User's Guide

DECLARATION OF CONFORMITY
We, NOKIA CORPORATION declare under our sole responsibility that the product NHM-2NX is in conformity with the provisions of the following Council Directive: 1999/5/EC.
A copy of the Declaration of Conformity can be found from
http://www.nokia.com/phones/declaration_of_conformity/.

Includes RSA BSAFE cryptographic or security protocol software from RSA Security.

Java™ is a trademark of Sun Microsystems, Inc.

Nokia operates a policy of continuous development. Nokia reserves the right to make changes and improvements to any of the products described in this document without prior notice.

9354308 / Issue 1

Contents

4 ©2002 Nokia Corporation. All rights reserved.

8 ©2002 Nokia Corporation. All rights reserved.

FOR YOUR SAFETY

Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this manual.

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

ROAD SAFETY COMES FIRST
Don't use a hand-held phone while driving.

INTERFERENCE
All wireless phones may get interference, which could affect performance.

SWITCH OFF IN HOSPITALS
Follow any regulations or rules. Switch the phone off near medical equipment.

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

SWITCH OFF WHEN REFUELLING
Don't use the phone at a refuelling point. Don't use near fuel or chemicals.

SWITCH OFF NEAR BLASTING
Don't use the phone where blasting is in progress. Observe restrictions, and follow any regulations or rules.

USE SENSIBLY
Use only in the normal position. Don't touch the antenna unnecessarily.

QUALIFIED SERVICE
Only qualified personnel may install or repair phone equipment.

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

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

BACKUP COPIES
Remember to make backup copies of all important data.

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

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

EMERGENCY CALLS
Ensure the phone is switched on and in service. Press ⬯ as many times as needed (e.g. to exit a call, to exit a menu, etc.) to clear the display. Enter the emergency number, then press ⬯. Give your location. Do not end the call until told to do so.

■ Network services

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

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

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

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

■ Accessories

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from ACP-7, ACP-8, LCH-9 and DCV-10.

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

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

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

General information

■ Stickers on the sales package

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

Attach the [A] sticker to the Club Nokia Invitation Card, if included in the sales package.

Attach the [B] sticker to your warranty card.

■ Access codes

With the following access codes, you can avoid unauthorised use of your phone and SIM card.

• **Security code:** This code is supplied with your phone. The security code protects your phone against unauthorised use and can also be used for locking the phone's keypad, see page 25.

  The preset code is 12345. Change the code and set the phone to request it using the *Change of access codes* and *Security level* functions in the *Security settings* menu (see page 55). Keep the new code secret and in a safe place, separate from your phone.

• **PIN code:** This code is supplied with the SIM card. It protects the SIM card against unauthorised use. If you activate the *PIN code request* function in the *Security settings* menu (see page 55), 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. Key in the PUK code and press **OK**. Key in a new PIN code and press **OK**. Key in the new code again and press **OK**.

- **PIN2 code:** This code may be supplied with the SIM card and is required to access some functions, such as charging unit counters. If you enter an incorrect PIN2 code three times in succession, you are asked for the PUK2 code.

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

- **Barring password:** The barring password is needed when using *Call barring service* in the *Security settings* menu (see page 55). You can obtain this password from your service provider.

■ Typographics used in this user's guide

The texts that appear on the phone display are printed in blue, for example *Calling*.

The display texts related to the selection keys ⬛ and ⬛ are printed in bold blue, for example **Menu**.

1. Getting started

■ Keys

The basic functions of the phone's keys are described below. More information is given throughout this user's guide.

Power key ⓘ (on top of the phone): Press and hold this key to switch the phone on or off. If you press this key briefly in standby mode or during a call, a list of profiles is displayed.

Scroll keys ⌄ and ⌃: In standby mode, use these keys to browse through the names and phone numbers that are saved in the phone book. In the menu functions, use these keys to browse through the menus and settings.

Selection keys (⬎ and ⬏): Each key performs the function that is displayed above it. For example, pressing **Menu** opens the list of menu functions.

⬎: Answers a call and dials the displayed phone number. Pressing this key in standby mode shows a list of the most recently dialled numbers.

⬏: Ends or rejects a call and exits from a function.

⓪ - ⑨: These keys are used to key in numbers and letters. Pressing and holding ① calls your voice mailbox.

⌗ and **: These keys are used for various purposes in different functions.

■ Display and standby mode

The indicators described below are displayed when the phone is ready for use and no characters have been keyed in by the user. When this display is shown, the phone is said to be in 'standby mode'.

1. Indicates the cellular network in which the phone is currently being used.

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

3. Shows the battery charge level.

4. Shows the function of the left selection key (**Menu**).

5. Shows the function of the right selection key (**Names**).
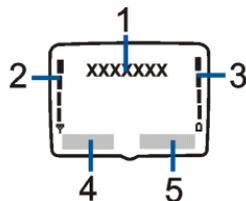
Other essential indicators

- ✉ You have received a text or picture message.

- ☎ You have received a voice message.

- 🕭 The phone will not ring or beep when you receive a call since all the phone tones are turned off.

- 🔒 The phone's keypad is locked.

- ☀ The alarm clock is on. The alarm tone will be heard even if the all the phone tones are turned off.

- ↵ All your calls are diverted.

15

☛   Your calls are limited to a closed user group (network service).

🎧   A headset is connected to your phone.

📟   The countdown timer is running.

⏱   The stopwatch is running.

■ Installing the SIM card and the battery

- Keep all miniature SIM cards out of the reach of small children.
- The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.
- Before installing the SIM card, always make sure that the phone is switched off and then remove the battery.
1. Press the release button (1), slide the cover (2), and lift it off the phone (3).
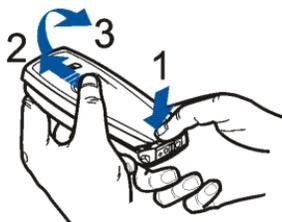
2. Push the two catches in opposite directions (4), and lift the battery out of the phone (5).
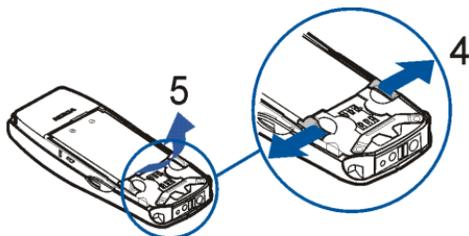
3. Slide the SIM card carefully into the card slot (6).

   Make sure that the golden connectors on the card are facing downwards and that the bevelled corner is on the left.
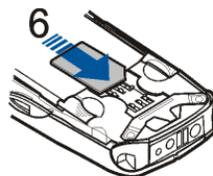
4. Align the golden connectors on the battery with the corresponding connectors on the phone, and push the opposite end of the battery until the battery snaps into place (7).

5. Insert the two catches of the back cover into the corresponding slots on the phone (8). Slide the cover towards the end of the phone until the cover locks into place (9).
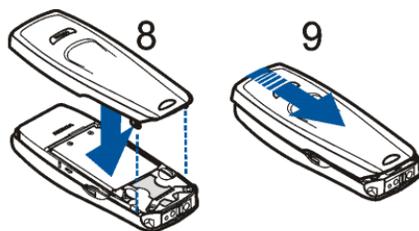
■ Charging the battery

- Do not charge the battery when either of the phone covers is removed. See also Battery statements on page 80.

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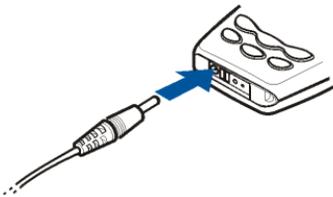
2. Connect the charger to an AC wall outlet. The battery indicator bar starts scrolling.

- Charging the battery supplied with the phone may take up to six hours when using the ACP-7 charger.

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

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

■ Switching on or off

Press and hold the $\textcircled{1}$ key.

If the phone requests a PIN code or security code:
Key in the code and press **OK**.

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

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

19

■ Changing the covers

- Before changing the cover, always switch off the power and disconnect the phone from the charger or any other device.

- Always store and use the phone with the covers attached.

1. Press the release button (1), slide the cover (2) and lift it off the phone (3).

2. Gently pull the front cover off the phone starting from the bottom of the phone (4).

3. Insert the keypad mat into the front cover (5).
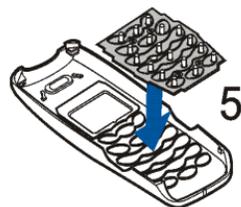
4. Align the top of the phone with the top of the front cover (6) and push the phone towards the cover until it locks into place (7).

