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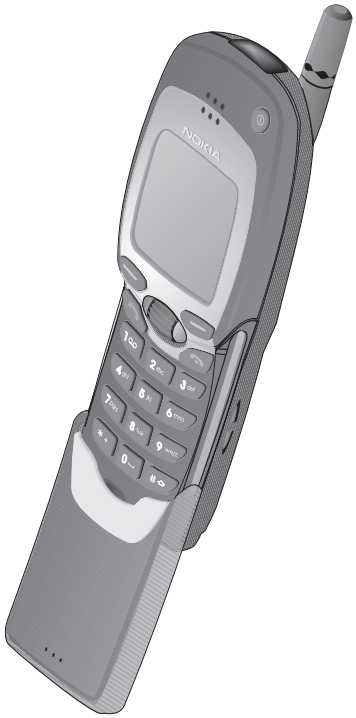
User's Guide



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Issue 3

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Quick and easy

These first two pages include some basic tips for quick and easy use of your Nokia 7110. For more detailed information read through the user's guide.

Before using your phone: With the battery removed, insert the SIM card, then insert the battery and charge it. Then switch on your phone by pressing and holding ⏻. For details, see page 9.

Making calls

Making a call	Open the slide, key in the area code & phone number and press 📞 or press and hold **Navi™ Roller**
Answering a call	Press and hold **Navi Roller** or open the slide, or press 📞 (if the slide is open)
Adjusting the earpiece volume	Roll up or down with **Navi Roller** during a call.
Ending/Rejecting a Call	Press 📵 or close the slide, or press **Reject**.
Last number redial	Press 📞 when the phone is in the standby mode. Roll with **Navi Roller** to the desired number and press 📞.
Listening to your voice messages	Press & hold 1. If the phone asks for the voice mailbox number, key it in and press **OK**.

Using the phone book

Phone book memory selection	You can store names & phone numbers in the phone's internal memory or SIM card's memory. To select the phone book memory, see page 16.
Quick storing	Key in the phone number & press **Options**, press **Navi Roller** or **Select** at Save. Then enter the name and press **OK**.

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Quick finding

Press **Navi Roller** once in the standby mode, then roll to the desired name (if the Roller menu shortcut is set to access the list of names as in the default settings).

Using the menu

Entering a menu

Press **Menu**, roll with **Navi Roller** to the desired menu function and press **Navi Roller**.

Exiting a menu

Press ☎ to exit a menu function without changing its settings.

Other essential functions

Locking the keypad

Close the slide and press **Lock Keys** within 3 seconds.

Unlocking the keypad

Open the slide.

Writing and sending a text message

Press **Menu** and then press **Write**. Then write your message. See page 33 for details.

In the traditional text input, press a number key repeatedly until the desired character appears. Press 0 ␣ for a space.

In the predictive text input, press a number key only once for one letter. If the underlined word is not the intended one, press * + to view the next matching word. Press 0 ␣ for a space.

After you have completed your message, press **Options** & press **Navi Roller** at Send. Enter the phone number & press **OK**.

Quick exit

Press ☎ or close the slide to exit any function & to return to the standby mode.

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For your safety

Read these simple guidelines before using your phone. Failure to comply with these guidelines may be dangerous or illegal. For more detailed safety information, see page 83.

ROAD SAFETY COMES FIRST

Do not use a hand-held phone while driving; park the vehicle first.

INTERFERENCE

All wireless phones may get interference that could affect performance.

SWITCH OFF IN HOSPITALS

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

SWITCH OFF IN AIRCRAFT

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

SWITCH OFF WHEN REFUELING

Do not use your phone at a refuelling point or near fuels or chemicals.

SWITCH OFF NEAR BLASTING

Do not use your phone where a blasting is in progress. Observe restrictions, and follow any regulations or rules in force.

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.

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CONNECTING TO OTHER DEVICES

When connecting to any other device, read its user's guide for detailed safety instructions. Do not connect incompatible products. Remember to make backup copies of all important data.

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 once to clear the display. Enter the emergency number, then press . Give your location. Do not end the call until told to do so.

INFRARED PRECAUTIONS

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

Network services

The wireless phone described in this guide is approved for use on GSM900 and GSM1800 networks. 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.

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

Note: Some networks may not support all language-dependent characters.

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 it contains.

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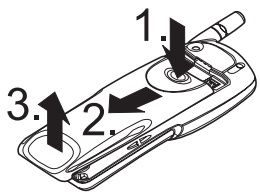
1. Getting started

Before you can use your phone, you first need to insert a valid miniature SIM card in the phone and then charge the phone battery.

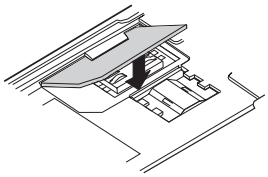
Inserting the SIM card

Before inserting the SIM card, make sure that the phone is switched off before you remove the battery.

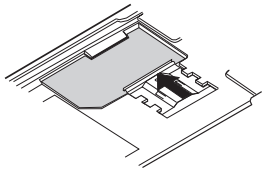


1 With the back of the phone facing you, press the locking catch of the battery (1.), slide the battery down (2.) and lift the battery off the phone (3.).

2 Release the SIM card holder by sliding it to the right.



3 Insert the SIM card ensuring that the bevelled corner is on the bottom right and that the golden connectors on the card face the connectors on the phone.



4 Slide the card holder to the left to lock the card in its place.

5 Place the battery on the back of the phone and slide it up the body of the phone until it locks into place.

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

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Charging the battery

1 Connect the lead from the charger to the bottom of the phone.

2 Connect the charger to an AC wall outlet. The battery indicator bar starts to scroll.

Note: If the battery is totally empty, it may take a few minutes before the charging indication appears on the display.

Tip: The phone can be used while charging if the phone is switched on.

3 The battery is fully charged when the battery indicator bar stops scrolling, and the `Battery full` text is briefly displayed if the phone is switched on.

Charging time depends on the charger and battery used. For example, the charging time for the BLS-2S battery with the ACP-8 charger is about 1 h 30 minutes.

4 Disconnect the charger first from the AC outlet and then from the phone.

For more information on using batteries, see "Using batteries and chargers" on page 82.

Switching the phone on or off

1 Press and hold ⏻ for more than a second.

If the phone asks for a PIN code:

- Key in the PIN code, which is displayed as asterisks, and press **OK**.

If the phone asks for a security code:

- Key in the security code, which is displayed as asterisks, and press **OK**.

For more information, see "Access codes" on page 79.

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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 phone with the antenna pointed up and over your shoulder.

Tip 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.

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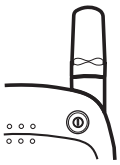
2. About your phone

Using the keys

Using the power key



Pressing and holding the ⏻ key switches the phone on or off.

Pressing the key once enters the user profiles menu. See "Profiles (Menu 3)" on page 29.

When the keypad is locked, pressing the power key once turns the lights on temporarily.

Using the selection keys

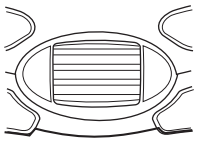
Below the display you will find two selection keys. Their functions depend on the guiding texts shown above the keys.

For example, when there is the text **Menu** above the ⊖ key, pressing this key enters the menu functions.

Similarly, pressing the ⊖ key under the text **Names** allows you access to the phone book functions.

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

Using the Nokia Navi™ Roller



The Nokia **Navi™ Roller** functions both as a scroll key and as a selection key:

Roll to scroll through names and numbers stored in the phone book or through the phone's menus, submenus and option lists.

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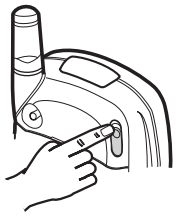
Press once to select the highlighted function or setting, or to show the details of the highlighted name or number (in phone book).

Press and hold to answer or call, or to make a call to the displayed or highlighted name or number.

You can adjust the earpiece volume of the phone by rolling with the **Navi Roller during a call**. Roll the **Navi Roller** upwards to increase and downwards to reduce the earpiece volume.

Tip: Press **Navi Roller** once (in the standby mode) to access the Roller menu. By default the Roller menu accesses the list of names. To customise the Roller Menu, see page 32.

Using the sliding cover



The pop-out sliding cover protects the number keys of your phone and can be used to answer, end or reject a call (see page 21).

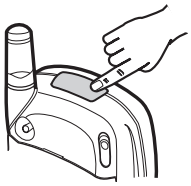
To open the sliding cover, press the slide ejection key at the upper rear corner of the phone or manually slide the cover down.

To close the slide, slide the cover up until it locks into place.

Tip: If you have locked the keypad of your phone, the keypad is always unlocked when you open the sliding cover.

Tip: Closing the sliding cover exits any function and returns the phone to the standby mode.

About the IR port of your phone



You can send & receive and print data such as business cards (names & numbers stored in your phone's internal phone book) and calendar notes via the IR port of your phone.

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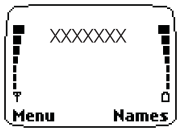
For sending and receiving data via the IR port of your phone, see "Transmitting data via IR" on page 76.

About display indicators

Display indicators and icons inform you about the operation of your phone. Most essential indicators and icons related to various phone functions are explained later in this user's guide.

Standby mode

The following three indicators are shown when the phone is in the standby mode, that is, when the phone is ready for use and no characters have been entered by the user. This screen is also called the standby display.



XXXXXXX	Indicates in which cellular network the phone is currently being used.
and bar	Shows the signal strength of the cellular network at your current location. The higher the bar, the stronger the signal.
and bar	Shows the battery charge level. The higher the bar, the more power in the battery.

