

User's Guide for Nokia 3108

List of menu functions

1. Messages



1. Text messages
2. Multimedia msgs.
3. Chat
4. Voice messages
5. Info messages
6. Message settings
7. Service commands

2. Call register



1. Missed calls
2. Received calls
3. Dialed numbers
4. Delete recent call lists
5. Call duration
6. Call costs
7. GPRS data counter
8. GPRS connection timer

3. Contacts



1. Search
2. Add contact
3. Delete
4. Copy
5. Settings
6. Speed dials
7. Info numbers¹
8. Service numbers¹
9. My numbers²
10. Caller groups²

4. Profiles



1. General
2. Silent
3. Meeting
4. Outdoor
5. Pager

5. Settings



1. Right selection key settings
 1. Select options
 2. Organise
2. Screen saver
3. Time and date settings
 1. Clock
 2. Date
 3. Auto-update of date & time
4. Call settings
 1. Call divert
 2. Anykey answer
 3. Flip call handling
 4. Automatic redial
 5. Speed dialling
 6. Call waiting
 7. Summary after call
 8. Send my caller ID
 9. Line for outgoing calls³
5. Phone settings
 1. Phone language
 2. Automatic keypad
 3. Recognition time-out
 4. Cell info display

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

2. If Info numbers or Service numbers is not supported, or, if neither is supported, the number of this menu item changes accordingly.

3. Shown if supported by your SIM card and network services. Contact your network operator or service provider for more information.

- 5. Welcome note
- 6. Operator selection
- 7. Confirm SIM service actions
- 8. Help text activation
- 9. Start-up tone
- 6. Display settings
 - 1. Wallpaper
 - 2. Colour schemes
 - 3. Operator logo
 - 4. Display brightness
- 7. Tone settings
 - 1. Incoming call alert
 - 2. Ringing tone
 - 3. Ringing volume
 - 4. Vibrating alert
 - 5. Message alert tone
 - 6. Keypad tones
 - 7. Warning tones
 - 8. Alert for
- 8. Enhancement settings¹
- 9. Security settings
 - 1. PIN code request
 - 2. Call barring service
 - 3. Fixed dialling
 - 4. Closed user group
 - 5. Security level
 - 6. Access codes
 - 1. Change security code
 - 2. Change PIN code
 - 3. Change PIN2 code
 - 4. Change barring password
- 10. Restore factory settings
- 6. Alarm clock**



7. Gallery

- 1. View folders
- 2. Add folder
- 3. Delete folder
- 4. Rename folder
- 5. Gallery downloads



8. Calendar



9. Games



- 1. Select game
- 2. Game downloads
- 3. Memory
- 4. Settings

10. Applications



- 1. Select application
- 2. App. downloads
- 3. Memory

11. Extras



- 1. Calculator
- 2. Stopwatch

12. Services



- 1. Home
- 2. Bookmarks
- 3. Download links
- 4. Service inbox
- 5. Settings
- 6. Go to address
- 7. Clear the cache

13. SIM services²



1. Shown only if the phone is or has been connected to a compatible headset, handsfree unit or loopset approved by the manufacturer.

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

DECLARATION OF CONFORMITY

We, NOKIA CORPORATION declare under our sole responsibility that the product RH-6 is in conformity with the provisions of the following Council Directive: 1999/5/EC. A copy of the Declaration of Conformity can be found from http://www.nokia.com/phones/declaration_of_conformity/.

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FOR YOUR SAFETY

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



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



ROAD SAFETY COMES FIRST

Don't use a hand-held phone while driving.



INTERFERENCE

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



SWITCH OFF IN HOSPITALS

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



SWITCH OFF IN AIRCRAFT

Wireless devices can cause interference in aircraft.



SWITCH OFF WHEN REFUELLING

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



SWITCH OFF NEAR BLASTING

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



USE SENSIBLY

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



QUALIFIED SERVICE

Only qualified personnel may install or repair phone equipment.



ACCESSORIES AND BATTERIES

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



CONNECTING TO OTHER DEVICES

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



BACKUP COPIES

Remember to make backup copies of all important data.



WATER-RESISTANCE

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



CALLING

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



EMERGENCY CALLS

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

Network services

The wireless phone described in this guide is approved for use on the EGSM 900, GSM 1800 and GSM 1900 network.

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

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



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

Chargers and enhancements

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from ACP-7, ACP-12, LCH-9 and LCH-12 chargers. Note the specific model number of a charger varies with different type of plug. For example, for ACP-12, the specific model number can be ACP-12C, ACP-12U or ACP-12X, etc.



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 may invalidate any approval or warranty applying to the phone, and may be dangerous.


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

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

General information

■ Stickers in the sales package

The stickers contain important information for services and customer support.

Attach the  sticker to the Your details page in this User's guide.

■ Access codes

- **Security code (5 to 10 digits):**
The security code may protect your phone against unauthorised use. It is supplied with the phone, and the default code is 12345.

Change the code, and keep the new code secret and in a safe place separate from your phone.

To change and use the code, see "[Security settings](#)" on page 48.

- **PIN code and PIN2 code (4 to 8 digits):**

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

To set the phone to request the PIN code each time the phone is switched on, see "[Security settings](#)" on page 48.

The PIN2 code may be supplied with the SIM card. You need the code to access some functions, such as charging unit counters.

If you key in an incorrect PIN code three times in succession, the phone may display *PIN blocked* and ask you to enter the PUK code. Contact your service provider to obtain the PUK code.

- **PUK and PUK2 code (8 digits):**
The PUK (Personal Unblocking Key) code is required to change a blocked PIN code. The PUK2 code is required to change a blocked PIN2 code.

If the codes are not supplied with the SIM card, contact your local service provider for the codes.

- **Barring password (4 digits):** The barring password is needed when using the *Call barring service*, see "[Security settings](#)" on page 48. You can obtain the password from your service provider.

- **Signing PIN:** The signing PIN is needed for the digital signature. See "[Digital signature](#)" on page 67. The signing PIN is supplied with the SIM card if the SIM card has a security module in it.

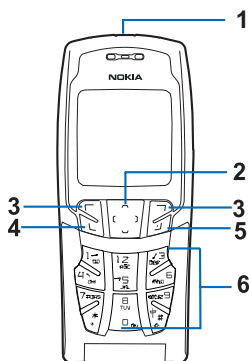
If you key in an incorrect PIN code several times, the phone may display *PIN code blocked* and ask you to key in the PUK code. Contact your service provider to get the PUK code.