5. Insert the two catches on the back cover into the corresponding slots on the phone (8). Slide the cover until it locks into place (9).
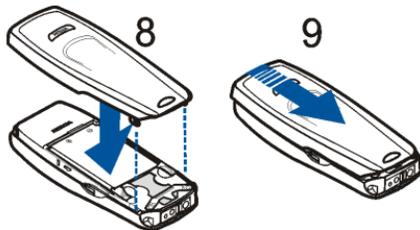
2. Basic functions

■ Making and answering calls

Making a call

1. Key in the area code and phone number. To edit a number, press $\odot$ or $\odot$ to move the cursor or **Clear** to delete the character to the left of the cursor.

   To call abroad: Press $\ast$ twice for the + character (replaces the international prefix) and key in the country code, area code (omit the leading 0 if necessary) and phone number.

2. Press $\searrow$.

   To adjust the volume: Press $\odot$ to increase or $\odot$ to decrease the earpiece volume.

3. Press $\nearrow$ to end the call or to cancel the call attempt.

Calling a phone number saved in the phone book

Press $\odot$ or $\odot$ in standby mode. Key in the first letter of the name that has been saved with the phone number. Scroll to the name with $\odot$ or $\odot$. To view the phone number, press **Details** or press and hold $\ast$. Press $\searrow$ to make the call.

See also Searching names and phone numbers on page 31.

Calling a recently dialled number

To call one of the 20 phone numbers you have most recently called or attempted to call: Press $\searrow$ in standby mode, scroll to the desired phone number or name, and press $\searrow$.

22 ©2002 Nokia Corporation. All rights reserved.

Calling your voice mailbox

In standby mode, press and hold ①⃝. You can obtain the voice mailbox number from your service provider. See also Voice mailbox number on page 47.

Voice dialling

You can dial a phone number by saying one or more words that are attached to it. See Voice dialling on page 33.

Speed dialling

If you have assigned a phone number to one of the speed dialling keys (②abc to ⑨wxyz), you can call that phone number as follows:

- In standby mode, press the speed dialling key and 🔽. **OR:**

- If the *Speed dialling* function in the *Call settings* menu (see page 52) is set on, press and hold the speed dialling key in standby mode until the call is started.

See also Assigning a phone number to a speed dialling key on page 32.

Making a conference call

Conference call is a network service that allows up to six people to participate in the same call.

1. During a call, press **Options** and select *New call*.

2. Key in the phone number, or search for it in the phone book, and press **Call**. The first call is put on hold.

3. When the new call has been answered, join the first participant in the conference call by pressing **Options** and by selecting *Conference*.

4. To add a new participant to the call, repeat steps 1, 2 and 3.

23

Basic functions

5. To have a private conversation with one of the participants:

   Press **Options** and select *Private*. Select the participant and press **OK**. After the conversation, return to the conference call as described in step 3.

6. To end the conference call, press 📞.

Answering or rejecting a call

Press 📞 to answer the call. To ignore the call, press **Silence**. To reject the call, press 📞.

The rejected call will be diverted, for example, to your voice mailbox, 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 service* function in the *Call settings* menu (see page 52).

While in a call, press **Answer** or 📞. Or: Press **Options** and select *Answer*. The first call is put on hold.

To switch between the two calls, press **Swap** or 📞. To reject the waiting call, press **Options** and select *Reject*. To end the active call, press 📞.

Functions available during a call

The functions described below can be used during a call. Some of these functions are network services. Not all the functions are available at the same time.

During a call, press **Options** and select one of the following functions: *Mute* or *Unmute*, *Hold* or *Unhold*, *Send DTMF*, *New call*, *Answer*, *Reject*, *Swap*, *End call*, *End all calls*, *Phone book*, *Menu*, *Conference*, *Private*.

Use *Send DTMF* to send DTMF tone strings.

■ Locking the keypad

You can lock the keypad to avoid accidental keypresses, for example, when the phone is in your handbag, or to avoid unauthorised use of your phone.

To avoid accidental keypresses:

• Press **Menu** and then $(*_+)$ quickly in standby mode. **OR:**

  You can also set the phone to automatically lock the keypad if the phone has not been used for a certain length of time: Press **Menu** in standby mode and select *Settings*, *Keyguard settings*, *Automatic keyguard* and *On*. Key in the delay time in minutes and seconds, and press **OK**. The keypad lock is turned on when the phone is in standby mode.

• To unlock the keypad: Press **Unlock** and then $(*_+)$ quickly in standby mode.

To avoid unauthorised use of your phone:

• First, activate the keyguard code: Press **Menu** in standby mode and select *Settings*, *Keyguard settings* and *Keyguard code*. Key in the security code and press **OK**. Select *On*.

  Then, lock the keypad: Press **Menu** and then $(*_+)$ quickly in standby mode.

• To unlock the keypad: Press **Unlock** in standby mode. Key in the security code and press **OK**.

When the keypad is locked:

• The indicator $\blacksquare\!\!\!0$ is shown.

• To answer a call, press $\bigcirc$, When you end or reject a call, the keypad will be automatically locked.

• The HDC-5 headset can be used normally.

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

■ Writing text

You can key in characters by pressing a letter key once for each character (predictive text input) or by pressing a letter key one or more times for each character (traditional text input).

By pressing a key once for each character (predictive text input)

Predictive text input is a fast way to write, for example, text messages (see page 40) and reminder notes (see page 57). This input method uses a dictionary that is built into the phone.

Selecting a dictionary for predictive text input
Press **Menu** in standby mode and select *Messages* and *Write message*. Press **Options**, and select *Dictionary* and the desired language.

Turning predictive text input off
Press **Menu** in standby mode, and select *Messages* and *Write message*. Press **Options**, and select *Dictionary* and *Dictionary off*.

Using predictive text input
To use this input method, check that ⌨ is shown at the top of the display.

1. Write the desired word by pressing the appropriate key once for each letter.

   For example, to write 'Nokia', press 6mno 6mno 5jkl 4ghi 2abc.

Since the word changes after each keypress, do not pay attention to what happens on the display before you have keyed in the whole word.

- To move the cursor to the left or right, press $\bigcirc$ or $\bigcirc$ respectively.

- To delete the character on the left of the cursor, press **Clear**. Press and hold **Clear** to delete all the characters.

- To switch between letter cases, press $\bigcirc^{\#}$ repeatedly and check the indicator, for example **ABC**, at the top of the display.

- To insert a punctuation mark, press $\bigcirc_{\infty}$ and then $\bigodot_{+}$ repeatedly until the desired punctuation mark is displayed.

- To insert a special character: Press and hold $\bigodot_{+}$, scroll to the desired character and press **Use**.

- To insert a number, press and hold the desired number key. To insert several numbers, press and hold $\bigcirc^{\#}$ and key in the numbers. To continue writing text, press and hold $\bigcirc^{\#}$.

- To use traditional text input, press $\bigcirc^{\#}$ twice. To return to predictive text input, press $\bigcirc^{\#}$ twice.

2. If the displayed word is the one you want, press $\bigcirc$ (a space is inserted) or $\bigcirc$ and write the next word.

- To change the word, press $\bigodot_{+}$ repeatedly until the desired word appears.

- If the ? character is shown after the word, no more words in the dictionary correspond to your keypresses. To add the word into the dictionary: Press **Spell**, key in the word using traditional text input and press **OK**.

- To edit the previous word, press $\bigcirc$ to select it and modify it.

27

3. If the text **Options** is shown above ⬉, you can press this key to access the following options related to predictive text input:

Matches: Shows a list of words that correspond to your keypresses. Scroll to the word you want and press **Use**.

Insert word: You can key in a word using traditional text input and add it to the dictionary.

Insert number: You can key in numbers by pressing each number key once.

Insert symbol: You can select a special character from a list. Scroll to a character such as % and press **Use**.

Writing compound words
Write the first half of the word, press ⬇ and write the second half.

By pressing a key one or more times for each character (traditional text input)
To use this input method, check that ✎ is shown at the top of the display.

Press a key (1ₐₒ to wxyz9) one or more times until the desired character is displayed. Not all available characters are printed on the keys. The characters available depend on the *Language* setting selected in Phone settings, see page 54.

- To insert a space, press 0.
- To key in a letter that is under the same key as the previous one, press ⬇ or ⬆ (or wait for one second) and key in the letter.
- To add a punctuation mark or a special character, press 1ₐₒ repeatedly. Alternatively: Press *₊, scroll to the desired character and press **Use**.
- To move the cursor to the left or right, press ⬆ or ⬇ respectively.

