

User's Guide



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NOKIA 6110

Quick Guide

SWITCHING ON / OFF

Press and hold 

MAKING A CALL

Key in area code and phone number, then press 

ANSWERING A CALL



ENDING / REJECTING A CALL



REDIALLING THE LAST DIALLED NUMBER

 twice (with display clear)

CALLING YOUR VOICE MAILBOX

Press and hold 

ADJUSTING THE EARPIECE VOLUME

Use keys on side of phone

CLEARING THE DISPLAY



LOCKING / UNLOCKING THE KEYPAD

Menu, then  (within 3 secs) / **Unlock**, then 

SELECTING A USER ENVIRONMENT (PROFILE)

 quickly (with display clear),  or  for desired profile, **OK**

Phone book functions

STORING A PHONE NUMBER WITH A NAME (WITH DISPLAY CLEAR)

Key in phone number, **save**, key in name, **OK**

RECALLING PHONE NUMBER FROM PHONEBOOK BY ASSOCIATED NAME (WITH DISPLAY CLEAR)

 or , key in first character of name,  or  for desired name

Menu functions

ENTERING A MENU FUNCTION	Menu ,  or  to choose desired function, Select
VIEWING A MENU HELP TEXT	Wait for 10 seconds (with desired function displayed)
USER ENVIRONMENT (PROFILE) SETTINGS:	First: Menu , choose Profiles, Select , choose desired profile, Options , choose Personalise, OK
• INCOMING CALL ALERT	Then:
• RINGING TONE	• Incoming call alert: Choose Incoming call alert, Select , choose desired alert type, OK
• RINGING VOLUME	• Ringing tone or volume: Choose Ringing tone or Ringing volume, Select , choose desired setting, OK
TEXT MESSAGES:	First: Menu , choose Messages, Select
• READING A TEXT MESSAGE	Then:
• WRITING AND SENDING A TEXT MESSAGE	• To read: choose Inbox, Select , choose desired message, Read .
	• To write and send: choose Write messages, Select , key in message, Options , choose Send, OK , key in recipient's phone number, OK
DIVERTING VOICE CALLS TO YOUR VOICE MAILBOX	Menu , choose Call divert, Select , choose desired divert mode, Select , choose Activate, OK , choose Voice mailbox, OK

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For Your Safety

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



ROAD SAFETY COMES FIRST

Don't use a hand-held phone while driving; park the vehicle first.



INTERFERENCE

All wireless phones may get interference which could affect performance.



SWITCH OFF IN HOSPITALS

Follow any regulations or rules. Switch phone off near medical equipment.



SWITCH OFF IN AIRCRAFT

Wireless phones can cause interference. Using them on aircraft is illegal.



SWITCH OFF WHEN REFUELLING

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



SWITCH OFF NEAR BLASTING

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



USE SENSIBLY

Use only in the normal position (to ear). Don't touch the antenna unnecessarily.



USE QUALIFIED SERVICE

Only qualified service personnel must install or repair equipment.



ACCESSORIES AND BATTERIES

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



MAKING CALLS

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. If the word "Clear" appears on the display above the key, press and hold **Clear** to clear the display. Enter the emergency number (e.g. 112), then press . Give your location. Do not end the call until given permission to do so.



CONNECTING TO OTHER DEVICES

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



INFRARED PRECAUTIONS

Do not point the IR beam at anyone's eye or allow it to interfere with other IR devices.

Using This Guide

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

A number of features included in this guide are called Network Services. They are special services provided by wireless service providers. Before you can take advantage of any of these Network Services, you must subscribe to these service(s) from your home service provider and obtain instructions for their use.

WARNING!

- Use only batteries, charger 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.
- This apparatus is intended for use when supplied with power from ACP-7, ACP-9, LCH-9, HFU-2. Other usage will invalidate any approval given to this apparatus and may be dangerous.

About Labels on Your Phone

Your phone has labels on it. These are important for service and related purposes, so be careful not to lose the label or the information there (e.g, if you replace your phone's cover).

1. Quick Start

Congratulations for choosing this Nokia phone! This chapter describes how to make your first call and gives a hint on the wealth of features that the phone offers.

Making Your First Call

- ① With the battery removed, insert the SIM card (for details, see page 12).
- ② Install and charge the battery (see page 13).
- ③ Switch on your phone by pressing and holding  (see page 14).
 - If the phone asks for the PIN code, key it in and press **OK**.
 - To change the language of the display texts, see "Language (Menu 4-4-1)" on page 44.
- ④ Wait until the operator name appears on the display.
- ⑤ Key in the area code and phone number and press  (see also page 16).
- ⑥ After the conversation, end the call by pressing .

What's New

The phone provides a host of advanced features. To mention but a few:

Adjusting phone tones: Profiles

You can set the phone tones to function in the desired way in different situations and

environments by simply selecting a proper 'profile'. See page 40 for details.

A quick way to select a profile is as follows:

- ① Press the power key () quickly when the display is clear.
- ② Reach the desired profile (e.g. **Silent** to turn off all the phone tones) with  or  (or press  quickly).
- ③ Press **OK** (or press and hold ).

Sending SMS messages: Setting groups ('Sets')

You can send a text message e.g. as a fax by selecting the desired collection of settings ('set') in which you have predefined the proper settings for fax transmissions. See page 34 for details.

Caller groups

You can set the phone to ring using the desired ringing tone when you receive a call from a particular phone number. See page 23 for details.

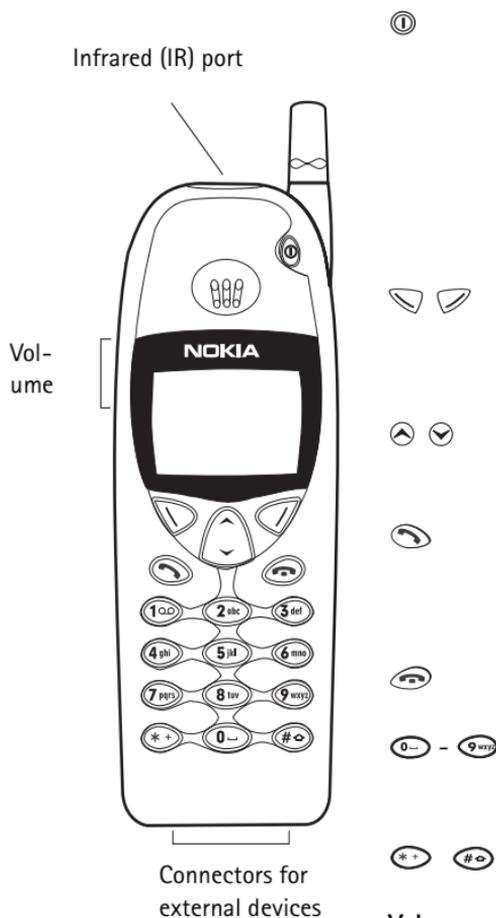
Other handy features

Clock, Alarm clock, Games, Calculator, Calendar, Infrared, and more.

2. Your Phone

List of Keys

The phone is provided with the keys given below. Throughout this guide, all key presses are represented by icons such as  and .



Power key

Switches the phone on or off.

When pressed briefly when the display is clear or during a call: Enters the list of profiles.

When pressed briefly while in the Phone book or menu functions: Turns the lights on for 15 seconds.



Selection keys

Each of these keys performs the function indicated by the text above it.



Scroll keys

Scroll through names, phone numbers, menus or setting options.

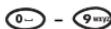


Dials a phone number and answers a call.



With display clear: Shows the most recently dialled number.

Ends or rejects a call. Also exits from any function at any time.



Enter numbers and characters.

 calls your voice mailbox when pressed and held.



Volume keys

Used for various purposes in different functions.

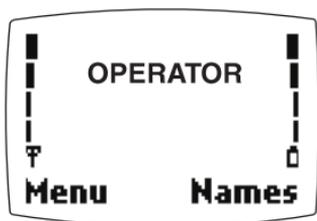
The upper key increases and the lower key decreases the earpiece volume.

The Display Indicators

Display indicators inform you about the current operation of the phone.

The indicators described below are shown when the phone is ready for use, with no characters entered by the user on the display. This is also called 'a clear display'.

The symbols relating to other functions are explained throughout this user guide.

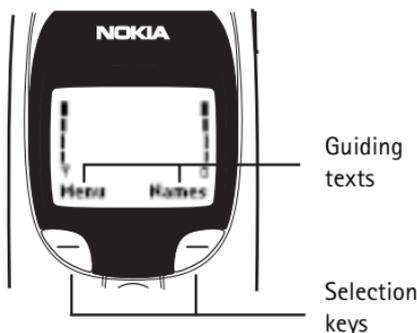


- OPERATOR – Indicates in which cellular network the phone is currently used.
- Y and bar Shows the radio signal strength of the cellular network at your current location. The more bars are visible, the stronger is the signal.
- and bar Shows how much power there is left in the battery. The more bars visible, the more power in the battery.

The Selection Keys

Below the display you can find two so-called selection keys.

Their functions depend on the guiding texts shown above the keys.



For example, when there is the word "Menu" above the  key, pressing this key enters the menu functions.

Similarly, pressing the  key under the word "Names" allows access to the Phone book functions.

In this user guide, the selection keys are indicated by the relevant guiding text appearing in bold (e.g. **Menu** or **Names**).

3. Getting Started

Before you can use your phone, you must place a SIM card in the phone, install the battery, and charge the battery.

Inserting a SIM Card

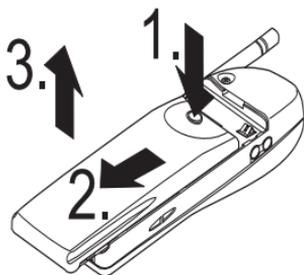
The phone can only be used with a valid miniature plug-in SIM card. You obtain the card from your network operator or service provider.

NOTE: Keep all miniature SIM cards out of small children's reach.

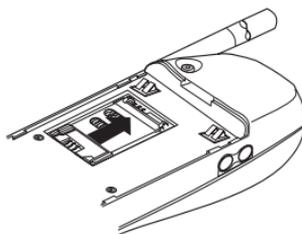
① If the phone is on: Before inserting the SIM card, switch off the phone (press ) and wait for a few seconds before removing the battery.

- The SIM card and its contacts can be easily damaged by scratches or bending, so be careful when you handle, insert or remove the card.

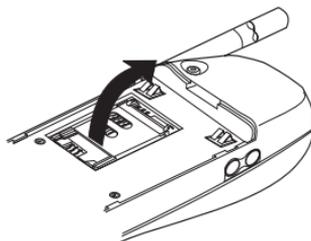
② To remove the battery: Press the catch on the top of the battery (1), slide the battery towards the bottom of the phone (2), and lift the battery upwards (3).



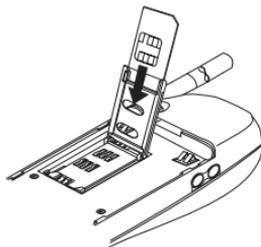
③ Release the SIM card holder by sliding the catch in the OPEN direction.



