User Guide for Nokia 2650 phone

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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
Don't use the phone at a refuelling point. Don't use near fuel or chemicals.

SWITCH OFF NEAR BLASTING
Follow any restrictions. Don't use the phone where blasting is in progress.

USE SENSIBLY
Use only in the normal position as explained in the product documentation. Don't 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 GSM 1800 networks. 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.

> **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. Contact your service provider for more information.

■ Shared Memory

The following features in this device may share memory: contact list; text and multimedia messages; images and ringing tones in the *Gallery* menu; calendar notes, and Java™ games and applications. Use of one or more of these features may reduce the memory available for the remaining features sharing memory. For example, saving many images may use all of the available memory. Your device may display a message that the memory is full when you try to use a shared memory feature. In this case, delete some of the information or entries

stored in the shared memory features before continuing. Some of the features , such as cache and bookmarks may have a certain amount of memory specially allotted to them in addition to the memory shared with other features.

■ Chargers and enhancements

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from AC-1, ACP-7, ACP-8, ACP-12, LCH-9, and LCH-12 chargers.

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.

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.

Charging the battery
1. Connect the lead from the charger to the base of the phone.
2. Connect the charger to an AC wall outlet. The battery indicator bar starts scrolling.

   When the battery is fully charged, the bar stops scrolling.
3. Disconnect the charger from the phone and the AC outlet.
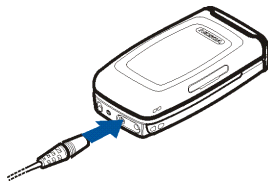
A few practical rules about accessories and enhancements.
• Keep all accessories and enhancements out of the reach of small children.

- 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.

General information

■ Sticker in the sales package

The sticker contains important information for service and customer- support purposes. Keep this sticker in a safe place.

Attach the ⬚B⬚ sticker to your warranty card.

■ Access codes

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

  For more information on using the security code, see Security settings on page 68.

- **PIN code:** This code, which may be supplied with your SIM card, protects the card against unauthorised use. If you activate the *PIN code request* function in the *Security settings* menu, the code is requested each time the phone is switched on.

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

- **PIN2 code:** This code may be supplied with the SIM card and is required to access some functions, such as charging unit counters.

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

- **PUK and PUK2 codes:** These codes may be supplied with the SIM card. If this is not the case, contact your service provider.
- **Barring password:** This code is needed when using the *Call barring service* function in the *Security settings* menu.

■ Light alerts

The display and keypad lights notify you of different phone functions by flashing. The following phone functions are examples of when lights are used:

- An incoming call arrives.
- An incoming SMS or multimedia message arrives.
- A calendar note or countdown timer expires, or the alarm clock or low battery activates an alarm.

You can activate the light alerts using the *Light sequences* function in the *Profiles* menu, see page 58.

■ Downloading content and applications

You may be able to download new content (for example images and ringing tones) and Java applications from Internet sites into the phone (network service).

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.

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

■ GPRS

GPRS (General Packet Radio Service) is a network service that allows mobile phones to be used for sending and receiving data over an Internet Protocol (IP)-based network. Via a GPRS connection you can, for example, send and receive multimedia messages (network service).

To use the GPRS service, subscribe to it through your network operator or service provider and save the GPRS settings for the functions that you want to use over the GPRS network. For information on pricing, availability and data transfer speed, contact your network operator or service provider.

Note that for some applications, such as browsing WAP or xHTML pages, you may be able to select either GPRS or *GSM data* (CSD, Circuit Switched Data).

For information on the indicators shown during a GPRS connection, see GPRS connection on page 63.

1. Getting started

■ Keys

1. Signal intensity of the cellular network at your current location.

2. Battery charge level.

3. Name of the cellular network or the operator logo.

4. Left selection key option.

5. Right selection key option.

   The right selection key can be *Contacts* or the function selected in the *Right selection key* setting in the *Personal shortcuts* menu, or it may be a name or logo specific to a network operator.

6. **Selection keys** $\boxed{-}$ and $\boxed{-}$, each key performs the function displayed above it.

7. **4-way scroll keys ($\boxed{<}$, $\boxed{>}$, $\boxed{\frown}$ and $\boxed{\smile}$)**

   Enable scrolling through names, phone numbers, menus or settings. During a call, press $\boxed{>}$ to increase and $\boxed{<}$ to decrease the earpiece volume. In standby mode, press
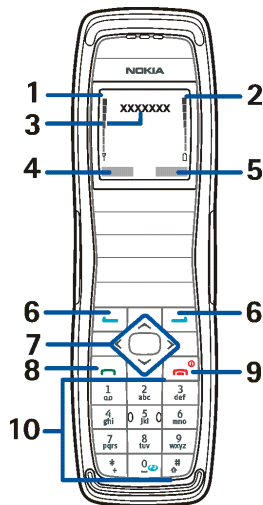
- $\boxed{\frown}$ or $\boxed{\smile}$ for the names and phone numbers saved in Contacts
- $\boxed{<}$ to write a message
- $\boxed{>}$ to access the Calendar

  Note that the time and date must be set first.

8. $\boxed{\frown}$ dials a phone number and answers calls, or shows the most recently dialled numbers in standby mode.

9. $\boxed{\frown^\circ}$ ends an active call or rejects a call, and also switches the phone on and off. **Exits from any function.**

   Closing the fold also exits from any function.

10. $\boxed{0_\omega}$ - $\boxed{9_{wxyz}}$ enter numbers and characters.

   $\boxed{*_+}$ and $\boxed{\#}$ are used for various purposes in different functions.

■ Inserting a SIM card

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.

Open the SIM cover on the side of the phone by pulling it out and bending it down (1). Insert the SIM card into the phone with the bevelled corner facing right (2). Push the SIM card in and close the SIM cover (3).

Note that if you remove your SIM card while using the phone, *Insert SIM card* appears on the display. Reinsert your SIM card and enter your PIN to restart your phone.
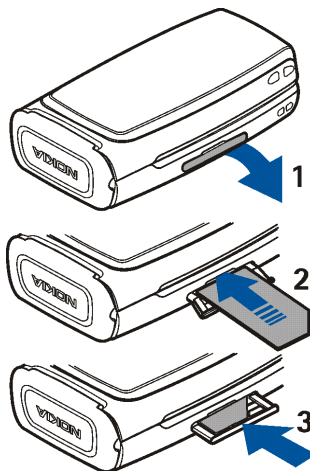
■ Inserting a battery

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

Release the catch (1). Remove the back cover (2). Insert the battery (3). Replace the back cover (4).
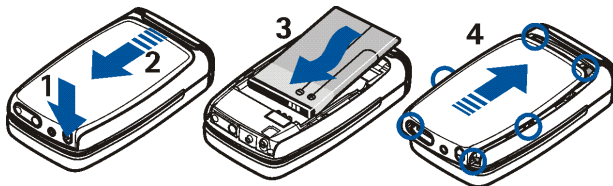
■ Putting on the wrist strap

Connect the wrist strap as indicated.
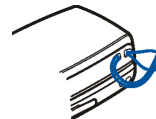
■ Opening the fold

To use the phone, you must open the fold as shown in the figure. Do not try to force the fold to open more than the hinge allows.

Close the fold by pushing from the top part of the phone, not from the hinge.
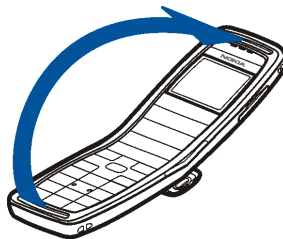
■ Switching the phone on and off

Press and hold the power key [ ] for more than 3 seconds.

- If the phone asks for a PIN code or security code, key in the code and press OK.
- If the phone displays *Insert SIM card* even though the SIM card is properly inserted, or *SIM card not supported*, contact your network operator or service provider. Your phone does not support 5-Volt SIM cards and the card may need to be changed.