- To delete the character on the left of the cursor, press Clear. Press and hold Clear to delete all the characters.
- To insert a number, press and hold the desired key. To insert several numbers, press and hold ⟨⟩ and key in the numbers. To continue writing text, press and hold ⟨⟩.
- To switch between letter cases, press ⟨⟩ repeatedly and check the indicator at the top of the display.

29

3. Phone book (Names)

You can save names and phone numbers in the phone or on the SIM card. The phone offers several functions for managing the names and phone numbers that have been saved.

■ Using the phone book functions

To access the phone book functions, press **Names** in standby mode and select the function you want.

Some phone book functions can also be accessed as follows: Press ⊙ or ⊙ in standby mode, scroll to the desired name, press **Details**, scroll to the name or phone number, press **Options** and select the desired function.

To access the phone book functions during a call, press **Options** and select *Phone book*.

Selecting the phone book settings

Press **Names** in standby mode, and select *Settings* and one of the following functions:

- *Memory in use* to choose the phone book where you want to save names and phone numbers: *SIM card* or *Phone*.
- *Phone book view* to choose how the phone book contents are displayed: *Name list* (three names at a time), *Name and no.* (one name and number at a time), *Large font* (one name at a time).
- *Memory status* to check how many names and phone numbers are saved and how many can still be saved in each phone book.

Searching names and phone numbers

Press **Names** in standby mode and select *Search*. Key in the first letter of the name and press **OK**. Press ⊙ or ⊙ to scroll to the name. To view the phone number that was saved with the name, press **Details** or press and hold ⊙#.

- If the name and phone number are saved on the SIM card, ▢ is shown on the top right of the display. If the name and phone number are saved in the phone, ▜ is shown instead.
- To search for names and phone numbers in standby mode: Press ⊙ or ⊙, key in the first letter of the name and scroll to the name. See also Calling a phone number saved in the phone book on page 22.

Calling a service number

You can call the service numbers of your service provider if these numbers are available on your SIM card. Press **Names** in standby mode and select *Service nos.*. Select the service number you want to call and press **Call** or ⤸.

Saving names and phone numbers

Press **Names** in standby mode and select *Add name*. Key in the name (see Writing text on page 26) and press **OK**. Key in the area code and phone number, and press **OK**.

If you want to use the phone number while abroad, press ✱₊ twice (for a + character) and then key in the country code, area code (omit the leading 0, if necessary) and phone number.

☀ **Quick save:** In standby mode, key in the phone number and press **Save**. Key in the name and press **OK**.

Erasing names and phone numbers

Press **Names** in standby mode and select *Erase*. Select *One by one* to delete the names and numbers one by one or *Erase all* to delete all the names and numbers from the phone book.

Copying names and phone numbers

Press **Names** in standby mode and select *Copy*. Press ⌄ or ⌃ to select the copying direction. Select *One by one* to copy the names and phone numbers one at a time or *All* to copy them all at once. Select whether you want to keep the original names and numbers (*Keep original*) or erase them (*Move original*).

- If you selected *One by one*, scroll to the name you want to copy and press **Copy**.
- If you selected *All*, start the copying by pressing **OK** when *Start copying?* is displayed.

Assigning a ringing tone to a name and phone number

You can set the phone to play a specific ringing tone when you receive a call from a particular phone number.

Press **Names** in standby mode and select *Assign tone*. Scroll to a name or phone number and press **Assign**. Scroll to the ringing tone you want and press **OK**. *Default* is the ringing tone that you have selected for the active profile in Profiles (Menu 3).

Assigning a phone number to a speed dialling key

You can set the keys ⓐ2abc to ⓦwxyz9 to work as speed dialling keys.

Press **Names** in standby mode and select *Speed dials*. Scroll to the key you want, press **Assign** and select a name or phone number.

If a phone number is already assigned to a key, you can view or change the number or erase the assignment by first pressing **Options**.

To make a call using speed dialling, see Speed dialling on page 23.

Voice dialling

You can dial a phone number by saying one or more words ('voice tag') attached to it. The voice tag can be, for example, a name. Up to eight phone numbers in the phone book can have voice tags at the same time.

Before using voice dialling, note that:

• Voice tags are not language dependent. They are dependent on the speaker's voice.

• Voice tags are sensitive to background noise. Record them and make calls in a quiet environment.

• When recording a voice tag or making a call by saying a voice tag, hold the phone in the normal position near to your ear.

• Very short names are not accepted. Use long names and avoid similar names for different numbers.

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

Recording a voice tag

Scroll to the desired name or phone number in standby mode, and press **Details** and **Options**. Select *Add voice tag*. Press **Start** and clearly say the word(s) you want to record as the voice tag.

Voice tags are stored in the phone and are removed when you insert another SIM card into the phone.

Making a call using a voice tag

Press and hold **Names** in standby mode. Say the voice tag clearly while holding the phone in the normal position near to your ear. The phone plays the voice tag and dials the related phone number.

If no match for the voice tag is found or recognised, press **Yes** to say the voice tag again or **Exit** or to return to standby mode.

If you use the HDC-5 headset, press and hold the headset button until you hear a short tone and then say the voice tag clearly.

Other voice tag options

Press **Names** in standby mode and select *Voice tags*, the desired name or phone number and *Playback*, *Change* or *Erase*.

Sending a name and phone number

You can send a name and phone number ('business card') as a text message to a compatible phone.

Press or in standby mode, scroll to the name or phone number that you want to send, press **Details** and **Options**, and select *Send bus. card*. Key in the recipient's phone number or search for it in the phone book, and press **OK**.

Editing a name and phone number

Press or in standby mode, scroll to the name or phone number you want to edit, press **Details**, scroll to the name or phone number, press **Options** and select *Edit*. Edit the name or phone number and press **OK**.

4. Menu functions

Your phone offers a range of functions that allow you to tailor it to your needs. These functions are grouped into menus and submenus.

■ Accessing a menu function

By scrolling

1. Press **Menu** in standby mode.
2. Press ⬇ or ⬆ to scroll to a main menu, for example *Settings*, and press **Select** to choose it.
3. Scroll to a submenu, for example *Call settings*, and press **Select** to choose it.
4. Scroll to a function, for example *Speed dialling*, and press **Select** to choose it.
5. Scroll to a setting, for example *Off*, and press **OK** to confirm it. If you do not want to change the setting, press **Back**.

By shortcut number

You can access most of the main menus, submenus, functions and setting options by keying in a shortcut number. This number is shown on the top right of the display.

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

■ Exiting a menu function

To return to the previous menu level, press **Back**. To exit the menu and return to standby mode, press
⌒.

■ List of menu functions

1. Messages

1. Write message
2. Inbox
3. Outbox
4. Chat
5. Picture messages
6. Download picture message
7. Templates
8. Smileys
9. Erase messages
10. Message settings
    1. Profile 1[1]
       1. Message centre number
       2. Messages sent as
       3. Message validity
       4. Rename sending profile
    2. Common[2]
       1. Delivery reports
       2. Reply via same centre
       3. Character support

11. Info service
12. Voice mailbox number[3]
13. Service command editor

2. Call register

1. Missed calls
2. Received calls
3. Dialled numbers
4. Erase recent call lists
5. Call duration
    1. Last call duration
    2. All calls' duration
    3. Received calls' duration
    4. Dialled calls' duration
    5. Clear timers
6. Call costs
    1. Last call cost
    2. All calls' cost
    3. Clear counters
7. Call cost settings
    1. Call cost limit

---

1. The number and names of sending profiles may vary. Each profile appears in its own submenu.
2. The shortcut number depends on the number of sending profiles available.
3. May not be shown if the voice mailbox number has been saved on the SIM card by your network operator or service provider.

37

2. Show costs in

8. Prepaid credit

3. Profiles

4. Settings

  1. Tone settings
     1. Ringing tone
     2. Download tone
     3. Ringing volume
     4. Incoming call alert
     5. Message alert tone
     6. Keypad tones
     7. Warning tones
     8. Vibrating alert
     9. Rhythmic backlight alert
  2. Time settings
     1. Clock
     2. Date setting
     3. Auto update of date & time
  3. Call settings
     1. Call divert[1]
     2. Automatic redial
     3. Speed dialling
     4. Call waiting service
     5. My number sending

6. Line for outgoing calls

4. Phone settings
   1. Language
   2. Cell info display
   3. Welcome note
   4. Network selection
   5. Confirm SIM svc actions

5. Accessory settings[2]
   1. Headset
      • Default profile
      • Automatic answer
   2. Handsfree
      • Default profile
      • Automatic answer
      • Lights

6. Keyguard settings
   1. Automatic keyguard
   2. Keyguard code

7. Security settings
   1. PIN code request
   2. Call barring service
   3. Fixed dialling
   4. Closed user group
   5. Security level
   6. Change of access codes

---

1. The divert options that are not supported by your network operator may not be shown.
2. Shown only if the phone is or has been connected to a compatible accessory.