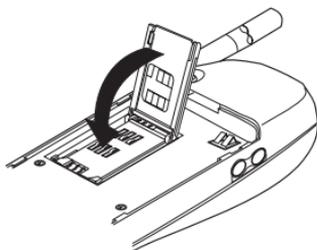
④ Lift the holder to vertical position.



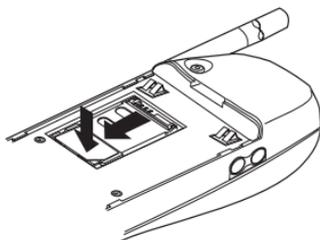
⑤ Slide the card carefully into the holder. Ensure that the bevelled corner is up-most (see picture) and the gold contacts of the card face into the phone.



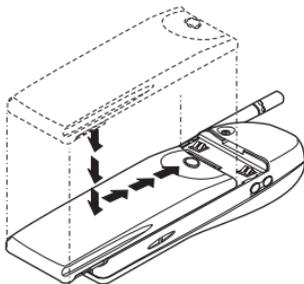
- ⑥ Push the card holder towards the phone.



- ⑦ Lock the holder by sliding the catch gently towards the base of the phone until you hear a click. Make sure that the holder is firmly engaged



- ⑧ Place the battery onto the back of the phone as shown below. Slide the battery up the body of the phone until the catch engages (a click is heard).



Charging a Battery

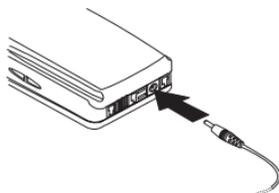
Once placed in the phone, the battery is ready for charging.

NOTE:

- Use only batteries and chargers approved by the phone manufacturer.
- In some vehicles, the ignition must be on in order to charge the phone with the cigarette lighter charger.

To charge the battery by using the Travel Charger ACP-7:

- ① Connect the plug from the charger into the bottom of the phone.



- ② Connect the charger to an AC wall outlet.

The indicator bar at the right of the display starts rolling and the text *Charging* is briefly displayed (when the phone is on).

- If the battery is totally empty, it may take a few minutes before the charging indication appears on the display.
- The charging time depends on the charger and battery used. For example, charging a BLS-2 battery takes about 4 hours.

- The charger can be connected to the phone even during a call
- ③ The battery is fully charged when the indicator bar stops rolling and the text *Battery full* is briefly displayed (if the phone is on).
 - ④ Disconnect the charger from the AC outlet and the phone.

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

For more information on using the batteries, see page 57.

Battery Charge Indication

When the battery is running out of power and only a few minutes of talk time remain, a warning tone is heard and *Battery low* is briefly displayed.

When no more talk time remains, *Battery empty* is briefly displayed (and a warning tone is sounded) and the phone switches itself off.

NOTE: If the warning tones have been set off, only the display texts will appear.

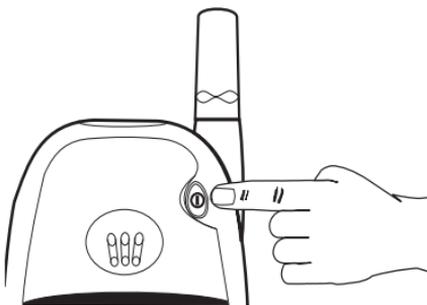
Switching on the Phone

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

NORMAL POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

TIPS ON EFFICIENT OPERATION: 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.

- ① Press and hold ① until the display lights are turned on.



- If the phone asks for a PIN code, key it in (appears as stars) and press **OK**.
See also "PIN code request (Menu 4-5-1)" on page 46 and "Access Codes" on page 58.

NOTE: The PIN code protects your SIM card against unauthorised use and is usually supplied with the SIM card.

- If the phone asks for a security code, key it in and press **OK**.
See also "Security level (Menu 4-5-5)" on page 49.

NOTE: The security code protects your phone against unauthorised use and is usually supplied with the phone.

- ② The name of a service provider will appear if you are in the service area of a cellular network which supports your SIM card.



Check that the signal strength bar on the left side of the display is at least partly shown.

- ③ If any other than the "General" user environment (profile) is selected, the name of the profile is displayed. See also "Profiles (Menu 3)" on page 40.

The phone can make and receive calls only when

- it is switched on
- it has a valid SIM card fitted
- it is located in the service area of a cellular network where your SIM card can be used. See also "Network selection (Menu 4-4-5)" on page 46.
- the signal strength is adequate.

Switching off the Phone

Press and hold **Ⓜ** for one second.

Or: With the display clear, press **Ⓜ** quickly, scroll with **⏴** or **⏵** to Switch off!, and press **OK**.

4. Basic Functions

Making a Call

① With the phone switched on, key in the area code and phone number by using the  -  keys.

- **International calls**

If you key in a + character (press  twice within one second) in front of the country code you don't need to worry about the international access code.

- **Editing the phone number**

Use ,  and **Clear** for editing. You can remove all the characters at once by pressing  or by pressing and holding **Clear**. For details, see "Keying in a Phone Number" on page 21.

- **Saving the phone number in Phone book**

Press **Save**, key in the associated name, and press **OK**. For details, see "Keying in a Name" on page 20.

- **Recalling a phone number from Phone book:** See page 22.

② Press  call the number.

③ Wait for the answer and speak.

- **Adjusting the earpiece volume**

Use the keys on the side of the phone. The upper key increases and the lower key decreases the volume.

The volume can be adjusted also when no call is in progress.

- **Muting the phone's microphone**
Press **Options**, scroll with  or  to **Mute**, and press **Select**. To unmute the microphone, press **Unmute**. Or: Press **Options**, scroll to **Unmute**, and press **Select**.

NOTE: Muting and unmuting also affects the microphone of any accessory connected to the phone.

④ After the conversation, end the call by pressing .

NOTE: When you are using the phone with the car kit CARK-91, you can switch from handsfree mode to privacy mode by picking up the external handset HSU-1.

To switch back to handsfree, first press **Menu** and then put down the handset within 15 seconds.

Calling any of the ten last dialled phone numbers

To call the last dialled number, press  twice (with the display clear).

To call one of the ten last dialled numbers: Press  (with the display clear), reach with  or  the desired number or associated name, and press  again.

See also "Call register (Menu 2)" on page 37.

Speed dialling a phone number

If you have assigned a phone number to one of the speed dialling keys (1^{cd} to 9^{wxy}; see page 24), you can call the phone number as follows:

Either:

With the display clear, press the desired speed dialling key (1^{cd} to 9^{wxy}) and then .

Or:

If "Speed dialling" is set on (see page 44): With the display clear, press and hold the desired speed dialling key (2^{abc} to 9^{wxy}) until the call is started.

NOTE: Pressing and holding 1^{cd} calls your voice mailbox.

Answering a Call

When you receive a call, the phone rings and flashes its lights, and a relevant text is displayed.

The phone does not ring if the "Incoming call alert" function (see page 41) is set to "Off" or "Beep once".

If "Incoming call alert" is set to "Caller groups", the phone notifies of the call only if the caller belongs to one of the selected groups.

① Press  to answer the call.

When the "Anykey answer" function (see page 43) is set on, you can answer the call with any key except  or ①.

- If the network could not identify the caller, Call is displayed.
- If the caller could be identified, the caller's phone number (or name if stored in your Phone book) followed by calling is displayed.
- Pressing  rejects the call.

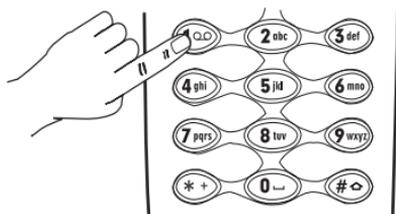
② After the conversation, end the call by pressing .

NOTE:

- You can answer a call at any time, even while in the Phone book or menu functions.
- If the incoming call has been diverted from some other phone number, the > sign is shown after Call or calling (network service).

Calling Your Voice Mailbox

To call your voice mailbox, press and hold 1^{cd}, when the display is clear.



If the phone asks for the voice mailbox number, key it in and press **OK**.

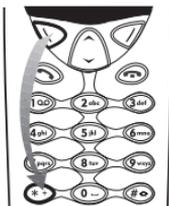
To edit this number later, see "Voice mailbox number (Menu 1-8-2)" on page 37.

Keypad Lock (Keyguard)

The keypad can be temporarily locked to prevent the keys from being accidentally operated.

To lock the keypad:

With the display clear, press **Menu** and then  within three seconds.  appears at the top of the display.



To unlock the keypad:

Press **Unlock** and then .

When the keyguard is on:

- To answer a call, press . To end or reject a call, press . During a call, the phone can be operated in the normal way.
- 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.

- When the phone is connected to the handsfree car kit CARK-91, the phone can be used in the normal way.

NOTE: When the phone is connected to the headset HDC-9, you can lock the keypad during a call as follows: Press **Options**,

scroll with  or  to Lock keypad, and press **Select**. You can unlock the keypad in the normal way.

Multiparty Calls

Making a new call during a call

You may have two calls in progress at the same time (network service). One of the calls may be a conference call.

To make a new call during a call:

- 1 Press **Options**, scroll with  or  to New call, press **Select**, key in the phone number or recall it from Phone book (see page 22 for details), and press **Call** (or .

The existing call is put on hold automatically. The active call is indicated by  and the held call by .

To cancel the call before an answer: Press **End call**.

- 2 To switch between the calls, press **Swap** or .
Or: Press **Options**, scroll to Swap, and press **Select**.
- 3 To end the active call, press .
Or: Press **Options**, scroll to End this call, and press **Select**. The held call becomes active.

To end both calls: Press **Options**, scroll to End all calls, and press **Select**.

Making a conference call

Up to six persons can take part in a conference call (network service).

- ① Make a call to the first participant of the call.
- ② Call the second participant (see step 1 in "Making a new call during a call" above).
- ③ Join the first participant in the call: Press **Options**, scroll to **Conference**, and press **Select**.
- ④ To add a new person to the call, follow steps 2 and 3 above. Repeat this operation, if necessary.
- ⑤ To have a private conversation with one of the participants:
 - Press **Options**, scroll to **Private**, and press **Select**.
 - Scroll to the desired call participant and press **OK**.
The other participants can continue to converse with each other.
 - Once you have finished the private conversation, return to the conference call as described in step 3.
- ⑥ To drop a single participant from the call:
 - Press **Options**, scroll to **Private**, and press **Select**. Select the person that you want to drop and press **OK**.
 - Press .
Or: Press **Options**, scroll to **End this call**, and press **Select**.
 - Press **Unhold** or .
Or: Press **Options**, scroll to **Un-**

hold, and press **Select**.

- ⑦ To end the conference call, press :
Or: Press **Options**, scroll to **End all calls**, and press **Select**.

Answering a new call during a call

When the "Call waiting options" function is set on (see page 44), the phone notifies you of a new incoming call.

- ① Press **Answer** or .
Or: Press **Options**, scroll with  or  to **Answer**, and press **Select**.

In a call list, a waiting call is indicated with "■ ■ ■".

To reject the new call:

Press **Options**, scroll to **Reject**, and press **Select**.