List of essential indicators in the standby mode

In addition to the above three indicators, one or more of the following icons may be shown when the phone is in the standby mode:

	Indicates that you have one or more unread text messages. When the icon is blinking, the message memory of your phone is full.
	Indicates that the phone's ringing tone is set off and the phone doesn't ring at an incoming call.
	Indicates that the phone's keypad is locked.

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Indicates that you have set the alarm clock.

Indicates that you have activated one or more call diverts.

About the phone book (Names)

You can store names and phone numbers in the phone's internal phone book or to the memory of the SIM card. You can only use one memory at a time. For storing names and phone numbers, see "Phone book functions" on page 40.

- The phone's internal phone book can store 1000 names with 3 numbers and one textual note per name. However, if you have less than 1000 names stored in the phone's internal phone book, you may be able to store up to 5 numbers and two textual notes per name.
- See "Storing multiple numbers per name" on page 40.
- The phone supports SIM cards which can store up to 250 names and phone numbers.

Note: Multiple numbers per name can be stored only in the phone's memory. Before storing any names and numbers, select the phone memory. For instructions, see page 16.

Entering a phone book function

Press **Names**, roll with **Navi Roller** to the desired function and press **Navi Roller** or **Select**.

Tip: To quickly access the list of stored names and numbers, press **Navi Roller** when the phone is in the standby mode. This can be done if the Roller menu shortcut is set to access the list of names. See pages 32 and 70 for details.

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Selecting the phone book (memory in use)

You can set the phone to use its internal phone book or the memory of the SIM card for storing names and numbers.

1 Press **Names**, roll with **Navi Roller** to Options and press **Navi Roller**.

2 Press **Navi Roller** when Memory in use is displayed.

3 Roll to SIM card or Phone and press **Navi Roller** to select the highlighted memory.

Tip: If you want to store more than one number per name, select the option Phone.

Setting the type of view for stored names and numbers

You can set your phone to show the stored names and numbers in two different ways: Name list shows four names at a time and Name and number shows one name and phone number at a time.

1 Press **Names**, roll with **Navi Roller** to Options and press **Navi Roller**.

2 Roll to Type of view and press **Navi Roller**.

3 Roll to Name list or Name and number and press **OK**.

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About the menu

The phone offers you an extensive range of functions which are grouped in menus and submenus. The menus and submenus can be accessed by rolling the **Navi Roller** or by using the appropriate shortcut number.

Accessing a menu function by rolling the Navi Roller

1 Press **Menu** to access the menu facility.

2 Roll with **Navi Roller** to the desired main menu (for example, `Settings`) and press **Navi Roller** to enter the displayed menu.

3 If the menu contains submenus, roll with **Navi Roller** to the desired submenu and press **Navi Roller** to enter the submenu (for example, `Call settings`).

If the menu contains submenus (for example, `Speed dialling`), repeat step 3.

4 Roll with **Navi Roller** to the desired setting option.

5 Press **Navi Roller** to select the highlighted setting.

Tip: To return to the previous menu level, press **Back**. To exit the menu without changing any settings and to return to the standby mode, press ☎ or close the slide.

Header line

The header line on top of the display helps you to locate where you are in the menu or phone book.

Help texts

Most of the menu functions are provided with a brief help text. To view the help text of a menu function, roll to the desired menu function and wait for 10 seconds. To exit the help text, press **Back**.

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Accessing a menu function by its shortcut

Most menu items (menus, submenus and setting options) are numbered in ascending order and can be accessed by their shortcut number.

For example, the Settings is the fourth menu in the main menu level and thus its shortcut number is 4. The Call settings is the second submenu under the Settings menu and thus its shortcut number is 2 and so on. Note that you need to key in each shortcut number within 3 seconds.

For example, to set on the menu function Speed dialling, press **Menu** and then key in 4 ghi 2 abc 3 def 1 where 4 is for Settings, 2 for Call settings, 3 for Speed dialling and 1 for selecting On.

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List of menu functions

1 Messages
- NN unread text messages
- Inbox
- Outbox
- Archive
- Templates
- NN of user defined folders

2 Call register
- 1 Missed calls
- 2 Received calls
- 3 Dialled numbers
- 4 Erase recent call lists
- 5 Call duration
  - 1 Last call duration
  - 2 All calls' duration
  - 3 Received calls' duration
  - 4 Dialled calls' duration
  - 5 Clear timers
- 6 Call costs
  - 1 Last call cost/units
  - 2 All calls' cost/units

3 Profiles
- 1 General
  - 1 Activate
  - 2 Personalise
  - 1 Incoming call alert
  - 2 Ringing tone
  - 3 Ringing volume
  - 4 Vibrating alert
  - 5 Message alert tone
  - 6 Keypad tones
  - 7 Warning and game tones
  - 8 Alert for
- 2 Silent*
- 3 Meeting*
- 4 Outdoor*
- 5 Pager*
- 6 Car[1]**
- 7 Headset[2] ***

4 Settings
- 1 Time Settings
  - 1 Alarm clock
  - 2 Clock
- 2 Call settings
  - 1 Anykey answer
  - 2 Automatic redial
  - 3 Speed dialling
  - 4 Call waiting service
  - 5 Line for outgoing calls

---

[1] Only shown after the phone is connected to the car kit CARK-91.

[2] Only shown after the phone is used with the headset HDC-9P.

* Same submenus as in General plus Rename.

** Same submenus as in General plus Automatic Answer and Lights.

*** Same submenus as in General plus Automatic Answer.

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- 6 Summary after call****
- 7 Fax or data call****
- 8 Own number sending****

3 Phone settings
- 1 Language
- 2 Cell info display
- 3 Welcome note
- 4 Network selection
- 5 Roller function
- 6 Confirm SIM service actions

4 Communication settings
- 1 Info service
- 2 Listen to voice messages
- 3 Voice mailbox number
- 4 Service command editor

5 Security settings
- 1 PIN code request
- 2 Call barring service
- 3 Fixed dialling
- 4 Closed user group
- 5 Security level
- 6 Change of access codes
  - 1 Change security code
  - 2 Change PIN code
  - 3 Change PIN2 code
  - 4 Change barring password

6 Restore factory settings

5 Call divert
- 1 Divert all voice calls
- 2 Divert if busy
- 3 Divert if not answered
- 4 Divert if out of reach
- 5 Divert if not available
- 6 Divert all fax calls
- 7 Divert all data calls
- 8 Cancel all diverts

6 Games

7 Calculator

8 Calendar

9 Infrared

10 Services

11 SIM services[1]

---

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

****The numbering of these menus vary. If your SIM card does not support the Line for outgoing calls function, Summary after call is menu 4-2-5.

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3. Call functions

Making and answering calls

Making a call

1 Open the sliding cover.

2 Key in the phone number including the area code and press (or press and hold down the **Navi Roller**).

3 Press to end the call (or to cancel the call attempt). You can also end the call by closing the sliding cover.

Tip: To make an international call, key in the international prefix + (press twice) and country code before entering the area code and phone number.

Answering a call

1 Press and hold **Navi Roller** or open the sliding cover to answer an incoming call. If the sliding cover is already open, press to answer the call.

2 Press or close the sliding cover to end the call.

Tip: You can reject an incoming call by pressing, by closing the sliding cover, or pressing **Reject**. If you have activated Divert if busy, a rejected call will also be diverted.

Press **Options** at an incoming call to stop the phone from ringing, but without ending the call. Then select Answer or Reject and press the **Navi Roller**.

Call functions by using the sliding cover

- To answer an incoming call, open the sliding cover.
- To reject an incoming call, close the sliding cover.
- To end a call, close the sliding cover.

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Adjusting the earpiece volume

You can adjust the earpiece volume of the phone by rolling with the **Navi Roller during a call**. Roll the **Navi Roller** upwards to increase and downwards to decrease the earpiece volume.

Last number redial

The last ten phone numbers you called or attempted to call are stored in the phone's memory. To redial one of these last dialled numbers:

1 With display clear, press ☎ once to access the list of the last-dialled numbers.

2 Roll with the **Navi Roller** to the desired name or number and press ☎, or press and hold the **Navi Roller**, to dial it.

See also "Call register (Menu 2)"on page 25.

Listening to voice messages

1 Press and hold 1 (in the standby mode) to call your voice mailbox.

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

Voicemail box is a network service. For more information and for the voicemail box number, contact your service provider.

Tip: When the display text above the left selection key is **Listen**, press the key to call your voice mailbox number.

In-call functions

Your phone provides a number of functions that you can use during a call. Many of the in-call options are network services.

By pressing **Options** during a call some or all of the following in-call options may be available:

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- Hold or Unhold (to put a call on hold or to unhold a call)
- New call (to make a call when you have a call in progress)
- Send DTMF (to send DTMF tone strings stored in the phone book, for example, passwords or bank account numbers)
- End all calls (to end all active calls)
- Phone book (to access the phone book)
- Menu (to access the menu)
- Mute (to mute the phone's microphone)
- Swap (to switch between the active call and the call on hold).
- Transfer (to connect the active call and the call on hold and to disconnect yourself from the calls).

Call waiting

This network service allows you to answer an incoming call while you have a call in progress if you have activated the menu function Call waiting service (Menu 4-2-4).

1 Press **Answer** or . The first call is put on hold.

2 To switch between the two calls, press **Swap** or .

3 To end the active call, press , (or to end both calls at the same time, press **Options**, roll to End all calls and press **OK**.)

Tip: If you do not want to answer the call, you can ignore it or reject it. To reject the call, press **Options**, then roll to Reject and press **OK**.

If you have activated the call divert Divert if busy, a rejected call will also be diverted (see page 27).

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Call holding

This network service allows you to make another call while you have a call in progress.

1 Key in the phone number and press . The first call is put on hold.
Alternatively, press **Hold** and then make the second call.