■ Shared memory

The following features in this phone may use shared memory: phone book, text messages and multimedia messages, images and ringing tones in gallery, calendar and Java games and applications. Using any of these features may consume the shared memory. This is especially true with heavy use of any of the features, although some of the features may have a certain amount of memory specially allocated to them in addition to the shared memory. For example, saving many images, or Java applications, may take all the shared memory. In this case your phone may notify you that the memory is full. You need to delete some of the contents or entries using shared memory before continuing.

1. Your phone

■ Keys







1. Power key



Switches the phone on and off.

When the keypad is locked, pressing the power key briefly turns the phone's display lights on for about 15 seconds.

2. 4-way scroll keys





, ,  and 

Use the keys to scroll through names, phone numbers, menus, and settings, or move the cursor or highlight in text editing.

When in call or audio application, press  to decrease the volume of the call or application, press  to increase the volume.



Tip: In standby mode, press the scroll keys to quickly access some functions:

- Press  to create a text message.
- Press  to open *Calendar*.
- Press  and  to open your phone book.

3. Selection keys and


The function of the keys depends on the text shown above the keys in the display.

4. Send key

- Dials a phone number.
- Answers a call.
- In standby mode, press it to list the most recently dialled numbers.

5. ends an active call. Exits from any function.

6. - are used to enter numbers and characters.

* and  # are used for various purposes in different functions.

■ Functions of the flip cover

Your phone has a flip cover. Opening and closing the flip cover affects basic voice call handling and text input method.



Note that the keys on the flip cover work only when the flip cover is properly closed.

- Answer or end a voice call

You can customise the function of the flip cover with respect to voice call handling in *Settings, Call settings, Flip call handling*. Refer to "[Flip call handling](#)" on page 43.

- Change text input method

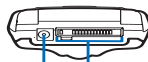
When you need to input text, open the flip cover to use handwriting input method, close the flip cover to use keypad input method. Further instructions about the handwriting input method start on page 14.

Note it is recommended that always keep the flip cover closed when you are not writing or using it to for calls.

■ Stylus and touch pad

The stylus is in the slot of the back cover, and the touch pad is under the flip cover of the phone. You can write with the stylus on the touch pad to input text. For information on how to input text with the stylus, see "[Handwriting input method](#)" on page 14.

■ Connectors

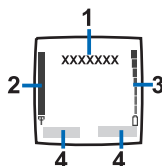


1 2

1. Charger connector
2. Pop-Port™ connector for the headset and the data cable.

■ Standby mode

When the phone is ready for use, and you have not keyed in any characters, the phone is in standby mode.



1. The current operator's logo (network service).
2. Signal strength: the higher the bar, the stronger the signal.

3. Battery charge level: the higher the bar, the more power in the battery.
4. Selection key functions.

You can customise the function of the right selection key in the standby mode in *Settings, Right selection key settings*. See also "Right selection key" on page 41.

Screen saver

If you have set the screen saver on, the phone automatically activates an animation or still image as screen saver after a pre-set period of time in standby mode. You can also customise the time after which the phone activates the screen saver. Please refer to "Screen saver settings" on page 42.

Independent of the screen saver settings, for power saving, a digital clock view will overwrite the whole display when for a certain time no function of the phone has been used.

Note that if you have not set the time, 00:00 is displayed. You can set the time in *Settings, Time and date settings*.

The screen saver cannot be activated when the flip cover of the phone is open.

Wallpaper

You can set your phone to display a background image, wallpaper, when the phone is in standby mode. You can choose a wallpaper in *Settings, Display settings, Wallpaper*. See also "Wallpaper" on page 46.

Essential indicators in standby mode



You have received one or several text or picture messages. See "Read and reply to a message" on page 25.



You have received one or several multimedia messages. See "Reading and replying to a multimedia message" on page 29.



You have received one or several voice messages. See "Voice messages" on page 31.



The phone's keypad is locked. See "Keypad lock (Keyguard)" on page 8.



The phone does not ring for an incoming call or message when *Incoming call alert* is set to *Off* and *Message alert tone* is set to *Off*. See "Tone settings" on page 47.



The alarm clock is set to *On*. See "[Alarm clock \(Menu 6\)](#)" on page 49.



The stopwatch is running in the background. See "[Stopwatch](#)" on page 58.





A GPRS connection is established.



The GPRS connection is suspended (on hold), for example if there is an incoming or outgoing call during a GPRS dial-up connection.



All your calls are diverted to another number, *Divert all voice calls*. If you have two phone lines, the divert indicator for the first line is  and for the second line . See "[Call divert](#)" on page 43.

1 or 2 If you have two phone lines, the indicator displays the selected phone line. See "[Line for outgoing calls](#)" on page 44.



The loudspeaker has been activated, see "[Loudspeaker](#)" on page 13.



Calls are limited to a closed user group. See "[Security settings](#)" on page 48.



The timed profile is selected. See "[Profiles \(Menu 4\)](#)" on page 41.



A headset, handsfree, or loopset, is connected to the phone.

To enable the phone to show the time and date in standby mode, see "[Clock](#)" and "[Date](#)" on page 42.

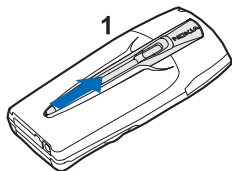
2. Getting started

■ Remove and mount the back cover

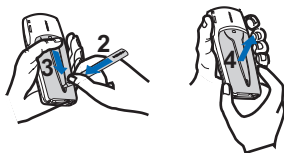
There are two different back covers in your sales package. One is with the stylus holder to carry the stylus, the other is flat. You can choose which one to use. Below are instructions on how to remove and mount the two kinds of back covers.

For cover with stylus holder

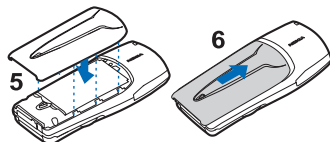
1. Slide the stylus toward the top end of the phone to remove (1).



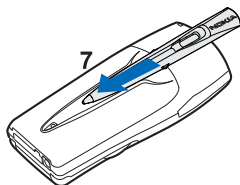
2. Press down the back cover release button with the stylus (2), and slide the back cover slightly toward the bottom end of the phone (3). Lift the back cover to remove (4).



3. Position the back cover as shown in the illustration (5). Slide the back cover toward the top end of the phone to lock (6).