8. Restore factory settings

5. **Downloads**

6. **Reminders**

7. **Games**

8. **Applications**

9. **Extras**

    1. Alarm clock

    2. Calculator

    3. Stopwatch

    4. Countdown timer

    5. Composer

    6. Picture editor

    7. Screen saver

10. **Services**

11. **SIM services**[1]

---

1. The availability, name and contents depend on the SIM card used.

■ Messages (Menu 1)

In this menu you can write, read and manage text and picture messages. You can also listen to voice messages and change message settings.

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

Before you can send text or picture messages, you need to save your message centre number on the phone, see page 45.

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

Writing and sending a text message (Write message)

You can write and send text messages that may contain almost three ordinary text messages (network service).

Invoicing is based on how many ordinary messages are needed for such a 'multi-part' message.

1. Press **Menu** in standby mode, and select *Messages* and *Write message*.

2. Write the message, see Writing text on page 26. The number of available characters and the number of the current message part are shown on the top right of the display.

   By pressing **Options** you can access the following functions that help you to write the message: *Use template* (see page 44), *Insert smiley*, *Insert word*, *Insert number*, *Insert symbol*, *Dictionary* (see page 26).

3. When the message is complete, press **Options** for the following functions that you can use for sending the message: *Send*, *Send to many* or *Sending profile*.

- Select *Send* to send the message to the desired recipient. Key in the recipient's phone number and press **OK**.
- Select *Send to many* to send the message to several people. Scroll to the first recipient and press **Send**. Repeat this for each recipient.
- Select *Sending profile* to send the message using a predefined set of settings. See Message settings on page 45.

In addition to the functions described above, pressing **Options** allows access to the *Save* and *Erase* functions.

- Select *Save* to save the message in the *Outbox* menu.
- Select *Erase* to delete all the characters from the display.

Reading a text message (Inbox)

When you receive a text message, you hear a message alert tone and the number of new messages as well as 🖂 are shown in standby mode.

1. Press **Read** to view the message immediately. If you want to read the message later, press **Exit** or 📞.

   To read the message later, press **Menu** in standby mode, and select *Messages* and *Inbox*.

2. Scroll to the message you want to read and press **Read**.

3. Use 🔽 or 🔼 to browse through the message.

4. While reading the message, you can press **Options** for the following functions: *Erase*, *Reply*, *Chat* (see page 42), *Edit*, *Use number*, *Use URLs*, *As reminder*, *Forward*, *Details*.

©2002 Nokia Corporation. All rights reserved.

41

- Select *Use number* to copy a phone number from the message to standby mode for calling or saving.
- Select *Use URLs* to copy a URL (Unique Resource Locator) address from the message to the bookmark list in the *Services* menu, see page 69.
- Select *As reminder* to add the message as a new reminder to the *Reminders* menu.

Viewing messages you have saved (Outbox)

In the *Outbox* menu, you can view the messages that you have saved in the *Write message* menu. If you press **Options**, you can use the same functions as in the *Inbox* menu, except for *Reply*, *Chat* and *Details*.

Chat

Chat is a fast way to have a conversation using text messages.

Note that the messages received during a chat are not saved in the *Inbox* menu.

1. Press **Menu** in standby mode, and select *Messages* and *Chat*. Or: When reading a text message, press **Options** and select *Chat*.
2. If you started the chat from standby mode, key in the other person's phone number or search for it in the phone book, and press **OK**.
3. Key in the nickname you want to use for the chat (see Writing text on page 26), and press **OK**.
4. Write your message and send it by pressing **Options** and selecting *Send*.
5. The reply from the other person is shown above the message you sent. To reply to the message, press **OK**, write your message and send it by pressing **Options** and selecting *Send*.

When writing a message, you can press **Options** and select

- *Chat name* to edit your nickname
- *Chat history* to view the previous messages. Messages that you sent are indicated by "<" and your nickname. Messages that you received are indicated by ">" and the sender's nickname.

Picture messages

You can send and receive text messages that contain pictures (network service).

For downloading pictures from WAP pages, see *View image* in Browsing the pages of a WAP service on page 73.

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

Each picture message is made up of several text messages. Therefore, sending one picture message may cost more than one text message.

Since picture messages are saved in the phone, you cannot view them if you use the SIM card with another phone.

When you receive a picture message

To view the message immediately, press **View**. You can save the message in the *Picture messages* menu by pressing **Save** or delete it by pressing **Back** and **Exit**.

Sending a picture message

Press **Menu** in standby mode, and select *Messages* and *Picture messages*. Scroll to a preset picture message that you want to edit and press **View**. Press **Options**, select *Edit text* and write the message.

While writing the message, you can edit the picture by pressing **Options** and selecting *Edit picture*. To view the whole message, press **Options** and select *Preview*. To send the message, press **Options** and select *Send*.

Downloading picture messages

You can fetch ('download') new preset picture messages from the WAP service of Club Nokia. This function is only included if this WAP service is available in your country.

Press **Menu** in standby mode, and select *Messages* and *Download picture message*.

If the WAP connection fails and an error message such as *Check service settings* is displayed, change the active set of connection settings in the *Services* menu and enter this menu to try the connection again. See also Downloads (Menu 5) on page 57 and WAP services (Services - Menu 10) on page 69.

Templates

You can view, edit or erase the preset messages ('templates') that are available for writing messages.

Press **Menu** in standby mode, and select *Messages* and *Templates*. Scroll to the template you want to use and press **Read**. To edit or erase the template, press **Options** and select the desired function.

When editing a template, pressing **Options** allows access to a further set of functions, including *Send* and *Save*.

If you want to create a template from scratch, select one of the empty templates at the end of the template list.

Smileys

You can create smileys such as ':-)' that you can use when writing or replying to a message.

Press **Menu** in standby mode, and select *Messages* and *Smileys*. Scroll to the desired smiley and press **Read**. Press **Options** and select *Edit*. Change the smiley to your liking (press and hold 🔘✱₊ for special characters). Pressing **Options** allows access to a further set of functions, including *Save*.

Erasing text messages

You can delete text messages that have been read from the *Inbox* menu, all text messages from the *Outbox* menu or both (*All read*).

Press **Menu** in standby mode, and select *Messages* and *Erase messages*. Scroll to the desired option and press **OK**.

Message settings

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

Press **Menu** in standby mode, and select *Messages* and *Message settings*. Select a sending profile or *Common*.

Profile[1]

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

Each profile has the following settings:

- *Message centre number* to save the phone number that is needed for sending text and picture messages. You can obtain this number from your service provider.
- *Messages sent as* to select the message format (network service).

---

1. The number and names of sending profiles may vary. Each profile appears in its own submenu.

45

- *Message validity* to select the amount of time that your messages are stored at the message centre (network service).

- *Rename sending profile* to change the name of the sending profile.

Common

The settings in this submenu apply to all text messages that you send, irrespective of the chosen sending profile.

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

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

- Select *Character support* and then *Unicode* if you want to send messages that contain Russian characters or special characters, such as ñ, used in Romance and Slavic languages. The receiving phone has to be able to display Unicode characters and your network has to support this function.

Info service

This network service allows you to receive messages on various topics, such as traffic conditions, from the network. For details, contact your service provider.

Press **Menu** in standby mode, and select *Messages* and *Info service*.

- Select *On* to receive messages on the active topics.

- Select *Topic index* to set the phone to receive a list of available topics from the network.

- Select *Topics* to mark the topics as active or inactive, add a new topic to the list, or edit or erase the existing topics.

• Select *Language* to choose the language for the messages. Only messages in the selected language will be shown.

Voice mailbox number

You can save the phone number of your voice mailbox (network service).

Press **Menu** in standby mode, and select *Messages* and *Voice mailbox number*. Key in the number and press **OK**.

Service command editor

You can send service requests to your service provider.

Press **Menu** in standby mode, and select *Messages* and *Service command editor*. Key in the desired characters. Press and hold to switch between letters and numbers. Press **Send** to send the request.

■ Call register (Menu 2)

In this menu you can view the phone numbers registered by the phone and the approximate length and cost of your calls. You can also view and change the settings of a prepaid SIM card.

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

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

When you press **Options** in the *Missed calls*, *Received calls* or *Dialled numbers* menu, you can view the time of the call and edit or view the registered phone number, save it in the phone book or delete it

from the list of registered phone numbers. You can also send a text message to the caller (*Send message*).

- *Missed calls*: This network service shows the 10 phone numbers from which somebody has most recently tried to call you with no success.