2 To switch between the two calls, press **Swap** or .

3 To end the active call, press .

Tip: You can also mute the line for a while. Press **Options**, roll with **Navi Roller** to Mute. When you want to resume the muted call, press **Unmute**.

Making a conference call

This network service allows up to six persons take part in a conference call.

1 Make a call to the first participant.

2 Press **Options** and roll to New call and press **Navi Roller**. Make the call to the second participant. The first call is put on hold.

3 To join the first participant in the conference call, press **Options**, choose Conference and press **Navi Roller**.

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

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

Press **Options**, roll to Private and press **Navi Roller**, then roll to the desired participant and press **OK**. Once you have finished the private conversation, return to the conference call as described in step 3.

6 To end the conference call, press .

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Transferring a call

When you have one call active and one on hold, this network service allows you to connect these two calls and disconnect yourself from the call.

Call register (Menu 2)

Within this menu you can view and delete phone numbers registered by the phone, and view the approximate length and cost of your calls (network service).

In the options of the missed calls, dialled numbers or received calls you can:

- call the number
- save the number in the phone book
- view the date and time of the call
- view, edit or erase the number from the list.

Note: The phone registers missed and received calls only if the network supports the Calling Line Identification (CLI), the phone is switched on and within the network's service area.

Missed calls (Menu 2-1)

Within this submenu you can view the ten phone numbers from which somebody has most recently tried to call you.

Tip: When a note of missed calls is displayed, press **`List`** to access the list of missed calls.

Received calls (Menu 2-2)

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

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Dialled numbers (Menu 2-3)

Within this submenu you can view the ten phone numbers that you have most recently called or attempted to call.

Tip: To quickly access the list of last dialled numbers, press once when the phone is in the standby mode.

Erase recent call lists (Menu 2-4)

This menu function allows you to erase all the phone numbers listed in the Missed Calls, Received Calls and Dialled calls submenus. Note that you cannot undo the operation.

Call duration (Menu 2-5)

Within this submenu, you can view the duration of your incoming and outgoing calls in hours, minutes and seconds. You can also clear the call timers by using the `Clear timers` function (Menu 2-5-5). To clear the timers, you need the security code.

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

Call costs (Menu 2-6)

This network service allows you to check the cost of your last call or all calls. The call costs are shown separately for each SIM card.

You can limit the costs of your calls to a certain amount of charging units or units of currency by using the option `Call costs limit`. You can make and receive charged calls as long as the specified cost limit is not exceeded. The number of remaining units is shown in the standby mode. You may need the PIN2 code to set the cost limit.

You can set the phone to show the remaining talk-time (cost limit) in terms of charging units or units of currency by using the option `Show costs in`. You may need the PIN2 code to select the currency or unit. Contact your service provider for charging unit prices.

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The option Clear counters allows you to reset the call cost counters. To clear the counters you need the PIN2 code.

Note: When no more charging or currency units are left, only calls to the emergency number 112 may be possible.

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 divert (Menu 5)

This network service allows you to direct your incoming calls to another number (for example, to your voice mailbox number). For details, contact your service provider.

Within the Menu 5 you can select one of the following diverts:

- Divert all voice calls (Menu 5-1) All voice calls are diverted and no ringing tone is played at an incoming call.
- Divert if busy (Menu 5-2)
  Voice calls are diverted when your number is busy.

  Tip: If Divert if busy is activated, rejecting an incoming call will also divert the call.
- Divert if not answered (Menu 5-3)
  Voice calls are diverted when you don't answer a call within the preset timeout.
- Divert if out of reach (Menu 5-4) Voice calls are diverted when your phone is switched off or outside of the network service area.
- Divert if not available (Menu 5-5) Voice calls are diverted when your number is busy, when you don't answer a call, and when your phone is switched off or outside of the network service area.
- Divert all fax calls (Menu 5-6)
  All fax calls are diverted.
- Divert all data calls (Menu 5-7)
  All data calls are diverted.

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Select option Activate to set the divert setting on if allowed by the network, Cancel to set the divert setting off or Check status to check whether the divert is activated or not.

To cancel all diverts, select the submenu Cancel all diverts (Menu 5-8).

Tip: To quickly activate the Divert all voice calls, press **Menu**, then roll to Call Divert and press **All voice**.

Tip: The icon is shown in the standby mode when you have activated the Divert all voice calls. If you have two phone lines, the divert icon for your first line is and for the second line is .

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4. Personalising your phone

Profiles (Menu 3)

Within the Profiles menu, you can adjust and customise the phone tones for different events, environments and caller groups.

Activating a user profile

1 Press ⓘ once (in the standby mode) to access the list of profiles.

2 Roll with **Navi Roller** to the profile you want to activate and press **Navi Roller**.

To access the list of profiles through the menu, press **Menu**, then roll to Profiles and press **Navi Roller**. Pressing **General** activates the default profile General.

Tip: In the default settings of Silent, the phone is set not to ring at an incoming call.

Personalising a user profile

1 Press **Menu**, then roll to Profiles and press **Navi Roller** (or press ⓘ once in the standby mode).

2 Roll to one of the following profiles and press **Options**. General, Silent, Meeting, Outdoor, Pager, Car[1], Headset[2].

Note that selecting option Switch off! turns off the phone.

3 Select Personalise and press **OK**.

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1 Only shown after the phone is connected to the car kit CARK-91.

2 Only shown after the phone is connected to the headset HDC-9P.

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4 Roll to the setting you want to customise (for example, Ringing tone) and press **Navi Roller**. See "Profile settings".

5 Roll to the desired option and press **OK**.

Profile settings

Once you have selected the setting Personalise, you can customise the following settings of the selected profile:

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

  When Incoming call alert is set to Off or Beep Once no ringing tone will be heard and is displayed when the phone is in the standby mode.

- Ringing tone to set the ringing tone type for voice calls.

  Tip: If you receive a ringing tone via IR or as an Over-The-Air message (OTA), you can store five personal ringing tones in the ringing tone list. For more information, contact your local service provider.

- Ringing volume to set the volume level for the ringing and message alert tones.
- Vibrating alert to set the phone to vibrate at an incoming voice call and at an incoming text message. The vibrating alert does not work when the phone is connected to a charger or to a desktop stand.
- Message alert tone to set the ringing tone type for text messages.
- Keypad tones to set the volume level for key pad tones or to set the key pad tones off.
- Warning and game tones to set the warning and game tones on or off. For example, when set to on, the phone sounds a warning tone when the battery is running out of power.

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- Alert for to set the phone to ring only upon calls from phone numbers which belong to a selected caller group. To set a ringing tone and a group graphic for a caller group, see page 47.
- Automatic answer (in Car and Headset profiles only) to set the phone to answer an incoming voice call after a few seconds.

  Note: This function can only be used when your phone is connected to the HDC-9P headset or to the CARK-91 car kit (with the ignition switched on).
- Lights (in Car profile only) to set the display and keypad lights On or Automatic.

Renaming profiles

You can rename the profiles to your personal liking except for General, Car and Headset profiles.

1 Press **Menu**, roll with **Navi Roller** to Profiles and press **Navi Roller**.

2 Roll to the profile you want to rename and press **Options**, then roll to Rename and press **OK**.

3 Enter the new name and press **OK**. To enter letters, see page 33.

Setting display text language

Within the Language menu (4-3-1) you can select the language in which the display texts are shown. If the setting Automatic is selected, language is chosen based on current SIM card.

Language setting also affects the time and date formats of the following functions: Alarm clock (Menu 4-1-1), Clock (Menu 4-1-2), Calendar (Menu 8).

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Displaying the clock

The phone is provided with a clock. Within the Clock menu (4-1-2) you can set the phone to display the clock in the top right of the display when the phone is in the standby mode. Within the Clock menu, you can also set the time and choose whether the clock uses the 12-hour or 24-hour format.

Welcome note

Within Welcome note menu (4-3-3) you can write a message (up to 44 characters) which is briefly displayed every time the phone is switched to on.

Displaying last call duration

You can set the phone to briefly display the approximate duration and cost (if supported by the network) of the last call directly after the call has been ended. To do this, set on the menu function Summary after call (4-2-6).

Personalising the Roller menu

Pressing the **Navi Roller** in the standby mode activates the Roller menu allowing you quick access to the list of names and numbers stored in the phone book.

However, you can set the Roller menu to access another function that you often use, for example, the Calendar or Profiles. You can do this in the Roller function submenu (4-3-5), see page 70.

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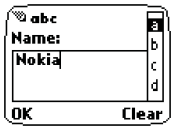
5. Writing text

You can enter text (for example, in phone book or in calendar) by using the **Navi Roller** or by using the traditional text input. The traditional text input is indicated by . Note that the Navi Roller input is also available; when the traditional text input is in use.

When using the **Navi Roller**, you write text by selecting characters from the character bar displayed in the far right of the display. In the traditional text input, you enter text by pressing a number key (from 2abc to 9wxyz) repeatedly until the desired character appears on the display.

For writing text messages you can also use the predictive text input. In the predictive text input you only press a number key once for one letter. The predictive text input is indicated by . Note that this input method may not be available for all languages.

Writing text by using Navi Roller



1. Roll with **Navi Roller** to the desired character or number. The character bar is displayed in the far right of the display.
2. Press **Navi Roller** to insert the highlighted character or number.

- 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 display.
- To move the cursor, roll through the character bar to one of the arrow symbols and press **Navi Roller** to move the cursor in the direction of the highlighted arrow symbol.

  You can also move the cursor by first pressing **Options**, then pressing **Navi Roller** at Move cursor. Roll with **Navi Roller** to the desired location and press **Done** to move the cursor.

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Writing text by using traditional text input

Press a number key (1 to 9wxyz) repeatedly until the desired character or number appears.

The most common punctuation marks and special characters are available under the number key 1.