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 optimises the antenna performance and the battery life.

2. Basic functions

■ Making a call

1. Open the fold and key in the phone number, including the area code.

   To make international calls: Press $\boxed{\overset{*}{+}}$ twice for the + character and key in the country code, area code (omit the leading zero, if necessary) and phone number.

   Press *Clear* to delete the last entered digit.

2. Press $\boxed{\frown}$ to call the number. Press $\boxed{>}$ to increase or $\boxed{<}$ to decrease the volume of the earpiece or headset.

3. Press $\boxed{\overset{\circ}{\frown}}$ or close the fold to end the call or to cancel the call attempt.

Making a call using the contacts list
In standby mode, press $\boxed{\smile}$ or $\boxed{\frown}$ to find the name that you want. Press $\boxed{\frown}$ to call the number.

Calling a recently dialled number
To redial one of the last twenty phone numbers that you have called or attempted to call, press $\boxed{\frown}$ once in standby mode, scroll to the phone number or name you want, and press $\boxed{\frown}$.

Calling your voice mailbox
To call your voice mailbox (network service) in standby mode, press and hold $\boxed{1}$, or press $\boxed{1}$ and $\boxed{\frown}$.

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

For more information on voice messages, see Voice messages on page 46.

Speed dialling a phone number

If you have assigned a phone number to one of the keys $\boxed{\frac{2}{abc}}$ to $\boxed{\frac{9}{wxyz}}$, you can call the phone number by choosing one of the two options below:

- In standby mode, press the desired number key and $\boxed{\frown}$.
- If the *Speed dialling* function is set on, press and hold the number key in standby mode until the call is started.

  For more information on assigning speed dial keys, see Speed dials on page 56.

  For more information on the *Speed dialling* function, see Call settings on page 64.

In-call operations

You can press **Options** for some of the following functions during a call:

Mute or *Unmute*, *End call*, *End all calls*, *Contacts*, *Menu*, *Hold* or *Unhold*, *New call* (network service), *Conference* (network service), *Private call* (network service), *Answer*, *Reject*, *Swap* (network service), *Send DTMF*, *Lock keypad*, *Transfer* (network service), *Headset*, *Handsfree*, *Auto volume on* or *Auto volume off*.

Select

- *Auto volume on* / *Auto volume off* to set the automatic volume control to on or off. See Call settings on page 64.

- *Transfer* to connect the held call to the active call and to disconnect yourself from the call.
- *Headset* or *Handsfree* to switch the active call to the respective compatible accessory when the accessory is connected to the phone.

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

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

■ Answering or rejecting an incoming call

Open the fold and press ⌐ to answer the call. If you do not press ⌐ within five seconds, the call is automatically answered. If you want to mute the ringing tone, press **Silence**.

To reject the call, press ⌐, or press **Options** and select *Reject*. You can also open the fold and close it within 1.5 seconds to reject a call. The rejected call will be diverted if you have activated a call divert option such as *Divert if busy*.

Call waiting

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

■ Keypad lock (Keyguard)

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

To lock the keypad, press **Menu** in standby mode and then ⬜ quickly. Keyguard is not activated when you close the fold. When the keypad is locked, ▬❚ is shown at the top of the display. To unlock the keypad, press **Unlock** and ⬜ quickly.

When the keypad is locked, you can answer a call by pressing ⬜. During a call, the phone can be operated normally. When you end or reject the call, the keypad will automatically be locked.

For information on setting the keypad to lock automatically after a certain length of time, see *Automatic keyguard* on page 66.

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

3. Writing text

You can key in text in two different ways, using traditional text input 🐿, or predictive text input (built-in dictionary) 🐾.

To quickly change the text input method when writing text, press `#` twice.

Using traditional text input: Press repeatedly the key marked with the letter that you want until the letter appears.

Using predictive text input:

1. Key in the word that you want by pressing each key once for one letter. The word changes after each keystroke. For example, to write 'Nokia' when the English dictionary is selected, press `6 mno`, `6 mno`, `0 5 jkl`, `4 ghi`, `2 abc`.

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

   - If you want to change the word, press `*` repeatedly until the word that you want appears.
   - If the "?" is displayed after the word, the word is not in the dictionary. To add the word to the dictionary, press **Spell**, key in the word (traditional text input is used) and press **OK**.

Tips for writing text with traditional and predictive text input:

- To move the cursor left or right, press `<` or `>`, respectively.
- To add a space, press `0`.

- To delete the character to the left of the cursor, press *Clear*. To clear the screen, press and hold *Clear*.

- To switch between upper and lower cases, or between traditional and predictive text input, press $\boxed{\overset{\#}{\circ}}$ repeatedly and check the indicator at the top of the display.

- To switch between letters and numbers, press and hold $\boxed{\overset{\#}{\circ}}$.

- To add a number, press and hold the desired key.

- To get a list of special characters, press and hold $\boxed{\overset{*}{+}}$, select the character that you want, and press **Use**. In **traditional** text input, you can also add punctuation marks and certain special characters by pressing $\boxed{\overset{1}{\omega}}$ repeatedly.

- **Traditional:** To key in a letter which is on the same key as the previous one, press $\boxed{\frown}$ or $\boxed{\smile}$ (or wait until the cursor appears), and key in the new letter.

- **Predictive:** To add a compound word, key in the first half of the word, press $\boxed{\smile}$, and then key in the second half.

4. Using the menu

Most of the menu functions are provided with a brief help text. To view the help text, scroll to the desired menu function and wait for about 15 seconds.

For information on switching the *Help text activation* function on or off, see the Phone settings menu on page 65.

■ Accessing a menu function

By scrolling

1. Press **Menu** in standby mode.
2. Press $\boxed{\frown}$ or $\boxed{\smile}$ to scroll to the main menu that you want, and press **Select** to enter it.
3. Scroll to a submenu and press **Select**.

   If the submenu contains further submenus repeat this step.
4. Press **Back** to return to the previous menu level, or press **Exit** or $\boxed{}$ to exit to standby mode.

By using a shortcut number

The menus, submenus and setting options are numbered. The shortcut number is shown at the top right of the display.

Press Menu in standby mode. Within two seconds, key in the shortcut number of the main menu that you want to open. Repeat this for the submenu and setting option.

■ List of menu functions

1. Messages

1. Text messages
    1. Create message
    2. Inbox
    3. Create SMS e-mail
    4. Sent items
    5. Saved text msgs.
    6. Templates
    7. My folders
    8. Delete messages

2. Multimedia msgs.
    1. Create message
    2. Inbox
    3. Outbox
    4. Sent items
    5. Saved items
    6. Delete messages

3. Voice messages
    1. Listen to voice messages
    2. Voice mailbox number

4. Info messages
    1. Info service
    2. Topics
    3. Language
    4. Info topics saved on SIM card[1]

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1. Shown only if info message topics can be saved to the SIM card.
1. Shown only if info messages have been received.

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1. Shown if supported by your SIM card. For availability, contact your network operator or service provider.

1. Profiles
2. Tone settings
   1. Incoming call alert
   2. Ringing tone
   3. Ringing volume
   4. Vibrating alert
   5. Message alert tone
   6. Keypad tones
   7. Warning tones
   8. Alert for
3. Light sequences
4. Display settings
   1. Wallpaper
   2. Colour schemes
   3. Operator logo
   4. Screen saver timeout
   5. Display brightness
   6. Menu view
5. Time and date settings
   1. Clock
   2. Date
   3. Auto-update of date & time
6. Personal shortcuts
   1. Right selection key
   2. Select 'Go to' options
   3. Organise 'Go to' options

                    7. Connectivity

1. GPRS connection
8. Call settings
   1. Call divert
   2. Automatic volume control
   3. Anykey answer
   4. Automatic redial
   5. Speed dialling
   6. Call waiting
   7. Summary after call
   8. Send my caller ID
9. Phone settings
   1. Phone language
   2. Memory status
   3. Automatic keyguard
   4. Cell info display
   5. Welcome note
   6. Operator selection
   7. Help text activation
   8. Start-up tone
10. Enhancement settings[1]
11. Security settings
   1. PIN code request
   2. Call barring service
   3. Fixed dialling
   4. Closed user group

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1. Shown only if the phone is or has been connected to a compatible enhancement.