- ② To switch between the two calls, press **Swap** or .
Or: Press **Options**, scroll to **Swap**, and press **Select**.

- ③ To end the active call, press .
Or: Press **Options**, scroll to **End this call**, and press **Select**.

The held call becomes active.

Transferring a call

When you have one call active and the other on hold, you can connect the two calls and disconnect yourself from the call (network service).

Press **Options**, scroll with  or  to **Transfer**, and press **Select**.

5. Phone Book Functions

You can store phone numbers and their associated names in the memory of the phone (internal Phone book) or the SIM card (SIM Phone book).

The internal Phone book can store 50 names (of up to 16 characters each) and phone numbers (of up to 30 digits each) at a time.

The phone supports SIM cards which can store up to 250 names and phone numbers.

In addition to storing names and phone numbers, Phone book also offers a wide range of functions for managing them.

Entering Phone book

You can access the stored names and phone numbers as well as the Phone book functions in the following ways:

- When the display is clear: Press **Names**.
- During a call: Press **Options**, scroll with  or  to **Names**, and press **Select**.

Exiting from Phone book

To exit from Phone book while at its main level, press **Exit**.

To quit a Phone book function, press **Back**.

To exit from Phone book any time (except during a call), press .

NOTE: Pressing  during a call **ends the active call**.

Keying in a Name

When you are asked for a name in Phone book's "Add entry" function or in any other function:

① Key in the name. Do as follows:

- Press the key labelled with the character you want: once for the first character, twice for the second and so on.

The available characters are listed below.

	. , ? ! - & 1
	A B C 2 Ä Å Ä Å Æ Ç
	D E F 3 È É Ê Ë
	G H I 4 Î Ï Ì Í Î
	J K L 5 £
	M N O 6 Ö Õ Ò Ó Ø Ñ
	P Q R S 7 \$ %
	T U V 8 Ü Ù Ú Û
	W X Y Z 9
	space, 0
	special characters, e.g. + and %
	upper or lower case

- If the next letter is located on the same key as the present one, press

⏪ or ⏩ (or wait until the cursor appears) and then select the letter.

- To switch between upper case and lower case, press **↵** quickly. **ABC** or **abc** at the top of the display indicates the selected case.
- To insert a number, press and hold the key labelled with the desired number. To switch between letters and numbers, press and hold **↵**.
- To insert a space, press **⏪**.
- Pressing **↵** brings up a list of special characters. Reach the desired character with ⏪ or ⏩ and press **Use** to insert it in the name.

If the character list continues on the next screen, you can scroll between the screens with **↵**.

- ② If you make a mistake, you can remove characters to the left by pressing **Clear** as many times as needed. Pressing and holding **Clear** clears the screen.

⏪ and ⏩ move the cursor left and right, respectively.

Keying in a Phone Number

When you are asked for a phone number in Phone book's "Add entry" function or in any other function:

- ① Key in the digits of the phone number.

- ② If you make a mistake, you can remove digits to the left by pressing **Clear** as many times as needed.

⏪ and ⏩ move the cursor left and right, respectively.

Storing a Phone Number with a Name (Add entry)

You can store phone numbers with associated names in the internal or SIM Phone book.

- ① With the display clear, press **Names**.
- ② Scroll with ⏪ or ⏩ to **Add entry** and press **Select**.
- ③ Key in a name and press **OK**.
- ④ Key in an area code and phone number, and press **OK**.
 - If you want to use the phone number when abroad, add a + character (press **↵** twice) and country code in front of the area code and phone number.

TIP: Quick storing

- ① With the display clear, key in the desired phone number and press **Save**.
- ② Key in the associated name and press **OK**.

Storing a phone number only:

- ① With the display clear, key in the desired phone number.

- ② Press and hold **Save**.

Recalling a Phone Number and Name

There are several ways to access the names and phone numbers stored in Phone book.

By Phone book's Search function

- ① With the display clear, press **Names**.
- ② With **Search** highlighted, press **Select**.
- ③ Key in the first character(s) of the desired name.
- ④ Press **OK** or \blacktriangledown for the first name, or \blacktriangleup for the last name beginning with the given character(s).
- ⑤ Press \blacktriangledown or \blacktriangleup until the desired name appears or is highlighted.
 - Three periods (...) after the name or before the phone number mean that the name or number is not shown in full length.
 -  or  at the top of the display shows that the name and phone number is stored in the SIM or internal Phone book, respectively.
- ⑥ Press **Detail** and then \blacktriangledown or \blacktriangleup to see the name in full length and the phone number associated with the name.
NOTE: You can ignore this step when

the Type of view selected is Name , number.

By scrolling when the display is clear

- ① Press \blacktriangledown or \blacktriangleup .
- ② Key in the first character of the name.
- ③ Press \blacktriangledown or \blacktriangleup until the name appears.
- ④ Press **Detail** and then \blacktriangledown or \blacktriangleup to see the name in full length and the phone number associated with the name.
NOTE: You can ignore this step when the Type of view selected is Name , number.

Deleting a Name and Phone Number (Erase)

You can remove names and phone numbers from the selected Phone book one by one or all at once.

One by one

- ① Recall the name and phone number that you want to remove (see page 22).
- ② Once you are in the Details of the given name or phone number:
 - Press **Options**.
 - Scroll with \blacktriangledown or \blacktriangleup to **Erase** and press **Select**.
 - Press **OK** to confirm or **Back** to cancel the operation.

Alternatively: With the display clear, press **Names**. Scroll to **Erase** and press **Select**. Scroll to **One by one** and press **Select**. Recall the desired name and/or phone number from Phone book and press **Erase**. Press **OK** to confirm.

All at once

- ① With the display clear, press **Names**.
- ② Scroll with \blacktriangledown or \blacktriangleup to **Erase** and press **Select**.
- ③ Scroll to **Erase all** and press **Select**.
- ④ Scroll to the Phone book to be cleared (Phone or SIM card) and press **Select**.
- ⑤ At the prompt **Are you sure?**, press **OK** to clear the selected Phone book or **Back** to cancel the operation. If you pressed **OK**, key in the security code and press **OK**.

Caller Groups

You can set the phone to sound a specific ringing tone and flash the desired graphic on the display when you receive a call from a particular phone number.

For this, first include a phone number in the desired caller group. Then, define a ringing tone and graphic for this group.

NOTE: You can set the phone to ring only upon calls from phone numbers that belong to a specific caller group. See "Profiles (Menu 3)" on page 40.

Including a phone number in a caller group

- ① Recall the desired name and phone number (see page 22).
- ② Once you are in the Details of the given name or phone number: Press **Options**, scroll with \blacktriangledown or \blacktriangleup to **Caller groups**, and press **Select**.
- ③ Scroll to the desired caller group and press **Select**.

Setting a ringing tone and graphic for a caller group

- ① With the display clear, press **Names**.
- ② Scroll with \blacktriangledown or \blacktriangleup to **Caller groups** and press **Select**.
- ③ Scroll to one of the caller groups and press **Select**.
- ④ Scroll to one of the following functions and press **Select**.

Rename group
Key in the name and press **OK**.

Group ringing tone
Scroll to the desired tone and press **OK**. Preset is the tone selected for the currently selected profile (see page 41).

Group graphic:
Scroll to **On**, **Off**, **View graphic**, **Send via IR**, **Send graphic** (send via SMS), and press **Select**.

- ⑤ If you selected **Send graphic** (network service), key in the recipient's

phone number or recall it from Phone book and press **OK**.

For downloading a new graphic to your phone via IR, see also "Infrared (Menu 9)" on page 54.

After you have downloaded a graphic, scroll to **View graphic** or **Save graphic** and press **Select**. If you selected **Save graphic**, reach the desired caller group and press **Select**.

Speed Dialling

You can set any of the number keys (100) to (999) to function as a speed dialling key.

For this, you need to assign a phone number to the desired number key.

See also "Speed dialling a phone number" on page 17.

Specifying a speed dialling key

① With the display clear, press **Names**.

② Scroll with  or  to **Speed dials** and press **Select**.

③ Scroll through the current speed dialling assignments.

If a phone number is assigned to a key, the phone number (or name) and **Options** are shown.

If no phone number is assigned to a key, **Assign** is shown.

NOTE: **Assign** is also shown when the phone has automatically assigned a phone number to a speed dialling key.

④ Do one of the following:

- To assign a phone number to an empty speed dialling key or change an assignment made by the phone: Press **Assign**, scroll to the desired name or phone number, and press **OK**.
- To check or edit an existing speed dialling assignment: Press **Options**, scroll to one of the following functions and press **Select**.

View number

Shows the phone number associated with the name.

Change

Allows you to change the assigned name and phone number. Scroll to the desired name or phone number and press **OK**.

Erase

Removes the speed dialling assignment that you have made. Press **OK** to confirm or **Back** to cancel the operation.

Using the speed dialling keys

You can use the speed dialling keys in either of the following ways:

Either:

With the display clear, press the desired speed dialling key (100) to (999) and then .

Or:

If "Speed dialling" is set on (see page 44): With the display clear, press and hold the desired speed dialling key (200) to (999) until the call is started.

NOTE: Pressing and holding  calls your voice mailbox.

Other Phone Book Functions

Copying a name and phone number

You can copy names and phone numbers all at once or one by one from the phone to the SIM card or vice versa.

- ① With the display clear, press **Names**.
- ② Scroll with  or  to **Copy** and press **Select**.
- ③ Reach the desired copying direction (from phone to card or vice versa) and press **Select**.
- ④ Scroll to **Copy all** or **One by one** and press **Select**.
- ⑤ If you selected **Copy all**, do as follows:
 - Select whether to keep or erase the original names and phone numbers and press **Select**.
 - At **Start copying?**, press **OK** to confirm or **Back** to cancel the operation.

If you selected **One by one**, do as follows:

- Select whether to keep or erase the original name and phone number and press **Select**.
- Reach the name and/or phone

number to be copied. Press **Copy** to start copying or **Back** to cancel the operation.

If the name is too long for the target Phone book, the name is shortened as much as necessary.

If the name already exists in the target Phone book but the associated phone number is different, an ordinal number is added to the end of the name.

Alternative way for one by one copying

- ① Recall the name and phone number that you want to copy (see page 22).
- ② Once you are in the Details of the given name or phone number: Press **Options**, scroll with  or  to **Copy**, and press **Select**.
- ③ Select whether to keep or erase the original name and phone number and press **Select**.

Copying via IR

Via the phone's infrared (IR) port, you can copy names and phone numbers to a similar phone and a compatible PC provided with an appropriate application.

Copying a name and phone number from your phone

- ① Recall the name and phone number to be copied (see page 22).
- ② Make sure that the other phone is set to receive data via its IR port.
- ③ Once you are in the Details of the given name or phone number: Press **Op-**

tions, scroll with \blacktriangledown or \blacktriangle to Send via IR, and press **Select**.

Copying a name and phone number to your phone

To copy names and phone number from another similar phone, you need to first set your phone to receive data through its IR port by entering the Infrared menu (Menu 9). Then, the user of the other phone sends a name and phone number ("business card") as described above.