Note: All characters available under a number key are NOT printed on the key. The characters available under a number key depend on the language selected in the menu 4-3-1.

- To change the character case, press # once. Upper case is indicated by ABC and lower case by abc.
- To add numbers, press and hold # to enter the number input indicated by 123. After keying in the desired numbers, press and hold # to return to the text input.

  You can also add a number by pressing and holding the respective number key until the number appears on the display.
- To insert a space, press 0.
- To insert a punctuation mark or a special character, press * to enter the list of special characters. Roll with **Navi Roller** to the desired character and press **Navi Roller** to select the highlighted character.

Tip: When entering names in the phone book, the phone uses title case, which automatically writes the first character of a name in upper case and the rest of the word in lower case.

Tip: When writing a text message or other text, the phone uses the text case, which automatically writes the first character of a sentence in upper case.

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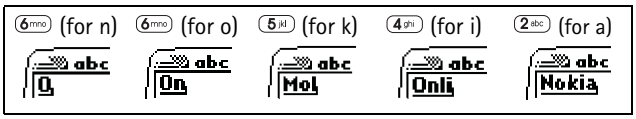
Writing text by using predictive text input

The predictive text input allows you to write text using a built-in dictionary. The indicator shows when the predictive text input is on. Note that the predictive text input may not be available for all display languages. See "Setting predictive text input on/off and selecting dictionary language"on page 39.

Quick guide to the predictive text input

In the predictive text input you only need to press each number key once for one letter. The word changes after each keystroke - do not pay any attention to how the word appears on the display before you have keyed in all its characters.

For example, to write **Nokia** when the English dictionary is selected, press:



2 abc – 9 wxyz	Use for word entry. Press each key only once for one letter.
* +	Press to view the next matching word if the underlined word is not the one you intended.
Spell	Press to add a new word to the dictionary. Write the word by using the traditional text input which is indicated by .
0 ␣	Press once to accept a word and to add a space.
# ⇳	Press and hold to enter the number input which is indicated by 123.
# ⇳	Press once to change the character case. Upper case is indicated by ABC, lower case by abc.

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Navi Roller	Roll to move the cursor backward or forward.
Clear	Press once to delete the character to the left of the cursor.
1	Press once to add a punctuation mark. To change the underlined symbol, press * repeatedly until the desired symbol is displayed.

Writing words using the predictive text input

1. When in the predictive text input, write a word by using the number keys 2 to 9. Press each key only once for one letter.

   To change the character case, press # (see also page 38). To insert a number, press and hold the respective number key (see also page 37). To insert a punctuation mark, press 1 (see also page 38).

2. When you have keyed in all the characters of the word, check that the underlined word is the one you intended to write.

   If the underlined word is correct, press 0 for space and start writing the next word.

   If the underlined word is not the one you intended, press * to display the next matching word. To return to the previous match, press **Previous**.

   Tip: You can also view the next matching word by first pressing **Options**, then rolling to `Next match` and pressing **Navi Roller**.

   If the ? character is displayed after the word, the word you intended to write is not in the dictionary. To add the word to the dictionary, press **Spell**. See "Adding a new word to the dictionary".

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Adding a new word to the dictionary

If you try to write a word that does not exist in the dictionary, the phone prompts you to spell the word by using the traditional text input.

1. Press **Spell** to enter the traditional text input.
2. Key in the word as described in "Writing text by using traditional text input" and press **Save**.

The word is added to the dictionary and to the message you are writing, and the phone returns to the predictive text input.

Tip: You can also add a new word to the dictionary by using the option `Insert word`.

You can add hundreds of words to the dictionary depending on the language used and the lengths of words added to the dictionary.

Note: If the word is not included in the dictionary and you accept it in the predictive text input by pressing **Navi Roller**, by pressing 0, or by deleting the space between two words, the word will be saved in the dictionary.

Note: When the dictionary becomes full, the most recently added word will replace the oldest word you have previously added to the dictionary.

Inserting numbers

To enter a number, press and hold the desired number key until the number is displayed.

To enter several numbers in a row, press and hold # to enter the number input. Key in the desired numbers by using the number keys, and then press and hold # to return to the predictive text input.

Tip: You can insert a phone number or name stored in the phone book by using the options `Insert number` or `Insert name`, respectively.

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Inserting punctuation marks and special characters

Press 1, to add a punctuation mark. The phone tries to predict the correct symbol. To change the underlined symbol, press * repeatedly until the desired symbol appears.

If the desired symbol is not found, press **Symbol** to enter the list of symbols and special characters. Then roll with the **Navi Roller** to the symbol you want to use and press **OK**.

Tip: You can also insert a symbol by using the option Insert symbol or by pressing and holding * to enter the list of symbols and special characters.

Deleting characters

Press **Clear** to delete the character to the left of the cursor.

Pressing and holding **Clear** clears the display.

Changing character case

Press # once to change the character case. Upper case is indicated by ABC and the lower case by abc.

Tip: Pressing and holding # enters the number input. Number input is indicated by 123.

Writing compound words

Instead of writing the whole compound word at once, you can write its first part, press **Navi Roller** to accept it, and write the second part.

Tip: You can also accept the first part of the compound word by first adding a space by pressing 0 and then removing the space by pressing **Clear** once.

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Setting predictive text input on/off and selecting dictionary language

When you enter the Messages menu, the predictive text input may be set on as the default. The predictive text input is on when the indicator is shown at the top left part of the display.

To set the predictive text input off:

1 Press **Menu**, then press **Write**.

2. Press **Options**, roll with **Navi Roller** to Dictionary and press **Navi Roller**.

3. Press **Navi Roller** when Dictionary off is highlighted.

To set the predictive text input on and to select the dictionary language:

1. Press **Menu**, then press **Write**.

2. Press **Options**, roll with **Navi Roller** to Dictionary and press **Navi Roller**.

3. Roll to the desired dictionary language and press **Navi Roller**.

Tip: To quickly set the predictive text input on or off, press **Menu**, press **Write** and then press and hold **Options.**

Note: Predictive text input is only available for the languages listed in the dictionary option list.

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6. Phone book functions

Storing names and numbers

1 Press **Names**.

2 Roll to Add name and press **Navi Roller**.

3 Key in the name and press **OK**.

Press a number key repeatedly until the desired character appears. Press 0 for a space. See also "Writing text"on page 33.

4 Key in an area code and phone number, and press **OK**.

If you key in the + character for the international prefix (by pressing * twice) in front of the country code, you can also use the phone number when calling from abroad.

Quick Save: Key in the phone number and press **Options**, press **OK** at Save highlighted. Then enter the name and press **OK**.

Storing multiple numbers per name

You can use your phone as a contact manager, since the phone's internal phone book allows you to store multiple phone numbers as well as text, such as an E-mail address, a street address or a note under a name.

Note: Multiple numbers per name can be stored only in the phone's memory. Before storing any names and numbers, select the phone memory. For instructions, see page 16.

The first number stored under a name is automatically set as the default number. When you select a name from the phone book (for example, to make a call or send a text message), the default number is used unless you select another number. For example, when you press and hold **Navi Roller** at a highlighted name, the phone will make a call to the default number.

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For each number or text item you can select a number type. If you do not select any number type, ☎ will be used as the number type. The default number is indicated by the box around the number type icon, for example, ☎.

To add a new number or text item to a name:

1 Once in the names list, roll with **Navi Roller** to the desired name.

2 Press **Options** and roll to Add number or to Add text and press **Navi Roller**.

3 Roll to one of the number or text types and press **Navi Roller**.

- ☎ General (default type when no other type is selected)
- Home
- Mobile
- Office
- Fax
- E-mail (text type)
- Postal address (text type)
- Note (text type)

You can later change the number or text type by using the Change Type option in the option list.

4 Enter the number or enter the text at Add text: and press **OK** to save it.

To change the default number:

1 Once in the names list, roll to the desired name and press **Navi Roller**.

2 Roll to the number you want to set as the default number, press **Options** and roll to Set as default and press **Navi Roller**.

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Searching and calling from phone book

1 Press **Names**, press **Navi Roller** when List names is highlighted.

2 Enter the first character(s) of the desired name. The pop-up window appears.

Alternatively, press **Names**, roll with **Navi Roller** to Search and press **Navi Roller**. Then enter the first character(s) of the desired name and press **Search**.

3 Roll with **Navi Roller** to the desired name, or enter more search criteria in the pop-up window and then roll to the desired name.

4 Once the desired name is highlighted, press **Navi Roller** to view the details of the highlighted name, or press and hold the **Navi Roller** to call the highlighted name.

Pressing and holding **Navi Roller** at a highlighted name makes a call to the default number, if there is more than one number stored under the name. To make a call to other than the default number, roll with **Navi Roller** to the desired number and press or press and hold **Navi Roller**.

Quick Find: Press **Navi Roller** once in the standby mode, then roll to the desired name. This can be done if the Roller menu shortcut is set to access the list of names. See pages 32 and 70 for details.

Calling service numbers

Using this function you can easily call any of the service numbers your service provider may have stored in your SIM card. This function is not displayed if there are no service numbers stored in your SIM card.

1 Press **Names** and roll to Service numbers and press **Navi Roller**.

2 Roll to the desired service number, press to call the number.

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Speed dialling

Assigning a phone number to a speed dial key

You can set any of the numbers keys 2 abc - 9 wxyz to work as a speed dialling key. To do this you need to assign a phone number to a number key.

1 Press **Names**, then roll to Speed dials and press **Navi Roller**.

2 Roll to the desired speed dial key (2 to 9), and press **Assign**.

3 Press **Search**, then roll to the desired name and press **Navi Roller**.

4 Press **Navi Roller** to assign the highlighted number.

After assigning a number to a speed dial key, you can call, view or change the number or undo the speed dial.