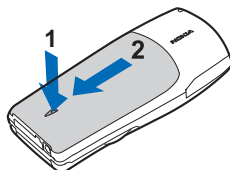


4. Slide the stylus toward the bottom end of the phone until it reaches the end of the slot (7).

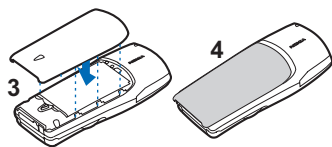


For flat cover

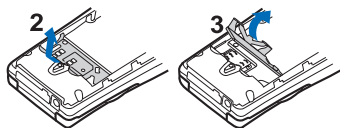
1. Press the back cover release button (1), slide the back cover slightly toward the bottom end of the phone (2), and lift the back cover to remove.



- Position the back cover as shown in the illustration (3). Slide the back cover toward the top end of the phone to lock. (4).



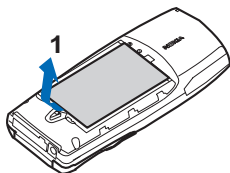
- Carefully lift the SIM card holder from the finger grip of the phone with your finger (2). Flip cover the holder open (3).



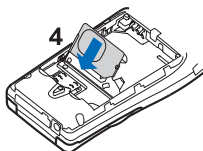
■ Install the SIM card and the battery

- Keep all miniature SIM cards out of the reach of small children.
- The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.
- Before installing the SIM card, always make sure that the phone is switched off and disconnected from the charger or any other devices, and then remove the battery.

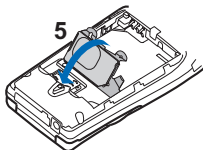
- Lift the battery up from the finger grip on the phone with your fingers (1) to remove.



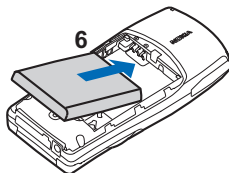
- Insert the SIM card into the slot of the SIM card holder, bevelled corner first and golden contact facing out (4).



- Close the SIM card holder (5) and press it to lock.

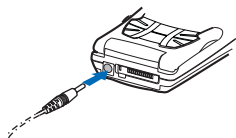


- Position the battery so the golden contacts match up with those on the phone. Insert the battery (6).



■ Charging the battery

1. Connect the plug from the charger to the socket on the bottom of the phone.



2. Plug the charger to a standard AC outlet.

- After a few seconds, the battery indicator on the display starts to scroll from bottom to top.
- When the battery is about full, the bar in the display stops scrolling.
- Charging time depends on the charger and battery.

3. Disconnect the charger from the AC outlet and the phone once charging is complete.



Note: You can use the phone while the battery is charging. However, if the battery is completely empty, it may need to charge a few minutes before you can make or receive calls or before the battery indicator appears.

■ Switching the phone on and off

Press and hold the power key.

Note that if the phone displays *Insert SIM card* even though the SIM card is properly inserted, or *SIM card not supported*, contact your network operator or service provider. Your phone does not support 5 Volt SIM cards and the card may need to be changed.



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




TIPS ON EFFICIENT OPERATION: Your phone has a built-in antenna. As with any other radio

transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed. Not touching the antenna area during a phone call optimises the antenna performance and the talktime of your phone.



■ Access menu functions

By scrolling

1. To access the menu, press **Menu**.
2. Scroll with  or  through the menu and select, for example, *Settings* by pressing **Select**.
3. If the menu contains submenus, select the one you want, for example *Call settings*.
4. If the selected submenu contains further submenus, repeat step 3. Select the next submenu, for example *Anykey answer*.
5. Select the setting of your choice.
6. Press **Back** to return to the previous menu level, and **Exit** or  to exit the menu.

By using a shortcut

You can access most of the menus, but not all, by using the shortcut.

The menus, submenus and setting options are numbered. To access a menu using the shortcut, in standby mode, press **Menu**, and within two seconds, key in the first number of the menu you want to access. Keep going until you've entered all the numbers.

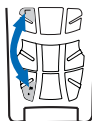
For example, to enter *Anykey answer*, press Menu 5-4-2 (*Settings-Call settings-Anykey answer*).

■ Help text

Most of the menu functions have brief help texts. To view the help text, scroll to the menu, pause for about 15 seconds. To exit the help text, press **Back**. See more in ["Help text activation"](#) on page 46.

■ Keypad lock (Keyguard)

You can lock the keypad to prevent accidental key presses.



Lock the keypad

- In standby mode, press **Menu** and then ***** within 1.5 seconds.
- You can also activate the automatic keypad lock. If the phone is in standby mode for the preset period of time, the keypad is locked automatically. Refer to ["Automatic keyguard"](#) on page 45.


To handle calls when the keypad is locked, refer to ["Handle incoming calls when keypad is locked"](#) on page 9.

Unlock the keypad

You can unlock the keypad by:


- Pressing **Unlock** and then *
+ within 1.5 seconds.
- Or opening the flip cover of the phone.

Handle incoming calls when keypad is locked

You can answer an incoming call by pressing  when the keypad is locked.

When you end or reject the call, the keypad is automatically locked again.



Note: When The keyguard is on, calls may be possible to the emergency number programmed into your phone (e.g. 112, 911, or other official emergency number). Key in the emergency number and press . The number is displayed only after you have keyed in its last digit.

Put on the wrist strap

Thread the strap as shown in the picture and then tighten it.





3. Call functions

■ Make a call


1. Key in the phone number, or get it from your phone book (See ["Search for a name in the phone book"](#) on page 38).

For international calls¹, press * twice for the international prefix (the + character replaces the international access code²) and then key in the country code, the area code without the leading 0, if necessary, and the phone number.

2. Press  to call the number.
3. Press  to end the call or to cancel the call attempt.


■ Answer a call

You can answer an incoming call through the following ways:

- Press .
- Open the flip cover of the phone to answer a voice call. Refer to ["Flip call handling"](#) on page 43.

- Press **Silence** to mute the ringing tone. Then press **Options**, and select **Answer** to answer the call.
- When a compatible headset is connected to the phone, press the button on the headset to answer the call.


■ Reject a call

- Press .
- Press **Silence** to mute the ringing tone. Then press **Options**, and select **Reject** to reject the call.



Tip: If the **Divert if busy** function is activated, rejecting a call will also divert the call. Refer to ["Call divert"](#) on page 43.

■ End a call

- Press .
- Close the flip cover of the phone to end a voice call. Refer to page 43.