Once the name and phone number are copied, scroll to Show, Save or Discard, and press **OK**.

Printing via IR

You can print names and phone numbers from Phone book to a compatible printer via the phone's infrared (IR) port.

- 1 Recall the name and phone number that you want to print (see page 22).
- 2 Once you are in the Details of the given name or phone number: Press **Options**, scroll with \blacktriangledown or \blacktriangle to Print via IR, and press **Select**.

Editing a name and phone number stored in Phone book

- 1 Recall the name or phone number that you want to edit (see page 22).
- 2 Once you are in the Details of the given name or phone number: Press \blacktriangledown or \blacktriangle for the phone number or name,

press **Options**, scroll to Edit and press **Select**.

- 3 Edit the phone number (see page 21) or name (see page 20) and press **OK**.
- 4 If you edited the name, scroll to Replace (replaces original name) or Create entry and press **Select**.

Selecting a Phone book (Memory in use)

You can store names and phone numbers in the internal or SIM Phone book.

To select a Phone book for use:

- 1 With the display clear, press **Names**.
- 2 Scroll with \blacktriangledown or \blacktriangle to Options and press **Select**.
- 3 Scroll to Memory in use and press **Select**.
- 4 Scroll to SIM card or Phone and press **OK**.

NOTE: After the SIM card is changed, the SIM Phone book is automatically selected.

Setting the view for stored names and phone numbers (Type of view)

The phone can show the stored phone numbers and names in three different ways ('views').

To select a view:

- 1 With the display clear, press **Names**.

- ② Scroll with  or  to **Options** and press **Select**.
- ③ Scroll to **Type of view** and press **Select**.
- ④ Scroll to one of the following options and press **OK**: **Large font** (shows one name at a time), **Name list** (shows three names at a time), **Name, number**.

Viewing the amount of free space (Memory status)

You can check how many names and phone numbers are stored and can still be stored in each Phone book.

- ① With the display clear, press **Names**.
- ② Scroll with  or  to **Options** and press **Select**.
- ③ Scroll to **Memory status** and press **Select**.
- ④ Press  or  for the following information on each Phone book:
 - **in use**: number of currently stored names and phone numbers
 - **free**: number of names and phone numbers that still can be stored

Service numbers (Service Nos)

This function allows you to easily call the service numbers of your service provider.

This function is shown only if there are service numbers stored on your SIM card.

- ① With the display clear, press **Names**.
- ② Scroll with  or  to **Service nos** and press **Select**.
- ③ Scroll to the desired service number and press  to call the number.

6. Menu Functions

The phone offers an extensive range of functions which allow you to tailor the phone to your needs.

These functions are arranged in menus and submenus.

Accessing the Menu Functions

To enter a particular menu function, either scroll through the functions until the desired one appears, or use an appropriate shortcut.

By scrolling

- ① With the display clear, press **Menu** to enter the menu facility.

Or, during a call: Press **Options**, scroll with  or  to **Menu**, press **Select**.

- ② At the main menu level, press  or  to reach the desired menu, such as **Settings**, and press **Select** to enter it.

The sliding bar to the right shows the menu's position in respect to other menus at the same menu level.

- ③ If the menu contains submenus (such as **Phone settings**), reach the one you want with  or  and press **Select**.

If the submenu contains a further set of submenus, repeat this step.

By shortcut

Each menu, submenu and setting option is provided with a shortcut number.

This number, which may consist of several digits separated by a dash (e.g. 4-3-3), is shown at the top right of the display.

- ① With the display clear, press **Menu** to enter the menu facility.
- ② *Within 3 seconds*, key in the first digit of the shortcut number. Repeat this for each digit of the shortcut number.

EXAMPLE

To set the "Anykey answer" function on:
With the display clear, press **Menu** 
(for **Settings**) 
(for **Call settings**) 
(for **Anykey answer**)
 (for **On**).

Exiting from the Menu Functions

To exit from the menu facility while at the main menu level, press **Exit**.

To return from a submenu to the previous menu level, press **Back**.

To exit from the menu facility while in any menu or submenu, press  or press and hold **Back**.

NOTE: Pressing  during a call **ends the active call**.

Help Texts

Most of the menu functions are provided with a brief help text.

To view the help text, scroll to the desired

menu function and wait for 10 seconds.

Once the text appears, press **More** (or  or ) if you want to scroll the text manually. Pressing **Back** exits from the text.

List of Menu Functions

1. Messages

- 1-1. Inbox
- 1-2. Outbox
- 1-3. Write messages
- 1-4. Message settings
 - 1-4-1. Set 1¹⁾
 - Message centre number
 - Messages sent as
 - Message validity
 - Rename this set
 - 1-4-2. Common²⁾
 - Delivery reports
 - Reply via same centre
- 1-5. Info service
- 1-6. Fax or data call
- 1-7. Service command editor

1-8. Voice messages

- 1-8-1. Listen to voice messages
- 1-8-2. Voice mailbox number

2. Call register

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

¹⁾ The number of sets depends on how many sets your SIM card offers. Each set appears in its own submenu and may have any name.

²⁾ The shortcut number of this submenu depends on the number of sets available.

3. Profiles

3-1. General

3-1-1. Activate

3-1-2. Personalise

- Incoming call alert
- Ringing tone
- Ringing volume
- Vibrating alert¹⁾
- Message alert tone
- Keypad tones
- Warning and game tones

3-2. Silent

3-2-1. Activate

3-2-2. Personalise (same submenus as in General)

3-2-3. Rename

3-3. Meeting (same submenus as in Silent)

3-4. Outdoor (same submenus as in Silent)

3-5. Pager (same submenus as in Silent)

3-6. Car ²⁾

3-6-1. Activate

3-6-2. Personalise

- Incoming call alert
- Ringing tone
- Ringing volume

- Message alert tone
- Keypad tones
- Warning and game tones
- Automatic answer
- Lights

3-7. Headset ³⁾

3-7-1. Activate

3-7-2. Personalise (same submenus as in General plus Automatic answer)

4. Settings

4-1. Alarm clock

4-2. Clock

4-3. Call settings

4-3-1. Anykey answer

4-3-2. Automatic redial

4-3-3. Speed dialling

4-3-4. Call waiting options

4-3-5. Own number sending

4-4. Phone settings

4-4-1. Language

4-4-2. Cell info display

4-4-3. List of own numbers

4-4-4. Welcome note

4-4-5. Network selection

4-5. Security settings

4-5-1. PIN code request

4-5-2. Call barring service

¹⁾ This setting is available only when the phone is used with a special battery.

²⁾ This profile is shown only if the phone is or has been used with the car kit CARK-91.

³⁾ This profile is shown only if the phone is or has been used with the headset HDC-9.

- Outgoing calls
- International calls
- International except to home country
- Incoming calls
- Incoming calls if abroad
- Cancel all barrings

4-5-3. Fixed dialling

4-5-4. Closed user group

4-5-5. Security level

4-5-6. Change access codes

- Change security code
- Change PIN code
- Change PIN2 code
- Change barring password

4-6. Restore factory settings

5. Call divert

5-1. Divert all voice calls without ringing

5-2. Divert when busy

5-3. Divert when not answered

5-4. Divert when off or no coverage

5-5. Divert all fax calls

5-6. Divert all data calls

5-7. Cancel all divers

6. Games

7. Calculator

8. Calendar

Descriptions of the Menu Functions

The following pages explain how to operate each menu function. The function name is followed by the shortcut number.

Messages (Menu 1)



This menu includes functions related to text (SMS) messages, voice messages, fax and data calls, as well as service commands and the network's information service messages.

To enter this menu:

With the display clear, press **Menu** (Messages appears) and then **Select**.

Text Messages

The SMS network service allows you to send short text messages to phones provided with SMS capability.

Message Indicators

When  is displayed continuously you have received a text message.

When  flashes there is no more space for new messages. Use the "Erase" function in the "Inbox" submenu to make some space.

Voice Messages

The voice message service allows you to have an own voice mailbox held by your service provider.

Reading a text message (Inbox - Menu 1-1)

When you receive a text message,  and the number of new messages followed by message(s) received will appear and a short tone will be heard (see "Message alert tones" on page 42).

Received messages can be viewed in the "Inbox" submenu.

- ① *With a note of a new message on the display:*

Press **Read** to read the message immediately or **Exit** to view it later.

To view the message later:

Once in the Messages menu, scroll with  or  to Inbox, and press **Select**.

- ② A list of message headers appears. Each header contains the sender's name or the start of the message.

 in front of the header means that the message has not yet been read.

 in front of the header indicates a delivery report.

Scroll to the desired message and press **Read** to view it.

- ③ Use  or  to browse through the message and related information, such

as sender's phone number and reception date and time.

- ④ While reading the message, you can access the following functions by pressing **Options**. Scroll to the desired function and press **OK**.

Erase

Deletes the message. Press **OK** to confirm the operation.

Reply

Allows you to send a reply to the sender of the message. Key in your message, press **Options**, scroll to the desired function, and press **OK**. You can select from the same options as in "Write messages" (Menu 1-3).

Edit

Allows you to change the message. Make your edits, press **Options**, scroll to the desired function, and press **OK**. You can select from the same options as in "Write messages" (Menu 1-3).

Use number

Extracts a phone number from the message for calling or saving. If there are several numbers, scroll to the desired one and press **OK**. Press **Save** to store the number in Phone book or  to call it.

Forward

Allows you to send the message further. Edit the message (if necessary), press **Options**, scroll to the desired function, and press **OK**. You can select from the same options as in "Write messages" (Menu 1-3).

Print via IR

Prints the message via the phone's infrared port to a compatible printer.

Details

Shows details of the message. Use  or  for some or all of the following: sender's name and phone number, message centre used for sending, reception date and time, reply path availability.

Sending a text message (Menu 1-2 and 1-3)

You can write and send text messages within the "Write messages" submenu.

You can save your own messages in the "Outbox" submenu (Menu 1-2) for later use.

To write and send a text message:

- ① Once in the **Messages** menu, scroll with  or  to **Write messages** and press **Select**.
- ② Key in a message of up to 160 characters (see "Keying in a Name" on page 20). The number of remaining characters is shown at the top of the display.
- ③ Once you are finished with writing, press **Options** for the following functions. Scroll to the desired function and press **OK**.

Send

Sends the message by using the first set listed in "Message settings" (Menu 1-4). Key in the recipient's

phone number or recall it from Phone book and press **OK**. Press **OK** to send the message.

Send by set

Allows to send the message by using a selected set. Scroll to the desired set and press **Select**.

Select **Numeric** (for phone number) or **Alphanumeric** (for e-mail address, for example) and press **OK**. Key in the desired phone number or alphanumeric address (if supported by your service provider) and press **OK**.

Save

Stores the message in Outbox.

Clear screen

Removes from the display all the characters that you have keyed in.

To view your own messages:

Once in the **Messages** menu, scroll to **Outbox** and press **Select**. Scroll to the desired message.

Pressing **Read** shows the message.

Pressing **Options** while reading allows access to the same functions as in **Inbox** (Menu 1-1), except for **Reply**.