Making a call by using the speed dialling keys

When a phone number is assigned to one of the speed dialling keys (2 abc to 9 wxyz), you can call the phone number in either of the following two ways:

- Press the corresponding speed dialling key and press the call key.
- If you have set the menu function Speed dialling (Menu 4-2-3)to on, press and hold the corresponding speed dialling key until the call is started.

Tip: Pressing and holding 1 oo dials your voice mailbox number.

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Organising the phone book

Editing a name and number

1 Recall the name or number you want to edit, press **Options**.

2 Press **Navi Roller** when Edit name or Edit number is highlighted.

3 Edit the name or number and press **OK**.

Erasing a name and number

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

To erase a name and number

1 Recall the name and number you want to erase.

2 Press **Options**, press **Navi Roller** at Erase name, and then press **OK** to confirm the erase operation.

Note: If you have stored multiple numbers per name, the option Erase name deletes the name, all the numbers and the text types stored under it.

To erase all names and numbers

1 Press **Names** (in the standby mode), then roll to Erase and press **Navi Roller**.

2 Roll to Erase all and press **Navi Roller**.

3 Roll to the phone book you want to erase (SIM card or Phone) and press **OK**.

Press **OK** at Are you sure?, key in your security code and press **OK**.

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Copying names and numbers

You can copy names and phone number from the phone's memory to your SIM card's memory or vice versa.

1 Press **Names**, roll to Copy and press **Navi Roller**.

2 Roll to the desired copying direction (From phone to SIM card or From SIM card to Phone) and press **Navi Roller**.

3 Roll to One by one, or All or Default numbers and press **Navi Roller**.

If you selected One by one, roll to the name you want to copy and press **Copy**.

Note: When you copy From SIM card to Phone, the text Default numbers is not shown.

4 Then select whether you want to keep the original names and numbers.

5 If you selected All or Default numbers, press **OK** at Start copying.

Sending and receiving names and phone numbers

You can send or receive a person's contact information as a business card either via IR or as an Over The Air (OTA) message if supported by the network.

To send a business card as an OTA message, find the desired name and number from the phone book and then use the option Send card.

To send a business card via IR, use the option Send card via IR. See also "Copying and printing via IR" on page 46 and "Transmitting data" on page 76.

When you receive a business card, press **Show**. Then press **Options**, select Save or Discard, and press **Navi Roller**.

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Copying and printing via IR

Copying or printing a name and number

Using your phone's infrared (IR) port, you can send names and phone numbers as business cards to a compatible phone or PC which is running an appropriate application. When sending business cards to another phone, make sure that the other phone is set to receive data via its IR port.

You can also print a business card via a compatible printer using the option Print card via IR.

Copying a name and number to your phone

To copy names and phone numbers from another compatible phone, you first need to set your phone to receive data through its IR port by entering the Infrared (Menu 9).

Then, the user of the other phone can send you a name and number as a business card. When you receive the business card, press **Show**, then press **Options**, select, Save or Discard, and press **Navi Roller**.

Caller groups

You can set the phone to sound a specific ringing tone and flash a selected graphic on the display when you receive a call from a particular name and phone number. To do this, first include a name and number in a caller group. Then, define a ringing tone and graphic for this group.

Note: You can set the phone to ring only upon receiving calls from names and numbers that belong to a specific caller group by using the Alert for setting under the Profiles menu (see page 29).

Adding a name and phone number in a caller group

1 Press **Names**, roll to Caller groups and press **Navi Roller**.

2 Roll to the desired caller group and press **Navi Roller**.

3 Roll to Members and press **Navi Roller**.

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4 Press **Navi Roller** when Add name is highlighted, then roll to the desired name and press **Add**.

Tip: You can also add a new name to a caller group by first recalling the desired name and number from the phone book, then pressing **Options**, then rolling to Caller groups and pressing **Navi Roller**, and then rolling to the desired caller group and pressing **Navi Roller**.

Setting a ringing tone or graphic for a caller group and renaming a caller group

1 Press **Names**, roll to Caller groups and press **Navi Roller**.

2 Roll to desired caller group and press **Navi Roller**.

3 Roll to one of the following settings and press **Navi Roller**.

Group title
To rename the caller group, key in a new name and press **OK**.

Group ringing tone
To set the phone to ring a specific ringing tone for the group, roll to the desired tone and press **OK**. Default is the tone selected for the currently selected profile.

Group graphic
To set the phone to display the group graphic, roll to On and press **Navi Roller**.

The option list includes options for viewing and sending (Send graphic) the graphic as an Over The Air (OTA) message, if supported by your network.

You can also receive a new group graphic to your phone as an OTA message. When you receive a group graphic, press **Show**, then press **Options**, select Save or Discard and press **Navi Roller**. If you selected Save, reach the desired caller group and press **Navi Roller**.

See also "Copying and printing via IR"on page 46 and "Transmitting data" on page 76.

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Removing a name and number from a caller group

1 Press **Names**, roll to Caller groups and press **Navi Roller**.

2 Roll to desired caller group and press **Navi Roller** to select it.

3 Roll to Members and press **Navi Roller**.

4 Roll to the name you want to remove, press **Options** and roll to Remove name and press **OK**.

Memory status

You can check what percentage of the phone's internal memory is unoccupied and how many name and number entries can still be stored in the SIM card's memory.

1 Press **Names**, roll to **Options** and press **Navi Roller**.

2 Roll to Memory status and press **Navi Roller**.

The phone now displays the status of the SIM card memory. To view the status of the phone's internal memory, roll down with **Navi Roller**.

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7. Text messages

Within the Messages menu (Menu 1) you can read, write and send text (SMS) messages to another phone or, for example, to an Email address or fax if supported by your network. To send text messages, you may first need to subscribe to the text message (SMS) service.

Reading text messages

When you have received a text message, the ✉ indicator and the number of new messages followed by the NN Messages received is displayed.

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

If you have received more than one new text message, press **Navi Roller** to read the highlighted message.

To read an unread message later:
Press **Menu** and press **Navi Roller** at Messages, then roll to the desired message and press **Navi Roller** to read it. The message is stored in the Inbox folder after you have read it.

To read the read message later:
Press **Menu** and press **Navi Roller** at Messages, then press **Navi Roller** at Inbox. Roll to the desired message and press **Navi Roller** to read the highlighted message.

2 While reading the message, press **Options** to roll through the list of options and press **Navi Roller** at the highlighted option to select it.

The option list includes options for erasing, replying, forwarding, moving, editing and renaming the message you are reading.

You can also copy the message to your phone's calendar as a reminder note (Copy to Calendar). The Details option shows you, for example, the sender's name and phone number, message centre used for sending, reception date and time.

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For forwarding the message, for example to a fax or an email address, see "Special sending options" on page 52.

Replying to a text message

1 Once in a message you want to reply to, press **Options**, roll to Reply and press **Navi Roller**.

2 Roll to one of the following reply types and press **Navi Roller**.

Empty screen (Original message is not included in the reply message.)

Original message (Original message is included in the reply message.)

Standard answer, for example, Thank you or Happy birthday (The standard answer is included in the beginning of the reply message.)

Template (The selected template is included in the beginning of the reply message.)

3 If you selected Template, the list of templates is displayed. Roll to the desired template and press **Navi Roller**.

4 Write your reply message and press **Options**, roll to Send and press **OK**.

For sending the reply message, for example to a fax or an email address, see "Special sending options" on page 52.

Standard answers and templates

Your phone offers you a list of standard answers (for example, Thank you or Happy birthday) and templates (for example, I'm at a meeting, call me later at) which you can use in replying to text messages. You can also use templates when writing text messages.

You can find the list of default templates in the Templates folder of the Messages menu. You can edit the templates to your liking. The original templates are restored when the Restore Factory Settings menu (Menu 4-6) is selected.

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Writing and sending text messages

Within the Messages menu you can write and send text messages or save your own messages in the Outbox folder for later use.

Note: Before sending a text message, make sure that the phone number of your message centre number is stored in the phone (see "Message settings" on page 54). Contact your service provider for the message centre number.

Writing and sending a text message

1 Press **Menu**, then press **Write**.

You can also start writing a message once you are in the Messages menu, by first pressing **Options**, then rolling to Write Message and then pressing **Navi Roller**.

2 Key in your message of up to 160 characters.

For writing text messages you can use the traditional text input indicated by or the predictive text input indicated by . For details, see "Writing text" on page 33.

Tip: If you want to use one of the standard templates, press **Options**, roll to Insert Template and press **Navi Roller**. Then roll to the template you want to use and press **Navi Roller**.

3 To send the message, press **Options**, roll to Send and press **OK**. Then enter the phone number (or recall it from the phone book) and press **OK** to send the message.

The sent message is stored in the Outbox folder.

The option list includes options for sending, saving, erasing the message you are writing.

For sending the message, for example to a fax or an email address, see "Special sending options" on page 52.

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To view the messages saved in the Outbox:

1 Once in the Messages menu, roll to Outbox and press **Navi Roller**.

2 Roll to the desired message and press **Navi Roller** to view it.

Special sending options

Sending a text message to multiple recipients

You can send a message to multiple recipients. When forwarding a message, use the Multiple copies option under Forward Options, and when writing and sending a message, use Multiple copies under Send Options.

1 After you have written the message, select Forward Options or Send Options, and then select the option Multiple copies.

2 Then roll to the desired name and press **OK** to send the message.

3 Then select the next recipient and press **OK**.

4 When you do not want to send the message to any more recipients, press **Done**.

Sending a text message by message profile

You can send or forward a text message, for example to a fax number, by using the Message profile option under Send Options or Message profile option under Forward Options if supported by your network.

For example, in order to send a text message to a fax, you first need to define one message profile under the message settings for fax transmissions. See "Message settings" on page 54.