1. Note that some calls between the regions of one country (for example, in China between mainland provinces and Hong Kong Special Administrative Region) are also considered international calls.

2. Depending on your operator, you may still be able to use the international access code (network services).

■ Call your voice mailbox (network service)

In standby mode

- Press and hold 1_{ABC} , or
- Press 1_{ABC} , and then L .

Enter the voice mailbox number if the phone asks for it. See also "Voice messages" on page 31.

■ Redial recently dialled numbers

1. In standby mode, press L .
A list of recently dialled numbers (up to 20) is displayed.
2. Scroll to the number or name you want.
3. Press L to call the number.



Tip: In standby mode, press L twice to redial the last number you dialled.

For more about recently dialled calls, refer to "Call register (Menu 2)" on page 34.

To set automatic redial, see "Automatic redial" on page 44.

■ Speed dial a phone number

Before you can use speed dialling, assign the phone number to one of the speed dialling keys, from 1_{ABC} to 9_{WXYZ} , see "Speed dials" on page 39. Call the number in either of the following ways:

- Press the speed dialling key you want and then press L .
- Or,
 1. Set *Speed dialling* which is under *Settings, Call settings* to on. See also "Speed dialling" on page 44.
 2. Press and hold the speed dialling key until the call is started.

■ In-call options

Many of the options during a call are network services. Pressing **Options** during a call may give some of the following options (may not be in the same order as in the phone):

Mute or Unmute, End call, End all calls, Contacts, Menu, Hold or Unhold, New call, Conference, Private, Answer, Reject, Lock keypad, Send DTMF, Swap, Transfer, and Loudspeaker or Handset.

Make a new call

When you have an ongoing call, you may be able to make a new call by pressing **Options**, then select *New call* (network service).


When the new call is active, the original call is put on hold.

Handle a waiting call

After you activate the *Call waiting* function in your phone, you may be able to receive another call when you have an ongoing call (network service).

Call waiting is under *Settings, Call settings*. See also "Call waiting" on page 44.

To answer the waiting call


- Press .
- Press **Answer** if it's available.
- Press **Options**, and select *Answer*.

When the waiting call is active, the original call is on hold.

To reject the waiting call

- Press **Options**, and select *Reject*.
- Press **Reject** if available.



Tip: Press  to end the active call.

■ Swap calls (network service)

When you have an active call and a held call, you may be able to switch their call status by pressing **Options**, and select *Swap*. Then the held call is active, and the previously active call is put on hold.

■ Transfer calls (network service)

When you have an active call and a held call, you may be able to connect the other two parties by pressing **Options**, and select *Transfer*. Then your call with either party is ended.


■ Make a conference call

Conference calling is a network service. It allows up to six people to take part in a call.

1. Call the first participant.
2. To call a new participant, press **Options** and select *New call*.
3. Enter, or find from the phone book, the phone number of the new participant, and press **Call**. The first call is put on hold.
4. When the new call is answered, join the first participant to the call by pressing **Options**, and select *Conference*.

Alternatively, the second participant can call you after you have established a call with the first participant.

5. To add a new participant to the conference call, repeat steps 2 to 4.

6. To have a private conversation with one of the participants:
Press **Options**, select *Private* and select the desired participant. Rejoin the conference call as described in step 4.
7. To end the conference call, press .

■ Answering or Ending a call with the flip cover

You can answer or end a call with the flip cover. For more information, please see also "[Functions of the flip cover](#)" on page 2 and "[Flip call handling](#)" on page 43.

■ Loudspeaker

You can turn on the loudspeaker during a call.



Important: Do not hold the phone to your ear during loudspeaker operation.

- To activate the loudspeaker, press **Options** and select *Loudspeaker*, or press **Loudsp.**, if available.
- To deactivate the loudspeaker during a call, press **Options** and select *Handset*, or press **Handset**, if available.


If you have connected a compatible handsfree or headset to the phone, *Handset* in the options list is replaced with *Handsfree* or *Headset* and the selection key **Handset** with **Handsfr.** or **Headset**, respectively.

The loudspeaker is automatically deactivated when you end the call, or when you connect the handsfree unit or headset to the phone.

4. Handwriting input method

When you want to send a text message, make a note, add a name to the phone book, this phone provides two different types of input methods:

- keypad input method: using the keypad for inputting. For more information please see "[Keypad input methods](#)" on page 20.
- handwriting input method: using the stylus for handwriting inputting. This chapter illustrates how to use handwriting input method.

When the flip cover is open, handwriting input is indicated by  in your phone.

Note that handwriting input is available when the flip cover is open and the handwriting input indicator is displayed on the upper left corner of the screen. However, under some circumstances, for example, in certain operations for searching a name in [Contacts](#), handwriting input method maybe available even though the handwriting input indicator is not displayed. You may not be able to use handwriting input methods anywhere you can input with keys. For example,

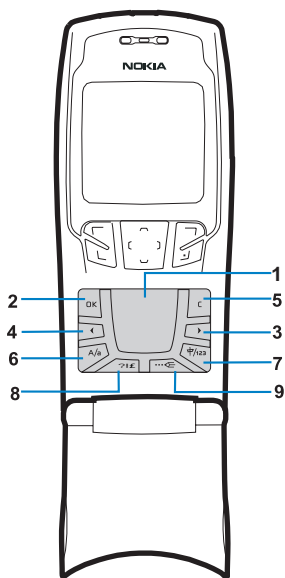
- You must use the keypad to input any password-type of information, such as the PIN code, PUK code, Security code, Barring code, and the password in certain functions and applications.
- You can not enter a number with handwriting input while the phone is in standby mode, or in calculator.
- You can not input time and date with handwriting input.



Important: Use only a stylus that has been approved by Nokia to be used in connection with this device. Using other stylus may invalidate any warranty applying to the phone and may damage the touch pad. Avoid scratching the touch pad. Never use an actual pen or pencil or other sharp objects to write on the touch pad.

■ Writing with the stylus

When you want to enter text, open the flip cover of the phone to activate the touch pad, then write gently in the middle of the touch pad with the stylus.



The middle of the touch pad is the writing area (1). Surrounding the writing area are eight functional keys (2-9). Tap the functional keys with the stylus for the relevant functions when necessary.

The phone provides a list of seven candidate characters or letters based on the strokes you write. In addition, when you are writing Chinese text, the phone can also provide a list of predicted Chinese characters based on the Chinese character to the left of the cursor when you tap **...<**.