Message settings (Menu 1-4)

There are two kind of message settings: those specific to each setting group ('set') and those common to all text messages.

To enter these settings:

- Once in the **Messages** menu, scroll with  or  to **Message settings** and press **Select**.

Sets and menu numbering

A setting group or "set" is a collection of settings needed for sending text messages.

You can, for example, send a text message as a fax, if supported by your service provider, by simply selecting the set in which you have predefined the proper settings for fax transmissions.

Each set appears in its own submenu.

One set is stored in the phone. If there are any sets on the SIM card, these sets are used instead.

If there is one set only, the submenus are numbered as below. If there are several sets, the submenu numbering will change accordingly.

Set specific settings (Set 1 - Menu 1-4-1)¹⁾

Within this submenu you can change the settings of a particular set.

To access these settings:

- ① Once in the **Message settings** submenu, scroll with  or  to the desired set and press **Select**.

NOTE: The set can have any name that you can change with the "Rename this set" function.

- ② Scroll to one of the following settings and press **Select** to enter it.

Message centre number

Stores the phone number of the message centre needed for sending text messages. You obtain this number from your service provider.

Key in or edit the phone number (or recall it from Phone book) and press **OK**.

Messages sent as

You can request the network to convert your **Text** messages into **E-mail**, **Fax**, or **Paging** format (network service).

Scroll with  or  to the desired format and press **OK**.

In order to receive a converted message, the recipient must have an appropriate terminal device available.

Message validity

This network service allows you to set the time that your text messages are stored at the message centre while attempts are made to deliver them.

Scroll with  or  to the desired time and press **OK**.

Rename this set

Allows you to rename the set.

Key in the new name (of up to 10 characters) and press **OK**.

Settings common to all messages (Common - Menu 1-4-2)

The settings in this submenu apply to all outgoing text messages, irrespective the selected set.

¹⁾ The total number of sets depends on how many sets your SIM card offers.

- ① Once in the **Message settings** submenu, scroll with \blacktriangledown or \blacktriangle to **Common** and press **Select**.
- ② Scroll to either of the following functions and press **Select**.

Delivery reports

You can request the network to send delivery reports on your text messages (network service).

Scroll with \blacktriangledown or \blacktriangle to **Yes** or **No** and press **OK**.

Reply via same centre

You can request the network to route the reply to your text message via your own message centre (network service).

Scroll with \blacktriangledown or \blacktriangle to **Yes** or **No** and press **OK**.

Info service (Menu 1-5)

This network service allows you to receive messages on various topics (such as weather and traffic conditions) from your service provider.

For available topics and relevant topic numbers, contact your service provider.

- ① Once in the **Messages** menu, scroll with \blacktriangledown or \blacktriangle to **Info service** and press **Select**.
- ② Scroll to one of the following options and press **OK**:

On

Sets info message reception on.

Off

Sets info message reception off.

Topic index

Fetches a list of available topics for the **Topics** function from the network.

Topics

Allows access to the following functions. Scroll to the desired function and press **OK**.

Select

Allows you to select the desired topics. Scroll to a topic and press **Mark** to select or **Unmark** to deselect it. Repeat this as many times as needed. Next, press **Back** and then **Yes** to save or **No** to ignore the changes.

Add topic

Includes a new topic in the topics list. Key in the topic number and press **OK**. Repeat this with the name.

Edit

Allows you to change the topic name and number. Scroll to the desired topic and press **OK**. Edit the number and press **OK**. Repeat this with the name.

Erase

Allows you to remove a topic from the topics list. Scroll to the desired topic and press **OK**.

Read

Shows received messages. Scroll to the desired topic and press **Select**. Use \blacktriangledown for browsing.

Pressing **Options** allows access to **Unmark topic** or **Use number**

(copies phone number from message to display). Reach either function and press **Select**.

Language

Sets the language for the messages. Only messages in the selected language are shown. Scroll to a language and press **Mark** to select or **Unmark** to deselect it. Repeat this as many times as needed. Next, press **Back** and then **Yes** to save or **No** to ignore the changes.

Fax or data call (Menu 1-6)

The phone can send and receive data through the Nokia Cellular Data Suite PC application (network service).

For more details, refer to the documentation supplied with your Nokia Cellular Data Suite and communications applications.

Making a data or fax call

- ① Once in the Messages menu, scroll with  or  to Fax or data call and press **Select**.
- ② Select Fax and data or Also voice and press **Select**. Also voice allows you to switch from voice mode to data (or fax) mode during a call.
- ③ Key in the desired phone number or recall it from Phone book, and press **OK**.
- ④ If you selected Also voice in step 2, to switch from voice to data/fax mode (or vice versa) during the call:

Press **Options**, select Voice mode or Data mode (or Fax mode), and press **OK**.

- ⑤ After the transmission, end the call by pressing .

NOTE: You cannot make a data or fax call while you have active or held calls in progress.

Receiving a data or fax call

You can answer a data or fax call in the normal way, even when the phone keypad is locked.

Service command editor (Menu 1-7)

From this submenu you can send service requests, e.g. activation commands of network services, to your service provider.

- ① Once in the Messages menu, scroll with  or  to Service command editor and press **Select**.
- ② Key in the numbers that you want to include in the message.

Press  for a hash (#) and  for an asterisk (*). When pressed and held,  switches between numbers and letters.
- ③ Press **Send** to send the message

Voice messages (Menu 1-8)

To enter this submenu:

- Once in the **Messages** menu, scroll with \blacktriangledown or \blacktriangleup to **Voice messages** and press **Select**.

Listen to voice messages (Menu 1-8-1)

When you enter this submenu, the phone calls your voice mailbox at the phone number stored within Menu 1-8-2.

- Once in the **Voice messages** submenu, scroll with \blacktriangledown or \blacktriangleup to **Listen to voice messages** and press **Select**.

 **TIP:** Alternatively, press and hold 100 when the display is clear.

NOTE: When 100 is displayed, you can press **Listen** to listen to the message.

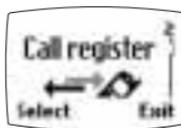
Voice mailbox number (Menu 1-8-2)

Within this submenu you can store the phone number of your voice mailbox. You obtain this number from your service provider.

- ① Once in the **Voice messages** submenu, scroll with \blacktriangledown or \blacktriangleup to **Voice mailbox number** and press **Select**.
- ② Key in the phone number or recall it from **Phone book** (or edit the existing number) and press **OK**.

See also "Listen to voice messages" above, "Calling Your Voice Mailbox" on page 17, and "Call divert (Menu 5)" on page 49.

Call register (Menu 2)



To enter this menu:

Press **Menu**, scroll with \blacktriangledown or \blacktriangleup to **Call register**, and press **Select**.

Options within submenus 2-1 - 2-3

In these submenus, you can access the following functions by pressing **Options**. Scroll to the desired function and press **Select**.

Time of call

Shows the date and time when the call was registered by the phone. If the same number was registered several times, you can see each call time using \blacktriangledown or \blacktriangleup .

Edit number

Allows you to first edit the displayed name or phone number and then store it in **Phone book**. Edit the number and press **Save**. Edit the name and press **OK**.

Save

Stores the displayed phone number in **Phone book**. Key in the associated name and press **OK**.

Erase

Deletes the displayed phone number from the list. Press **OK** to confirm or **Back** to cancel the operation.

View number

Shows the phone number associated with the displayed name.

 **TIP:** You can dial a listed phone number by pressing  with the desired name or number on the display.

Missed calls (Menu 2-1)

You can view the ten phone numbers from which somebody has most recently tried to call you with no success (network service).

This function works only in digital networks which allow you to view a caller's phone number.

① Once in the Call register menu, scroll with  or  to Missed calls and press **Select**.

② Scroll with  or  through the list.

Alternatively: When a note of missed calls is displayed, press **List**.

NOTE: The phone only registers missed calls when it is switched on and is used within the network's service area.

Received calls (Menu 2-2)

You can view the ten phone numbers from which you have most recently accepted calls (network service).

This function works only in digital networks which allow you to view a caller's phone number.

① Once in the Call register menu, scroll with  or  to Received calls and press **Select**.

② Scroll with  or  through the list.

Dialled numbers (Menu 2-3)

You can view the ten phone numbers that you have most recently dialled, i.e. called or tried to call.

① Once in the Call register menu, scroll with  or  to Dialled numbers and press **Select**.

② Scroll with  or  through the list.

Alternatively: With the display clear, first press  and then scroll with  or .

Erase recent call lists (Menu 2-4)

You can delete all phone numbers appearing in Menus 2-1, 2-2 and 2-3.

① Once in the Call register menu, scroll with  or  to Erase recent call lists and press **Select**.

② Scroll to All, Missed, Dialled, or Received.

③ Press **OK** to delete the phone numbers or **Back** to cancel the operation.

These phone numbers are erased also in the following cases:

- When you switch on the phone with a SIM card which is not one of the

five cards used most recently with the phone.

- When you change the "Security level" setting (see page 49).

Show call duration (Menu 2-5)

You can view the duration of your calls and clear the timers.

- ① Once in the **Call register** menu, scroll with  or  to **Show call duration** and press **Select**.

- ② Scroll to one of the following functions:

Last call duration
(Menu 2-5-1)

Shows the duration of the last (or current) outgoing or incoming call in hours, minutes and seconds.

All calls' duration
(Menu 2-5-2)

Shows the total duration of calls made or received with any SIM card.

Received calls' duration
(Menu 2-5-3)

Shows the total duration of calls received with any SIM card.

Dialled calls' duration
(Menu 2-5-4)

Shows the total duration of calls made with any SIM card.

Clear timers (Menu 2-5-5)

Resets all timers. Press **OK**, key in the security code, and press **OK**.

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

Show call costs (Menu 2-6)

This network service allows you to check the costs of your calls.

The costs are shown in terms of units set within Menu 2-7-2, for each SIM card independently.

- ① Once in the **Call register** menu, scroll with  or  to **Show call costs** and press **Select**.

- ② Scroll to one of the following functions:

Last call cost (Menu 2-6-1)

Shows the cost of the last or current call.

All calls' cost (Menu 2-6-2)

Shows the total cost of all calls made with the current SIM card.

Clear counters (Menu 2-6-3)

Resets all cost counters. Press **OK**, key in the PIN2 code, and press **OK**.

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 (Menu 2-7)

To enter this submenu:

- Once in the Call register menu, scroll with \blacktriangledown or \blacktriangle to Call cost settings and press **Select**.

Call costs' limit (Menu 2-7-1)

You can limit the costs of your calls to a selected number of charging units or units of currency (set within Menu 2-7-2).

- ① Once in the Call cost settings submenu, scroll with \blacktriangledown or \blacktriangle to Call costs' limit and press **Select**.
- ② Key in the PIN2 code and press **OK**.
- ③ Scroll to **On** (turn limit on) or **Off** (turn limit off) and press **OK**.
- ④ If you selected **On**, key in the cost limit and press **OK**.

Pressing $\ast\ast$ or $\#\ast$ inserts a period.

If you selected **On**, the number of remaining units is shown when the display is clear.

When all units have been used, no calls can be made except emergency calls to the number 112.

