

# User's Guide

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Attach the  sticker supplied in the sales package here.

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US Patent No 5818437 and other pending patents. T9 text input software Copyright (C) 1997-1999. Tegic Communications, Inc. All rights reserved.

Nokia Mobile Phones operates a policy of continuous development. Therefore, we reserve the right to make changes and improvements to any of the products described in this guide without prior notice.












# Quick and easy

Thank you for choosing this Nokia phone! The following pages provide some useful tips on using your phone. More detailed information is given throughout this user's guide.

## Before using the phone





1. Insert a SIM card in the phone. Then, install and charge the battery. See 'Getting started' on page 14.
2. Switch on your phone by pressing and holding . Wait until the operator name appears on the display.


## Call functions

- |                                      |  |
|--------------------------------------|--|
| <b>Making a Call</b>                 | Key in the area code and phone number and press  (Call).  |
| <b>Ending a Call</b>                 | Press  (End).   |
| <b>Answering a Call</b>              | Press  (Answer).  |
| <b>Rejecting a Call</b>              | Press  .  |
| <b>Redialling a Phone Number</b>     | Press  to access the last dialled numbers (with clear display), select the number with  or  , and press  (Call). |
| <b>Adjusting the Earpiece Volume</b> | Press  or  during a call.   |
| <b>Calling Your Voice Mailbox</b>    | Press and hold  (with the display clear).   |




## Phone book functions


### Quick Save

Key in the phone number and press  or  to change the text above  to **Save**. Press  (**Save**).

Key in the name and press  (**OK**).





### Quick Find

With display clear, press , (key in the first letter of the name) and scroll with  or  to the desired name.





Press and hold  to view the phone number.

## Other essential functions




### Locking / Unlocking the Keypad

Press  (**Menu**), then  quickly / Press  (**Unlock**), then .

### Setting the Phone Tones for Different Environments






Press  quickly, use  or  to select the desired option, and press  (**OK**).

### Writing and Sending a Message

Press  (**Menu**), ,  to enter **Write messages**.

Key in the message.

Send the message:

Press  (**Options**), reach **Send** with  or , press  (**OK**), enter the phone number of the message recipient, press  (**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 REFUELING

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 normal position (to ear). Don't cover 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.








## CONNECTING TO OTHER DEVICES

When connecting to any other device, read its user's guide for detailed safety instructions. 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  (Call). To end a call press  (End). To answer a call press  (Answer).





## EMERGENCY CALLS

Ensure the phone is switched on and in service. Press and hold  twice for several seconds, to clear the display. Enter the emergency number, then press  (Call). Give your location. Do not end the call until told to do so.

# Stickers in the sales package

The stickers contain important information for service and customer support purposes.

Attach the  sticker on page 2 of this user's guide.

Attach the  sticker to the Nokia Club Invitation Card supplied in the sales package.

# Security code

The factory setting for the security code is 12345. Please change the code (see 'Change access codes' on page 55) and keep the new code secret and in a safe place, separate from the phone.

# Network services

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



**Note:** Dual band functionality is a network dependent feature. Check with your local operator if you can subscribe to and use this functionality.


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.


# 1. Your phone

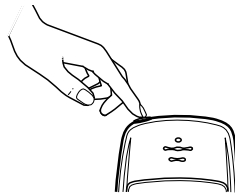
This chapter introduces you to the keys and display indicators of the phone. More details are given throughout this user's guide.

## Using the keys



### Power key



Pressing and holding the  key on top of the phone switches the phone on or off.

 is also used for setting the phone tones for different environments and turning the lights temporarily on.




### Number keys


 to  allow you to key in numbers and letters.



 and  are used for special purposes.

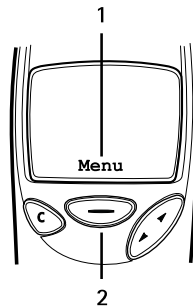
### Navi key

The use of the phone is largely based on the Nokia Navi™ key () below the display (2).



The function of this key varies according to the guiding text (1) shown above the key.

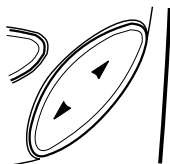
In this user's guide, the  symbol is followed by the relevant guiding text, e.g.

 (Menu) or  (Select).





## Scroll keys

**When the display is clear:**  enters the names and phone numbers stored in Phone book.  enters the list of last dialled numbers.



**When in the menu:** Browse through menus and settings.

**When keying in a name or number or writing a text message:**

 moves the cursor to the left and  to the right.

**During a call:** Adjust the earpiece volume.

## C key

**When keying in a name or number:** Deletes the character to the left of the cursor. When pressed and held, deletes all characters from the display.



**When in a menu function:** Returns from a menu to the previous menu level. When pressed and held, exits the menu functions.

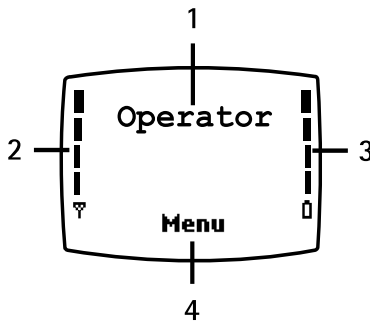
**When you receive a call:** Rejects the incoming call.

# Display indicators

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

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

Other essential indicators are explained throughout this user's guide.



1. Indicates in which cellular network the phone is currently used.
2. Shows the signal strength of the cellular network at your current location. The higher the bar, the stronger the signal.
3. Shows the battery charge level. The higher the bar, the more power left in the battery.
4. Shows the current function of the Nokia Navi™ key (☺).

## 2. Getting started

Before you can use your phone, you need to insert a SIM card in it, and then install 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.

### Using the SIM card

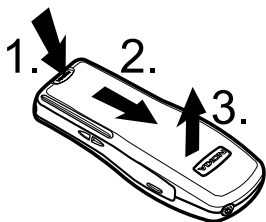
- Keep all miniature SIM cards out of small children's reach.
- The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.

### Inserting the SIM card in the phone

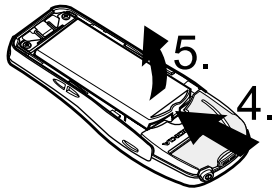
- Before installing the SIM card, always make sure that the phone is switched off and then remove the battery.

#### Remove the battery:

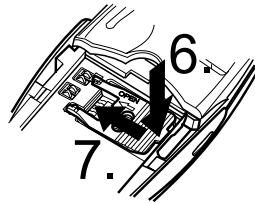
Press the locking catch at the bottom of the back cover (1), slide the cover towards the top of the phone (2), and lift the cover (3).



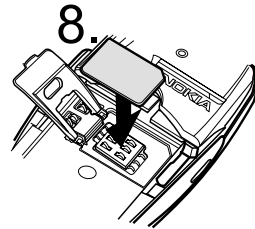
Press the catch on the top of the battery towards the bottom of the phone (4) and lift the battery (5).