To send a text message to a fax number:

1 After you have written the message, select Send Options or Forward Options, and then select the option Message profile.

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2 Roll to the message profile you have defined for fax transmissions) and press **Navi Roller**.

3 Enter the fax number or recall it from the phone book and press **OK**.

Organising your text messages

Message folders

All the text messages stored in your phone's message memory are organized in folders.

Inbox and Outbox folders

After you have read an incoming text message, the phone stores the message in the `Inbox` folder of the `Messages` menu.

When you save a message you have written and/or sent, the phone stores the message in the `Outbox` folder.

Note: The blinking ✉ icon indicates that the message memory is full. Before you can receive or send new messages, delete some of your old messages. See "Erasing a text message" on page 54.

Archive folder and user specified folders

If you want to make sure that certain messages will not be overwritten when the message memory becomes full, or if you want to further organise your messages, you can move some of your messages to the `Archive` folder or you can add new folders under the `Messages` menu and store some of your messages there.

Adding or deleting a folder

To add a folder:

1 Once in the `Messages` menu, press **`Options`**.

2 Press **Navi Roller** when `Add folder` is highlighted.

3 Key in the name of the new folder and press **OK**.

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To delete a folder:

1 Once in the Messages menu, roll to the folder you want to remove, press **Options**.

2 Roll to Remove folder and press **Navi Roller**.

3 Press **OK** at Remove folder?.

Note that when you delete a folder, all the messages contained in that folder will also be deleted.

Moving a text message

1 Once in the Messages menu, roll to the desired folder and press **Navi Roller**, and then roll to the message you want to move and press **Options**.

2 Roll to Move and press **Navi Roller**, and then roll to the desired folder and press **OK**.

Erasing a text message

1 Once in the Messages menu, roll to the folder from which you want to erase one or more messages and press **Navi Roller**.

2 Roll to the message you want to erase, press **Options**.

3 Press **Navi Roller** when Erase is highlighted and then press **OK** at Erase message.

Note: The blinking icon indicates that the message memory is full. Before you can receive or send new messages, delete some of your old messages.

Message settings

Once in the Messages menu, you can access the message settings list by first pressing **Options** and then selecting the option Message settings.

There are two kinds of message settings in your phone, message profile specific settings and settings common to all text messages.

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A message profile is a group of settings needed for sending text messages. The phone uses the settings Message centre number, Messages sent as and Message validity under the Message settings menu as a default message profile if you do not select another set when sending a message.

When you, for example, reply to a text message and select Send or when you write a text message and select Send, the phone automatically uses the default message profile.

You can also send a text message to a fax or to an email address (if supported by your service provider) if you have defined a message profile with proper settings for fax or email transmissions. See also "Special sending options" on page 52.

Settings common to all text messages

The following message settings under the Message settings menu are common to all outgoing text messages, irrespective of the selected set.

Delivery reports
You can request the network to send delivery reports on your text messages (network service). A delivery report is indicated by i in front of the message header.

Reply to you via same centre
This network service allows the recipient of your text message to send you a reply message via your text message centre.

Message profiles[1]

Within the Message profiles submenu of the Message Settings you can change the settings of a particular message profile[2]. Each of the message profiles has its own submenu with the following functions:

---

1 The message profiles menu is only displayed if your SIM card supports more than one set. Each set appears in its own submenu and may have any name.

2 The number of sets depends on how many sets your SIM card offers.

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Message centre number

With this submenu you can store the phone number of the message centre needed for sending text messages.

Messages sent as

For normal text messages, select the option Text, for fax transmission, select the option Fax etc. Note that you can only use the options Fax, E-mail and Paging, if your messaging service offers the facility to convert the text messages into these alternative formats. Contact your service provider for availability of this function.

Message validity

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

Default recipient number

The phone will suggest the number stored under this option as a default number for text message sending when this message profile is selected.

Message profile name

Allows you to rename each message profile.

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8. Phone as your personal assistant

Calendar (Menu 8)

You can use the phone's calendar to keep track of reminders, calls you need to make, meetings and birthdays. You can set the calendar to sound an alarm when it's time for you to make a call or to go to a meeting.

Note: 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.

Calendar views

Day list

Press **Menu**, roll to `Calendar`, and press **Navi Roller** to access the day list.

Day list allows you to roll through the days day by day. For each day, the day list shows the date and the icon for each note type you have set for the day. See "Adding a calendar note" on page 58.

Tip: Pressing **`View`** enters the week list. The week list allows you to roll your calendar week by week. You can also access the week list by pressing **`Options`**, and then rolling to `View by weeks` and pressing **Navi Roller**.

Tip: In the day list and week list, you can quickly jump to a certain date by entering the date by using the number keys. For example, if today is the 9th and you key in 3, the phone jumps to the third day of the following month.

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Day view

Once in the day list, roll to the desired day and press **Navi Roller** to access the day view.

Day view allows you to roll through the notes made for the selected day.

Note view

Once in the day view, roll to the desired note and press **Navi Roller** to enter the selected note.

Note view allows you to view the details of the selected note.

The option list of calendar views include options for making a note, for sending a note via the text message service or via IR, and for printing a note via IR.

The option list for day view and note view includes also options for erasing, editing and moving a note. For notes of type Meeting, Call and Reminder, there is also an option for copying the note to another day and for repeating the note (every day, every week, biweekly or every year).

The Settings option allows you to set the date, time, date format, time format and week format for the calendar. The option Auto erase allows you to set the phone to delete old notes automatically after a specified time. However, the repeat notes (for example, birthday notes) will not be deleted.

Adding a calendar note

1 Once in the Calendar, roll with **Navi Roller** to the desired date.

2 Press **Options**, press **Navi Roller** when Make a note is highlighted.

3 Roll to one of the following note types and press **Navi Roller**. For entering letters and numbers, see page 33.

Meeting ( )
Enter the note and press **OK**. Repeat this with the time.

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`Call` (☎)
Enter the desired phone number (or recall it from the phone book) and press **OK**. Then enter the name and press **OK**. Repeat this with the time.

`Birthday` (🎂)
Enter the person's name and press **OK**, then repeat the same with the date of birth and year of birth (optional). If you enter the year of birth, the note shows the person's age after the name.

`Reminder` (📝)
Enter the note and press **OK**.

4 Roll with **Navi Roller** to the desired alarm option (except for the `Reminder`) and press **Navi Roller**.

The presence of a tone alert is indicated by 🔔 when you view the notes.

When the phone alarms for a note

The phone flashes its lights, beeps, and displays the note (also when the phone is in the `Silent` mode). With a `Call` note on the display, you can call the displayed number by pressing ☎. To stop the alarm and view the note, press **`View`**, to stop the alarm without viewing the note, press **`Exit`**.

Clock (Menu 4-1-2)

The phone is provided with a clock. Within the `Clock` menu (4-1-2). you can set the phone to show the clock, set the time and choose whether the clock uses the 12-hour or 24-hour format.

When the phone is set to show the clock, the current time is shown in the top right of the display when the phone is in the standby mode.

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

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

Alarm clock (Menu 4-1-1)

You can set the phone to alarm at a specified time within the Alarm clock menu (menu 4-1-1). To quickly access this sub-menu, press **Menu**, then roll to Settings and press **Alarm**.

The alarm clock uses the time format set for the clock: 12-hour or 24-hour format. In the standby mode, the indicator in the header line shows that the alarm is set to on. You can switch the phone off and the alarm clock will still work.

When the alarm time expires

The phone sounds an alert tone and the text ALARM! is shown and the phone's lights are flashing.

Press **Stop** to stop the alarm. If you let the phone alarm for a minute or press **Snooze**, the alarm stops for a few minutes and then resumes.

Note: If the alarm time expires while the phone is switched off, the phone starts alerting. If you press Stop, the phone asks whether you want to activate the phone for calls. Press **Yes** to register or **No** 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.

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Calculator (Menu 7)

You can use your phone's calculator to add, subtract, multiply, divide and convert currency.

Note: 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.

Making a calculation

1 Press **Menu**, roll to Calculator, and press **Start** or press **Navi Roller**.

2 With the screen showing a "0", enter the first number in the calculation (press #⇦ for a decimal point).

3 To add, press *+ once (+ appears); to subtract, press *+ twice (-); to multiply, press *+ three times (*); to divide, press *+ four times (/).

Alternatively, press **Options**, roll to Add, Subtract, Multiply or Divide and press **Navi Roller**.

To add a decimal point, press #⇦. To enter a negative number, first key in the number, then press **Options**, roll to Change sign and press **Navi Roller**.

4 Enter the second number.

Then repeat steps 3 and 4 as many times as necessary.

5 For a total, press **Options**, roll to Equals and press **Navi Roller**.

6 To start a new calculation, first press and hold **Clear**.

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

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Making a currency conversion

Setting the exchange rate

1 Once in the Calculator menu, press **Options**.

2 Roll with **Navi Roller** to Exchange rate and press **Navi Roller**.

3 Roll to Foreign unit expressed in domestic units or Domestic unit expressed in foreign units, depending on how you wish to convert the currency, and press **Navi Roller**.

4 Enter the appropriate exchange rate and press **OK** (press #⇦ for a decimal point).

Currency conversion

1 Once you have set the exchange rate, enter the amount to be converted (press #⇦ for a decimal point).

2 Press **Options** roll to either To domestic or To foreign, and press **Navi Roller**.

The phone displays the converted amount.

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9. Games (Menu 6)

Your Nokia 7110 offers you the following 4 games to play with: Snake II, Rotation, Racket and Opposite.