2. Bookmarks

3. Download links

4. Service inbox

5. Settings

6. Go to address

7. Clear the cache

10. Go to

11. SIM services[1]

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

5. Menu functions

■ Messages (Menu 1)

Before you can send text, picture, multimedia, or e-mail messages, you must set your message settings. For more information, see Message settings on page 46.

> **Note:** When sending messages, your device may display the words "*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 and picture messages (SMS)

You can write and send multi-part messages, which may include pictures, consisting of several ordinary text messages (Network Service). Invoicing may be based upon the number of ordinary messages that are needed for any multi-part message. The number of available characters/the current part number of a multi-part message is shown on the top right of the display, for example 120/2. If you use special characters, such as Cyrillic characters, more parts may be needed for the message than would otherwise be required. Note that predictive text input may use special characters.

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

Writing and sending a text or picture message

1. Press **Menu** in standby mode and select *Messages*, *Text messages* and *Create message*.

2. Key in a message. See Writing text on page 26.

   - To insert a picture, or a phone number or name from the contacts list into the message, press **Options** and select:

     - *Insert picture*. Scroll to the desired picture, press **View** and **Insert**. If you wish, press **Options** and select an option to preview and change the message before sending it.

     - *Insert number*. Press **Search** or ⌄ and select the number.

     - *Insert contact*. Scroll to the desired name and press **Options**. Select *Insert contact* or *View details* if you want to insert a number or text item saved with the name.

   - To use a predefined text as a base for the message, press **Options** and select *Use template* and the desired template.

   - To save the message in the *Saved text msgs.* or *Templates* folder or in a folder that you have created inside the *My folders* folder, press **Options** and select *Save message*.

3. To send the message, press ⌐, or press **Options** and select *Send*, key in the recipient's phone number or search for it in the contacts list, and press **OK**.

   - To send a message to several people, press **Options** and select *Sending options* and *Send to many*. Scroll to the first recipient and press **Send**. When you have selected all your recipients, press **Done**.

- To send a message using predefined settings, press **Options** and select *Sending options* and *Sending profile*.

The sent message is saved in the *Sent items* folder.

Writing and sending an e-mail message
You may be able to write and send e-mail messages (network service). To save an e-mail address in the phone book, see Saving multiple numbers and text items per name on page 53.

1. Press **Menu**, and select *Messages*, *Text messages* and *Create SMS e-mail*.

2. Key in the recipient's e-mail address or search for it in the contacts list and press **OK**.

3. If you wish, key in the subject for the message and press **OK**.

4. Key in the e-mail message.

5. To send the message, press **Options**, select *Send SMS e-mail* and press **OK**.

Reading and replying to a text, picture or e-mail message
When you receive a message, the ☒ indicator and the number of new messages followed by *messages received* are shown.

If the ☒ indicator blinks, the text message memory is full. For information on deleting messages, see Deleting messages on page 45.

1. Press **Show** to view the new message immediately.

   To view the messages later, press *Exit*. When you want to read the messages, press **Menu** and select *Messages*, *Text messages* and *Inbox*.

2. Select the message that you want to read, and use the scroll keys to browse through the message. ✉ indicates an unread message.

3. To reply to the displayed message, press **Options** and select *Reply*. Select

   - *Empty screen* to write a message from scratch.

   - *Original text* to include the original message in the reply.

   - *Template* to use a preset text as a base for the new message. For information on the templates, see Folders for text and picture messages on page 41.

   When replying to an e-mail message, confirm or edit the e-mail address and subject and then write your reply.

4. To send your reply, press **Options**, select *Send*, and press **OK**. **OR:** Press ⎡⎤ twice.

Other functions accessible with the Options key
While reading a message, pressing **Options** also allows access to the following functions: *Delete*, *Use detail*, *Forward*, *Edit* (for text messages) / *Edit text* (for picture messages), *Move*, *Rename*, *Copy to calendar*, *Save picture* (for picture messages), *Message details*.

Select

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

- *Copy to calendar* to copy the message text to your phone's calendar as a memo.

- *Save picture* to save the picture included in a picture message in the *Templates* folder.

Folders for text and picture messages

To open a folder, press **Menu** in standby mode, and select *Messages*, *Text messages* and then *Inbox*, *Sent items*, *Saved text msgs.*, *Templates* or *My folders*.

- In *Templates*, you can save text messages that you want to use as a base for new messages. Text templates are indicated by ⊞ and picture templates by ▢.

  To edit or delete a template, select the desired template, press **Options**, and select the desired function.

- In *My folders* you can create new folders for your messages.

  To add a folder, press **Add** (if the folder list is empty) or press **Options** and select *Add folder*. To delete or rename a folder, press **Options** and select the desired function.

Multimedia messages (MMS)

The phone can send and receive multimedia messages of up to 100 kilobytes (network service).

> **Note:** Only devices that offer compatible multimedia message or e-mail features can receive and display multimedia messages.

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

Note that multimedia messages cannot be received during a call, while using a game or another Java application or when you have an active browsing session using the GSM data bearer (see Keying in the service settings manually on page 81).

Because delivery of multimedia messages can fail for a variety of reasons, do not rely solely upon them for essential communications.

Sent and received multimedia messages use shared memory, see page 10.

The default setting of the multimedia message service is generally set to on.

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

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

Writing and sending a multimedia message

Before sending a multimedia message, read Notes for sending a multimedia message on page 44.

1. Press **Menu** in standby mode, and select *Messages*, *Multimedia msgs.* and *Create message*.

2. Key in a message. See Writing text on page 26.

   • To insert an image, press **Options** and select *Insert*.

     Open a specific folder in the *Gallery* menu, scroll to the desired image or sound, press **Options** and select *Insert*.

- Your phone supports multimedia messages that contain several pages. To add a new slide to the message, press **Options** and select *Insert* and *Slide*. Each slide can contain text and one image.

  Select **Options** and:
  - *Previous slide*, *Next slide* or *Slide list* to navigate between slides.
  - *Slide timing* to define how long each slide is shown.
  - *Place text first* or *Place text last* to move the text position.
- To insert a business card or a calendar note for a compatible device, press **Options** and select *Insert* and the desired option.
- To insert a name or number from the contacts list, press **Options**, select *More options*, and *Insert contact* and the desired name or *Insert number*.
- To delete an image or slide from the message, press **Options** and select *Delete* and the desired function.
- To save the message in the *Saved items* folder, press **Options** and select *Save message*.
- To add a subject to the message, press **Options** and select *More options* and *Edit subject*.
- To view the size or recipient of the message, press **Options** and select *More options* and *Message details*.
- To view the message or slide presentation before sending it, press **Options** and select *Preview*.

3. To send the message, press **Options** and select *Send to number* (or *Send to e-mail* or *Send to many*).

4. Key in the recipient's phone number or e-mail address, or search for it in the contacts list. Press **OK** to send the message.

   If you selected *Send to many* in step 3, press **Options**, select *Search number* or *Search e-mail*, and select the recipients one by one from the contacts list. To send the message, press ⌐, or press **Done** and **Options** and select *Send*.

The message is saved in the *Outbox* folder until it is sent. The sent messages are saved in the *Sent items* folder if the *Save sent messages* setting is *Yes*. See Settings for multimedia messages on page 48.

Notes for sending a multimedia message
- It may take more time to send a multimedia message than a text message. During sending, the animated ⌐ indicator is displayed and you can use most of the other functions of the phone.