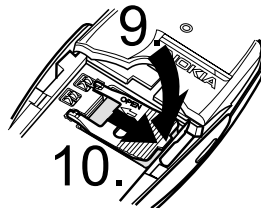
**Release the cover of the SIM card holder:** Press the grooved end of the cover (6), slide the cover in the OPEN direction (7), and lift it up.



**Insert the SIM card:** Place the SIM card in the phone (8). Ensure that the SIM card is inserted properly and that the golden connectors on the card face the connectors on the phone.

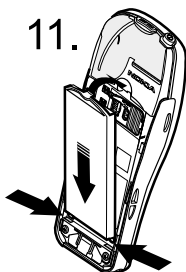


**Close the cover of the SIM card holder:** Push the grooved end of the cover towards the phone (9) and slide the cover in the direction opposite to OPEN (10) until it is firmly engaged.

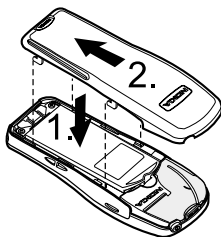


### Replace the battery:

Align the tabs at the bottom of the battery with the corresponding slots in the phone and place the battery inside the phone while pressing the catch on the top of the battery.



Insert the four catches of the back cover in the corresponding slots in the phone (1) and push the cover towards the phone until it locks into place (2).



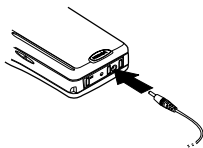
## Charging the battery



**Note:** Do not charge the battery when one or both of the phone covers is removed.

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

- The phone can be used while charging if the phone is switched on.
- If the battery is totally empty, it may take up to a few minutes before the charging indication is shown.





- Charging time depends on the charger used and on how much power there is left in the battery. Charging the battery supplied with the phone may take up to six hours when using the ACP-7 charger.


3. The battery is fully charged when the bar stops scrolling.
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 72.


## Switching the phone on or off

### Switching on


Press and hold the  key for a second.



#### **If the phone asks for a PIN code:**

Key in the PIN code (displayed as \*\*\*\*\*) and press  (OK).

See also 'PIN code request' on page 53 and 'Access codes' on page 70.

**If the phone asks for a security code:** Key in the security code (displayed as \*\*\*\*\*) and press  (OK).

See also 'Phone security' on page 54 and 'Access codes' on page 70.

**Normal position:** Hold the phone as you would any other telephone.



**Note:** Use the phone only with both covers mounted.



**Tips on efficient operation:** Your phone has a built-in antenna (see picture). As with any other radio transmitting device, do not cover 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.







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

## Switching off

Press and hold the  key for a second.




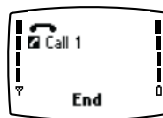
**Tip:** Alternatively, you can press  **quickly**, scroll with  or  to **Switch off!**, and press  (OK) when the display is clear.


## 3. Basic Functions

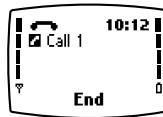
### Making a call


1. Key in the phone number including the area code. The text **Menu** changes to **Call**.

You can correct mistakes by pressing  to delete the character to the left.



2. Press  (**Call**) and wait for the answer. The text **Call** changes to **End**.





3. Press  (**End**) to finish the call (or to cancel the call attempt).





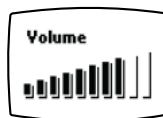
**Note:** When you are using the phone with the PPH-1 handsfree car kit, you can switch from handsfree mode to privacy mode by disconnecting the PPH-1 from the phone. To switch back to handsfree, plug the PPH-1 into the phone.

### International calls

1. Press  twice quickly for the international prefix (+ character replaces the international access code).
2. Enter the country code, area code and phone number.
3. Press  (**Call**) to call the number.

### Adjusting the earpiece volume





You can adjust the earpiece volume of the phone during a call. Press  to increase and  to decrease the volume level.



## Redialling a last dialled number

The last eight phone numbers you called or attempted to call are stored in the phone's memory. See also 'Dialled numbers (Menu 3-3)' on page 47.








To redial any of these last dialled numbers:

1. With display clear, press  once to access the list of dialled numbers.
2. Use  or  to reach the desired phone number.
3. Press  (Call).







## Making a call using Phone book

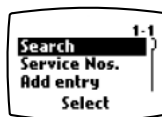
If you have stored a phone number in Phone book, you can dial it by using the related name.

1. Press  (Menu) (when the display is clear).
2. Press  (Select) (when **Phone book** is displayed).
3. Press  (Select) (when **Search** is selected).
4. Key in the first letter of the name (using the keys  to ) and press  (OK). For example, to view the first name starting with the letter "S", press  quickly four times.

You can skip step 4 if you like.

5. Use  and  to reach the desired name. You can check the related phone number by pressing and holding .
6. Press  (Call).

See page 24 for storing a phone number with a name.





## Quick find

Press when the display is clear. The first name (and/or phone number) in Phone book is displayed. Reach the desired name by first keying in its first letter and then pressing or .

## Speed dialling a phone number

If you have assigned a phone number to one of the keys to (see page 34), you can call the phone number in either of the following ways:

- With the display clear, press the desired speed dialling key and then (Call).
- If the **Speed dialling** function is on (see page 50):  
When the display is clear, press and hold the desired speed dialling key until the call is started.



**Note:** Pressing and holding calls your voice mailbox.



## Making a new call during a call

You may have two calls in progress at the same time (network service).

1. Press to change the text above from **End** to **Options**.
2. Press (**Options**), choose **New call**, press (**Select**), key in the phone number or recall it from Phone book, and press (**Call**).

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

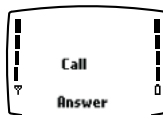
3. To switch between the two calls: Press (**Options**), choose **Swap**, press (**Select**).
4. To end the active call: Press (**Options**), choose **End this call**, press (**Select**). The held call becomes active.

To end both calls: Press  (Options), choose **End all calls**, press  (Select).

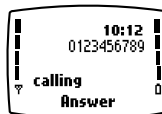
## Answering a call


When somebody is calling you, the phone will ring and flash its lights, and a relevant text will be displayed.

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 Phone book) and **calling** are displayed.




1. To answer the call, press  (Answer).



**Note:** If the incoming call was diverted from some other phone number, the > sign may be shown after **Call** or **calling** (network service).

2. Press  (End) to finish the call.

## Rejecting a call

If you do not want to answer the call, press . The caller will hear a "line busy" tone. If the **Divert when busy** divert option is activated (see page 56), the call is diverted e.g. to your voice mailbox.


## Answering a new call during a call


When the **Call waiting options** function is on (see page 50), the phone notifies you of a new incoming call by playing a beep and by showing a relevant text on the display.




Do as when making a call during a call but select this time the **Answer** option. In a call list, a waiting call is indicated with ■■■.

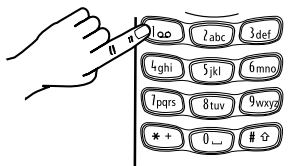
## Listening to voice messages


To listen to your voice messages:

1. With the display clear, press and hold  for a second to call your voice mailbox.

If the phone asks for the number of the voice mailbox, key it in and press  (OK). See also 'Voice mailbox number (Menu 2-6)' on page 45.