Show costs in (Menu 2-7-2)

The phone can show the call cost limits in terms of charging units or the desired currency. Contact your service provider for charging unit prices.

- ① Once in the Call cost settings submenu, scroll with \blacktriangledown or \blacktriangle to Show costs in and press **Select**.
- ② Key in the PIN2 code and press **OK**.

- ③ Scroll to Currency or Units and press **Select**.

- ④ If you selected Currency, key in the charging unit price and press **OK**. Next, key in the currency name and press **OK**.

Pressing $\ast\ast$ or $\#\ast$ inserts a period.

Profiles (Menu 3)



Within this menu you can set the

phone tones and lights to function in the desired manner in different operating environments.

All you need to do is select the desired user environment (profile).

The phone comes with a pre-programmed set of profiles. You can rename the profiles and change the contained settings to your tastes.

When the display is clear, the name of the currently selected profile is shown (except when "General" is selected).

Accessing the profiles

You can set on the desired profile either within this menu or, when the display is clear, by doing as follows:

- ① Press $\textcircled{1}$ quickly.
- ② Scroll with \blacktriangledown or \blacktriangle to the desired profile (e.g. Meeting). Or: Press $\textcircled{1}$ quickly as many times as necessary.
Switch off! turns off the phone.

- ③ Press **OK** (or press and hold **Ⓢ**) to select the profile.

Changing profile settings (such as incoming call alert)

- ① Press **Menu**, scroll with **⏪** or **⏩** to Profiles, and press **Select**.
- ② Scroll to the desired profile.

General is the default setting.

Car and Headset appear only if the phone is or has been used with the car kit CARK-91 or headset HDC-9, respectively.

- ③ Press **Options** for the following functions. Scroll to the desired function and press **OK**.

Activate

Sets on the selected profile.

NOTE: When the phone is connected to the car kit CARK-91 or headset HDC-9, this function is not available.

Personalise

Allows you to change the following settings of the selected profile. Scroll to the desired setting and press **Select**.

Incoming call alert

Defines how the phone notifies you of an incoming voice call. Scroll with **⏪** or **⏩** to one of the following options and press **OK**:

Ascending

The phone rings.

Ascending

The phone starts ringing at a low volume and then gradually raises the volume to the selected volume level.

Ring once

The phone rings once.

Beep once

The phone beeps once.

Caller groups

The phone rings only upon calls from phone numbers which belong to a selected caller group. (Also a graphic is shown, if specified to the group.)

Scroll to the desired group and press **Mark** to select or **Unmark** to deselect it. Repeat this as many times as necessary.

Next, press **Back** and then **Yes** to save or **No** to ignore the changes. See also "Caller Groups" on page 23.

Off

The phone sounds no tone when a call comes in.

Ringing tone

Sets the ringing tone for voice calls. Scroll with **⏪** or **⏩** to the desired tone (a sample is sounded) and press **OK**. Select "Personal" for a downloaded tone (see note below).

NOTE: You can download a new ringing tone via SMS (network service).

Ringing volume

Sets the volume level for the ringing and message alert tones. Scroll with

▼ or ▲ to the desired level (a sample is sounded) and press **OK**.

NOTE: If you select the highest level, you have to confirm your choice by pressing **OK**.

Vibrating alert

Sets the phone (when provided with a special battery) to vibrate when a voice call comes in. The vibrator does not work when the phone is connected to a charger or handsfree car kit.

Scroll with ▼ or ▲ to **On** or **Off** and press **OK**.

Message alert tone

Sets the ringing tone for text messages. Scroll with ▼ or ▲ to the desired tone (a sample is sounded) and press **OK**.

Keypad tones

Sets the volume level for keypad tones. Scroll with ▼ or ▲ to the desired level (a sample is sounded) and press **OK**.

Warning and game tones

Sets the phone to sound tones, e.g. when the battery is running out of power or when you play one of the games in the phone. This setting has no effect on the tones related to network services.

Scroll with ▼ or ▲ to **On** or **Off** and press **OK**.

Automatic answer (in Car and Headset profiles only)

Sets the phone to answer an incoming voice call after one ring. This

function can be used when the car kit is equipped with ignition sense and ignition is switched on. Scroll to **On** or **Off** and press **OK**.

Lights (in Car profile only)

Sets the display and keypad lights.

Scroll with ▼ or ▲ to **On** (always on) or **Automatic** (on for 15 seconds after key press or incoming call alert) and press **OK**.

NOTE: While in Phone book or the menu functions, you can switch on the lights for 15 seconds by pressing Ⓛ quickly even if "Automatic" is selected.

Rename

Allows you to edit the name of the selected profile. Key in the new name and press **OK**.

NOTE: This function is not available in the General, Headset, and Car profiles.

Settings (Menu 4)



To enter this menu:

Press **Menu**, scroll with ▼ or ▲ to **Settings**, and press **Select**.

Alarm clock (Menu 4-1)

The phone can be set to alarm at a specified time. For setting the time format, see Clock (Menu 4-2).

① Once in the **Settings** submenu, scroll with  or  to **Alarm clock** and press **Select**.

② If the alarm was off, the phone asks for the desired alarm time. Key in the time in hours and minutes and press **OK**.

If the alarm was on, scroll to **On** or **Off** and press **OK**: Selecting **On** allows you to change the alarm time. Selecting **Off** sets off the alarm.

When the alarm time expires

The phone sounds an alert tone (unless In-coming call alert is set to "Off" or "Beep once"), shows **Alarm!** and flashes its lights. If you press **Stop** or switch off the phone, the alarm is set off.

If you press any other key or let the phone alarm for one minute, the phone stops alarming for five minutes and resumes thereafter. You can end this 'snoozing' by pressing **Stop** or switching off the phone.

If the alarm time expires while the phone is switched off, the phone will switch itself on and start alarming. If you press **Stop**, the phone will ask whether you want to activate the phone for calls. Press **Yes** to accept or **No** to switch off the phone.

NOTE: While the phone is snoozing, only calls to the emergency number 112 can be made.

Clock (Menu 4-2)

The phone is provided with a clock. The current time is always shown, except when you are in the Phone book or menu functions.

The clock also serves the following functions: Messages (Menu 1), Call register (Menu 2), Alarm clock (Menu 4-1), and Calendar (Menu 8).

① Once in the **Settings** submenu, scroll with  or  to **Clock** and press **Select**.

② Scroll to one of the following functions and press **OK**.

Show/Hide clock

Allows you to set the time display on or off.

Set the time

Key in the time and press **OK**.

Time format: Allows you to select the 12-hour or 24-hour time format.

Scroll to either format and press **OK**.

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

Call settings (Menu 4-3)

To enter this submenu:

- Once in the **Settings** menu, scroll with  or  to **Call settings** and press **Select**.

Anykey answer (Menu 4-3-1)

When this function is set on, you can answer an incoming call by pressing any key briefly, except  and .

① Once in the **Call settings** submenu, scroll with  or  to **Anykey answer** and press **Select**.

② Scroll to **On** or **Off** and press **OK**.

Automatic redial (Menu 4-3-2)

When this function is set on, your phone will make up to ten attempts to connect with a phone number after an unsuccessful call attempt.

Pressing  ends the call attempts.

- ① Once in the **Call settings** sub-menu, scroll with  or  to **Auto-automatic redial** and press **Select**.
- ② Scroll to **On** or **Off** and press **OK**.

Speed dialling (Menu 4-3-3)

When this function is set on, you can call a phone number assigned to a speed dialling key (any of  to ) by pressing and holding the corresponding number key.

- ① Once in the **Call settings** sub-menu, scroll with  or  to **Speed dialling** and press **Select**.
- ② Scroll to **On** or **Off** and press **OK**.

See also "Speed dialling a phone number" on page 17 and "Speed Dialling" on page 24.

Call waiting options (Menu 4-3-4)

When this network service is activated, the network will notify you of a new incoming call while you have a call in progress.

- ① Once in the **Call settings** sub-menu, scroll with  or  to **Call waiting options** and press **Select**.

- ② Scroll to one of the following options and press **OK**: **Activate**, **Cancel**, **Status** (shows call types for which call waiting is active).

Own number sending (Menu 4-3-5)

You can set your phone number to be displayed to or hidden from the called party.

This network service is available only in digital networks which allow you to view a caller's phone number.

When you change the SIM card, **Preset** is automatically selected.

For details, contact your service provider.

- ① Once in the **Call settings** sub-menu, scroll with  or  to **Own number sending** and press **Select**.
- ② Scroll to **Preset**, **On**, or **Off**, and press **OK**.
Preset resets the phone to the default setting (**On** or **Off**) that you have agreed upon with your service provider.

Phone settings (Menu 4-4)

To enter this submenu:

- Once in the **Settings** menu, scroll with  or  to **Phone settings** and press **Select**.

Language (Menu 4-4-1)

You can select the language in which the display texts are shown.

This setting also affects the time and date formats of the following functions: Alarm

clock (Menu 4-1), Clock (Menu 4-2), Calendar (Menu 8).

- ① Once in the **Phone settings** sub-menu, scroll with  or  to **Language** and press **Select**.
- ② Scroll to the desired language or **Automatic** (language is chosen based on current SIM card) and press **OK**.

Cell info display (Menu 4-4-2)

You can set the phone to indicate when it is used in a cellular network based on Micro Cellular Network (MCN) technology (network service).

The setting will remain in effect even if the SIM card is changed or the phone is switched off.

- ① Once in the **Phone settings** sub-menu, scroll with  or  to **Cell info display** and press **Select**.
- ② Scroll to **On** or **Off** and press **OK**.

List of own numbers (Menu 4-4-3)

Within this sub-menu you may store and manage the phone numbers assigned to your SIM card, if allowed by the card.

This function is a memory aid, from which you can check your own phone numbers if you need to do so.

Hence, the edits you make here do not affect in any way the actual subscriber number(s) of your SIM card.

- ① Once in the **Phone settings** sub-menu, scroll with  or  to **List of own numbers** and press **Select**.
- ② Scroll to one of the previously stored phone numbers, if any available.
- ③ Press **Options** for the following functions. Scroll to the desired function and press **Select**.

Add number

Includes a new phone number and name in the list. Key in the name and press **OK**. Key in the number and press **OK**.

Erase

Allows you to remove the displayed name and phone number from the list.

Edit

Allows you to edit the displayed name or phone number. Edit the name (or number) and press **OK**.

Welcome note (Menu 4-4-4)

You can compose a message (up to 36 characters) which pops up on the display when the phone is switched on.

- ① Once in the **Phone settings** sub-menu, scroll with  or  to **Welcome note** and press **Select**.
- ② Key in the message.
- ③ Press **Options**, scroll with  or  to **Save** or **Erase**, and press **OK**.

Network selection (Menu 4-4-5)

You can set the phone to automatically select one of the cellular networks available in your area, or you may select the desired network manually.

- ① Once in the **Phone settings** submenu, scroll with **⏴** or **⏵** to **Network selection** and press **Select**.
- ② Scroll to **Automatic** or **Manual** and press **Select**.
- ③ If you selected **Manual**: Scroll to the desired network and press **Select**.