  If the transmission is interrupted, the phone tries to re-send the message a few times. If the transmission fails, the message remains in the *Outbox* folder where you can try to re-send it later.

Reading and replying to a multimedia message
When the phone is receiving a multimedia message, the animated ⌐ indicator is displayed. When the message has been received, the ⌐ indicator and the text *Multimedia message received* are shown.

If the ⌐ indicator blinks, the memory for multimedia messages is full. For information on deleting messages, see Deleting messages on page 45.

1. Press **Show** to view the received message immediately.

   To view the message later, press **Exit**. When you want to read the message, press **Menu** and select *Messages*, *Multimedia msgs.* and *Inbox*. Select the desired message from the list. ✉ indicates an unread message.

2. Scroll through the message. If the message contains a slide presentation, the presentation is played automatically.

   You can press **Options** for the following functions: *Play presentation*, *Continue present.*, *View text*, *Open image*, *Delete message*, *Reply* / *Reply to all*, *Use detail*, *Forward to no.*, *Forward to e-mail* / *Forward to many*. Select

   - *View text* to view the text part of the message.
   - *Open image* to view the image included in the message. Press **Options** to zoom in or out on the image, save it in the *Gallery* menu, set its contrast or view its details.

   Important: Multimedia message objects may contain viruses or otherwise be harmful to your device or PC. Do not open any attachment if you are not sure of the trustworthiness of the sender.

Deleting messages

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

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

1. Press **Menu** in standby mode and select *Messages*, *Text messages* or *Multimedia msgs.*, and *Delete messages*.

2. To delete all the messages from a folder, select the desired folder and press **OK**.

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

Voice messages

Voice mailbox is a network service and you may need to subscribe to it first.

Press **Menu** in standby mode, and select *Messages* and *Voice messages*. Select *Voice mailbox number* to save the number of your voice mailbox or *Listen to voice messages* to call it.

🔅 **Tip:** To quickly call your voice mailbox, press and hold ⟨1⟩.

Info messages

This network service allows you to receive messages on various topics from your service provider.

Press **Menu** in standby mode, and select *Messages* and *Info messages*. For available topics and the relevant topic numbers, contact your service provider.

Message settings

Settings for text and e-mail messages
Press **Menu** in standby mode, and select *Messages*, *Message settings*, *Text messages* and *Sending profile*. Select the group of settings ('sending profile') that you want to change. Next, select

- *Message centre number* to save the phone number needed for sending text and picture messages. You obtain this number from your service provider.

- *Messages sent via* to choose the message type *Text*, *E-mail*, *Paging* or *Fax* (network service).

- *Message validity* to choose how long the network should attempt to deliver your message to its recipient (network service).

- *Default recipient number* to save a phone number where messages are sent by default when this sending profile is used. This setting is shown when the *Messages sent via* setting is *Text*.

  If the *Messages sent via* setting is *E-mail*, this setting is *E-mail server* and it allows you to save the phone number of the e-mail server.

- *Delivery reports* to request the network to send delivery reports on your messages (network service).

- *Use GPRS* and *Yes* to set the phone to send text messages over a GPRS connection, if this is possible. Also, you can set the *GPRS connection* to *Always online*, see GPRS connection on page 63.

- *Reply via same centre* to allow the recipient of your message to send you a reply message via your message centre (network service).

- *Rename sending profile* to change the name of the sending profile. The name of the default profile cannot be changed.

Overwriting settings
You can set the phone to automatically replace old messages with new ones. Press
<div align="center">

Menu in standby mode, and select *Messages*, *Message*
</div>

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

Settings for multimedia messages

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

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

- *Delivery reports* to request the network to send delivery reports on your messages (network service).

- *Scale image down* to select whether images are scaled to a smaller size when inserted into a message.

- *Default slide timing* to define how long each slide in your presentations is shown by default.

- *Allow multimedia reception* to allow (*Yes*) or prevent (*No*) the reception of multimedia messages or to allow it only in your home network (*In home network*).

- *Incoming multimedia messages* to set the phone to automatically retrieve received multimedia messages (*Retrieve*), or select *Reject* if you do not want to receive multimedia messages.

  This setting is not shown if *Allow multimedia reception* is set to *No*.

- *Connection settings* to define the browser settings for retrieving newly received multimedia messages. Activate the connection set where you want to

save the settings and then edit them. See also Keying in the service settings manually on page 81.

For proper settings, contact your network operator or service provider.

- *Allow adverts* to allow or prevent the reception of advertisements. This setting is not shown if *Allow multimedia reception* is set to *No* or if *Incoming multimedia messages* is set to *Reject*.

Font size setting

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

Service commands

You can send service requests to your service provider (network service). To access this menu, press **Menu** in standby mode, and select *Messages* and *Service commands*. Key in the desired characters and press **Send**.

■ Call register (Menu 2)

In this menu, you can view the phone numbers of missed, received and dialled calls, and the approximate length of your calls.

Missed, received and dialled calls

To view the phone numbers of missed, received and dialled calls, press **Menu** in standby mode and select *Call register*. Select

- *Missed calls* to view up to ten phone numbers from which somebody has most recently tried to call you with no success (network service).
- *Received calls* to view up to ten phone numbers from which you have most recently accepted calls (network service).
- *Dialled numbers* to view up to twenty phone numbers that you have most recently called or attempted to call. See also Calling a recently dialled number on page 22.
- *Delete recent call lists* to clear the lists of missed, received, and dialled calls.

Notes about missed, received and dialled calls
- The phone registers missed and received calls only if the network supports these functions and the phone is switched on and within the network's service area.
- If you press **Options** in the *Missed calls*, *Received calls* or *Dialled numbers* menu, you can, for example, view the date and time of the call, call the registered phone number, save it in the contacts list or send a message to the number.

Call counters and call timers

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

Press **Menu** in standby mode and select *Call register*. Select

- *Call duration* to view the approximate duration of your incoming and outgoing calls.

- *GPRS data counter* to view the amount of data that has been sent and received during the GPRS connections.

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

■ Contacts (Menu 3)

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

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

The number of names that can be saved depends on their length, and the number and length of related phone numbers and text items. The phone supports SIM cards that can save up to 250 names and phone numbers.

Contacts saved in the phone's memory use shared memory, see page 10.

Alternative ways to access the functions in this menu

You can access the functions by pressing **Contacts** in standby mode (or by pressing **Go to** and selecting *Contacts*).

Some of the functions can also be accessed as follows: Press ⌄ or ⌃ in standby mode, scroll to the name that you want, press **Details**, scroll to a number or text item, press **Options** and select the desired function.

To access the contacts during a call, press **Options** and select *Contacts*.

Selecting the settings for contacts

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

- *Memory in use* to select the contact memory that you want to use. If you want to search for names and phone numbers in both memories, select *Phone and SIM*. In this case, the names and numbers will be saved in the phone's memory.
- *Contacts view* to select how the names, numbers and images are displayed in the contacts list. For example, select *Name and image* to view the names with the attached images.
- *Memory status* to view how much free memory is available in each contact memory.

Saving names and phone numbers

1. Press **Menu** in standby mode and select *Contacts* and *Add new contact*.
2. Key in the name and press **OK** to save it.
3. Key in the phone number, including the area code, and press **OK** to save it.
   - To use the phone number while abroad, press ⌨ twice (for the + character) and key in the country code, area code (omit the leading zero, if necessary) and phone number.
4. When the name and number are saved, press **Done**.

☼ **Tip:** To quickly save a name and phone number, key in the phone number in standby mode, press **Options** and select *Save*.

Saving multiple numbers and text items per name

You can save different types of numbers and text items per name in the phone's contact memory.

The first phone number that you save with the name is the default number. It is indicated with a frame around the number type indicator, for example 📞. When you select a name from the contacts list, for example to make a call, the default number is used unless you select another number.