2. Listen to the message(s) received.
3. End the call by pressing  (End). If you have keyed in any characters on the display, first remove the characters by using  and then press  (End).





**Note:** If the text **Listen** is shown above the  key, you can call your voice mailbox by pressing this key.



# Locking the keypad

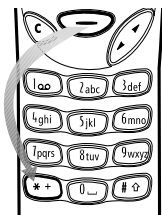
The keypad lock prevents keys from being accidentally pressed when, for example, the phone is in your pocket or handbag.

**To turn the lock on:**

First press  (Menu) and then  quickly.



When the keypad is locked:

- The indicator  is shown
- You can answer a call by pressing  (Answer)







**Note:** Calls may be possible to the emergency number programmed into your phone (112). The number is displayed only when all the digits have been keyed in.

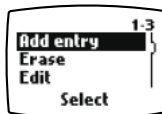
**To turn the lock off:**



First press  (Unlock) and then  quickly.

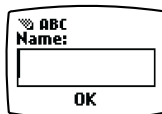
# Storing a phone number with a name

To store a new name and phone number in Phone book:


1. When the display is clear, press  (Menu) first (Phone book is displayed) and then  (Select).
2. Use  to scroll to **Add entry**, and press  (Select).
3. With the **Name:** text on the display, key in the desired name.

















- Press one of the keys  to  for the character you want: Once for the first character, twice for the second (before the cursor appears), and so on.

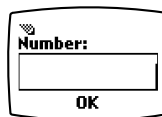




For example, to key in letter "S", press  quickly four times.

Note that there are more characters available than marked on the keys.

- When the flashing cursor appears, you can enter the next character.
4. When editing the name, follow the procedures below.
- To enter a space: Press .
  - To enter a punctuation mark (such as ., ? or !): Press .
  - To switch between upper and lower case characters:  
Press  quickly. The **ABC** or **abc** indicator is shown on the display, respectively.
  - To insert a number: Press and hold the key labelled with the desired number.
  - To switch between letters and numbers:  
Press and hold . **123** is shown when numbers can be entered.
  - To move the cursor left or right: Press  or , respectively.
  - To remove the character to the left: Press .
  - To clear the screen: Press and hold .
  - To insert a special character:  
Press  (**?!£** is shown), use  or  to reach the desired character, and press  (**Use**) to insert it in the name.
5. After you have written the name, press  (**OK**).
6. With the **Number:** text on the display, key in the area code and the phone number that you wish to save with the name.
- If you make a mistake, you can remove the digit to the left by pressing .





**Tip:** If you want to use the phone number when abroad, add a + character (press twice quickly) and country code in front of the area code and phone number.

7. Once you have written the phone number, press (OK). The name and phone number are stored in Phone book.



## Quick save

To store a name and phone number quickly without entering the Phone book menu:

1. With the display clear, key in the phone number.
2. Press or to change the text above to **Save**.
3. Press (Save).
4. Key in the name and press (OK).

## Selecting a ringing tone (Menu 9-2)

To select a ringing tone for incoming calls:

1. With the display clear, press (Menu).
2. Use or to reach **Tones** and press (Select).
3. Reach **Ringing tone** and press (Select).
4. Reach the desired ringing tone (a sample is sounded). Press (OK) to select the tone.
5. Press and hold to exit the menu.



See also 'Ringing tone' on page 63.

# Setting the phone tones for different environments

You can set all phone tones to function in the desired manner by one setting. This makes it easy to adjust the tones for different environments (e.g. outdoor activities or meetings).




**Note:** This function is not available when the phone is connected to the PPH-1 handsfree car kit or HDC-5 headset.

1. With the display clear, press the power key (Ⓢ) quickly.
2. Press  or  to reach one of the following options:

**Switch off!:** Turns off the phone.

**Personal:** Default setting which uses the tone settings in the **Tones** menu (see page 63).



**Silent:** Turns off all the phone tones. The  indicator is shown when the display is clear.





**Discreet:** A short beep is heard when you receive a call or a text message.

**Loud:** The call alert tone is **Ringing** and the volume of all phone tones is at the highest level.

3. Press  (OK) to confirm the desired option.



**Tip: Setting the tones using the power and number keys**

First press Ⓢ quickly and then one of the following number keys within 2 seconds (when the display is clear):  for **Personal**,  for **Silent**,  for **Discreet**,  for **Loud**.











# 4. Using the menus

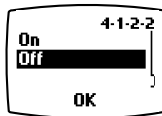
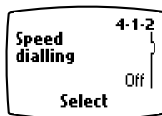
The phone offers a range of functions which allow you to tailor the phone to your needs.

These functions are arranged in menus and submenus which can be accessed by scrolling or using the appropriate shortcut.

## Accessing a menu function

### By scrolling


1. To access the menu facility, press  (Menu).
2. Press  or  to reach the desired main menu, e.g. **Settings**.
3. Press  (Select) to enter the main menu.
4. If the main menu contains any submenus, reach the desired one with  or  (e.g. **Call settings**).
5. Press  (Select) to enter the submenu. If the submenu contains any further submenus (e.g. **Speed dialling**), repeat steps 4 and 5.
6. Press  or  to reach the setting of your choice (e.g. **Off**).
7. Press  (OK) to confirm the chosen setting.







## By shortcut

The menu items (menus, submenus and setting options) are numbered and can be accessed by their shortcut number. The shortcut number is shown in the top right of the display.





1. Press  (Menu).
2. Key in quickly (within three seconds) the number of the menu function you want to access.  
Repeat this step for a submenu.
3. Key in the number of the desired setting option within three seconds.

For example, to set the keypad tones off:

Press  (Menu),  (for Tones),  (for Keypad tones),  (for Off).

## Exiting a menu function

You can return to the previous menu level by pressing  or exit the menu by pressing and holding .

# List of menu functions

1. **Phone book**
  1. Search
  2. Service Nos <sup>1</sup>
  3. Add entry
  4. Erase
  5. Edit
  6. Assign tone
  7. Send entry
  8. Options
    1. Type of view
    2. Memory status
  9. Speed dials
2. **Messages**
  1. Inbox
  2. Outbox
  3. Write messages
  4. Picture messages
  5. Message settings
    1. Set 1 <sup>2</sup>
      1. Message centre number
      2. Messages sent as
      3. Message validity
    2. Common <sup>3</sup>
      1. Delivery reports
      2. Reply via same centre
3. **Call register**
  1. Missed calls
  2. Received calls
  3. Dialed numbers
  4. Erase recent call lists
  5. Show call duration
    1. Last call duration
    2. All calls' duration
    3. Received calls' duration
    4. Dialed calls' duration
    5. Clear timers
  6. Show call costs
    1. Last call cost
    2. All calls' cost
    3. Clear counters
  7. Call costs settings
    1. Call costs' limit
    2. Show costs in
  8. Prepaid credit
4. **Settings**
  1. Call settings
    1. Automatic redial
    2. Speed dialling
    3. Call waiting options
    4. Own number sending
5. **Info service**
  7. Voice mailbox number <sup>4</sup>

---

<sup>1</sup> Available only if supported by the SIM card.