Note: 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 start a new game:

1 Press **Menu**, roll to the Games menu and press **Play**, then roll to the desired game and press **Navi Roller**.

2 In Rotation, Racket and Opposite, select the option New game. In Snake II select the 1-player option.

To start a 2-player game:

You can also play Snake II as a 2-player game via the IR port of your phone with a person who has the same game on a compatible phone. Before starting the 2-player game, ensure that the IR ports of the two phones are pointing at each other (see "Transmitting data via IR" on page 76.)

To start the game the both players should select the option 2-players.

Game options

Use the option Instructions to learn how to play the game.

Use the option Level to choose the difficulty level of the game.

Use the option Top score to check the highest score.

You can pause the game by pressing either selection key and then resume a paused game with the option Continue.

Game settings

You can set the game lights on or off via the Games submenu Settings.

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10. Services (Menu 10)

Your phone supports services based on the Wireless Application Protocol (WAP). The Services menu allows you to access services supported by your network, such as news, weather reports, flight times, dictionaries etc. Within the Services menu you can save addresses of such services as bookmarks and then you can use the services via the Bookmarks option.

Note that the content of each service depends on the content provider of that service. To use such a service, follow the instructions provided by the content provider.

Before being able to use services via your phone, you need to store the required connection settings. Your service provider may send some or all of the required settings to you as an Over The Air (OTA) message.

After saving the settings, you can start using them or you can edit them as described below.

Your phone offers you several connection sets under which you can store the desired connection settings. You can then use the desired connection settings by simply activating the respective connection set.

For each connection set you can store a homepage address. You can quickly access the homepage service of the activated connection set by pressing **Home** when the Services menu is displayed.

Storing or editing connection settings for a connection set and activating a connection set

1 Press **Menu**, roll to the Services and press **Navi Roller**.

2 Roll to Settings and press **Navi Roller**.

3 Press **Navi Roller** when Connection settings is displayed.

4 Roll to the desired connection set and press **Options**.

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5 To activate the connection set, press **Navi Roller** when Activate is highlighted, or roll to Edit and press **Navi Roller** to edit the connection settings of the connection set.

Tip: By selecting the setting Rename, you can rename the connection set name to your personal liking.

6 If you selected Edit, store or edit the desired connection settings.

Homepage	Store the desired homepage address
Connection type	Select Continuous or Temporary
Connection security	Set the connection security on or off. When the connection security is on, the phone tries to use a secure line when a service is activated. If a secure line is not available, the connection will not be made. If you wish to connect anyway, with a non-secure connection, you must set the connection security to off.
Bearer	Select SMS or Data.

When SMS is selected as the bearer, the following settings are available: Server number and Service number.

When Data is selected as the bearer, the following settings are available: Dial-up number, IP address, Authentication type, Data call type, Data call speed, Username and Password.

Saving a homepage address:

For each connection set you can store a homepage address:

1 Press **Menu**, roll to the Services and press **Navi Roller**.

2 Roll to Settings and press **Navi Roller**.

3 Press **Navi Roller** when Connection settings is displayed.

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4 Roll to the desired connection set and press **Options**, then roll to Edit and press **Navi Roller**.

5 Press **Navi Roller** when Homepage is displayed.

6 Key in the homepage address and press **OK**.

Tip: You can quickly connect to the homepage service of the activated connection set by pressing **Home** when the Services menu is displayed.

Saving a service as a bookmark:

1 Press **Menu**, roll to the Services and press **Navi Roller**.

2 Roll to Bookmarks and press **Navi Roller**.

3 Press **Options**, press **Navi Roller** when Add bookmark is highlighted.

4 Enter the address of the desired service and press **OK**. Then enter a title for the service and press **OK**.

Tip: While browsing a service, you can save the service as a bookmark by first pressing **Options** and then selecting Bookmarks, and then pressing **Options** and selecting the option Save as bookmark.

To use a service saved as a bookmark:

1 Press **Menu**, roll to the Services and press **Navi Roller**.

2 Roll to Bookmarks and press **Navi Roller**.

3 Roll to the desired bookmark and press **Navi Roller** to connect to the service.

Note that you can only connect to the services saved as bookmarks that use the connection settings of the activated connection set.

While you are browsing a service, pressing **Options** displays the currently available option list. If you, for example, want to extract numbers from the current service, use option Use number.

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Emptying the cache:

The information or services you have accessed are stored in the cache of the phone. If you have accessed confidential information requiring passwords (for example, your bank account), you may want to empty the cache of your phone.

1 Press **Menu**, roll to the Services and press **Navi Roller**.

2 Roll to Empty cache and press **Navi Roller**.

Security certificates

For using some services, you need a security certificate. After you have downloaded the required security certificate from the Internet, you can view the certificate and then save or erase it. If you save it, the certificate is added to the list of security certificates under the Services menu.

To view the list of security certificates:

1 Press **Menu**, roll to the Services menu and press **Navi Roller**.

2 Roll to Settings and press **Navi Roller**.

3 Roll to Security certificate and press **Navi Roller**.

Note: Accessing a WAP (connectionless) secure session service, the security icon is displayed in the upper left corner of the display. When the security icon is displayed, the data transmission between the phone and the gateway (identified by the IP address in the Connection settings) is encrypted and secure. However, the security icon does not indicate that the data transmission between the gateway and server (place where the requested resource is stored) is secure. It is up to the service provider to secure the data transmission between the gateway and server.

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11. Settings (Menu 4)

Within the Settings menu you can change a number of settings related to the phone's functions and security.

Time settings (Menu 4–1)

See "Alarm clock (Menu 4-1-1)" on page 60.

See "Clock (Menu 4-1-2)" on page 59.

Call settings (Menu 4–2)

Anykey answer (Menu 4–2–1)

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

Automatic redial (Menu 4–2–2)

When the Automatic Redial function is set to on, your phone will make as many as ten attempts to connect the call after an unsuccessful call attempt.

Speed dialling (Menu 4–2–3)

When the Speed dialling function is set to on, the names and phone numbers assigned to the speed dial keys 1 to 9 can be dialled by pressing and holding the corresponding number key. See "Speed dialling" on page 43.

Call waiting service (Menu 4–2–4)

When this network service is activated, the network will notify you of a new incoming call while you have a call in progress. See "Call waiting" on page 23.

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Line for outgoing calls (Menu 4-2-5)

The SIM card may be used with two subscriber numbers i.e. two phone lines. However, this is a network service and the function is only available if your SIM card supports it.

Within this menu, you can select the desired line for making calls. However, calls on both lines can be answered disregarding the selected line.

If you select line 2 and have not subscribed to this network service, you will not be able to make calls. You can lock this menu function from being used by selecting the option Lock from the option list.

Summary after call (Menu 4-2-6)

When you set this function to on, the phone will briefly display the duration and cost (network service) of the last call.

Fax or data call (Menu 4-2-7)

Within this menu, you can make a fax or data call. Before using this function you need to activate the IR port of your phone within the Menu 9 or to connect your phone to a compatible device (for example, a fax machine).

Tip: The Fax, data & voice option allows you to switch from voice mode to data (or fax) mode during a call. To do this, press **Options**, select Voice Mode or Data mode (or Fax mode) and press **OK.**

Own number sending (Menu 4-2-8)

This network service allows you to set your phone number either to be displayed or hidden from the person you are calling. Set by network resets the phone to the default setting, On or Off, that you have agreed upon with your service provider.

Note: The numbering of Summary after call, Fax and data call and Own number sending menus vary. If your SIM card does not support the Line for outgoing calls function, Summary after call is menu 4-2-5, Fax and data call menu 4-2-6 and Own number sending 4-2-7.

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Phone settings (Menu 4-3)

Language (Menu 4-3-1)

This menu allows you to select the language in which the display texts are shown. See "Setting display text language" on page 31.

Cell info display (Menu 4-3-2)

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

Welcome note (Menu 4-3-3)

This menu allows you to write a message that is briefly shown every time the phone is switched on.

Network selection (Menu 4-3-4)

The network can be selected automatically or manually.

In automatic mode the phone automatically selects one of the cellular networks available in your area.

In manual mode the phone will show a list of available networks and you can select the desired network if this network has a roaming agreement with your home network operator. Otherwise the text No Access is displayed and another network must be selected. The phone will stay in manual mode until the automatic mode is selected or another SIM card is inserted into the phone.

Roller function (Menu 4-3-5)

Pressing **Navi Roller** in the standby mode activates the so-called Roller menu. As a default, the Roller menu allows you access to the list of names and numbers stored in the phone book (Phone book).

Within this submenu you can set the Roller menu to allow you access to one of the following:

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Phone book (allows you access to the names and numbers stored in the phone book), Quick menu (allows you quick access the following menus: Messages, Calendar, Profiles, Phone book and Full menu), Speed dials, Dialled numbers, or Profiles.

Confirm SIM service actions (Menu 4-3-6)

See "SIM services" on page 75.

Communication settings (Menu 4-4)

Info service (Menu 4-4-1)

This network service allows you to receive messages on various topics (such as weather or traffic conditions) from your service provider. For available topics and relevant topic numbers, contact your service provider.

By setting this menu to On, you will receive messages on the active topics. You can edit the list of topics, and mark a topic active or inactive.

Topic Index retrieves a list of available topics from the network. By selecting Topics, you can Add in the topics list. Key in the topic number and name. You can also Edit or Erase the topic list.

Select Language to set the language for the messages. Only messages in the selected language are shown.

Tip: You can save info service messages in the Archive folder or in one of the user-specified folders.

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Listen to voice messages (Menu 4-4-2)

When you enter this submenu, the phone automatically calls your voice mailbox at the phone number stored within Menu 4-4-3. Note that the voice mailbox is a network service and you may need to subscribe to it first.

Tip: To quickly call your voice mailbox, press and hold 1 when the display is clear.

Tip: When the display text above the left selection key is **Listen**, press the key to call your voice mailbox number.