1. Make sure that the selected memory is *Phone* or *Phone and SIM*.

2. Press ⌄ or ⌃ in standby mode.

3. Scroll to the name to which you want to add a number or text item, and press **Details**.

4. Press **Options**, and select *Add number*, *Add detail* or *Change type*.

   • To add a phone number, select *Add number* and a number type. Key in the number, and press **OK** to save it.

   • To add a text item, select *Add detail* and a text type, for example *E-mail address*. To add a special character, press ⁎.

   • To change the type of the selected number or text item, select *Change type* and the desired type.

5. Press **Back** and then **Exit** to return to standby mode.

Changing the default number

Press `⏷` or `⏶` in standby mode, scroll to the desired name and press **Details**. Scroll to the number that you want to set as the default number. Press **Options** and select *Set as default*.

Adding an image to a saved name or number

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

Press `⏷` or `⏶` in standby mode, scroll to the name (and number) to which you want to add an image and press **Details**. Press **Options** and select *Add image*. The list of folders in the *Gallery* menu is shown. Scroll to the desired image, press **Options** and select *Save to contacts*.

Searching for a name in the contacts

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

Deleting contacts

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

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

Deleting a number, text item or image added to a name
Press ⌣ or ⌢ in standby mode, scroll to the desired name (and number) and press **Details**. Scroll to the number, text item or image that you want to delete, press **Options**, select the appropriate function, and press **OK**.

Editing a name, number or text item

Press ⌣ or ⌢ in standby mode, scroll to the desired name and press **Details**. Scroll to the desired name, number or text item and press **Options**. Select the desired function, for example *Edit detail* to edit a text item.

Copying contacts

You can copy names and phone numbers from the phone to the SIM card and vice versa. Text items or images saved in the phone will not be copied to the SIM card.

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

Other functions related to the contacts list

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

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

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

- *My numbers* to view the phone numbers assigned to your SIM card if this is allowed by the card.

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

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

  If you selected *Group members*, press **Add** (or press **Options** and select *Add contact*) to add a name to the group. To delete a name from the group, press **Options** and select *Remove contact*.

  See also *Alert for* in Tone settings on page 59.

Speed dials

You can set the keys $\boxed{\frac{2}{abc}}$ to $\boxed{\frac{9}{wxyz}}$ to work as speed dialling keys. To make a call using speed dialling, see page 23.

Assigning a phone number to a speed dialling key

Press **Menu** in standby mode and select *Contacts* and *Speed dials*. Scroll to the desired key and press **Assign**. Press **Search** and select the name and number that you want to assign to the selected key.

If a phone number is already assigned to the key, you can view or change the number or delete the assignment by pressing **Options** and selecting the desired function.

Business cards

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

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

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

■ Settings (Menu 4)

In this menu, you can change various phone settings. You can also reset some menu settings to their default values.

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

Profiles

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

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

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

2. Select *Activate*, *Personalise* or *Timed*.

   - To activate the selected profile, select *Activate*.

   - To activate the profile for a certain amount of time, select *Timed* and set the end time. When this time expires, the previous profile that was not timed, becomes active.

   - To change the profile settings, select *Personalise*. Select the setting that you want to change and make the change.

     Select *Light sequences* to activate the display and keypad lights for certain functions. For more information, see Light alerts on page 14.

     For information on the other settings, see Tone settings on page 59. With *Profile name* you can rename the selected profile. The *General* profile cannot be renamed.

The name of the currently active profile is shown in standby mode, except when the *General* profile is active. If the profile is timed, ⏲ is shown in front of its name.

Tip: To change the profile quickly in standby mode, press the power key ⌐•| and select the profile that you want to activate.

Tone settings

You can change the tone and vibrator settings of the currently selected profile. The same settings can also be found in the *Profiles* menu, see page 58.

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

- *Incoming call alert* to choose how the phone notifies you of an incoming voice call. The options are *Ringing*, *Ascending*, *Ring once*, *Beep once* and *Off*.

  Note that when the fold is open, all ringing tones are played in ascending mode.

- *Ringing tone* to select the tone that rings when you receive a voice call. To select a ringing tone from the *Gallery* menu, select *Open gallery*.

- *Ringing volume* to select the volume level for the ringing tones and message alert tones.

- *Vibrating alert* to set the phone to vibrate when you receive a call or message. The vibrating alert does not work when the phone is connected to a charger or car kit.

- *Message alert tone* to select the tone that you hear when you receive a message. To select the tone from the ringing tone list, select *Ringing tone* and the desired tone.

- *Keypad tones* to select the volume for keypad tones.

- *Warning tones* to set the phone to sound tones, for example, when the battery is running out of power.
- *Alert for* to set the phone to ring only upon calls from phone numbers that belong to a certain caller group. Scroll to the caller group that you want or *All calls* and press **Mark**. See also the *Caller groups* setting in the *Contacts* menu.

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

Adding new tones to your phone
For availability of tones via the text messaging (SMS), multimedia messaging (MMS) or browser service, contact your network operator or service provider. The tones are saved in the *Gallery* menu.

Display settings

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

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

  The wallpaper images can be found in the *Gallery* menu. You can save new images, for example, from multimedia messages.

  To set an image as the wallpaper:

  - To select the wallpaper image for the first time or to change the image, select *Select wallpaper*. Scroll to the folder that you want, press **Open** and

scroll to the desired image. Press **Options** and select *Set as wallpaper*.

- If you have previously used the wallpaper but have then selected *Off*, select *On*.

- *Colour schemes* to select the colour for some parts of the phone display, such as the signal strength indicator.

- *Operator logo* to set the phone to display or hide the operator logo saved in the phone. If there is no operator logo available in the phone, this function is dimmed.

  For availability of operator logos, contact your network operator or service provider.

- *Screen saver timeout* to set the time after which the screen saver feature is activated. The screen saver is a power saving feature which becomes active if the phone is not used for a certain length of time in standby mode. Note that the screen saver is deactivated when the phone is outside the network coverage area.

  You can deactivate the screen saver by pressing any key.

- *Display brightness* to change the brightness level. Press $\boxed{<}$ or $\boxed{>}$ to decrease or increase the level, and press **OK** to accept it.

- *Menu view* to set the way the phone displays the main menu. If you select *List*, the menus are shown as a list. If you select *Grid*, the menus are shown as a grid. In the grid view, the menu name is shown at the top of the display.

Time and date settings

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

- *Clock* to set the time, show (or hide) the time in standby mode or select the 12-hour or 24-hour time format and the time zone. If the battery is removed from the phone for a long time, you may need to set the time again.

  The clock settings apply to several functions such as *Messages*, *Call register*, *Alarm clock* and *Calendar*.

- *Date* to show (or hide) the date in standby mode, set the date or select the date format or date separator. If the battery is removed from the phone for a long time, you may need to set the date again.

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

  Automatic update of date and time does not change the time you have set for the alarm clock, calendar or alarm notes.

Personal shortcuts

You can select the function for the right selection key shown in standby mode and the functions ('personal shortcuts') that can be accessed by pressing **Go to** in standby mode or by entering the *Go to* menu.

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

- *Right selection key* to select the function for the right selection key.
- *Select 'Go to' options* to select the functions for your shortcut list. Scroll to a function and press **Mark** to add it to the list. To remove a function from the list, press **Unmark**. To save the changes, press **Done** and **Yes**.
- *Organise 'Go to' options* to change the order of the functions on the list. Scroll to the desired function, press **Move** and select where you want to move the function to.

Connectivity

In this menu, you can define when the phone connects to the GPRS network.

GPRS connection

In this menu, you can define when the phone connects to the GPRS network (network service). For general information about the GPRS service, see page 15.

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

Select *GPRS connection* and *Always online* or *When needed*.