The following sections in this chapter describe many important

concepts and methods, such as why and how to change the input mode, what is recognition time out, use of gestures during writing, etc.. Please read them carefully in order to use the handwriting input method efficiently.

1. Write in this box with the stylus.
2. **OK** functions as the left selection key (**⏮**).
3. **C** functions as the right selection key (**⏭**).
4. **⏮** functions as **[**.
5. **⏭** functions as **]**.
6. Tap **A/a** to switch to **ABC** or **abc** input mode.
7. Tap **123** to switch to **中文** or **123** input mode.
8. Tap **?!'** to list punctuation marks and symbols. Tap **?!'** twice to open a list of smileys.
9. When entering Chinese text, tap **...<** to get a list of predicted Chinese characters based on the Chinese character to the left of the cursor or the highlighted character. Note predictive input is only available when you are inputting Chinese



Tip: If the highlighted candidate character or letter in the candidate list (not the predicted list) is what you want, you can continue writing. The phone inputs the character automatically.





■ Handwriting input modes




Different handwriting input modes are available in your phone for entering different types of text. This narrows down the recognition scope for each mode and thus enable

increased accuracy and speed of recognition.

The strokes are recognised only as the type of text pertaining to the mode. Different recognition scopes in different mode are described in the following table.

Input mode indicator and recognition scope

Mode	Indicator	Recognition scope
Simplified Chinese ^a		<ul style="list-style-type: none"> Simplified Chinese characters. Some frequently used full-width punctuation marks and symbols, for example: 、 。 ! “ ” , : ; ?
Traditional Chinese ^b		<ul style="list-style-type: none"> Traditional Chinese characters. Some frequently used full-width punctuation marks and symbols.
Upper case		<ul style="list-style-type: none"> Capital English letters. Some frequently used half-width punctuation marks and symbols, for example: @ / ! " ' , . : ; ?
Lower case		<ul style="list-style-type: none"> English letters in lower case. Some frequently used half-width punctuation marks and symbols.





Mode	Indicator	Recognition scope
Number		Different recognition scope in different context, for example: <ul style="list-style-type: none"> • In the context of entering text: some frequently used half-width punctuation marks and symbols in addition to numbers. • In the context of entering phone numbers: *, +, p, w, # in addition to numbers. • In the context of entering IP addresses: Dot (.) and numbers.
Full-width punctuation marks & symbols		Full-width punctuation marks and symbols
Half-width punctuation marks & symbols		Half-width punctuation marks and symbols

- Available only in phones sold to mainland China, and certain markets other than China Hong Kong SAR and China Taiwan.
- Available only in phones sold to China Hong Kong SAR, and China Taiwan.

Note that the character set in your phone does not include all the characters in Chinese and that you may not find all the characters you want.

Switching between handwriting input modes

You can switch between handwriting input modes in two ways:

- Tap the corresponding touch-key with the stylus to switch to , , , or . Note under some circumstances not all the modes are available.
- Press **Options** if it is available, and select the desired mode from the list.

■ Recognition timeout



Recognition timeout is the maximum interval time allowed between two strokes input when writing a character or letter. Every time you finish a stroke and lift the stylus from the touch pad, the phone begins to count time. If you do not write the next stroke within the timeout, it's considered that you have finished writing the character or letter, and the phone begins to recognise the strokes, and displays a list of candidates.



The default recognition timeout setting is *Normal*. If you want to




write faster or slower, you can change the timeout in *Settings*, *Phone settings*, *Recognition time-out*. Refer to "Recognition time-out" on page 45.

■ Use gestures

You can write several gestures for certain functions.

The gestures include: Space, Enter, Clear, and Repeat. See the table below. You can use  (Repeat) only in  mode, but other gestures in all handwriting input modes.

Name	Gesture	Functions
Space		<ul style="list-style-type: none"> When the cursor is blinking in the editing window, writing the gesture inserts a space to the left of the cursor. When the candidate list is shown, writing the gesture inputs the highlighted candidate and inserts a space after it. When the list of predicted Chinese candidates is shown, writing this gesture clears the list and inserts a space to the left of the cursor in the editing window.
Enter		<ul style="list-style-type: none"> When the cursor is blinking in the editing window, writing the gesture inserts a line feed. When the candidate list is shown, writing the gesture inputs the highlighted candidate and inserts a line feed. When the list of predicted Chinese candidates is shown, writing this gesture clears the list and inserts a line feed.









Name	Gesture	Functions
Clear		<ul style="list-style-type: none"> When the cursor is blinking, writing the gesture deletes the Chinese character, English letter, number, or punctuation mark or symbol to the left of the cursor. When the list of candidates or predicted Chinese candidates is shown, writing the gesture clears the list and deletes the Chinese character, English letter, number, or punctuation mark or symbol to the left of the cursor.
Repeat		<p>You can only use the stroke when the input method is .</p> <ul style="list-style-type: none"> After you have just input a Chinese character, writing the gesture inputs the same Chinese character again. When the list of the candidate Chinese characters is shown, writing the gesture inputs the highlighted Chinese candidate twice. When the list of the predicted Chinese candidates is shown, writing the gesture ignore the list and inputs Chinese character to the left of the cursor again. <p>Note this gesture only works with Chinese characters.</p>

■ Touch pad tone

A tone sounds when you press the stylus on the touch pad to start writing a stroke, or tap the functional keys with the stylus. You can set the level tone together with the keypad tone in *Settings, Tone settings, Keypad tones*. Refer to "Tone settings" on page 47.

5. Keypad input methods

You can key in text, for example, when writing messages, using traditional or predictive English input.



When you are writing text, the predictive English input is indicated by  and the traditional English input by  at the top left of the display. The character case is indicated by , , or  next to the text input indicator. You can change the character case by pressing #. The number mode is indicated by , and you can change between the letter and number mode by pressing and holding #.

■ Setting predictive English input on or off

When writing text, press **Options** and select *Dictionary*.







- To set the predictive English input on, select *English* in the dictionary options list. Predictive text input is only available for the languages on the list.
- To revert to traditional English input, select *Dictionary off*.












Tip: To quickly set the predictive English input on or off when writing text, press # twice, or press and hold # **Options**.

■ Using predictive English input

You can key in any letter with a single keypress. The predictive English input is based on a built-in dictionary to which you can also add new words.


1. Start writing a word using the keys   to    . Press each key only once for one letter. The word changes after each keystroke.



Example: To write **Nokia** when the English dictionary is selected, press  ,  ,  ,  and  .

