clear the cache*.

Your device may have some bookmarks loaded for sites not affiliated with Nokia. Nokia does not warrant or endorse these sites. If you choose to access them, you should take the same precautions, for security or content, as you would with any Internet site.

Browser security

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

Security module

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

Select **Menu** > *Web* > *Settings* > *Security settings* > *Security module settings*. Select from the following options:

- *Security module details* to show the security module title, status, manufacturer, and serial number.
- *Module PIN request* to set the phone to request the module PIN when using services provided by the security module. Enter the code and select *On*. To disable the module PIN request, select *Off*.

- *Change module PIN* to change the module PIN, if allowed by the security module. Enter the current module PIN code, then enter the new code twice.
- *Change signing PIN*. Select the signing PIN that you want to change. Enter the current PIN code, then enter the new code twice.

See also "Access codes," p. 13.

Certificates

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

- The phone uses a server certificate to create a connection with improved security to the content server. The phone receives the server certificate from the service provider before the connection is established and its validity is checked using the authority certificates saved in the phone. Server certificates are not saved.

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

  The security icon does not indicate that the data transmission between the gateway and the content server (or place where the requested resource is stored) is secure. The service provider secures the data transmission between the gateway and the content server.

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

- User certificates are issued to users by a certifying authority. User certificates are required, for example, to create a digital signature, and they associate the user with a specific private enter a security module.

  Important: Even if the use of certificates makes the risks involved in remote connections and software installation considerably smaller, they must be used correctly in order to benefit from increased security. The existence of a certificate does not offer any protection by itself; the certificate manager must contain correct, authentic, or trusted certificates for increased security to be available. Certificates have a restricted lifetime. If the expired certificate or certificate not valid yet is shown even if the certificate should be valid, check that the current date and time in your device are correct.

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

Digital signature

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

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

Check that the header text is *Read* and that the digital signature icon is shown.

Note: If the digital signature icon does not appear, there is a security breach, and you should not enter any personal data such as your signing PIN.

Read all of the text, then select **Sign**.

The text may not fit within a single screen. Make sure to scroll through and read all of the text before signing.

Select the user certificate you want to use. Enter the signing PIN (see "General information," p. 13) and select **OK**. The digital signature icon will disappear, and the service may display a confirmation of your purchase.

■ SIM services

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

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

Depending on the operator 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. Select *Phone settings* > *Confirm SIM service actions* > *Yes*.

Accessing these services may involve sending messages or making a phone call for which you may be charged.

6. 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, replace the 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 fully charged battery connected to a charger, since overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time.

If the battery is completely discharged, it may take a few minutes before the charging indicator appears on the display or before any calls can be made.

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 as they may explode. Batteries may also explode if damaged. Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

■ Nokia battery authentication guidelines

Always use original Nokia batteries for your safety. To check that you are getting an original Nokia battery, purchase it from an authorized Nokia dealer, look for the Nokia Original Enhancements logo on the packaging and inspect the hologram label using the following steps:

Successful completion of the four steps is not a total assurance of the authenticity of the battery. If you have any reason to believe that your battery is not an authentic original Nokia battery, you should refrain from using it and take it to the nearest authorized Nokia service point or dealer for assistance. Your authorized Nokia service point or dealer will inspect the battery for authenticity. If authenticity cannot be verified, return the battery to the place of purchase.

Authenticate hologram
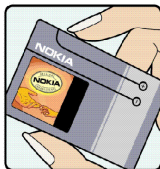
1.When looking at the hologram on the label, you should see the Nokia connecting hands symbol from one angle and the Nokia Original Enhancements logo when looking from another angle.
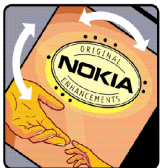
2.When you angle the hologram left, right, down, and up, you should see 1, 2, 3, and 4 dots on each side respectively.
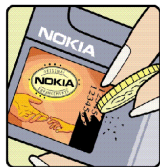
3.Scratch the side of the label to reveal a 20-digit code, for example 12345678919876543210. Turn the battery so that the numbers are facing upwards. The 20-digit code reads starting from the number at the top row followed by the bottom row.

4. Confirm that the 20-digit code is valid by following the instructions at www.nokia.com/batterycheck.

What if your battery is not authentic?

If you cannot confirm that your Nokia battery with the hologram on the label is an authentic Nokia battery, please do not use the battery. Take it to the nearest authorized Nokia service

point or dealer for assistance. The use of a battery that is not approved by the manufacturer may be dangerous and may result in poor performance and damage to your device and its enhancements. It may also invalidate any approval or warranty applying to the device.

To find out more about original Nokia batteries, visit www.nokia.com/battery.

7. Enhancements

A few practical rules about accessories and enhancements.

- Keep all accessories and enhancements out of the reach of small children.

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

- Check regularly that enhancements installed in a vehicle are mounted and are operating properly.

- Installation of any complex car enhancements must be made by qualified personnel only.

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 device dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery and allow the device to dry completely before replacing it.

- 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 only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.

- Use chargers indoors.

- Always create a backup of data you want to keep (such as contacts and calendar notes) before sending your device to a service facility.

All of the above suggestions apply equally to your device, battery, charger, or any enhancement. If any device is not working properly, take it to the nearest authorized service facility for service.

ADDITIONAL SAFETY INFORMATION

Your device and its enhancements may contain small parts. Keep them out of the reach of small children.

■ 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. 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 device the above-stated distance from your body. In order to transmit data files or messages, this device requires a good 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.

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. 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 15.3 cm (6 in) 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 15.3 cm (6 in) from the pacemaker;
- not carry the device in a breast pocket; and
- hold the device to the ear opposite the pacemaker to minimise the potential for interference.

If you suspect interference, switch off your device and move the device away.

Hearing aids

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

■ 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.

■ 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.

■ 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. Press ⌐⌐ as many times as needed to clear the display and ready the device for calls.
3. Enter the official emergency number for your present location. 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. If the device is in offline or flight 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.

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 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 organizations 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 watts/kilogram (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 0.70 W/kg.

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 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.