- If you select *Always online*, the phone automatically registers to a GPRS network when you switch the phone on, if the GPRS network is available in your location.

  If you select *When needed*, the phone registers and connects to the GPRS network only if you use a function that needs the GPRS service. In this case, establishing the connection may take longer than when *Always online* is selected.

GPRS indicators

When the selected GPRS connection mode is *Always online* and the GPRS service is available, ▯ is shown on the display.

When you start a function that uses the GPRS service, the phone connects to the GPRS network, ▯ is shown and data transfer is possible.

If you receive a call or a text message, or make a call, during a GPRS connection, ▯ is shown to indicate that the connection is suspended (on hold). The phone tries to re-establish the connection after the call.

Call settings

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

- *Call divert* to direct your incoming calls to your voice mailbox or to another phone number (network service). Divert options that are not supported by your SIM card or your network operator may not be shown.

  Select the desired divert option, for example, *Divert if busy* to divert voice calls when your number is busy or when you reject an incoming call. Set the divert option on (*Activate*) or off (*Cancel*), or check whether the option is activated (*Check status*).

  - If you selected *Activate*, select where the calls are to be diverted to. For some divert options you can also select the time after which the call is diverted.

Several divert options can be active at the same time. When all calls are diverted, ⤴ is shown in standby mode.

- *Automatic volume control* and *On* to set the phone to automatically keep the earpiece volume at the level that you select with `<` or `>` during a call. For example, if the environment is noisy, the phone increases the volume.

- *Anykey answer* and *On* if you want to answer an incoming call by briefly pressing any key, except the power key `⚋`, and selection keys.

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

- *Speed dialling* and *On* if you want to call the names and phone numbers assigned to the speed dial keys `2 abc` to `9 wxyz` by pressing and holding the corresponding key.

- *Call waiting* and *Activate* to request the network to notify you when you receive a new call during a call (network service).

- *Summary after call* and *On* to set the phone to briefly display the approximate duration of the last call.

- *Send my caller ID* to show (*Yes*) your phone number to the person you are calling or to hide it (*No*). If you select *Set by network*, the setting agreed upon with your service provider is used. This is a network service.

Phone settings

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

- *Phone language* to select the language for the display texts. If you select *Automatic*, the phone selects the language according to the information on the SIM card.

- *Memory status* to view the total amount of free and used shared memory and the amount of memory used by different functions.

- *Automatic keyguard* to set the keypad to lock automatically after a certain length of time when the phone is in standby mode. See also Keypad lock (Keyguard) on page 25.

  To activate the automatic keyguard, select *On* and set the time after which the keypad is locked. To deactivate the automatic keyguard, select *Off*.

When the keyguard is on, calls still may be possible to the official emergency number programmed into your device. Key in the emergency number and press 🔲 .

- *Cell info display* to set the phone to indicate when it is used in a cellular network based on the Micro Cellular Network (MCN) technology (network service).

- *Welcome note* to define a note that is shown briefly when the phone is switched on. To save the note, press **Options** and select *Save*.

- *Operator selection* to set the phone to automatically select a cellular network that is available in your area (*Automatic*) or to select the desired network from a list (*Manual*).

  The selected network must have a roaming agreement with your home operator's network. If *No network access* is displayed, select another network.

The phone stays in manual mode until automatic mode is selected or another SIM card is inserted into the phone.

- *Help text activation* to set the phone to show help texts that guide you in using the menu functions.
- *Start-up tone* to set the phone to play a tone when the phone is switched on.

Enhancement settings

You can define the settings that the phone uses by default when it is connected to a compatible enhancement.

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

Select the desired enhancement, for example *Headset* or *Handsfree*. Depending on the enhancement, you can select some of the following functions:

- *Default profile* to select the profile that is automatically activated when you connect the selected enhancement to the phone.
- *Automatic answer* to set the phone to automatically answer an incoming call after five seconds. If the *Incoming call alert* is set to *Beep once* or *Off*, automatic answer cannot be used.
- *Lights* to set the lights *On* or *Off*.

Enhancement indicators in standby mode
When a compatible enhancement is connected to the phone, the corresponding indicator (for example 🎧 or 🔊) is shown in standby mode.

Security settings

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

- *PIN code request* to set the phone to ask for your PIN code every time the phone is switched on. Some SIM cards do not allow this setting to be changed.
- *Call barring service* to restrict the calls that can be made or received with the phone (network service).
- *Fixed dialling* to restrict calls and text messages from your phone to selected phone numbers, if allowed by your SIM card (network service).

  When the fixed dialling option is on, GPRS connections can only be used for sending text messages. The recipient's phone number and the message centre number have to be included on the fixed dialling list.

- *Closed user group* to specify a group of people whom you can call and who can call you (network service). When you use a closed user group, the group number is shown in standby mode.
- *Security level* to define when the phone asks for the security code.

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

If you select *Memory*, the security code is requested when the memory in use is *SIM card* and you want to change the memory to *Phone* or *Phone and SIM* or when you want to copy names and numbers from one contacts list to another.

When you change this setting, the numbers in the menus *Missed calls*, *Received calls* and *Dialled numbers* are deleted.

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

Restore factory settings

You can reset some of the menu settings to their original values.

Press **Menu** in standby mode, and select *Settings* and *Restore factory settings*. Key in the security code and press **OK**. Note that this function does not delete the information that you have saved or downloaded to the phone.

■ Gallery (Menu 5)

In this menu, you can manage graphics and tones that you have saved, for example, from multimedia messages. JPEG and BMP format files are supported. These files are arranged in folders.

Your phone supports a Digital Rights Management (DRM) system to protect content that you have acquired to the phone. A piece of content, such as a ringing tone, can be protected and associated with certain usage rules, for example the number of usage times and a certain usage period. The rules are defined in the content's activation key that can be delivered with the content or separately,

depending on the service provider. You may be able to update these activation keys. Always check the delivery terms of any content and activation key before acquiring them, as they may be subject to a fee.

The gallery uses shared memory, see page 10.

1. Press **Menu** and select *Gallery*. The list of options is shown.

2. Select *View folders* to open the list of folders.

   Other options are:

   - *Add folder*, *Delete folder*, *Rename folder*: You can add a new folder or delete or rename the folder that you select. The preset folders cannot be deleted or renamed.

   - *Memory status* to view how much free memory is available.

   - *Activation key list*: You can view the list of available activation keys. Scroll to the desired file and press **Options**. Select *Details* to view the activation keys.

   - *Downloads*: You can download images and tones (network service). A list of bookmarks is shown. Select *More bookmarks* if you want to view the bookmarks available in the *Services* menu. Select the bookmark of the browser page that you want to access. Follow the instructions provided by the service.

3. To open a folder, scroll to the desired folder and press **Open**. The files in the folder are shown.

   Pressing **Options** allows access to some of the functions described in Options for the files in the gallery on page 71.

4. To view an image or listen to a sound, scroll to the desired image or sound file, press **Options** and select *Open*.

Options for the files in the gallery

When you have selected or opened a file, you can press **Options** for the following functions: *Open*, *Delete*, *Send*, *Edit image*, *Move*, *Rename*, *Set as wallpaper*, *Set as ring tone*, *Details*, *Sort*, *Activation key list*. Select

- *Send* to send the file as a multimedia message.

- *Edit image* to add text and clip-art to the selected image or to crop the image. Press **Options** and select the desired function.

  If you selected *Insert text*, key in the text that you want, press **OK** and move the text with the scroll keys. If you press **Options**, you can select the style, size and colour of the text font and rotate the text. To confirm the changes, press **Options** and select *OK*.

  If you selected *Insert clip-art*, scroll to the desired image, press **Options** and select *Insert*. Move the inserted image with the scroll keys and press **OK**.

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

- *Details* to view, for example, the size of the file.

- *Sort* to sort the files and folders by name, date, format or size.