To insert a number while in letter mode, press and hold the desired number key.

More instructions for writing text, see "[Tips for writing text](#)" on page 21.

2. When you have finished writing the word and it is correct, confirm it by adding a space with  or by pressing any of the scroll keys. Pressing a scroll key also moves the cursor.

If the word is not correct, press ***+*** repeatedly or press **Options** and select **Matches**. When the word you want appears, confirm it.


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**, key in the word (traditional English input is used) and press **Save**. When the dictionary becomes full, the new word replaces the oldest one that was added.

3. Start writing the next word.


Writing compound words

Key in the first part of the word and confirm it by pressing **]**. Write the last part of the word and confirm the word.

■ Using traditional English input

Press a number key, **1**  to **WXYZ**, repeatedly until the desired character appears. Not all characters available under a number key are printed on the key. The characters available depend on the language selected in the *Phone language* menu, see "Language" on page 45.


To insert a number while in letter mode, press and hold the desired number key.

- If the next letter you want is located on the same key as the present one, wait until the cursor appears, or press any of the scroll keys and then key in the letter.
- The most common punctuation marks and special characters are available under the number key **1** .

For more instructions for writing text, see "Tips for writing text" on page 21.

■ Tips for writing text

The following functions may also be available for writing text:






- To insert a space, press **[]** .
- To move the cursor to the left, right, down or up, press the scroll keys **[,]**, **[<]** or **[>]**, respectively.
- To delete a character to the left of the cursor, press **Clear**. Press and hold **Clear** to delete the characters more quickly.

To delete all the characters at once when writing a message, press **Options** and select **Clear text**.

- To insert a word when using the predictive English input, press **Options** and select *Insert word*. Write the word using the traditional English input and press **Save**. The word is also added to the dictionary.
- When using the traditional English input, press ***** to access a list of special characters. When using the predictive English input, press **Options** and select *Insert symbol* to access a list of special characters or press and hold ***** to access a list of special characters.

When the list of special characters is displayed on your phone, you may open a list of smileys by pressing *****. Or, when writing text, press **Options** and select *Insert smiley* to open a list of smileys.

Press any of the scroll keys to scroll to a character or smiley and press **Use** to select the character or smiley.

You can also scroll to a character by pressing , ,  or , and select the character by pressing .

6. Menu functions

■ Messages (Menu 1)



You can read, compose, send and save text and multimedia messages to and from compatible devices (network services). All messages are organised into folders.

Before you can send any text, or picture, you need to save your message centre number, see "[Message settings](#)" on page 32.

Text messages

Your phone can send and receive multi-part messages, which consist of several ordinary text messages (network service). This may affect the invoicing for the message. You can check the number of characters available and messages to be sent in the counter on top of the screen.

Note that some characters may require more space than others, for example Chinese characters require more space than English letters, and the counter may adjust the number of maximum number of characters available accordingly. For pricing of multi-part messages, contact your service provider.

You can also send and receive text messages that contain pictures. Each picture message is made up of several text messages. Therefore, sending one picture message may cost more than sending one text message.



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

Compose and send messages

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



Tip: To quickly open the *Create message* menu, press **[]** in standby mode.

2. Compose the message.
 - To insert text templates or a picture into the message, see "[Templates](#)" on page 26.
 - To insert a number, press **Options** and select *Insert number*. Enter the number you want to insert or search for it in the phone book and press **OK**.

- To insert a name from the phone book, press **Options**, and select *Insert contact*. Highlight the name you want, then press **Options** and select *Insert contact*. To insert a phone number or a text item attached to the name, press **Options**, and select *View details*.
3. To send the message, press **Options** and select *Send*.
 4. Enter the recipient's phone number or get it from your phone book.
Press **OK** to send the message.



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

Options for sending a message

After you have written a message, press **Options** and select *Sending options*.

- To send a message to several recipients, select *Send to many*. When you have sent the message to everyone you want to send it to, press **Done**.
- To send a message using a message profile, select *Sending profile* and then the desired message profile.
To define a message profile, see "Message settings" on page 32.

Composing and sending SMS e-mail

Nokia 3108 phone provides e-mail feature:

- SMS e-mail: sending e-mail via SMS. The following section describes how to use SMS e-mail.

Before you can send SMS e-mail, you need to save the settings for sending SMS e-mail, see "Message settings" on page 32. For availability and subscription to the SMS e-mail service, contact your network operator or service provider. To save an e-mail address in *Contacts*, see "Save multiple numbers and text items per name" on page 37.

1. Press **Menu**, and select *Messages, Text messages* and *Create SMS e-mail*.
2. Key in the recipient's e-mail address or search for it in *Contacts* and press **OK**.

3. If you wish, you can key in the subject for the SMS e-mail and press **OK**.
4. Key in the SMS e-mail message. See "[Keypad input methods](#)" on page 20. The total number of characters that you can key in is shown on the top right of the display. The e-mail address and subject are included in the total number of characters. See also the description about multi-part messages on page 23.

See also "[Insert a text template into a message](#)" on page 26.

Pictures cannot be inserted.


5. To send the SMS e-mail, press **Options** and select *Send SMS e-mail*. If you have not saved the settings for sending SMS e-mails, the phone asks for the number of the SMS e-mail server.


Press **OK** to send the SMS e-mail.



Note: When sending e-mails via the SMS network service, your phone may display the words *Message sent*. This is an indication that the e-mail has been sent by your phone to the e-mail server. This is not an indication that the e-mail has been received at the intended destination. For more details about e-mail services, check with your service provider.

Read and reply to a message

When you have received a message, the indicator  and the number of new messages followed by *... messages received* are shown.


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

The text messages function uses shared memory. Refer to "[Shared memory](#)" on page x.

1. Press **Show** to view the new message, or press **Exit** to view it later.

Reading the message later:

Press **Menu**, and select *Messages, Text messages* and *Inbox*.

2. If more than one message has been received, select the one that you want to read. An unread message is indicated by .
3. While reading or viewing the message, press **Options**.

You can select an option, for example, to delete, forward or edit the message as a text message or an SMS e-mail, move and rename the message you are reading.

Select *Copy to calendar* to copy text at the beginning of the message to your phone's calendar as a reminder note for the current day. For more information about calendar, see "Calendar" on page 52.

Select *Message details* to view the sender's name and phone number, the message centre used, and the date and time of receipt.