- *Received calls*: This network service shows the 10 phone numbers from which you have most recently accepted calls.

- *Dialled numbers*: Shows the 20 phone numbers that you have most recently called or attempted to call.

- *Erase recent call lists*: You can delete all the phone numbers and names from Menus 2-1 to 2-3.

   The phone numbers are also erased if you

   - switch on the phone with a SIM card inserted that is not one of the five SIM cards that you have used most recently with the phone
   - change the *Security level* setting, see Security settings on page 55.

- *Call duration*: Shows the approximate duration of your outgoing and incoming calls. You can reset these call timers by selecting *Clear timers*.

   Note: The actual time invoiced for calls by your service provider may vary, depending upon network features, rounding-off for billing, and so forth.

- *Call costs*: This network service shows the approximate cost of your last call or all calls in terms of the units that you have set with the *Show costs in* function in the *Call cost settings* menu. You can reset these cost counters by selecting *Clear counters*.

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

- *Call cost settings*: With the *Call cost limit* function you can limit the call costs to an amount of charging units or units of currency (network service). With the *Show costs in* function you can select the units in which the phone shows the remaining talk-time. Contact your service provider for charging unit prices.

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

- *Prepaid credit*: If you use a prepaid SIM card, you can only make calls if there are sufficient credit units on the SIM card (network service). Options: *Credit info display* (to show or hide remaining units in standby mode), *Credit available* (to view the amount of remaining units), *Last event costs*, *Recharge status*.

■ Profiles (Menu 3)

You can set all the phone tones to function in a specific manner by selecting the desired setting group ('profile').

You can easily change the settings of the active profile in the *Tone settings* menu (see page 52).

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

Activating a profile

1. Select the profile that you want to use. For example, select the *Silent* profile if you want to turn off all the phone tones.

   Some of the profiles can be replaced with profiles that you may receive, for example, from your service provider. For availability and compatibility, contact your service provider or other profile provider.

2. Select *Activate*.

   To quickly activate a profile in standby mode or during a call: Press ⓘ quickly, scroll to the desired profile and press **OK**.

Changing the settings of a profile

1. Select the profile whose settings you want to change.

2. Select *Personalise*.

3. Select one of the following settings and change it to your liking.

   - *Ringing tone*: You can select the tone that rings when you receive a call.

   - *Download tone*: You can download new ringing tones from the WAP service of Club Nokia. This function is shown only if the WAP service is available in your country.

     If the WAP connection fails and an error message such as *Check service settings* is displayed, change the active set of connection settings in the *Services* menu and enter this menu to try the connection again. See also Downloads (Menu 5) on page 57 and WAP services (Services - Menu 10) on page 69.

   - *Ringing volume*: You can select the volume level for the ringing tones and message alert tones.

- *Incoming call alert*: You can select the way the phone notifies you of incoming calls. For example, if you select *Off*, the phone remains silent when you receive a call.

- *Message alert tone*: You can select the tone you hear when you receive a message. If you want to select the tone from the ringing tone list, select *Personal* and the desired tone.

- *Keypad tones*: You can select the volume for keypad tones.

- *Warning tones*: You can set the phone to sound tones, for example, when the battery is running out of power.

- *Vibrating alert*: You can set the phone to vibrate when you receive a call or a message. If you select *Rhythm*, the phone will vibrate in the rhythm of the selected ringing tone or message alert tone. The vibrator does not operate when the phone is connected to a charger or a desktop stand.

- *Rhythmic backlight alert*: You can set the backlights of the phone to flash in the rhythm of the selected ringing tone or message alert tone when you receive a call or a message.

- *Screen saver*: You can select a picture or animation that is shown in standby mode after a certain length of time. For more information, see Screen saver on page 68.

  The use of an animation as a screen saver uses battery power, which reduces the operation time of your phone.

- *Rename*: You can edit the name of the profile. The *General* profile cannot be renamed.

■ Settings (Menu 4)

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

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

Tone settings

You can change the tone settings of the currently selected profile.

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

The settings in this menu are the same as in the *Profiles* menu, except for *Screen saver* and *Rename*.

Time settings

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

- *Clock*: You can set the time, select the 12-hour or 24-hour time format or set the phone to show the current time in standby mode. If the battery is removed from the phone, you may need to set the time again.

  The clock settings affect the *Alarm clock* and *Reminders* functions.

- *Date setting*: You can set the date.

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

Call settings

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

- *Call divert*: You can divert your incoming calls to your voice mailbox or another phone number (network service).

Select the desired divert option. You can set the divert option on (*Activate*) or off (*Cancel*), check whether the option is activated (*Check status*), or select a time delay for it (not available for all divert options).

If you selected *Activate*, select where the calls are to be diverted to. If you selected *Check status*, press **Number** to view the phone number to which the calls are diverted.

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

- *Automatic redial*: You can set your phone to make up to ten attempts to connect a call after an unsuccessful call attempt.
- *Speed dialling*: When this function is on, you can dial the names and phone numbers assigned to the speed dial keys ②abc to ⑨wxyz by pressing and holding the corresponding key.
- *Call waiting service*: When this network service is activated, the network notifies you of a new incoming call while you have a call in progress.
- *My number sending*: You can set your phone number to be displayed (*On*) or hidden (*Off*) from the person you are calling (network service). If you select *Preset*, the phone will use the setting that you have agreed with your service provider.
- *Line for outgoing calls*: With this network service you can select the phone line (that is, subscriber number) 1 or 2 for making calls or prevent line selection, if supported by your SIM card. Calls on both lines can be answered regardless of the selected line.

  You cannot make calls if you select line 2 and you have not subscribed to this network service. When line 2 is selected, **2** is shown in standby mode.

  Tip: In standby mode, you can switch between the lines by pressing and holding ⌗.

Phone settings

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

- *Language*: You can select the language for the display texts.

- *Cell info display*: You can set the phone to indicate when it is used in a network based on Micro Cellular Network (MCN) technology (network service). In such a network, local calls may cost less than normal.

- *Welcome note*: You can write a note that is shown briefly when the phone is switched on.

- *Network selection*: You can set the phone to automatically select a cellular network that is available in your area, or you may select the desired network from a list (*Manual*).

  The selected network must have a roaming agreement with your home network. If no such agreement exists, *No Access* will be displayed and you must select another network.

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

- *Confirm SIM svc actions*: You can set the phone to show confirmation messages (*Yes*) when you use SIM card services. See also page 79.

Accessory settings

You can define the default settings that the phone uses when it is connected to a compatible accessory. This menu is shown only if the phone is used or has been used with such an accessory.

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

Select the accessory *Headset* or *Handsfree*. Next, select

- *Default profile* to choose the profile that the phone uses when the accessory is connected.

- Select *Automatic answer* to set the phone to automatically answer an incoming call after one ring.

- Select *Lights* to set the display and keypad lights on or off. This setting is only available for the *Handsfree* accessory.

Keyguard settings

You can set the phone to automatically lock the keypad if the phone is not used for a certain length of time (*Automatic keyguard*), or you can lock the keypad manually by using the security code of your phone (*Keyguard code*).

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

If you select *Keyguard code*, key in the security code and press **OK**. Select *On* to activate the keyguard code. If you remove the battery from your phone, you need to activate the keyguard code again.

For more information, see Locking the keypad on page 25.

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

Security settings

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

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

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

55

- *Call barring service*: With this network service you can restrict the calls that are made and received with your phone. Select the desired barring option and set the option on (*Activate*) or off (*Cancel*), or check whether the barring option is activated (*Check status*).

- *Fixed dialling*: You can restrict your outgoing calls to selected phone numbers, if allowed by your SIM card. Select *Numbers* to check the phone numbers (*Search*), add new numbers to the fixed dialling list (*Add name*) or clear the list (*Erase all*).

- *Closed user group*: This network service specifies a group of people whom you can call and who can call you. Select *Default* to set the phone to use the group that you have agreed with your service provider. For more information, contact your network operator or service provider.

- *Security level*: You can set the phone to ask for the security code when a new SIM card is inserted into the phone (*Phone*) or when you select the internal phone book (*Memory*). When you change this setting, the numbers in Menus 2-1 to 2-3 are cleared.

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

  Note that you should avoid using access codes similar to the emergency numbers, such as 112, to prevent accidental dialling of the emergency number.

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**.

■ Downloads (Menu 5)

You can fetch ('download') new ringing tones, games and pictures from the WAP service whose address may be pre-defined in the phone. The WAP service is provided by Club Nokia or another service provider. This menu is shown only if the WAP service is available in your country.