- *Activation key list* to update the activation key of the selected file. This option is only shown if the activation key of the file can be updated.

■ Organiser (Menu 6)

In this menu, you can use the phone's built-in alarm clock and calendar.

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

Alarm clock

You can set the phone to alarm at the desired time. The alarm clock works even if you close the fold.

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

To set an alarm, select *Alarm time*, key in the alarm time and press **OK**. To change the alarm time, select *On*.

To set a tone for the alarm, select *Alarm tone* and the desired tone.

When the alarm clock is on, 🔔 is shown in standby mode.

When the alarm time expires

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

If the alarm time is reached while the device is switched off, the device switches itself on and starts sounding the alarm tone. If you press **Stop**, the device asks

whether you want to activate the device for calls. Press **No** to switch off the device or **Yes** to make and receive calls. Do not press **Yes** when wireless phone use may cause interference or danger.

Calendar

The calendar uses shared memory, see page 10.

To access this menu: Press **Menu** in standby mode and select *Organiser* and *Calendar*. The month view is shown. You can scroll through the days, weeks and months with the scroll keys.

☀️ **Tip:** To quickly open the calendar in standby mode, press ⟩ .

Using the different calendar views

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

Pressing **Options** also allows access to the following functions: *Week view*, *Make a note*, *Go to date*, *Settings*. Select

   • *Settings* to set the date and time or to select their format, the separator character (for example -) or the first day of the week (*Week starts on*). With *Auto-delete* you can set the phone to delete old notes automatically after a certain length of time.

- **Day view:** This view shows the notes set for the selected day. You can scroll through the notes by pressing ⌄ or ⌃ and through the days by pressing < or >. Press **Options** and select *View* to open the selected note ('note view').

  Pressing **Options** also allows access to the following functions: *Make a note*, *Delete*, *Edit*, *Move*, *Repeat*, *Go to date*, *Send note*, *Copy*, *Settings*. Select

  - *Repeat* to select the interval at which the note is repeated.
- **Note view:** This view shows the note that you opened in the day view.

  You can press **Options** for the following functions: *Edit*, *Delete*, *Move*, *Repeat*, *Send note*, *Copy*, *Settings*.

Making a calendar note

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

In the month or week view, scroll to the desired day, press **Options** and select *Make a note*. In the day view, press **Options** and select *Make a note*.

Select one of the following note types: 🔲 *Meeting*, 📞 *Call*, 🎁 *Birthday*, 📝 *Memo*, 📋 *Reminder*.

Make a note and save it. For example, to save a note for a meeting with an alarm, do as follows:

Key in the subject for the meeting, press **Options** and select *Save*. Key in the location, press **Options** and select *Save*. Key in the start date and press **OK**. Key in the end date and press **OK**. Key in the start time and press **OK**. Key in the end time and press **OK**. To set the alarm for the note, select *With tone* or *Silent* (no alarm tone) and set the alarm time.

When the phone sounds an alarm for a note

The phone beeps and displays the note. When a call note 📞 is displayed, you can call the number by pressing 🔲.

To stop the alarm and view the note, press **View**. If you press **Snooze** when the note is shown, the alarm stops for about ten minutes and then resumes.

To stop the alarm without viewing the note, press **Exit**.

■ Applications (Menu 7)

In this menu, you can use and manage the Java games and applications installed in the phone.

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

The phone supports Java 2 Micro Edition (J2ME™) which is a version of Java technology specifically designed for small consumer electronics products.

Before you can use a Java application you have to transfer it to your phone. Java applications use shared memory, see page 10.

Games

In this menu, you can play the Java games installed in the phone.

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

Game settings: Select *App. settings* to set sounds, lights and vibrations (*Application shake*s) for the games. When the *Vibrating alert* function in the *Tone*

settings menu is off, the phone does not vibrate even if you set *Application shakes* to on.

To start a game, select *Select game*, scroll to the desired game and press ⬜, or press **Options** and select *Open*. You can press **Options** for the same functions as in the *Collection* menu. Note that running some games may consume the phone's battery faster (and you may need to connect the phone to the charger).

To view the amount of memory available for games, select *Memory*.

To download a game to the phone, select *Game downloads*. A list of bookmarks is shown. Select *More bookmarks* if you want to view the bookmarks available in the *Services* menu. Select the bookmark of the browser page that you want to access. Follow the instructions provided by the service. When downloading a game, it may be saved in the *Collection* menu instead of the *Games* menu.

Collection

In this menu, you can use and manage the Java applications installed in the phone.

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

To launch an application, select *Select application*. Scroll to the application or application set that you want to use. Press **Options** and select *Open*, or press ⬜, to launch the application or to open the application set.

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

Other options available for an application or application set

You can access the functions below by pressing **Options** in the applications list. Select

- *Delete* to delete the selected application or application set from the phone.
- *Details* to view additional information about the application.
- *Update version* to look for a new version of the application from an Internet service (network service).
- *Web page* to access an Internet page related to the application (network service). This option is shown only if the application contains the Internet address of the page.
- *Web access* to restrict the application from accessing the network. Select *Ask first* to set the phone to ask for access, *Allowed* to allow the access, or *Not allowed* not to allow the access.
- *Connect via* to set the phone to use specific service settings if the application needs them. The phone uses as default the service settings for the browser.

Downloading a Java application

You can download new Java applications as follows:

- In the *Collection* menu, select *App. downloads*. A list of bookmarks is shown. Select *More bookmarks* if you want to view the bookmarks available in the *Services* menu. Select the bookmark of the browser page you want to access. Follow the instructions provided by the service.

- Press **Menu** in standby mode and select *Services* to access a browser page from which you can download the Java application that you want.

- Use the *Game downloads* function in the *Games* menu.

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

When downloading a game or an application, it may be saved in the *Games* menu instead of in the *Collection* menu.

Checking the memory status

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

■ Extras (Menu 8)

Calculator

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

Press **Menu** in standby mode, and select *Extras* and *Calculator*.

Making a calculation

1. Use $\boxed{0}$ to $\boxed{9_{wxyz}}$ to insert a digit. Press $\boxed{\#}$ for a decimal point.
2. Press $\boxed{*}$ once to add, twice to subtract, three times to multiply or four times to divide.
3. For a result, press **Options** and select *Equals*.
4. Press and hold **Clear** for a new calculation.

Making a currency conversion

1. To save the exchange rate, press **Options** and select *Exchange rate*. Select either of the available conversion options. Key in the exchange rate (press ⌗ for a decimal point) and press **OK**.

2. To make the conversion, key in the desired amount, press **Options** and select *In domestic* or *In foreign*.

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

Stopwatch

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

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

To set the timing to continue in the background, press 🔴. While the time is running, 🕗 appears in standby mode.

Using the stopwatch or allowing it to run in the background when using other features increases the demand on battery power and reduces the battery life.

Countdown timer

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

When the timer is running, 🗐 is shown in standby mode.

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

■ Services (Menu 9)

This menu contains a browser that you can use to access various services (network service). These services may include, for example, weather reports, news or flight times.

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

Check the availability, pricing and tariffs of these browser services with your network operator and/or the service provider. They will also give you instructions on how to use their services.

With your phone's multi-mode browser you can view services that use Wireless Mark-Up Language (WML) or extensible HyperText Markup Language (xHTML) on their pages.

Basic steps for accessing and using browser services

1. Save the settings that are needed to access the service that you want to use. See page 81.
2. Make a connection to the given service. See page 82.
3. Start browsing the pages of the service. See page 83.
4. Once you are finished browsing, end the connection to the service. See page 84.

Setting up the phone for a browser service

You may receive the service settings as an Over The Air (OTA) message from the network operator or service provider that offers the service you want to use. You can also key in the settings manually.

For more information and the appropriate settings, contact your network operator or service provider that offers the service. The settings may be available, for example, on their website.