Voice mailbox number (Menu 4-4-3)

Within this submenu, you can store and edit your voice mailbox number. Voice mailbox is a network service. For more information and for the voice mailbox number, contact your service provider.

Service command editor (Menu 4-4-4)

From this submenu you can send service requests (also known as USSD commands), for example activation commands of network services, to your service provider. For more information, contact your service provider.

Security settings (Menu 4-5)

Your phone is equipped with a versatile security system to prevent unauthorised use of the phone or the SIM card. See "Security settings"on page 78.

PIN code request (Menu 4-5-1)

Within this menu you can set the phone to ask for the PIN code of your SIM card when the phone is switched on. You need the PIN code to set the request on.

Note: Some SIM cards do not allow the PIN code request to be turned off.

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Call barring service (Menu 4-5-2)

This network service allows you to restrict incoming calls to and outgoing calls from your phone. A barring password is required for using this function.

You can select one of the following call restrictions:

- `Outgoing calls` to bar all outgoing calls
- `International calls` to bar all calls to abroad when in the home country
- `International except to home country` to bar all international calls except to calls to the home country when abroad
- `Incoming calls` to bar all incoming calls
- `Incoming calls when abroad` to bar all incoming calls when abroad

For each of the above settings you can select `Activate`, `Cancel`, or `Check status` (to show barred call types).

Within the submenu `Cancel all barrings` you can cancel all call restrictions.

Note: When calls are barred, calls may be possible to certain emergency numbers in some networks (e.g. 112 or other official emergency number).

Fixed dialling (Menu 4-5-3)

You can restrict your outgoing calls to selected phone numbers, if this function is supported by your SIM card. To save and edit numbers on the list, you need the PIN2 code.

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

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Closed user group (Menu 4-5-4)

This network service specifies the group of people whom you can call and who can call you. `Network default` resets the phone to use a user group the SIM card owner has agreed upon with the service provider. A closed user group is indicated by the icon .

Note: When calls are limited to a Closed user group, calls may be possible to certain emergency numbers in some networks (e.g. 112 or other official emergency number).

Security level (Menu 4-5-5)

This menu allows you to set the phone security level on to avoid unauthorised use of the phone. You need the security code to set the security level. See "Protecting the phone with the security code" on page 79.

Note: When you change the security level, all the recent calls lists are cleared.

Change of access codes (Menu 4-5-6)

With this menu you can change the access codes; security code, PIN code and PIN2 code. These codes may only include the characters 0 to 9. The phone prompts you to enter the current code and the new code. It also prompts you to verify the new code.

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 4-6)

Within this menu you can reset the menu settings to their original values. The security code is needed for this function.

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12. SIM services

In addition to the functions available in the phone, your SIM card may provide additional services that you can access in the menu 11. Menu 11 is shown only if it is supported by your SIM card. The name and contents of the menu depend entirely on the services available.

You can set the phone to show you the confirmation messages sent between your phone and the network when you are using the SIM services by selecting the option Asked within the menu 4-3-6 (Confirm SIM service actions).

For availability, rates and information on using the SIM services, contact your SIM card vendor (for example, network operator, service provider or other third-party vendor).

Note: Accessing these services may involve sending a text message (SMS) or making a phone call for which you may be charged.

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13. Transmitting data

Transmitting data via IR

You can send or receive data such as business cards (names and numbers stored in the phone book) and calendar notes to or from a compatible phone or data device (for example, a computer) via the IR port of your phone.

You can also print business cards and calendar notes. See "Copying and printing via IR" on page 46.

To send or receive data via IR:

1 Ensure that the IR ports of the sending and receiving device are pointing at each other and that there are no obstructions between the devices. The preferable distance between the devices is one meter at the most.

2 When receiving data via IR, activate the IR port of your phone by entering the `Infrared` menu (Menu 9).

3 The user of the sending device then selects the desired IR function to start data transfer.

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

Note: Your phone is a Class 1 Laser Product.

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Checking the Status of an IR Connection

The status of an IR connection is indicated by .

- When is shown continuously, the IR connection is activated and your phone is ready to send or receive data via its IR port.
- When is not shown, no IR connection exists.
- When blinks, your phone is trying to connect to the other device or the IR connection has been lost.

Over The Air (OTA) transmission

You can also send and receive some data such as business cards, calendar notes and group graphics for caller groups via Over The Air (OTA) service if supported by your network. In addition, you can also receive OTA ringing tones and OTA operator logos.

You will receive the data sent to you as a text message. You can then view (or play if you have received a ringing tone), discard or store the data sent to you.

Tip: If you receive a ringing tone via IR or OTA, you can store five personal ringing tones in the ringing tone list.

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14. Security settings

Locking the keypad (keyguard)

With the keypad lock (keyguard) you can temporarily lock your phone's keypad to prevent the keys from being accidentally pressed (for example, when the phone is in your pocket or in your purse).

To lock the keypad:

- Close the sliding cover and press **Lock Keys**. appears at the top of the display.

To unlock the keypad:

- Open the sliding cover.

If you want to lock the keys without closing the slide, first press **Menu** and then press *within three seconds*. To unlock the key pad, press **Unlock** and then within three seconds or press **OK**.

Note: Calls may be possible to the emergency number programmed into your phone (e.g. 112 or other official emergency number).

Protecting the SIM card with the PIN code

You can protect your SIM card by setting the phone to ask for your PIN code every time the phone is switched on. To do this, you need to set the menu function PIN code request (menu 4-5-1) to On.

The PIN code is usually supplied with the SIM card. If not, contact your service provider. You can change your PIN code in the Change of access codes menu (4-5-6).

Note: If you enter an incorrect PIN code three times in succession, the SIM card is blocked and you need to enter the PUK code to unblock the SIM card. See "Access codes".

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Protecting the phone with the security code

You can protect your phone against unauthorised use with the security code (security code). To do this, you need to set the menu function Security level (4-5-5) to Phone or Memory.

- When set to Phone, the phone will ask for the security code whenever a new SIM card is inserted into the phone. When set to Memory, the security code is required to enter the phone's internal phone book.

The security code is also required for using some functions, for example, to clear a the phone book or to restore the factory settings.

The security code is usually supplied with the phone (on an identification sticker). If not, contact your local dealer.

The factory setting for the security code is 12345. Change the code within the menu 4-5-6 Change of access codes. Keep the new code secret and in a safe place which is separate from the phone.

Note: If you enter an incorrect security code five times in succession, the phone is blocked and will not accept the correct security code for the next five minutes.

Tip: You can also restrict calls made from or to your phone if supported by your network. See also Call barring service (4-5-2), Fixed dialling (4-5-3) and Closed user group (4-5-4) in the Settings chapter.

Access codes

The access codes that can be used to protect your phone and SIM card against unauthorised use. Some of the access codes are also required for using some functions. The access codes (except PUK and PUK2 codes) can be changed by using the menu 4-5-6. See "Security settings (Menu 4-5)" on page 72.

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Security code (5 digits)

See "Protecting the phone with the security code" on page 79.

PIN code (4 to 8 digits)

See "Protecting the SIM card with the PIN code" on page 78.

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 a succession, you cannot use the functions requiring the PIN2 code before entering 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 enter an incorrect PUK code ten times in succession, the SIM card becomes invalid. Contact your service provider for a new card.

PUK2 code (8 digit)

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

If you enter an incorrect PUK2 code ten times in succession, you cannot use the functions requiring the PIN2 code. To use the functions, contact your service provider for a new card.

Barring password

The barring password is needed for using the `Call barring service` menu (4-5-2). Contact your service provider for the password.

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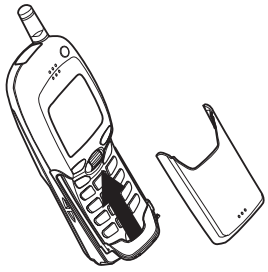
15. Reference information

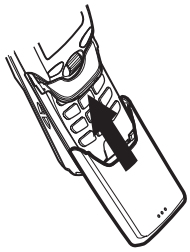
Re-attaching the slide

If the plastic part of your phone's slide accidentally comes off, re-attach it as described below:

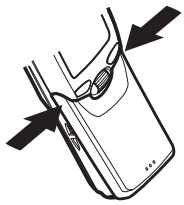
1 Slide the metal part of the slide up the body of the phone until it locks into place.



2 Attach the plastic part of the slide back to the phone (along the grooves on the sides) and slide it up the body of the phone until its locks into place.



3 Press the top part of the slide from both sides to ensure that the two parts of the slide are properly attached.



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Using batteries and chargers

For charging and recharging your phone battery, see Charging the battery on page 10.

- Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer.
- 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 stand-by 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, discharge the NiMH battery from time to time by leaving your phone switched on until it turns itself off (or by using the battery discharge facility of any approved accessory available for your phone). Do not attempt to discharge the battery by any other means.
- 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.
- Use the battery only for its intended purpose.
- Never use any charger or battery that 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.

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- 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 (59 F) and 25°C (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). The performance of Li-Ion batteries is particularly limited in temperatures below -0°C (32 F).
- Batteries must be recycled or disposed of properly. They must not be disposed of in municipal waste.
- Do not dispose of batteries in fire!

Accessories and Batteries

This apparatus is intended for use when supplied with power from ACP-7, ACP-8, LCH-9, DCH-8 and DCH-9. Other usage will invalidate any approval given to this apparatus and may be dangerous. For availability of approved accessories, please check with your dealer.

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

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

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 that road safety always comes first!

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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.).

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 (or 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 pacemaker:

- 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.

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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.

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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 and 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 wireless service providers.

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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 above right selection key, press ☎ once to clear the display.

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 (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 wireless 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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Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfil any warranty obligations and to enjoy this product for many years. 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 them to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

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