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

1. Select the items that you want to download. The phone tries to connect to the WAP service using the active set of connection settings.

   If the WAP connection fails and an error message such as *Check service settings* is displayed, change the active set of connection settings in the *Services* menu and enter this menu to try the connection again.

2. Once the connection is established, follow the instructions in the WAP service to download the desired tone, game or picture.

The downloaded item is added to the appropriate menu. For example, a game is added to the *Games* menu.

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

■ Reminders (Menu 6)

You can save short reminder notes with an alarm.

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

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

Scroll to one of the following functions and press **Select**:

- *Add new*: Write a reminder (see Writing text on page 26) and press **OK**. You can add an alarm to the reminder if you like.

- *View all*: Shows all the reminders. You can browse them with ⌄ or ⌃. The alarm date and time are shown on the top of the display. Press **Options** for the following: *Erase*, *Edit*, *Send*. Select *Send* to send the selected reminder as a text message to a compatible phone.

- *Erase*: You can delete the reminders one by one or all at once.

When the reminder time is reached, you can stop the alarm by pressing **Quit**. If you press **Postpone**, the alarm stops for a few minutes and then resumes.

■ Games (Menu 7)

The phone offers you the following games to play: *Snake II*, *Space Impact*, *Bumper*, *Bantumi*, *Link5*.

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

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

Adjusting the settings common to all the games
In the *Games* menu, select *Settings* and the setting you want to change.

You can set the sounds, lights and vibrations (*Shakes*). When the *Vibrating alert* function of the *Tone settings* menu (Menu 4-1) is off, the phone does not vibrate even if you set *Shakes* on.

You can also save the Club Nokia membership number that you need for using Club Nokia services, for example to send your high score to Club Nokia. For more information, visit the Club Nokia Web site www.club.nokia.com.

Starting a game and adjusting game-specific settings

In the *Games* menu, select *Select game* and the game you want to play.

Select *New game* to start the game. Select *Options*, if available, to change the game's settings. Select *Instructions* to view a help text about the game. Select *High scores*, if available, to view the highest scores so far. To send your score to Club Nokia via WAP connection, scroll to the score and press the left selection key.

To resume a game that you have paused (by pressing a selection key, or), select *Continue* and press any key except for the selection keys, or .

Making a WAP connection to Club Nokia

In the *Games* menu, select *Download game*. The phone tries to connect to Club Nokia's WAP site by using the active connection settings.

If the connection fails and an error message such as *Check service settings* is displayed, change the active set of connection settings in the *Services* menu and return to this *Download game* menu to connect to Club Nokia again.

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

Playing a downloaded game

If you have downloaded a Java™ game in the *Applications* menu, you can start the game as follows: In the *Games* menu, select *More games* and *Applications*. Select the game that you want to play. For more information, see Applications (Menu 8) on page 60.

59

■ Applications (Menu 8)

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

Your phone comes with some Java applications specially designed for this Nokia phone.

Various service providers, such as Club Nokia, offer Java applications via WAP services. Before you can use a Java application you have to download it to your phone.

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

Launching an application

1. Press **Menu** in standby mode, and select *Applications* and *Select app.*.

2. Scroll to the application or application set that you want to use.

3. Press **Select** and select *Open*, or press 🔽, to launch the application or to open the application set.

   If you open an application set, scroll to the desired application and launch it by pressing **Select** and selecting *Open*, or by pressing 🔽.

   If the application uses the whole display, press 🔽 or 🔼 to see the selection key names.

Other options available for each application or application set

- *WAP access*: You can set the application to ask for your permission to connect to a WAP service: *Ask first*, *Allowed* (permission is not asked), *Not allowed* (connection is not allowed).

- *Check version*: You can check if a new version of the application is available for downloading from a WAP service.

- *Erase* to delete the application or application set from the phone.

- *Details* to view, for example, the version number of the application.
- *WAP site* to connect to a WAP service related to the application. This option is shown only if the application contains an address of a WAP service.

Downloading an application

To download a Java application:

- Press **Menu**, select *Applications* and *Open browser* to download an application from Club Nokia's WAP site, for example. The phone tries to make the connection by using the active connection settings. See also Browsing the pages of a WAP service on page 73.

If you choose to download an application from a non-Nokia site, you should take the same precautions, for security or content, as you would with any site.

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

Viewing system information

To view the amount of memory available for Java applications: Press **Menu**, and select *Applications* and *Memory*.

■ Extras (Menu 9)

This menu contains an alarm clock, calculator, stopwatch, countdown timer, ringing tone composer, picture editor and screen savers.

Alarm clock

You can set the phone to alarm at the desired time.

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

Setting an alarm

Key in the alarm time and press **OK**. Select whether you want the phone to alarm only once (*Alarm once*) or repeatedly on the selected weekdays (*Repeat alarm*).

If you selected *Repeat alarm*, scroll to the desired weekday and press **Mark**. After you have selected all the weekdays you want, press **Back** and **Yes** to set the alarm on.

If you want to change the alarm time or set the alarm to off, enter the *Alarm clock* menu and select *Adjust* or *Off*.

When the alarm time is reached

When the alarm time is reached, the phone sounds an alarm tone and flashes the text *Alarm!*. Stop the alarm by pressing **Stop**. If you let the phone alarm for a minute or press **Snooze**, the alarm stops for a few minutes and then resumes.

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

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

Calculator

The phone includes a calculator that can also be used for approximate currency conversions.

To access this menu: Press **Menu** in standby mode, and select *Extras* and *Calculator*.

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

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

Making a calculation

- Press a key 🔘 to 🔘 to insert a digit. Press 🔘 to insert a decimal point. Press **Clear** to delete the digit to the left. To change the sign, press **Options** and select *Change sign*.
- Press 🔘 once (for +) to add, twice (for -) to subtract, three times (for *) to multiply and four times (for /) to divide.
- For the total, press **Options** and select *Equals*. Press and hold **Clear** to clear the display for a new calculation.

Making a currency conversion

To set the exchange rate: Press **Options**, select *Exchange rate*, select the desired option, key in the exchange rate (press 🔘 for a decimal point) and press **OK**.

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

Stopwatch

You can measure time and record split times or lap times, for example, in different sports.

To access this menu: Press **Menu** in standby mode, and select *Extras* and *Stopwatch*.

Note: Your phone must be switched on to use this function. Do not switch the phone on when wireless phone use is prohibited or when it may cause interference or danger.
Using the stopwatch consumes the battery and the phone's operating time will be reduced. Be careful not to let it run in the background when performing other operations with your phone.

Recording split or lap times

Select *Split timing* or *Lap timing*, and press **Start**. Press **Split** to record a split time, **Lap** to record a lap time or **Stop** to finish timing. You can scroll through the recorded times shown below the overall time.

When the timing is stopped, you can press **Options** for *Start* (split times only), *Save*, or *Reset*. If you select *Start*, timing continues from the previously timed event. If you select *Reset*, the split or lap times are reset.

Setting the timing to continue in the background

While the time is running, press ⬅️. When the stopwatch is on, 🗘 is shown in standby mode. To view the timing, enter the *Stopwatch* menu and select *Continue*.

Managing previously saved times

Enter the *Stopwatch* menu and select *View times* or *Erase times*.

Countdown timer

You can set the phone to alarm after a certain amount of time (*Normal timer*), for example in daily tasks, or after certain intervals (*Interval timer*), for example in sports exercises.

To access this menu: Press **Menu** in standby mode, and select *Extras* and *Countdown timer*.

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

Setting the normal timer

Select *Normal timer*. Key in the time in hours and minutes and press **OK**. Write a note that is displayed when the time expires and press **OK**.

To stop the countdown timer or change the time, enter the *Countdown timer* menu and select *Stop timer* to set the timer to off or *Change time* to set the time.

Setting the interval timers

Select *Interval timer* and *Add new timer*. Key in the name for the timer and press **OK**. Key in the time period in hours and minutes and press **OK**. Write a note that is displayed when the period expires and press **OK**.

Press **Options** and select *Start timer*, *Erase period*, *Add period* or *Edit period*. Select *Start timer* to start the timer. Select *Erase period* to delete the current period. Select *Add period* to add a new period after the selected one. Select *Edit period* to change the time and note of the current period.

Managing previously saved interval timers

Select *Interval timer* and a previously saved interval timer. Press **Options** and select the desired function to erase, edit, view or start the timer or to add a new timer. To erase a single time period, select *View timer*, select the desired period, press **Options** and select *Erase period*.

When the time or time period expires

When the countdown timer is running, ⏲ is shown in standby mode. When the time or time period expires, the phone sounds an alarm and flashes the related note. Press **Restart** to restart the timer or **Quit** to stop the alarm.