Select *Use detail* to extract numbers, e-mail addresses and website addresses from the current message. Please note that only those website and e-mail addresses with spaces separating them from the other texts on either side can be identified.

When reading a picture message, select *Save picture* to save the picture in the *Templates* folder.



4. Select *Reply* to reply to a message. Select *Original text* to include the text of the original message in the reply, or select a standard answer to be included in the reply, or select *Empty screen*.
5. Press **Options**, select *Send*, and press **OK** to send the message to the displayed number.

Inbox and outbox folders

The phone saves incoming text messages in the *Inbox* folder and sent messages in the *Sent items* folder of the *Text messages* submenu.

Text messages that you wish to send later can be saved in the *Archive*, or *Templates* folder.

Templates


Your phone includes text templates, indicated by , and picture templates, indicated by .

To access the template list, press **Menu**, and select *Messages*, *Text messages* and *Templates*.

Insert a text template into a message

- When you are writing or replying to a message, press **Options**. Select *Use template* and select the template that you want to insert.

Insert a picture into a text message

- When you are writing or replying to a message, press **Options**. Select *Insert picture* and select a picture to view it. Press **Insert** to insert the picture into your message. The  indicator in the header of the message indicates that a picture has been attached. The number of characters that you can enter in a message,

depends on the size of the picture.

To view the text and the picture together before sending the message, press **Options** and select *Preview*.

Archive folder and my folders

To organise your messages, you can move some of them to the *Archive* folder, or add new folders for your messages.

While reading a message, press **Options**. Select *Move*, scroll to the folder that you want to move the message to and press **Select**.

To add or delete a folder, press **Menu**, and select *Messages, Text messages*, and *My folders*.

- To add a folder, press **Options** and select, *Add folder*.
- To delete a folder, scroll to the folder that you want to delete, press **Options** and select *Delete folder*.

Multimedia messages



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

A multimedia message can contain text, sound and a picture. The phone supports multimedia messages that are up to 50 KB in size. If the maximum size is exceeded, the phone may not be able to receive the message. Depending on the network, you may receive a text message that includes an Internet address where you can view the multimedia message.

If the message contains a picture, the phone scales it down to fit the display area.



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

Multimedia messaging supports the following formats:

- Picture: JPEG, GIF, PNG, and BMP.
- Sound: Scalable Polyphonic MIDI (SP-MIDI) and monophonic ringing tones.

The phone does not necessarily support all variations of the file formats mentioned above. If a received message contains any unsupported elements, they may be replaced with the file name and the text *Object format not supported*.

Note that you may not be able to receive any multimedia messages if you have a call in progress, a game or another Java application running, or an active browsing session over GSM data (see ["Keying in the service settings manually"](#) on page 60).



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

Writing and sending a multimedia message

To set the settings for multimedia messaging, see ["Settings for multimedia messages"](#) on page 33.

To check the availability or subscribe to the multimedia messaging service, contact your network operator or service provider.

1. Press **Menu**, and select *Messages, Multimedia msgs.* and *Create message*.
2. Key in or use the stylus to write a message. See ["Keypad input methods"](#) on page 20 or ["Handwriting input method"](#) on page 14.


To insert a picture or a sound clip, press **Options**, and select *Insert image* or *Insert sound clip*, respectively. The list of available folders in the *Gallery* is shown. Open a specific folder, scroll to the desired picture or sound, press **Options** and select *Insert*. The  or  indicator in the

header of the message indicates that a picture or sound has been attached. Copyright protections may prevent some images, ringing tones and other content from being copied, modified, transferred or forwarded.

To insert a name from *Contacts*, press **Options**, select *More options* and *Insert contact*. Scroll to the desired name, press **Options** and select *Insert contact*.

To insert a number, press **Options**, select *More options* and *Insert number*. Key in the number or search for it in *Contacts*, and press **OK**.


3. To view the message before sending it, press **Options** and select *Preview*.
4. To send the message, press **Options** and select *Send to number* (or *Send to e-mail* or *Send to many*).
5. Enter the recipient's phone number (or e-mail address) or search for it in *Contacts*. Press **OK** and the message is moved to the *Outbox* folder for sending.



It may take more time to send a multimedia message than to send a text message. While the multimedia message is being sent, the animated indicator  is displayed and you can use other functions on the phone. If

there is an interruption while the message is being sent, the phone tries to resend it a few times. If this fails, the message will remain in the *Outbox* folder and you can try to resend it later from there.

The messages that you have sent will be saved in the *Sent items* folder if the setting *Save sent messages* is set to *Yes*. See "[Settings for multimedia messages](#)" on page 33.

Reading and replying to a multimedia message

The blinking  indicates that the memory for multimedia messages is full, see "[Multimedia messages memory full](#)" on page 30.

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

The multimedia message function uses shared memory, see "[Shared memory](#)" on page x.

1. Press **Show** to view the message, or press **Exit** to view it later.

Reading the message later: Press **Menu**, and select *Messages*, *Multimedia msgs.* and *Inbox*.

2. Scroll to view the message. Press **Options** and some of the following options may be available.

- *Delete message* to delete a saved message.
- *Reply* or *Reply to all* to reply to the message. To send the reply, refer to "[Writing and sending a multimedia message](#)" on page 28.
- *Forward to no.*, *Forward to e-mail* or *Forward to many* to forward the message.
- *Message details* to view the subject, size and type of the message.
- *Details* to view the details of the attached image or sound.
- *Save sound clip* to save the ringing tone in the *Gallery*.
- *Save image* to save the picture in the *Gallery*.

Refer also to the file options in *Gallery*, see "[Gallery \(Menu 7\)](#)" on page 50. Note that copyright protections may prevent some images, ringing tones and other content from being copied, modified, transferred or forwarded.

Inbox, Outbox, Saved and Sent items folders


The phone saves the multimedia messages that have been received in the *Inbox* folder of the *Multimedia msgs.* submenu.

Multimedia messages that have not yet been sent are moved to the *Outbox* folder of the *Multimedia msgs.* submenu.

The multimedia messages that you wish to send later, can be saved in the *Saved items* folder of the *Multimedia msgs.* submenu.

The multimedia messages that have been sent are saved in the *Sent items* folder of the *Multimedia msgs.* submenu if the setting *Save sent messages* is set to *Yes*. See "*Settings for multimedia messages*" on page 33.