<sup>2</sup> The amount of sets depends on how many sets your SIM card offers. Each set appears in its own submenu and may have any name.

<sup>3</sup> The shortcut number of this menu depends on the amount of sets available.

<sup>4</sup> May not be shown if the voice mailbox number has been stored on the SIM card by your network operator or service provider.

5. Phone line in use
6. Automatic answer \*
2. Phone settings
  1. Language
  2. Cell info display
  3. Welcome note
  4. Network selection
  5. Lights \*\*
  6. Confirm SIM service actions
3. Security settings
  1. PIN code request
  2. Fixed dialling
  3. Closed user group
  4. Phone security
  5. Change access codes
4. Restore factory settings
5. Call divert <sup>1</sup>
  1. Divert all voice calls without ringing
  2. Divert when busy
  3. Divert when not answered
  4. Divert when phone off or no coverage
  5. Divert when off, no answer, or no coverage
  6. Cancel all divers
6. Games
7. Calculator
8. Clock
  1. Alarm clock
  2. Clock settings
  3. Date setting
9. Tones
  1. Incoming call alert
  2. Ringing tone
  3. Composer
  4. Ringing volume
  5. Message alert tone
  6. Keypad tones
  7. Warning and game tones
10. SIM services<sup>2</sup>

---

<sup>1</sup> The divert options that are not supported by your network operator may not be shown.

<sup>2</sup> Shown only if supported by your SIM card. The name and contents of this menu vary, depending on the SIM card.

\* This setting is shown only when the phone is connected to the PPH-1 car kit or the HDC-5 headset.



\*\* This setting is shown only when the phone is connected to the PPH-1 car kit.

# 5. Using Phone Book

Within the **Phone book** menu you can




- store phone numbers and their related names on your SIM card
- manage the stored names and phone numbers in various ways



To access this menu: When the display is clear, press  (Menu) first and then  (Select).

See page 28 for general information on the menu functions.



**Note:** To enter Phone book during a call, press  to change the text above  to **Options**, press  (Options), and select **Phone book**.


## Recalling a name and phone number (Menu 1-1)

The **Search** function allows you to recall the desired name and phone number to the display e.g. for calling.

See also 'Making a call using Phone book' on page 20.

## Calling a service number (Menu 1-2)

This function allows you to easily call the service numbers of your service provider. This menu is shown only if there are service numbers stored on your SIM card.

Select the desired service number and press  (Call) to call it.



## Storing a name and phone number (Menu 1-3)

This function allows you to add names and phone numbers in Phone book. For more information, see page 24.

The phone supports SIM cards which can store up to 250 phone numbers and names. However, it depends on the SIM card how many numbers and names you can actually save in Phone book.

## Erasing a name and phone number (Menu 1-4)



With the **Erase** function you can delete phone numbers and names from Phone book either one by one (choose option **One by one**) or all at once (**Erase all**).

## Editing a stored name and phone number (Menu 1-5)

With the **Edit** function you can modify the names and phone numbers stored in Phone book. For details, see 'Storing a phone number with a name' on page 24.



## Assigning a ringing tone to a phone number (Menu 1-6)

With the **Assign tone** function you can set the phone to play a specific ringing tone when you receive a call from a particular phone number.

Select a name or phone number stored in Phone book and press  (**Assign**). Choose the desired ringing tone (**Preset** is the tone chosen in Menu 9-2) and press  (**OK**).



# Sending a name and phone number (Menu 1-7)

With the **Send entry** function you can send a name and phone number ("business card") from Phone book to another phone.



Select **Send entry**, choose the name and phone number you want to send, and press  (Send). Enter the recipient's phone number or retrieve it from Phone book, and press  (OK).

## Receiving a name and phone number

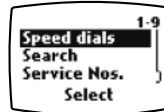
When somebody sends you a phone number and related name, you will hear a message tone and the text **Business card received** will be displayed.


You can view, save, or erase the number and name by pressing  (Options), choosing the desired function, and pressing  (OK).

# Assigning a phone number to a speed dial key (Menu 1-9)

You can set any of the number keys  to  to work as a speed dialling key.


With the **Speed dials** function you can assign the desired phone number to one of these keys.




1. Choose the desired key and press  (Assign).




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

2. Search for the desired name and/or phone number from Phone book, and press  (OK) to select it.

You can view, change, or remove any assignments that you have made by first pressing  (Options) and then selecting the desired function.

## Using the speed dialling keys

Either: With the display clear, press the desired speed dialling key and  (Call).

Or if 'Speed dialling' is on (see page 50): With the display clear, press and hold the desired speed dialling key until the call is started.

## Other Phone book functions (Options – Menu 1–8)

### Defining the type of view for stored names and phone numbers

You can set the phone to show the stored phone numbers and names in the following ways ('types of view'):

**Name list:** Shows three names at a time.

**Name, number:** Shows one name and phone number at a time.

**Large font:** Shows one name at a time in large font.

### Checking the amount of free space in Phone book (Memory status)



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

## 6. Text and voice messages

Within the **Messages** menu you can


- read and write text messages (SMS) of up to 160 characters in length
- store a voice mailbox number
- use information services offered by your service provider




To access this menu: When the display is clear, press  (**Menu**), scroll to **Messages**, and press  (**Select**).


See page 28 for general information on the menu functions.

### Text message indicators



 is shown continuously when you have received a text message.

 flashes when there is no more space for new messages. Use the **Erase** function in the **Inbox** menu (Menu 2-1) to free some space.









## Reading a message (Inbox – Menu 2-1)

If you have received new text messages, the number of messages and the text **messages received** as well as the  indicator are shown when the display is clear.


To view the messages:

1. Press  (**Read**) to view the messages right away. To view the messages later, press  and enter the **Inbox** menu (Menu 2-1) when you wish to do so.



2. Use  or  to reach the desired message and press  (Read). Unread messages are indicated by .
3. Use  or  to browse through the message.
4. While reading the message, you can use the functions described below. Press  (Options), choose the desired function, and press  (OK). The functions available are:
  - Erase:** Deletes the message.
  - Reply:** Allows you to send a reply to the sender of the message.
  - Edit:** Allows you to change the message.
  - Use number:** Extracts a phone number from the message for calling or saving.
  - Forward:** Sends the message further to the desired phone number.
  - Details:** Shows sender's name and phone number, message centre used for sending as well as reception date and time.

## Viewing saved messages (Outbox – Menu 2-2)

If you have saved a text message in [Write messages](#) (Menu 2-3), you can view the message in [Outbox](#) (Menu 2-2). Pressing  (Options) allows you to access the same functions as in [Inbox](#) (Menu 2-1), except for [Reply](#) and [Details](#).




## Writing and sending a message (Menu 2-3)

Within this menu can write and edit text messages of up to 160 characters.




There are two ways of writing messages: the method used traditionally in mobile phones and another method called "predictive text input".

Before sending a message, make sure that the phone number of your message centre is stored in the phone (see 'Message centre number' on page 43). You obtain this number from your service provider.