Composer

You can create a new ringing tone and add it to the ringing tone list in the *Profiles* and *Tone settings* menus.

To access this menu: Press **Menu** in standby mode, and select *Extras* and *Composer*.

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

1. Select the tone that you want to edit.

2. Key in the notes. For example, press 4_{ghi} for note **f**.

3. 8_{tuv} shortens (-) and $wxyz9$ lengthens (+) the note or rest to the left of the cursor. 0 inserts a rest. $*_+$ sets the octave. $a\#$ makes the note sharp (not available for notes **e** and **b**). $\land$ and $\lor$ move the cursor right or left. Press **Clear** to delete a note or rest to the left.

4. When the tone is complete, press **Options** and select *Play*, *Save* (to add the tone to the ringing tone list), *Tempo*, *Send* (to send the tone to a compatible phone), *Clear screen* or *Exit*.
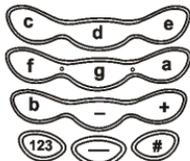
Picture editor

You can draw new pictures or edit the preset pictures available in the phone. The pictures can be used in picture messages and the screen savers that use still pictures. Pictures can also be edited in the *Picture messages* menu, see page 43.

To access this menu: Press **Menu** in standby mode, and select *Extras* and *Picture editor*.

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

1. Select *Create new* to draw a new picture or *Edit existing* to edit a previously created one.

   To resume a drawing, for example, after an incoming call, select *Continue*.

2. If you selected *Create new*, select the picture size (*Picture msg.* or *Clip-art*) according to the intended use of the picture.

If you selected *Edit existing*, select the picture size and then the picture message or clip-art that you want to edit.

3. Draw or edit the picture as described below.

4. To save the picture, press **Options** and select *Save*.

To save a clip-art image, scroll to the picture that you want to replace with the new one and press **Replace**.

Drawing or editing a picture

1. Press ⌄ to set the pen down. Or: Press **Options** and select *Pen on*.

2. Draw the picture by moving the cursor with the number keys:

   • Press ② or ⑧ for a vertical line.
   • Press ④ or ⑥ for a horizontal line.
   • Press ①, ③, ⑦ or ⑨ for a diagonal line.

   Tip: To move the cursor more quickly, press and hold the desired key. The colour of the pen is shown on the top right of the display.

3. While drawing, you can access the following editing options by pressing **Options**: *Colour*, *Insert*, *Mirror*, *Fill*, *Clear all*, *Invert colours*, *Save as*, *Undo*.

   • Select *Colour* to change the colour of the line you are drawing. To change the colour quickly, press ⌗ .

- Select *Insert* to add a line, rectangle, circle, text or clip-art image to the picture. Use the number keys to draw a line, rectangle or circle or to move the text or clip-art image where you want to insert it, and press **Insert** or **5 jkl**.
- Select *Mirror* to flip the picture horizontally.
- Select *Fill* to fill the enclosed area, for example a circle, with the selected colour. Move the cursor to the desired area and press **Fill** or **5 jkl**.
- Select *Invert colours* to change the black pixels to white or vice versa.
- Select *Save as* to save the picture in the desired size. To save a picture message as clip-art, select the desired part of the picture by moving the blinking frame with the number keys.
- Select *Undo* to undo the following functions: *Insert*, *Fill*, *Clear all*, *Invert colours*, *Pen on*, *Pen off*.

4. Press ⌄ to lift the pen up. Or: Press **Options** and select *Pen off*. Now you can move the cursor to a new place in the picture.

Screen saver

You can select a picture or animation that is displayed after a certain length of time in standby mode.

To access this menu: Press **Menu** in standby mode, and select *Extras* and *Screen saver*.

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

Selecting a screen saver

Select *Profile logo* and *Normal* or *Animated* (for a three- dimensional animation).

If you selected *Normal*, scroll to the picture or animation that you want to use as a screen saver and press **Use**.

68 ©2002 Nokia Corporation. All rights reserved.

If you selected *Animated*, scroll to the desired animation or the text Nokia, and press **Options** to use, view or erase the animation or to edit its name (*Edit* option). If you select Nokia, you can specify a text, for example your name, that moves across the display (*Edit* option) and select how the text moves (*Mode* option).

The use of an animation as a screen saver uses battery power, which reduces the operation time of your phone.

Setting a timeout for the screen saver
Select *Timeout* and select a period of time after which the screen saver is displayed in standby mode.

Downloading a screen saver
To download a screen saver from the WAP service of Club Nokia, select *Dload sc. saver*. This function is shown only if the WAP service is available in your country.

If the WAP connection fails and an error message such as *Check service settings* is displayed, change the active set of connection settings in the *Services* menu, return to this menu and try the connection again. See also Downloads (Menu 5) on page 57 and WAP services (Services - Menu 10) on page 69.

For downloading animations from other WAP sites, see *View image* in Browsing the pages of a WAP service on page 73.

■ WAP services (Services – Menu 10)

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

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

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

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

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

Basic steps for using a WAP service

1. Obtain and save the connection settings for the WAP service you want to use. See Setting up the phone for a WAP service.
2. Make a connection to the WAP service, see page 72.
3. Browse the pages of the WAP service, see page 73.
4. End the connection to the WAP service, see page 75.

Setting up the phone for a WAP service

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

You can also key in the settings manually.

Saving the settings received as a text message

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

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

- To view the settings before saving them, press **Options** and select *View*. Press **Save** to save the settings or **Back** to return to the options list.

Keying in the connection settings

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

1. In the *Services* menu, select *Settings* and *Connection settings*.

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

3. Press **Options** and select *Edit*.

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

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

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

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

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

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

71

- *Dial-up number*: Key in the number and press **OK**.
- *IP address*: Key in the address (press ✱₊ for a dot) and press **OK**.
- *Authentication type*: Select *Normal* or *Secure*.
- *Data call type*: Select *Analogue* or *ISDN*.
- *User name*: Key in the user name (press 1∞ for a dot) and press **OK**.
- *Password*: Key in the password and press **OK**. Repeat this to confirm the password.

5. Once you have made all the appropriate settings, you can change the name of the setting set. Press **Back** and then **Options**, and select *Rename*. Key in the name and press **OK**.

   The settings are now saved and you can make a connection to the WAP service, see page 72.

Sending WAP settings

You send your WAP settings to a compatible phone.

1. In the *Services* menu, select *Settings* and *Connection settings*.

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

3. Press **Options** and select *Send settings*.

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

The user name and password are not sent.

Making a connection to a WAP service

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

   In the *Services* menu, select *Settings* and *Connection settings*. Scroll to the setting set you want to use, press **Options** and select *Activate*.

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

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

   - Open the homepage of the WAP service: In the *Services* menu, select *Home*.

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

   - Select the bookmark of the WAP service: In the *Services* menu, select *Bookmarks*, scroll to the desired bookmark, press **Options** and select *Go to*.

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

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

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

Browsing the pages of a WAP service

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

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

General guidelines for using the keys

- Use ⌄ or ⌃ to browse the WAP page and highlight the desired item. The item can be, for example, underlined text (a 'link').
- Press ⟍ to select a highlighted item.

- Press **Back** to return to the WAP page that you viewed previously.
- Press ⓪ to ⑨ⓦⓧⓨⓩ to enter letters and numbers and ✻₊ to enter special characters.
- Press **Options** for the following options. All options may not be available at the same time.

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

  Reload: Refreshes the WAP page.

  Select: Selects a link or any other highlighted item on the WAP page.

  Service inbox: Shows the list of service messages, see Service inbox on page 76.

  Appear. sett.: You can wrap the text lines and hide the images on the WAP page. See also page 75.

  Bookmarks: You can manage bookmarks, for example, save the current WAP page as a bookmark. See page 76.

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

  Go to address: You can make a connection to the desired WAP page. Key in the WAP address (press ①ₐ₀ for a dot) and press **OK**.

  Clear the cache: Empties the cache memory of the phone (see also page 77).

  Security info: Shows whether the connection is secure.

  Quit: Quits browsing and ends the call.

  View image: You can scroll a still picture or an animated picture that cannot be displayed entirely. Press ⌃ or ⌄ (or ②ₐᵦ𝒸 or ⑧ₜᵤᵥ) to scroll the picture up or down. Press ④𝓰ₕᵢ or ⑥ₘₙₒ to scroll the picture left or right.
  Press **Options** for *View next*, *View previous* or *Save image*.
  With *Save image* you can save pictures for using them in picture messages or as screensavers, and animated pictures for using them as screensavers. If the picture is too large for picture messages

and screensavers, move the box shown over the picture to select the area that you want to save, and press **Select**.