Saving the service settings received as a message
- To save the received settings, press **Options** and select *Save*.

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

Keying in the service settings manually
1. In the *Services* menu, select *Settings*, *Connection settings* and *Active service settings*.

2. Scroll to the connection set that you want to activate and press **Activate**. A connection set is a collection of settings needed to make a connection to a service.

3. Select *Edit active service settings*.

4. Select the settings one by one and key in all the required settings according to the information that you have received from your network operator or service provider.

Appearance settings

1. While browsing, press **Options** and select *Other options* and *Appear. settings*. Or in the *Services* menu, select *Settings* and *Appearance settings*.

2. Select
   - *Text wrapping* to define whether the text continues on the next line if it cannot be shown on one line.
   - *Font size* to select the size for text shown on browser pages.
   - *Show images* to show or hide the images on browser pages.

Cookie settings

You can set the phone to allow or prevent the receipt of cookies.

A cookie is a data item, for example your user information, that the service saves in the cache memory of your phone. Cookies are deleted if you clear the cache memory, see page 86.

1. While browsing, press **Options** and select *Other options*, *Security* and *Cookie settings*. Or in the *Services* menu, select *Settings*, *Security settings* and *Cookies*.

2. Select *Allow* or *Reject*.

Making a connection to a browser service

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

   In the *Services* menu, select *Settings* and *Connection settings*. Select *Active service settings*, scroll to the desired connection set and press **Activate**.

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

- Open the start page, for example the homepage of the service provider: In the *Services* menu, select *Home*. **OR:** Press and hold `0` in standby mode.

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

  If the bookmark does not work with the current active service settings, activate another set of service settings and try again.

- Key in the address of the service: In the *Services* menu, select *Go to address*, key in the address (press `*` for special characters), and press **OK**.

Browsing the pages of a service

After you have made a connection to the service, you can start browsing its pages. The functions of the phone keys may vary in different services. Follow the text guides on the display.

If GPRS is selected as the data bearer, see GPRS connection on page 63 for the GPRS indicators shown during the connection.

Using the phone keys while browsing

- Use the scroll keys to browse through the page.

- To select a highlighted item, press `▭`.

- To key in letters and numbers, use the keys `0` to `9 wxyz`. To insert a special character, press `*`.

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

The options are: *Open*, *Shortcuts*, *Home*, *Add bookmark*, *Bookmarks* (see page 85), *Download links*, *Save to folder*, *Other options*, *Reload*, *Quit* (to end the connection, see page 84).

Select

- *Home* to return to the homepage of the service provider.
- *Shortcuts* to open a new list of options that can be, for example, specific to the page.
- *Add bookmark* to save the current page as a bookmark.
- *Download links* to view the list of bookmarks for downloading content. For more information, see step 2 in Downloading content and applications on page 14.
- *Other options* to view a list of other available options. These include *Save image*, *Use detail* (to copy, for example, a phone number from the page), *Go to address*, *Service inbox* (see page 86), *Appear. settings* (see page 82), *Security* (for security information and cookie setting), *Clear the cache* (see page 86).
- *Reload* to reload and update the current page.

Disconnecting from a browser service
To quit browsing and to end the connection, press **Options**, select *Quit* and, when *Quit browsing?* is shown, press **Yes**. **OR:** Press and hold 🔴.

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 Emptying the cache memory on page 86.

Bookmarks

To use and manage the page addresses that you have saved as bookmarks in the phone's memory:

1. While browsing, press **Options** and select *Bookmarks*, or select *Bookmarks* in the *Services* menu.
2. Scroll to the desired bookmark and press **Options**.
3. Select *Go to* to make a connection to the page associated with the bookmark. You can also, for example, edit or delete the bookmark, send it to another phone, save it in the desired folder 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.

Receiving a bookmark

When you receive a bookmark as an OTA message, press **Options** and select *View* to view the bookmark or *Save* to add it to the bookmark list To discard a bookmark received as an OTA message, press **Exit**.

Service inbox

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

To set the phone to receive service messages: In the *Services* menu, select *Settings*, *Service inbox settings*, *Service messages*, and *On*.

To set the phone to automatically fetch the content indicated in the service message: In the *Services* menu, select *Settings*, *Service inbox settings*, *Automatic connection* and *On*.

To view a service message:

1. Press **Show** to view the message immediately or press **Exit** to view it later in *Service inbox* in the *Services* menu. OR: While browsing, press **Options** and select *Other options* and *Service inbox*.

2. Scroll to the message you want and press **Options**. Select *Retrieve* to fetch the content indicated in the message, *Details* to view the details of the service message or *Delete* to delete the message.

Emptying the cache memory

In the *Services* menu, select *Clear the cache*. **OR:** While browsing, press **Options** and select *Other options* and *Clear the cache*.

Browser security

Security features may be required for some services, such as banking services. For such connections you need security certificates and possibly a security module

which may be available on your SIM card. For more information, contact your service provider.

Security module

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

In the *Services* menu, select *Settings*, *Security settings* and *Security module settings*. Select

- *Security module details* to view the security module's title, status, manufacturer and serial number.
- *Module PIN request* and *On* to set the phone to ask for the module PIN when using services provided by the security module.
- *Change module PIN* to change the module PIN, if allowed by the security module.

Certificates

The phone supports three kinds of certificates: server certificates, authority certificates and user certificates. You may receive these certificates from a service provider. Authority certificates and user certificates may also be saved in the security module by the service provider. For details and availability, contact your service provider.

When using a server certificate, the security indicator 🔒 is displayed during a connection, if the data transmission between the phone and the gateway

(identified by the *IP address* in the *Edit active service settings*) is encrypted. However, the security indicator does not indicate that the data transmission between the gateway and the content server (place where the requested resource is saved) is secure. It is up to the service provider to secure the data transmission between the gateway and the content server.

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

■ Go to (Menu 10)

In this menu, you can activate the functions that can be accessed by pressing **Go to** in standby mode.

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

To remove functions from or add more functions to the list, see Personal shortcuts on page 62.

■ SIM services (Menu 11)

For more information, contact your service provider.

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, buy a new battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

Unplug the charger from the electrical plug and the device when not in use. Do not leave the battery connected to a charger. Overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time. Temperature extremes can affect the ability of your battery to charge.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged.

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

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). A device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

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

CARE AND MAINTENANCE

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

- Keep the 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. Unauthorised antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.

All of the above suggestions apply equally to your 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

■ Operating environment

Remember to follow any special regulations in force in any area and always switch off your device when its use is prohibited or when it may cause interference or danger. Use the device only in its normal operating positions. To maintain compliance with radio frequency exposure guidelines only use enhancements approved by Nokia for use with this device. When the device is on and being worn on the body, always use an approved holder or carrying case.

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

■ Medical devices

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

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 in. (15.3 cm) be maintained between a wireless phone and a pacemaker to avoid potential interference with

the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers should:
- always keep the device more than 6 in. (15.3 cm) from their pacemaker when the device is switched on;
- not carry the device in a breast pocket; and
- hold the device to the ear opposite the pacemaker to minimise the potential for interference.

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

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

■ 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 $\boxed{\text{☎}}$ as many times as needed to clear the display and ready the device for calls.

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

4. Press the $\boxed{\text{—}}$ key.

If certain features are in use, you may first need to turn those features off before you can make an emergency call. Consult this guide or your service provider for more information.

When making an emergency call, give all the necessary information as accurately as possible. Your wireless device may be the only means of communication at the scene of an accident. Do not end the call until given permission to do so.

■ Certification information (SAR)

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES

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

The exposure standard for mobile devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit stated in the international guidelines is 2.0 W/kg*. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the device while operating can be well below the maximum value. This is because the device is designed to

operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the device.

The highest SAR value for this device when tested for use at the ear is 0.54 W/kg.

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

In order to transmit data files or messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

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

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