**Note:** To exit from the predictive or traditional text input at any time, press and hold  twice. Alternatively: Press  (Options), choose **Exit**, and press  (OK).



## Basics steps


1. In the **Messages** menu, use  or  to reach **Write messages** and press  (Select).

2. Write a message.

You can either use the traditional text input or the predictive text input. See the respective sections below for details.

The number of available characters is shown in the top right corner of the display.

3. When you have finished writing the message, press  (Options) to display the following functions. Select the desired function, and press  (OK).


**Send:** Allows you to send the message. Key in the recipient's phone number (or retrieve it from Phone book) and press  (OK). The message is sent by using the set 1 in **Message settings** (Menu 2-5).

**Send by set:** Allows you to select some other set than the set 1 (see page 43).



**Save:** Stores the message in **Outbox** (Menu 2-2).

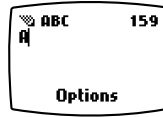
**Clear screen:** Removes all the characters from the message.


## Using traditional text input

Before you start writing a message, check that the  symbol is shown at the top of the display. This symbol indicates that you are using the traditional text input.

### 1. Write a message.

For each character, press one of the keys  to  as many times as necessary: Once for the first character, twice for the second (before the cursor appears), and so on.



For example, to key in letter "S", press  quickly four times.

For more information, see 'Storing a phone number with a name' on page 24.

2. To send the message, press  (Options) and select [Send](#) or [Send by set](#).

## Using predictive text input

The predictive text input allows you to enter text quickly.


Unlike in traditional text input, you only need to press the key with the corresponding letter once.



This input method is based on a built-in dictionary to which you can also add new words.








**Note:** Predictive text input may not be available in the language that you have selected for display texts.



### Writing words by using predictive text input




Before you start writing a message, check that the  symbol is shown at the top of the display. This symbol indicates that you are using the predictive text input.





1. Start writing a word by using the keys  to . Press each key only once for one letter.



To write for instance 'nokia', press     . The characters that you enter appear underlined.

The word changes after each keystroke. Therefore you shouldn't pay too much attention to how the word appears on the display until you have pressed all the appropriate keys.


- To delete a character to the left, press .
- To change the character case, press .
- To insert a single number, press and hold the respective number key.




To insert several numbers, press and hold  and key in the numbers. Alternatively: Press  (Options), select **Insert number**, key in the numbers, and press  (OK).



- To insert a symbol, press and hold , select the desired symbol with  or , and press  (Use).

Alternatively: Press  (Options) and select **Insert symbol**. Select the desired character and press  (Use).


2. When you have finished writing the word, check that the word is correct.



**If the word is correct:** Press  and write the next word.

**If the word is not correct:** Press  repeatedly until the desired word appears. Alternatively: Press  (Options), select **Matches**, select the desired word and press  (Use).

**If the ? character is shown after the word:** There are no further words in the dictionary which correspond to your keypresses. To add the desired word in the dictionary: Press  (Spell), key in the word by using the traditional text input, and press  (OK).





**Tip:** You can switch between the predictive and traditional text input by pressing  twice.

3. To insert a punctuation mark, press  repeatedly until the desired mark appears.
4. When you have finished writing the message, press  (Options) and select **Send** or **Send by set** to send the message.



## Adding a new word in the dictionary


When no word is underlined, you can add a new word in the dictionary in the following way:

1. Press  (Options) and select **Insert word**.
2. Key in the word by using the traditional text input and press  (OK).






**Note:** When the dictionary becomes full, the new word will replace the oldest word that you have previously added in the dictionary.


## Writing compound words

Instead of writing the whole compound word at once, you can first write its first half, press , and then write the second half.

## Changing the language or turning predictive text input off

1. In the **Write messages** menu, press  (Options).
2. Select **Dictionary** and press  (OK).
3. Do either of the following:

**If you want to change the language used in predictive text input:** Select the desired language and press  (OK).

**If you want to set predictive text input off:** Select **Dictionary off** and press  (OK).






## Picture messages (Menu 2-4)

The phone allows you to receive and send text messages which contain pictures. These messages are called picture messages. There are several preset picture messages available in the phone.




**Note:** This function can be used only if it is supported by your network operator or service provider.








## When you receive a picture message

- To view the message immediately:  
Press  (View). While reading the message, you can save it by pressing  (Save). You can delete the message by pressing  twice.
- If you want to view the message later in this menu:  
First press  and then  (OK) to save the message.

## When you view the message in this menu

Pressing  (Options) allows access to the same functions as in [Inbox](#) (Menu 2-1), except for [Reply](#).

## Sending a picture message

1. In the [Picture messages](#) menu, select one of the preset pictures and press  (View).
2. If the displayed picture is the one you want, press  (Options), select [Edit text](#), and press  (Select).  
If the displayed picture is not the one you want, press  and repeat step 1.
3. Write the message.  
To view the whole message before sending it, press  (Options) and select [Preview](#).
4. Press  (Options), select [Send](#) and press  (OK).

Only phones that offer the Picture message feature can receive and display picture messages.



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

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

# Message settings (Menu 2-5)


## Set 1 (Menu 2-5-1) <sup>1</sup>

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 earlier defined the proper settings for fax transmissions.

Each set has its own submenu where you can change the settings described below.

### Message centre number

Stores the phone number of the message centre used for sending text messages. You obtain this number from your service provider. Key in the phone number or retrieve it from Phone book, or edit the existing number, 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).

In order to receive a converted message, the recipient must have the appropriate equipment, e.g. a fax machine.

### Message validity

You can set the length of time that your text messages are stored at the message centre (network service).

---

<sup>1</sup> The total number of sets depends on how many sets your SIM card offers.

## Common (Menu 2-5-2) <sup>1</sup>

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

### Delivery reports

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

### Reply via same centre

When this function is on, the recipient of your text message can send you a reply via the same message centre as your original message (network service).

## Info service (Menu 2-6)

You can receive messages on various topics (such as weather or traffic conditions) from your service provider (network service).

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

If you select **On** you will receive messages on the active topics. **Topic index** retrieves a list of topics from the network.

If you select **Topics**, you can mark the topics as active or inactive, add a new topic to the list, or edit or erase the existing topics on the list.


If you select **Language**, you can select the language for the messages. Only messages in the selected language are shown.

---

<sup>1</sup> The shortcut number of this menu depends on the number of sets available. Here it is assumed that only one set is available.

## Voice mailbox number (Menu 2-7)

In the voice mailbox, callers can leave you messages that you can listen to later (network service).

Within this menu you can store the phone number of the mailbox. Key in the number (obtained from the service provider) and press  (OK).

Each phone line may have its own voice mailbox number (see page 51). For listening to voice messages, see page 23.



**Note:** This menu may not be shown if the voice mailbox number has been stored on the SIM card by your network operator or service provider.

# 7. Using the call register

Within the **Call register** menu you can access the phone numbers registered automatically by the phone and view call duration and call costs.



To access this menu: When the display is clear, press **⌂** (Menu), scroll to **Call register**, and press **⏎** (Select).

See page 28 for general information on the menu functions.