Ending a WAP connection

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

Alternatively, press 🔙 twice.

The phone ends the call and closes the WAP connection.

Appearance settings of WAP pages

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

   • Press **Menu** in standby mode, and select *Services*, *Settings* and *Appearance settings*.

   When a WAP connection is in progress

   • Press **Options** and select *Appear. sett.*.

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

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

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

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

Saving and managing bookmarks

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

   • Press **Menu** in standby mode, and select *Services* and *Bookmarks*.

   When a WAP connection is in progress

   • Press **Options** and select *Bookmarks*.

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

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

   • Select *Go to* to open the WAP page associated with the bookmark.

   • Select *Send bookm.* to send the bookmark to a compatible phone.

   • Select *Add bookmark* to key in and save a bookmark or *Save bookm.* to save the current WAP page as a bookmark.

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

Service inbox

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

Setting the phone to receive service messages

Press **Menu** in standby mode, and select *Services*, *Settings*, *Service inbox settings*, *Service messages* and *On*.

Viewing a received service message

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

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

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

   When a WAP connection is in progress

   Press **Options** and select *Service inbox*.

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

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

Emptying the cache memory

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

To empty the cache memory:

• When no WAP connection is in progress: Press **Menu**, and select *Services* and *Clear the cache*.

• When a WAP connection is in progress: Press **Options** and select *Clear the cache*.

Authority certificates

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

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

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

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

To view the list of security certificates:
In the *Services* menu, select *Settings* and then *Authority certificates*.

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

However, the security icon does not indicate that the data transmission between the gateway and the content server (place where the requested resource is stored) is secure. It is up to the service provider to secure the data transmission between the gateway and the content server.

78

■ SIM services (Menu 11)

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

To access this menu: Press Menu in standby mode, and press ⌄ and Select.

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

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

5. Battery statements

■ Charging and Discharging

Your phone is powered by a rechargeable battery.

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

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

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

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

For good operation times with NiMh batteries, discharge the battery from time to time by leaving your phone switched on until it turns itself off (or by using the battery discharge facility of any approved accessory available for your phone). Do not attempt to discharge the battery by any other means.

Use the battery only for its intended purpose.

Never use any charger or battery which is damaged.

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

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

Do not dispose of batteries in a fire !

Dispose of batteries according to local regulations (e.g. recycling). Do not dispose as household waste.

CARE AND MAINTENANCE

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

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

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

IMPORTANT SAFETY INFORMATION

■ Traffic Safety

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

Remember road safety always comes first!

■ Operating environment

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

Use the phone only in its normal operating positions.

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

■ Electronic devices

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

Pacemakers

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

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

Hearing aids

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

Other medical devices

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

Vehicles

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

Posted facilities

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

■ Potentially explosive atmospheres

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

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

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

■ Vehicles

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

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

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

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

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

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

■ Emergency calls

Important:

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

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

To make an emergency call:

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

   Some networks may require that a valid SIM card is properly inserted in the phone.

2. Press 🕿 as many times as needed (e.g. to exit a call, to exit a menu, etc.) to clear the display and ready the phone for calls.

3. Key in the emergency number for your present location (e.g. 112 or other official emergency number). Emergency numbers vary by location.

4. Press the 🕿 key.

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

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your wireless phone may be the only means of communication at the scene of an accident - do not cut off the call until given permission to do so.

■ Certification information (SAR)

THIS MODEL PHONE MEETS THE EU REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radiofrequency (RF) energy recommended by The Council of the European Union. 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 limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

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

Before a phone model is available for sale to the public, compliance with the European R&TTE directive must be shown. This directive includes as one essential requirement the protection of the health and the safety for the user and any other person. The highest SAR value for this model phone when tested for compliance against the standard was 0.81 W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the EU requirements for RF exposure.

* The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates 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.

LIMITED MANUFACTURER'S WARRANTY
PART OF EUROPE & AFRICA REGION

This limited warranty shall apply in part of Nokia Mobile Phones' Europe & Africa Region unless a local warranty exists. Nokia Corporation, Nokia Mobile Phones ("Nokia") warrants that this NOKIA product ("Product") is at the time of its original purchase free of defects in materials, design and workmanship subject to the following terms and conditions:

1. This limited warranty is given to the end-purchaser of the Product ("Customer"). It shall neither exclude nor limit i) any mandatory statutory rights of the Customer or ii) any of the Customer's rights against the seller/dealer of the Product.

2. The warranty period is twelve (12) months from the date on which the first Customer purchased the Product. In case of a subsequent purchase or other change of owner/user, such warranty period shall continue for the remaining part of the twelve (12) month period and otherwise remain unaffected. This limited warranty is only valid and enforceable in the following countries: Bosnia, Bulgaria, Croatia, Cyprus, the Czech Republic, Estonia, any member state of the European Union, Hungary, Iceland, Israel, Latvia, Lithuania, Macedonia, Malta, Norway, Poland, Romania, the Slovak Republic, Slovenia, Switzerland and Turkey.

3. During the warranty period Nokia or its authorized service company will repair or replace, at Nokia's sole discretion, a defective Product. Nokia will return the repaired Product or another Product to the Customer in good working condition. All parts or other equipment for which replacements have been provided shall become the property of Nokia.

4. A repaired or replaced Product will not be given a prolonged or renewed warranty period.

5. This limited warranty will not cover painted covers or other similar personalized parts. In all cases that require unlocking or locking of an operator SIM-lock, Nokia will first direct the Customer to such operator for unlocking or locking of the operator SIM-lock before repairing or replacing the Product.

6. This limited warranty shall not apply to deterioration due to normal wear and tear. This limited warranty shall further not apply if:

(i) the defect was caused by the fact that the Product has been subjected to: use in contradiction with the owner's/user manual, rough handling, exposure to moisture, dampness or extreme thermal or environmental conditions or rapid changes in such conditions, corrosion, oxidation, unauthorized modifications or connections, unauthorized opening or repair, repair by use of unauthorized spare parts, misuse, improper installation, accident, forces of nature, spillage of food or liquid, influence from chemical products or other acts beyond the reasonable control of Nokia (including but not limited to deficiencies in consumable parts, such as batteries

which all by their nature have a limited lifetime, and breakage or damage to antennas) unless the defect was caused directly by defects in materials, design or workmanship;

(ii) Nokia or its authorized service company was not notified by the Customer of the defect within thirty (30) days after the appearance of the defect within the warranty period;

(iii) the Product was not returned to Nokia or its authorized service company within thirty (30) days after the appearance of the defect within the warranty period;

(iv) the Product serial number, the accessory date code or the IMEI number has been removed, erased, defaced, altered or is illegible;

(v) the defect was caused by a defective function of the cellular network;

(vi) the defect was caused by the fact that the Product was used with or connected to an accessory not manufactured and supplied by Nokia or used in other than its intended use;

(vii) the defect was caused by the fact that the battery was short-circuited or seals of the battery enclosure or cells were broken or show evidence of tampering or the battery was used in equipment other than for which it has been specified; or

(viii) the Product software needs to be upgraded due to changes in cellular network parameters.

7. To claim this limited warranty the Customer shall present either i) a legible and non-modified original warranty card which clearly indicates the name and address of the seller, the date and place of purchase, the product type and the IMEI or other serial number or alternatively ii) a legible and non-modified original purchase receipt which contains the same information, if such purchase receipt is presented to the seller/dealer of the Product.

8. This limited warranty is the Customer's sole and exclusive remedy against Nokia and Nokia's sole and exclusive liability against the Customer for defects or malfunctions of the Product. This limited warranty replaces all other warranties and liabilities, whether oral, written, (non-mandatory) statutory, contractual, in tort or otherwise. Nokia is in no event liable for any incidental, consequential or indirect damage, costs or expenses. Neither is Nokia in any event liable for any direct damage, costs or expenses, if the Customer is a legal person.

9. Any change or amendment to this limited warranty requires Nokia's prior written consent.

WARRANTY CARD

FILL IN WITH BLOCK LETTERS

Purchaser's Name: _____

Address: _____

_____

Country: _____

Phone: _____

Date of Purchase (dd/mm/yy): |___|___| / |___|___| / |___|___|

Product Type (on phone type label under battery): |___|___|___| — |___|___|___|

Product Model (on phone type label under battery): |___|___|___|___|

Phone Serial No (on phone type label under battery):

|___|___|___|___|___|___|___| / |___|___|___| / |___|___|___|___|___|___|___| / |___|

Place of Purchase: _____

Store Name: _____

Store Address: _____

ITEM:
IMEI:

B

Stamp