NOTE:

- If you select any other than your home network, this network must have a roaming agreement with your home network operator. Otherwise, the text **No access** will be displayed.
- You cannot change the network during a call.

Security settings (Menu 4-5)

You can protect your phone and SIM card against unauthorised use using the functions within this submenu. See also "Access Codes" on page 58.

To enter this submenu:

- Once in the **Settings** menu, scroll with **⏴** or **⏵** to **Security settings** and press **Select**.

PIN code request (Menu 4-5-1)

You can set the phone to ask for the PIN code of your SIM card when the phone is switched on.

Note that some SIM cards do not allow turning off the PIN code request.

- ① Once in the **Security settings** submenu, scroll with **⏴** or **⏵** to **PIN code request** and press **Select**.
- ② Key in the PIN code and press **OK**. Scroll to **On** or **Off** and press **OK**.

Call barring service (Menu 4-5-2)

This network service allows you to restrict making and receiving calls with your phone.

See also "Change access codes" on page 49 and "Barring password" on page 59.

- ① Once in the **Security settings** submenu, scroll with **⏴** or **⏵** to **Call barring service** and press **Select**.
- ② Scroll to one of the following barring modes and press **Select**:
 - Outgoing calls**
Calls cannot be made.
 - International calls**
Calls cannot be made to foreign countries.
 - International except to home country**
When abroad, calls can be made only within the current country and to your home country, i.e. the country where your home network operator or service provider is located.

Incoming calls
Calls cannot be received.

Incoming calls if abroad
Calls cannot be received outside your home country.

Cancel all barrings

NOTE: If you selected **Cancel all barrings**, the steps which follow will not be available.

③ Scroll to one of the following functions and press **OK**: **Activate**, **Cancel**, or **Status** (shows barred call types).

④ Do one of the following:

- If you selected **Activate** or **Cancel**, key in the barring password and press **OK**.
- If you selected **Status**, the phone will list the call types (such as voice calls or data calls) for which the selected barring mode is active. Use  or  to scroll through the list.

NOTE:

- When calls are barred, calls may be possible to certain emergency numbers in some networks (e.g. 112 or other official emergency number).
- When you make a call and a barring mode is set on, the phone may display a note reminding you of this.

Fixed dialling (Menu 4-5-3)

You can restrict your outgoing calls to selected phone numbers, if supported by your SIM card.

When this function is set on, you can only call phone numbers which are included in the fixed dialling list or which begin with the same digit(s) as a phone number in the list.

① Once in the **Security settings** submenu, scroll with  or  to **Fixed dialling** and press **Select**.

② Scroll to **On** (sets function on), **Off** (sets function off), or **Numbers**, and press **OK**.

③ If you selected **On** or **Off**, key in the PIN2 code and press **OK**.

If you selected **Numbers**, you can select from the functions below. Scroll to the desired option and press **Select**.

Search

Recalls a name (and phone number) from the list. Scroll with  or  to the desired name. Press **Detail** and scroll to the name or associated phone number. Press **Options** to access the **Edit** or **Erase** function. Key in the PIN2 code and press **OK**. Scroll to either function and press **Select**.

Edit

Allows to modify the name or phone number. Edit the name or number and press **OK**.

Erase

Allows to remove the name and phone number from the list.

Press **OK** to erase or **Back** to cancel the operation.

 **TIP:** You can call a listed phone number by pressing  twice.

Add entry

Adds a new name and phone number to the list. Key in the PIN2 code and press **OK**. Key in the name and press **OK**. Key in the phone number and press **OK**.

Erase all

Removes all phone numbers from the list. Key in the PIN2 code and press **OK**. Next, press **OK** to remove or **Back** to cancel the operation.

NOTE: When Fixed Dialling is set on, calls may be possible to certain emergency numbers in some networks (e.g. 112 or other official emergency number).

Closed user group (Menu 4-5-4)

This network service allows you to set the phone to accept calls to and from a selected group of people ('closed user group') only.

You may be a member of up to ten groups. For details, contact your service provider.

- ① Once in the **Security** settings submenu, scroll with  or  to **Closed user group** and press **Select**.
- ② Scroll to one of the following options and press **OK**:

Off

Calls can be made and received in the normal way. You can use this option only if entitled to do so. For details, contact your service provider.

Preset

Sets the phone to use the group that the SIM card owner has agreed upon with the service provider.

NOTE: This option is automatically selected when the phone is switched on or the SIM card is changed.

On

Sets the phone to use a particular group. Calls can be made to or received from the members of the selected group only.

- ③ If you selected **On**, key in the number of the desired group (obtained from your service provider) and press **OK**.

When a closed user group is selected,  and the group number are shown in the middle of the display when the display is clear. To see this indication when it is hidden e.g. by a profile name, press .

NOTE:

- When calls are limited to Closed User Groups, calls may be possible to certain emergency numbers in some networks (e.g. 112 or other official emergency number).
- If you accidentally select a wrong group, you may not be able to make or receive any calls. In that case, re-enter this function and give the correct group number.

Security level (Menu 4-5-5)

The phone is supplied with a 5-digit security code which allows you to protect the phone against unauthorised use.

NOTE: When you change this setting, all automatically registered phone numbers are erased. See also "Call register (Menu 2)" on page 37.

① Once in the *Security* settings submenu, scroll with  or  to *Security level* and press **Select**.

② Key in the security code and press **OK**.

③ Scroll to one of the following options and press **OK**:

None

The security code is not required when the phone is switched on or when you select the internal Phone book.

Memory

The security code is required to select the internal Phone book or to use any copy functions in Phone book.

Phone

The security code is required when switching on the phone with a SIM card which is not one of the five most recently used cards.

Change access codes (Menu 4-5-6)

You can change Security code, PIN code, PIN2 code and Barring password.

① Once in the *Security* settings submenu, scroll with  or  to *Change access codes* and press **Select**.

② Scroll to the desired code and press **Select**.

③ Key in the current code and press **OK**.

④ Key in the new code and press **OK**.

⑤ Key in the new code again and press **OK**.

NOTE: The access codes may only include characters 0 to 9. To change the PIN code, the PIN code request must be turned on within the "PIN code request" function (Menu 4-5-1).

Restore factory settings (Menu 4-6)

Within this submenu you can return the menu functions to their factory settings.

Note that this function has no effect on Phone book functions.

① Once in the *Settings* menu, scroll with  or  to *Restore factory settings* and press **Select**.

② Key in the security code and press **OK**.

Call divert (Menu 5)



The Call Divert network service allows you to direct your incoming calls to another phone number.

① Press **Menu**, scroll with  or  to *Call divert*, and press **Select**.

② Scroll to one of the following divert modes and press **Select**:

Divert all voice calls without ringing (Menu 5-1)

Divert when busy (Menu 5-2) (for voice calls only)

Divert when not answered (Menu 5-3) (for voice calls only)

Divert when phone off or no coverage (Menu 5-4)

Voice calls are diverted when your phone is switched off or outside of the network service area.

Divert all fax calls (Menu 5-5)

Divert all data calls (Menu 5-6)

Cancel all diverts (Menu 5-7)

All diverts are set off.

NOTE: If you selected **Cancel all diverts**, the steps which follow will not be available.

③ Scroll to one of the following functions and press **OK**: **Activate**, **Cancel**, **Status** (shows call types affected by selected divert mode).

④ Do one of the following:

- If you selected **Activate**, select the phone number to which you wish to divert the calls. Scroll to either of the following options and press **OK**:

Voice mailbox

Voice calls are diverted to your voice mailbox. See also "Voice

mailbox number (Menu 1-8-2)" on page 37.

Other number

Calls will be diverted to the desired phone number. Key in the phone number or recall it from Phone book, and press **OK**.

- If you selected **Status**, use \downarrow or \uparrow to view the call types (such as voice call or data call) for which the selected divert mode is active.

Pressing **Number** (if available) shows the phone number to which the calls are diverted. Pressing **Detail** (available only in "Divert when not answered") and then selecting **Delay** shows the time after which calls are diverted.

NOTE: When you make a call and a divert mode is set on, the phone may display a note reminding you of this.

Games (Menu 6)



Not only can you use the phone for communication but also for some serious fun.

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

- ① Press **Menu**, scroll with \downarrow or \uparrow to **Games**, and press **Select**.

② Scroll to the desired game and press **Select**.

③ Scroll to one of the following options and press **Select**.

New game

Starts a new game session.

NOTE: This option is replaced with 1 player / 2 player selection if you can play against a similar phone via infrared.

Top score

Shows the highest score of the game in your phone. Available only in the games which keep track of the score.

Instructions

Shows a brief help text on the game. You can scroll the text with **More** (or  and .

Level

Allows you to set the difficulty level. Select the desired level with  or  and press **OK**.

Continue

Allows you to resume a paused game. Available only when there is a game paused.

Last view

Shows the final view of an ended game right after the game.

④ To play the games, do as follows:

Snake

Feed the snake with as many goodies as possible. Use  -  (except for ) for moving the snake. The longer the snake's tail grows, the higher is

your score. When the snake hits its own tail or the surrounding wall, the game is over.

Memory

Reveal pictures to find pairs with as few tries as possible. Move the cursor with the following keys:  (up),  (left),  (right),  (down),  (jumps over revealed pictures and moves on to next row when at end of row),  (jumps over revealed pictures and moves back to previous row when at start of row).  reveals the pictures. Once found, pairs stay visible.

Logic

Find out a secret combination of figures. Available figures are shown at the top of the display before you accept the first guess row. Use  and  to move the cursor and  to select the figure. To copy a figure from a previously accepted guess row, start scrolling with , move the cursor to the desired figure in the normal way and accept the selection with .

Once you think that you have got the right combination, press . The result is presented as a set of marks over the row. A correct figure in right place gives a full mark; a correct figure in wrong place gives a half a mark. When all the figures are correct and in right places, the game ends.

⑤ While playing, pressing either selection key pauses the game (1-player games only). To resume a paused game, select **Continue**.

Starting a 2-player game

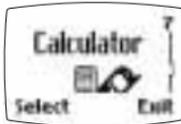
Before starting the game, ensure that the IR ports of the two devices are pointing at each other.

There are two ways to start a 2-player game.

Either: Both players start the same 2-player game on their phones.

Or: The first player sets up the infrared connection by entering the Infrared function (Menu 9) and the second player starts the 2-player game in the normal way.

Calculator (Menu 7)



The phone is provided with a basic four function calculator which can also be used for rough currency conversions.

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

To enter this menu:

- Press **Menu**, scroll with \blacktriangledown or \blacktriangle to Calculator, and press **Select**.

To make a calculation:

- ① Enter the first number in the calculation using the $0 \dots$ - 9 NUM keys.

Press $\# \text{ } \circlearrowleft$ for a period (.).

Use **Clear** for editing.

- ② To add, press $\text{ } \circlearrowleft \text{ } +$ once (+ appears).

To subtract, press $\text{ } \circlearrowleft \text{ } -$ twice (-).

To multiply, press $\text{ } \circlearrowleft \text{ } *$ three times (*).