## To use the options within Menus 3-1 to 3-3:

The options that you can access by pressing **⌂** (Options) allow you to:

- edit, view or call a registered phone number
- view the time of the call
- save the number in Phone book
- erase the number from the call list (not from Phone book)

## About missed and received calls


The phone registers missed and received calls if:

- the network allows showing the caller's phone number to the call recipient
- the phone is switched on and within the network's service area

## Missed calls (Menu 3-1)

This function shows you the last eight phone numbers from which somebody has tried to call with no success.



**Tip:** You can also view these phone numbers by pressing  (List) when there is a note about missed calls on the display. Also the previously registered phone numbers are shown.

## Received calls (Menu 3-2)

This function shows the last eight phone numbers from which you have accepted a call.

## Dialled numbers (Menu 3-3)

This function shows the last eight phone numbers that you have called or attempted to call.

## Erase recent call lists (Menu 3-4)

This function allows you to erase all the phone numbers and names shown in Menus 3-1 to 3-3.

These phone numbers are also erased when you:

- switch on the phone with a SIM card which is not one of the five cards used most recently with the phone
- change the [Phone security](#) setting (see page 54).

## Show call duration (Menu 3-5)

This function allows you to view the approximate duration of your outgoing and incoming calls.

You can reset these so-called call timers by using the [Clear timers](#) function (Menu 3-5-5). For this you need the security code. Changing the SIM card does not clear the call timers.



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

## Show call costs (Menu 3-6)

This network service shows the approximate cost of your last call or all calls if this service is supported by the network.

The costs are shown in terms of units specified within the [Show costs in](#) function (Menu 3-7-2).

Call costs are shown separately for each SIM card.



**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 3-7)

### Call costs' limit

You can limit the costs of calls to a certain amount of charging units or units of currency (network service).

You can make and receive charged calls as long as the specified cost limit is not exceeded.



To set the limit you may need the PIN2 code.



## Show costs in

The phone can show the remaining amount of talk-time in terms of charging units or the desired currency. Contact your service provider for charging unit prices.

To enter this function you may need the PIN2 code.

If you selected **Currency**, key in the charging unit price, press , key in the currency name, and press  (OK).

## Prepaid credit (Menu 3-8)

Within this menu you can view and make settings related to prepaid SIM cards. When using a prepaid SIM card, you can make calls only when there are enough credit units on the SIM card.




**Note:** This feature may not work in all networks. Check with your local operator.

The **Credit info display** function allows you to set the amount of remaining credit units to be shown when the display is clear.

**Credit available** shows the amount of remaining credit units.

**Last event costs** shows information about previous calls.

**Recharge status** shows information about the credit units as well as time and date when credit units were recharged last time. Pressing  (**More**) shows the expiry date of credit units.



# 8. Personalizing the phone

Within the [Settings](#) menu you can adjust

- call settings (Menu 4-1)
- general phone settings (Menu 4-2)
- security settings (Menu 4-3)



You can reset the menu settings to their original values by using the [Restore factory settings](#) function (Menu 4-4).

To access this menu: When the display is clear, press  (Menu), scroll to [Settings](#), and press  (Select).



See page 28 for general information on the menu functions.

## Call settings (Menu 4-1)


### Automatic redial

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

### Speed dialling

When this function is on, you can dial the names and phone numbers assigned to the speed dial keys  to  by pressing and holding the corresponding key.



**Note:** Pressing and holding  dials your voice mailbox number.

### Call waiting options

When this function is activated and you have a call in progress, you will be notified of a new incoming call by a beep and a relevant text flashing on the display (network service).

## Own number sending

You can determine whether your phone number is hidden (**Off**) or displayed (**On**) to the person that you call (network service). **Presets** resets the phone to the default setting (**On** or **Off**) that you have agreed upon with your service provider.

## Phone line in use

You can select the desired phone line (1 or 2) for making calls or prevent the line selection (network service).

You must subscribe to this service to be able to select line 2. When line 2 is selected, **2** is shown in the top left corner of the display.

Calls on both lines can be answered irrespective of the selected line.

To allow (option **Allowed**) or prevent (**Not allowed**) the line selection you need the PIN2 code.



**Tip:** When the display is clear, you can switch from one line to the other by pressing and holding **#\***.

## Automatic answer

This function can be used only when the phone is connected to the PPH-1 handsfree car kit or the HDC-5 headset.

When this function is on, your phone will automatically answer an incoming call after one ring. This function can be used when the car kit is equipped with ignition sense and the ignition is switched on.

This function does not work when the phone tones are set to **Off** in the menu 'Incoming call alert' (Menu 9-1).

# Phone settings (Menu 4-2)

## Language

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

If **Automatic** is selected, the phone will set the language according to the information on the SIM card.

This setting also determines which characters are available when you store a name or write a text message.

## Cell info display

You can set the phone to indicate when it is used in a cellular network based on Micro Cellular Network (MCN) technology (network service). In such a network, local calls may cost less than otherwise.

## Welcome note

You can create a short message which pops up on the display when the phone is switched on.

## Network selection

You can set the phone to automatically select one of the cellular networks available in your area (default setting), or you may select the desired network manually from a list of networks.

When selecting the network manually, the selected network must have a roaming agreement with your home network (i.e. operator whose SIM card is in the phone). Otherwise the text **No access** is displayed.

The phone will stay in manual mode until you select the automatic mode or insert another SIM card in the phone.

## Lights

You can set the display and keypad lights off or on. This setting is available when the phone is connected to the PPH-1 handsfree car kit.

## Confirm SIM service actions

You can set the phone to display (**Asked**) or hide (**Not asked**) confirmation messages when you are using the SIM card services. See also "13. SIM services" on page 67.

# Security settings (Menu 4-3)

Your phone is equipped with a versatile security system to prevent unauthorised use of the phone and the SIM card.

## PIN code request

You can set the phone to ask for the PIN code of your SIM card when the phone is switched on. To enter this function you need the PIN code.




**Note:** Some SIM cards do not allow turning off the PIN code request.

## Fixed dialling

You can restrict your outgoing calls to selected phone numbers, if allowed by your SIM card. You need the PIN2 code for this function.

When this function is 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 on the list.

Within the **Numbers** function you can check the phone numbers (**Search**) and add new numbers in the list (**Add entry**) as well as clear the list (**Erase all**).

Within the [Search](#) function you can edit, erase, or call the displayed phone number by first pressing  (**Options**) and then selecting the desired option.




**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

You can specify a group of people whom you can call and who can call you (network service).

[Preset](#) resets the phone to use the group that the SIM card owner has agreed upon with the service provider.

To set this function on you need to know the index number of the desired group. You obtain this number from your service provider.

When you have selected a group, the  indicator and the index number of the given group are shown when the display is clear.



**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).

## Phone security

You can set the phone to ask for the security code when a new SIM card is inserted in the phone (option [On](#)).

("A new SIM card" means here a card that is not one of the five cards used most recently with the phone.)

To enter this function you need the security code.

See also 'Switching the phone on or off' on page 17 and 'Access codes' on page 70.



**Note:** When you change this setting, all the recent calls lists in Menus 3-1 to 3-3 are cleared.

## Change access codes

You can change the following access codes: security code, PIN code, PIN2 code. These codes may include characters 0 to 9 only.

The phone asks first for the current code and then for the new code twice.



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

## Restore factory settings (Menu 4-4)

You can reset the menu settings to their original values. For this you need the security code.

This function has no effect e.g. on the following functions:

- the names and phone numbers stored in Phone book (Menu 1)
- messages (Menu 2)
- phone numbers listed in the 'Call register' menu (Menu 3)
- call divert (Menu 5)

# 9. Diverting calls

Within the **Call divert** menu you can divert incoming calls to your voice mailbox or to another phone number (network service).



To access this menu: When the display is clear, press **⌂** (Menu), scroll to **Call divert**, and press **⏎** (Select).

See page 28 for general information on the menu functions.

## Selecting a divert mode

1. Select one of the following divert options:<sup>1</sup>

**Divert all voice calls without ringing**

**Divert when busy**

The call is diverted when you have a call in progress or when you reject the call.

**Divert when not answered**

The call is diverted when you do not answer it.

**Divert when the phone off or no coverage**

The call is diverted when your phone is switched off or outside of the network service area.

**Divert when off, no answer, or no coverage**

The call is diverted when you do not answer it, or your phone is busy, switched off, or outside of the network service area.

**Cancel all divers:**

Sets all divert options off. If you select this option, the steps below will not be available.

---

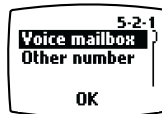
<sup>1</sup> The divert options that are not supported by your network operator may not be shown.





2. Set the selected option on **(Activate)** or off **(Cancel)**, check its current status **(Status)**, or specify a delay for it (not available for all divert options).




3. If you selected **Activate**, choose where the incoming calls are to be diverted (voice mailbox or another phone number).



If you selected **Status**, pressing  **(Number)** shows the phone number where the calls are diverted.


Pressing  **(Detail)**, if available, and then selecting **Delay** shows the time after which calls are diverted.

Several divert options may be active at the same time.

When all calls are diverted,  is shown when the display is clear.

Each phone line may have its own divert settings. See also 'Phone line in use' on page 51.





**Tip:** Pressing  when you receive a call will divert the call if **Divert when busy** is selected.

# 10. Games

The phone provides three games:  
[Rotation](#), [Snake](#), and [Memory](#).








To access this menu: When the display is clear, press  (Menu), scroll to [Games](#), and press  (Select).

See page 28 for general information on the menu functions.

## Using the game options

Select the desired game and then one of the following options:

- [New game](#): Starts a new game session.
- [Top score](#): Shows the highest score so far.
- [Instructions](#): Shows a help text on how to play the game.
- [Level](#): Allows you to set the difficulty level for the selected game.
- [Continue](#): Resumes a game after it was paused by pressing  or . Start the game by pressing any key except for , , or .
- [Last view](#): Shows the final view of an ended game.



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

# 11. Calculator and clock

## Calculator

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











To access this menu: When the display is clear, press  (Menu), scroll to **Calculator**, and press  (Select).

See page 28 for general information on the menu functions.

## Making a calculation







You can use the following keys for keying in a calculation:

-  - : Inserts a digit.
- : Inserts a period (.).
- : Deletes the digit to the left.
- : Press once (+) to add, twice (-) to subtract, three times (\*) to multiply and four times (/) to divide, or press  (Options) and select the desired function.
- For a total, press  (Options) and select **Equals**. Pressing  clears the display for a new calculation.



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

## Making a currency conversion

1. To set the exchange rate:
  - Press  (Options) and select **Exchange rate**.
  - Select either of the displayed exchange options and press  (OK). For example, if you live in France and want to convert francs to Finnish marks, select **Domestic unit expressed as foreign units**.
  - Key in the exchange rate and press  (OK).  
 inserts a period.
2. To make the conversion:
  - Key in the currency amount to be converted.
  - Press  (Options).
  - Choose **To domestic** or **To foreign** and press  (OK). In the example above, you would select **To foreign** since you want to convert your domestic currency (francs) to a foreign currency (marks).



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

# Clock

The phone is provided with a clock which can also be used as an alarm clock.




The phone shows the current time when the display is clear.

To access this menu: When the display is clear, press  (Menu), scroll to **Clock**, and press  (Select).

See page 28 for general information on the menu functions.

## Alarm clock (Menu 8-1)


The phone can be set to alarm at the desired time.

If the alarm was off when you entered this function, key in the desired alarm time in hours and minutes, and press  (OK).




If the alarm was on when you entered this function, select **On** to change the alarm time or **Off** to turn off the alarm.

### When the alarm time is reached

The phone sounds an alert tone at the volume selected within the **Ringing volume** function (see page 66), and flashes its lights and the text **Alarm!**. You can stop the alarm by pressing any key.

If you let the phone alarm for one minute or press  (Snooze), the alarm stops for a few minutes and then resumes.



**Note:** If the alarm time is reached while the phone is switched off, the phone starts alarming. If you press any other key but  (Snooze), the phone asks whether you want to activate the phone for calls. Press  (Yes) to switch on the phone or  to keep the phone switched off. Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

## Clock settings (Menu 8-2)

You can set the time display on or off, set the correct time, or select the 12-hour or 24-hour time format.



**Note:** If the battery is removed from the phone, you may need to set the time again.

## Date setting (Menu 8-3)



This function allows you to set the correct date for the internal clock.

## 12. Adjusting the tones

Within the **Tones** menu you can adjust the phone tones.



See also 'Setting the phone tones for different environments' on page 27.


To access this menu: When the display is clear, press  (Menu), scroll to **Tones**, and press  (Select).

See page 28 for general information on the menu functions.

### Incoming call alert (Menu 9-1)

You can select how the phone notifies you of an incoming call. Available options are: **Ringing**, **Ascending**, **Ring once**, **Beep once**, **Off**.



**Note:** When the tones are set to **Off**, no phone tones are heard, the  indicator is displayed, and the 'Automatic answer' function does not work.

### Ringing tone (Menu 9-2)

You can select which ringing tone is heard when you receive a call. See also 'Selecting a ringing tone' on page 26.

**Received tone** is the tone that you have received from some other phone.

**Own tone** is the tone that you have created by using the Composer function (Menu 9-3).

Each phone line can have its own ringing tone. See also 'Phone line in use' on page 51.

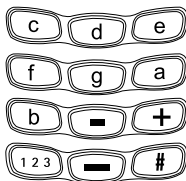
# Composer (Menu 9-3)

You can compose one ringing tone of your own. The name of the tone is shown last in the tone list.

## Creating a new ringing tone

When you enter this function, the tone that you created previously is shown, if available. To enter a new or edit an existing tone:

1. Enter the desired notes. For example, press **(4ghi)** for note **f** (shown as **f**). The phone plays each note after it is entered (unless the phone tones are off).
2. To adjust the characteristics of the note, do as follows:





- **Note duration:** **(8tuv)** shortens (-) and **(9wxyz)** lengthens (+) the duration of the note or rest. The default duration is 1/4. The duration is shown in front of the note, e.g. **16d** denotes a note **d** with duration 1/16.