To divide, press $\text{ } \circlearrowleft \text{ } /$ four times (/).

Or: Press **Options**, scroll with \blacktriangledown or \blacktriangle to the desired function, and press **OK**.

- ③ Repeat steps 1 and 2 as many times as necessary. A subtotal is shown after each step 2. For a total, press **Options** (Equals is selected) and press **OK**.

- ④ To start a new calculation, press and hold **Clear**.

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

To make a currency conversion:

- ① Set the exchange rate: Press **Options**, scroll to Exchange rate, and press **OK**. Scroll to either of the displayed options and press **OK**. Next, key in the exchange rate (press $\text{ } \circlearrowleft$ for a period) and press **OK**.
- ② Make the conversion: Key in the amount to be converted, press **Options**, scroll to To domestic or To foreign, and press **OK**.

Calendar (Menu 8)



The phone is provided with a calendar that can also be used as an appointment or birthday reminder.

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

- ① Press **Menu**, scroll with  or  to **Calendar**, and press **Select**.
- ② Scroll to the desired date.
- ③ Press **Options** for the following functions. Scroll to the desired function and press **OK**.

View day

Shows notes set for the chosen day.

Use  or  to browse through the note(s). Pressing **Options** allows access to the following functions. Scroll to the desired function and press **OK**.

Erase

Deletes the note. Press **OK** to confirm.

Edit

Allows you to edit the note. Edit the note and press **OK**.

Move

Allows you to change the date and time of the note. Key in the new date and press **OK**. Repeat this with the time.

Send note

Allows you to send the note as a text message (SMS). Key in the recipient's phone number and press **OK**.

Send via IR

Copies the note via the phone's infrared port to another similar phone.

Make note

Allows you to write a note. Scroll to the desired type of note and press **OK**.

Reminder ()

Key in the note and press **OK**. Key in the date and press **OK**. For setting a tone alert, see below.

Call ()

Key in the desired phone number or recall it from Phone book, and press **OK**. Key in the date and press **OK**. Repeat this with the time. For setting a tone alert, see below.

Meeting ()

Key in the note and press **OK**. Key in the date and press **OK**. Repeat this with the time. For setting a tone alert, see below.

Birthday ()

Key in the person's name and press **OK**. Key in the date of birth and press **OK**. Key in the year of birth and press **OK**. The note and person's age will be shown in every forthcoming year. For setting a tone alert, see below.

Setting a tone alert for any note

You can set the phone to sound a tone in anticipation for a note: Press **Yes**, key in the alarm date and press **OK**. Repeat this with the alarm time. The presence of a tone alert is indicated by  when you view the notes.

Erase notes

Allows you to delete the selected note(s). Scroll to one of the displayed options and press **OK**. If you selected **Of chosen day** or **One by one**, select the desired note and press **Erase**. If you selected **All at once**, press **Yes** to delete all the notes.

View all

Shows notes set for all days. Use  or  to browse through the note(s). Pressing **Options** allows access to the same functions as in "View day". Scroll to the desired function and press **OK**.

Go to date

Allows you to jump to the desired date. Key in the date and press **OK**.

Set the date

Allows you to change the current date. Key in the new date and press **OK**.

Print via IR

Allows you to print all notes via the phone's infrared port to a compatible printer.

When the phone alarms for a note

The phone flashes its lights, beeps, and displays the note.

With a **Call** note on the display, you can call the displayed number by pressing .

If the phone was set to sound a tone alert, pressing **Postpone** suspends the alert for 10 minutes. Pressing this key again postpones the alarm for another 10 minutes. To stop the alarm, press  or **OK**.

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

Infrared (Menu 9)



Within this menu you can set your phone to receive data through its infrared (IR) port. The phone is a Class 1 Laser Product.

To enter this menu:

Press **Menu**, scroll with  or  to **Infrared**, and press **Select**.

NOTE:

- The preferable distance between the two devices in infrared connection is one meter at most.
- There must be no obstructions between the two devices.
- The IR ports of the two devices have to be pointing at each other.

Receiving data via IR

To receive data from another similar phone:

- ① Ensure that the IR ports of the two devices are pointing at each other.
- ② Enter this menu to activate the IR port for data reception.
- ③ The user of the sending phone selects the desired IR function to start data transfer.

If data transfer is not started within 45 seconds after the activation of the IR port, the connection is cancelled and has to be started again.

Sending data via IR

For sending data to a similar phone or a compatible PC provided with an appropriate application, refer to the documentation supplied with the application and to the following sections in this user's guide:

- "Caller groups", page 23
- "Copying via IR", page 25
- "Printing via IR", page 26
- "Reading a text message (Inbox - Menu 1-1)", page 32
- "Profiles (Menu 3)", page 40
- "Games (Menu 6)", page 50

Checking the status of an IR connection

The status of an IR connection is indicated by **IR**.

When **IR** is shown continuously, there is an IR connection between your phone and the other device.

When **IR** is not shown, no IR connection exists.

When **IR** blinks, your phone is trying to connect to the other device or the connection has been lost.

7. Reference Information

DTMF Tones

The phone can send DTMF tones to communicate with answering machines, computerised telephone services etc.

The tones can be sent even when the keypad tones are set off.

Manual transmission

Make a call to the desired phone number and key in the numbers that you want to send as DTMF tones.

Automatic transmission

Start a call in the normal way. Then, do as follows: Press **Options**, scroll with  or  to **Send DTMF**, and press **Select**. Key in the DTMF sequence or recall it from Phone book, and press **OK** to send it.

Pressing **Exit** ends the DTMF transmission but not the call.

Placing pauses and waits in a DTMF sequence

When keying in a DTMF sequence, you can place pause and wait characters in front of or between DTMF numbers.

For a pause of 2.5 seconds, press  three times quickly (p is displayed). When sending the sequence, all numbers following the pause(s) are sent as DTMF tones.

For a wait character, press  four times quickly (w is displayed).

To send a DTMF sequence which contains wait characters:

- ① Start a DTMF call in the normal way.
- ② Press **Send** as many times as there are wait characters. Numbers after the waits are sent as DTMF tones.

NOTE: Pause and wait characters cannot be stored on some SIM cards.

Linking a phone number to a DTMF sequence

You can link a phone number to a DTMF sequence for sending them together.

- ① Key in a phone number or recall it from Phone book.
- ② Press  twice quickly (for +).
- ③ Key in the number of the speed dialling location that holds the DTMF sequence (this step can be skipped) and store the phone number in the internal Phone book. See also "Speed dialling" on page 24.
- ④ Call the phone number in the normal way.

Protection Cap of the Antenna Connector

At the back of the phone below the antenna there is a connector for an external antenna.

The connector is protected by a rubber cap. To attach an external antenna to the phone, first remove the cap and then connect the antenna.

After removing the external antenna, remember to replace the cap.

NOTE: Keep the cap out of small children's reach.

Using the Batteries

Your phone is powered by a rechargeable Li-Ion or NiMH battery.

Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer.

The operation and the lifetime of the battery are greatly affected by how you handle the battery. Take good care of the battery and follow the guidelines presented below.

Charging and discharging the battery

- 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.
- When a charger is not in use, disconnect it from the power source.
- Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its life.
- If left unused a fully charged battery will discharge itself over time.
- 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. Do not attempt to discharge the battery by any other means.
- Temperature extremes will affect the ability of your battery to charge: allow it to cool down or warm up first.

Notes for using the batteries

- Use the battery only for its intended purpose.
- Never use any charger or battery which is damaged or worn out.
- Using the phone near the network's base station consumes less power. The operation times are greatly affected e.g. by the signal strength of the cellular network and the parameters set by the network operator.
- 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 back of the battery) for example when you carry a spare battery in your pocket or purse.

Short circuiting the terminals may damage the battery or the connecting object.

- Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery.

Always try to keep the battery between 15°C and 25°C (59°F and 77°F). A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged.

NiMH batteries performance is particularly limited in temperatures below -10°C (14°F).

Li-Ion batteries performance is particularly limited in temperatures below 0°C (32°F).

- Do not dispose of batteries in a fire!
- Batteries must be recycled or disposed of properly. Must not be disposed of in municipal waste

Access Codes

The access codes described in this section help you protect against unauthorised use of your phone and SIM card.

When asked for any of the access codes, key in the proper code and press **OK**. If you make a mistake, first delete the digit with **Clear** and then key in the correct one. For changing the codes, see page 49.

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

Security code

The security code is supplied with the phone. It protects your phone against unauthorised use. Keep the code secret and in a safe place, separate from the phone.

See also "Security level (Menu 4-5-5)" on page 49.

If you key in an incorrect security code five times in succession, the phone will not accept the correct code for the next five minutes.

PIN code

The PIN (Personal Identity Number) code is usually supplied with the SIM card. It protects your SIM card against unauthorised use.

When the PIN code request is enabled (see page 46), the code is asked each time the phone is switched on.

If you enter a wrong PIN code three times in succession, 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

The PIN2 code, supplied with some SIM cards, is required to access some functions, such as charging unit counters. These functions must be supported by your SIM card.

If you enter a wrong PIN2 code three times in succession, follow the same instructions as for the PIN code but this time using the PUK2 code.

PUK code

The PUK (Personal Unblocking Key) may be supplied with the SIM card. In opposite case, contact your service provider for the code.

The code is required to change a blocked PIN code.

If you enter a wrong PUK code ten times in succession, the SIM card cannot be used any more. Contact your service provider for a new card.

You cannot change the PUK code. If you lose it, contact your service provider.

PUK2 code

The PUK2 code, supplied with some SIM cards, is required to change a blocked PIN2 code.

If you enter a wrong code ten times in succession, you cannot use the functions requiring the PIN2 code. Contact your service provider for a new card.

You cannot change the PUK2 code. If you lose it, contact your service provider.

Barring password

The barring password is needed when using the "Call barring" function. You obtain the password from your service provider.

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 fulfill any warranty obligations and to enjoy this product for many years.

When using your phone, battery, charger OR any accessory:

- Keep it and all its parts and accessories out of small children's reach.
- Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use or store it in dusty, dirty areas. Its moving parts can be damaged.
- Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store it in cold areas. When the phone warms up (to its normal temperature), moisture can form inside the phone, which may damage electronic circuit boards.
- Do not attempt to open it. Non-expert handling of the device may damage it.
- Do not drop, knock or shake it. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint it. Paint can clog the device's 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.

- If the phone, battery, charger or any accessory 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. If using a hand-held phone park the vehicle before conversing. 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.

The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

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.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the

satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (Held to your ear with the antenna pointing over your shoulder.).

Do not point the infrared beam at anyone's eye or allow it to interfere with other infrared devices.

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 minimize 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.

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 which cannot guarantee connection in all conditions. Therefore you should never rely solely upon any wireless phone for essential communications (e.g. medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength.

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.
Some networks may require that a valid SIM card is properly inserted in the phone.
- ② If the word "Clear" appears on the display above the  key, press and hold **Clear** for several seconds to 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 (Keyguard, Call barring etc.), you may first need to turn those features off before you can make an emergency call. Consult this document 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.

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