Pressing and holding a note key lengthens the note by half, indicated by a dot after the duration, e.g. **8.a**.

- **Rest:** **(0\_)** inserts a rest (i.e. pause) of the same duration as the previous note. The default duration of a rest is one quarter note (1/4). The rest is indicated by the - character.
  - **Octave:** **(\*+)** sets the octave for new notes. The octave is shown as a number after the note (e.g. **e1**).
  - **Pitch:** **(#+)** makes the note sharp (indicated by **#** in front of the note), e.g. **#f**. The pitch selection is not available for notes **e** and **b**.
3. To edit the notes, do as follows:
    - **(<)** and **(>)** move the cursor right or left, respectively.
    - **(C)** deletes a note or a rest to the left.



4. After you have completed the tone, press  (Options), choose one of the functions below, and press  (OK).

**Play:** Plays back the notes to the left of the cursor.

**Save:** Allows you to name the tone and add it to the ringing tone list.

**Tempo:** Allows you to select the desired tempo for the tone (in beats per minute).

**Send:** Allows you to send the tone to another phone.

**Clear screen:** Deletes all the notes from the display.

**Example:** Here is an example of a ringing tone. Enter the notes and play them as described above. Change the different aspects of the tone (notes, octave, duration, etc.) and consider how these changes affect the tone.

16.a2 16d2 16#f2 16a1 16d2 16#f2 8a2 1- 8-

16.b2 16d2 16#f2 16a1 16d2 16#f2 8a2 1- 8-



16.a2 16e2 16g2 16a1 16e2 16g2 8a2 1- 8-

16.e3 16#f2 16a2 16d2 16#f2 16a2 8d3 1- 8-

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

## Receiving a ringing tone

When somebody sends you a ringing tone, you will hear a message tone and the relevant text will be displayed.

To play, save, or erase the tone, press  (Options), choose the desired function, and press  (OK).

## **Ringing volume (Menu 9-4)**

You can select the volume for the ringing tone. This setting also specifies the message alert tone.

## **Message alert tone (Menu 9-5)**

You can select a tone which notifies you of an incoming text message.

## **Keypad tones (Menu 9-6)**

A tone is heard each time a key is pressed. You can select the volume for these keypad tones or turn them off.

## **Warning and game tones (Menu 9-7)**



You can set the phone to sound tones e.g. when the battery is running out of power or when you play one of the games built in the phone.

# 13. SIM services

In addition to the functions available in the phone, your SIM card may provide additional services that you can access in this menu.



This menu is shown only if it is supported by your SIM card. The name and contents of this menu depend entirely on the services available.

To access this menu: When the display is clear, press  (Menu), scroll to Menu 10, and press  (Select).

You can set the phone to display confirmation messages when you are using the SIM card services. See 'Confirm SIM service actions' on page 53.






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

# 14. Reference information

## Sending DTMF tones and requests to the network





### Sending DTMF tones

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

Make a call in the normal way. Press  and then  (Options), and select [Send DTMF](#). Key in the DTMF string or recall it from Phone book, and press .

### Sending a request to the network

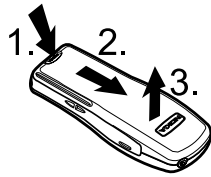
You can send requests, e.g. activation commands of different functions, to your service provider.

Start a call in the normal way. Key in the desired characters. Press  for # and  for \*. Press  (Options), and select [Send](#). Press  (Send) to send the message.

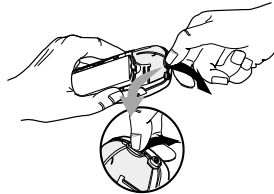
## Changing the Nokia Xpress-on™ covers

- Before changing the covers, always switch off and disconnect the phone from the charger or any other device.
- Always store the phone with the covers attached.
- Read carefully the instructions in the 'Care and maintenance' section.

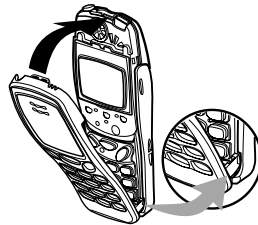
**Remove the back cover:** Press the locking catch at the bottom of the cover (1), slide the cover towards the top of the phone (2), and lift it up (3).



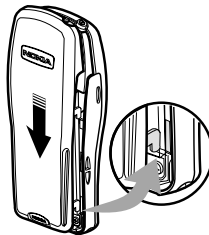
**Remove the front cover:** Press the locking catch on the top of the cover and gently pull the cover from the phone.



**Replace the front cover:** Insert the two catches of the cover in the corresponding slots in the phone, press the lower part of the cover towards the phone, and push the cover until it locks into place.



**Replace the back cover:** Insert the four catches of the cover in the corresponding slots in the phone and push the cover towards the phone until it locks into place.



# Access codes

You can use the different access codes to avoid unauthorised use of your phone and SIM card.




The access codes (except PUK and PUK2) can be changed within the 'Change access codes' function (see page 55).

## Security code (5 digits)

The security code can be used to avoid unauthorised use of your phone (see 'Phone security' on page 54). Keep the code secret and in a safe place, separate from the phone.

## PIN code (4 to 8 digits)

The PIN (Personal Identification Number) code protects your SIM card against unauthorised use. The PIN code is usually supplied with the SIM card. See also 'PIN code request' on page 53.

If you enter an incorrect PIN code three times in succession, the SIM card is blocked. Key in the PUK code and press  (OK). Key in a new PIN code and press  (OK). Key in the new code again and press  (OK).

## PIN2 code (4 to 8 digits)

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

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

## PUK code (8 digits)

The PUK (Personal Unblocking Key) code is required to change a blocked PIN code. The PUK code may be supplied with the SIM card. If not, contact your local service provider for the code. If you lose the code, contact your service provider.

## PUK2 code (8 digits)

The PUK2 code, supplied with some SIM cards, is required to change a blocked PIN2 code. If you lose the code, contact your service provider.

## Battery information

Your phone is powered by a rechargeable battery.

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.
- Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer.
- 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, discharge the NiMH 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.

- When the battery is running out of power and only few minutes of talk time remain, a warning tone is heard and **Battery low** is briefly displayed. When no more talk time is left, **Battery empty** is displayed and a warning tone is sounded and the phone switches itself off.

## Using the batteries

- Use the battery only for its intended purpose.
- Never use any charger or battery which is damaged or worn out.
- 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. The performance of NiMH batteries is particularly limited in temperatures below -10°C (14°F).
- Do not dispose of batteries in a fire!



Batteries must be recycled or disposed of properly.

They must not be disposed of in municipal waste!



## Accessories and batteries

This apparatus is intended for use when supplied with power from ACP-7, LCH-9, and DCH-8. Other usage will invalidate any approval given to this apparatus and may be dangerous.



**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.

# 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 are 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).

## 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 hand-held 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 cellular 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 cellular 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. Press and hold the  key twice 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  (Call) key.

If certain features are in use (Keypad lock, Fixed Dialling, 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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