Multimedia messages memory full

When you have a new multimedia message waiting and the memory for the messages is full, the indicator  blinks and *Multimedia memory full, view waiting msg.* is shown. To view the waiting message, press **Show**. To save the message, press **Options**, select *Save message* and delete old messages by first selecting the folder and then the old message to be deleted. Note that unless you have chosen to save the waiting message, the message will

not be saved in your phone even when you view it.

To discard the waiting message, press **Exit** and **Yes**. If you press **No**, you can view the message.

Delete messages

1. To delete text messages, press **Menu**, and select *Messages, Text messages* and *Delete messages*.

To delete all text messages from all folders, select *All messages* and when *Delete all messages from all folders?* is displayed, press **OK**. If the folders contain unread messages, the phone will ask whether you want to delete them also.

To delete multimedia messages, press **Menu**, and select *Messages, Multimedia msgs.* and *Delete messages*.

2. To delete all messages from a folder, scroll to the folder and press **Select**. If the folder contains unread messages, the phone will ask whether you want to delete them also.

Chat

You can have a text message based conversation with another person using this faster text messaging application (network service). You cannot save received or sent messages, but you can view them while chatting. Each message is sent as a separate text message.

1. To start a chat session, press **Menu**, select **Messages** and **Chat**. Enter or get from your phone book the phone number of the person you want to chat with, and press **OK**.

Another way to start a chat session: When you have received a message, press **Show** to read it. To start a chat session, press **Options** and select **Chat**.

2. Enter your nickname for the chat session and press **OK**.
3. Compose your chat message.
4. To send the message, press **Options** and select **Send**.
5. The reply message from the other person is shown above your original message.

To reply to the message, press **OK** and repeat steps 3 and 4.

6. To end the chat session, press **OK** and **Options**, and select **Quit**.

To view the most recent messages of the current chat session, press **Options** and select **Chat history**. The messages that you sent are indicated

by "<" and your nickname and the messages that you received are indicated by ">", and the sender's nickname. Press **Back** to return to the message you are currently writing. To edit your nickname, select the option **Chat name**.

Voice messages


Voice mailbox is a network service and you may need to subscribe to it. For more information and for the voice mailbox number, contact your service provider.

Press **Menu**, and select **Messages** and **Voice messages**. Select


- **Listen to voice messages** to call your voice mailbox at the phone number that you have saved in the **Voice mailbox number** menu.

Each phone line may have its own voice mailbox number, see "**Line for outgoing calls**" on page 44.

- **Voice mailbox number** to enter, get from your phone book, or edit your voice mailbox number. Press **OK** to save it.

If supported by the network, the indicator  will show new voice messages. Press **Listen** to call your voice mailbox number.



Tip: Pressing and holding  calls your voice mailbox.

Info messages

With the info message network service you may be able to receive messages on various topics from your service provider, for example weather or traffic conditions. For available topics and the relevant topic numbers, contact your service provider.

If the *GPRS connection* is set to *Always online*, the info messages may not be received. In that case, set the *GPRS connection* to *When needed*, see "[GPRS Connection](#)" on page 61, to enable reception of info messages.

Message settings

The message settings affect the sending, receiving and viewing of messages.

Settings for text messages

1. Press **Menu**, and select *Messages*, *Message settings*, *Text messages* and *Sending profile*.
2. If more than one message profile set is supported by your SIM card, select the set you want to change.
 - Select *Message centre number* to save the phone number of the message centre that is required for sending text messages. You will receive this number from your service provider.
 - Select *Messages sent via* to select the message type *Text*, *E-mail*, *Paging* or *Fax*.
 - Select *Message validity* to select the length of time for which the network should attempt to deliver your message.
 - For message type *Text*, select *Default recipient number* to save a default number for sending messages for this profile.
 - Select *Delivery reports* to ask the network to send delivery reports about your messages (network service).
 - Select *Use GPRS* to set GPRS as the preferred SMS bearer (network service).
 - Select *Reply via same centre* to allow the recipient of your message to send you a reply via your message centre (network service).
 - Select *Rename sending profile* to change the name of the selected message profile. The message profile sets are only displayed if your SIM card supports more than one set.

Overwrite settings

When the text message memory is full, the phone cannot receive or send any new messages. However, you can set the phone to automatically replace old text messages in the *Inbox* and *Sent items* folders with the new ones.

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

Settings for multimedia messages

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

- *Save sent messages*. Select *Yes* to set the phone to save sent multimedia messages in the *Sent items* folder. If you select *No*, the sent messages are not saved.
- *Delivery reports* to ask the network to send delivery reports about your messages (network service)
- *Scale image down*. Select *Yes* to set the phone to scale the image inserted in the multimedia message to the default size, if the original size of the image is larger than the default size. If you select *No*, the inserted image will be

added into the message as its original size.

- *Allow multimedia reception*. Choose *No*, *Yes* or *In home network* to use the multimedia service. If you choose *In home network*, you cannot receive multimedia messages when outside your home network.
- *Incoming multi-media messages*. Select *Retrieve* to set the phone to automatically fetch newly received multimedia messages, or select *Reject* if you do not wish to receive multimedia messages. This setting is not shown if the *Allow multimedia reception* is set to *No*.
- *Connection settings*. Define WAP connection settings for retrieving multimedia messages. Activate the set where you want to save the connection settings and then edit the settings.
 - *Settings' name*. Enter the new name for the connection set and press **OK**.
 - *Homepage*. Enter the homepage address of the WAP service that you want to use, press $\frac{1}{\square}$ for a dot, and press **OK**.
 - *Session mode*. Select *Permanent* or *Temporary*.

- *Data bearer*. Select *GPRS*.
- *Bearer settings*, to edit the following items:
 - *GPRS access point*. Enter the access point name to establish a connection to a GPRS network and press **OK**. Contact your network operator or service provider for the access point name.
 - *IP address*. Enter the address, press ***** for a dot, and press **OK**. You obtain the IP address from your network operator or service provider.
 - *Authentication type*. Select *Secure* or *Normal*.
 - *User name*. Enter the user name and press **OK**.
 - *Password*. Key in the password and press **OK**.
- *Allow adverts*. You can allow or reject advertisements. This setting is not shown if the *Allow multimedia reception* is set to *No*.

To receive the multimedia connection settings as a text message

You may be able to receive the service settings as a text message from the network operator or service provider that offers the WAP service that you want to use. For more information, contact your network operator or service provider.

Font size setting

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

Service commands

Press **Menu**, and select *Messages* and *Service commands*. Enter and send service requests (also known as USSD commands), such as activation commands for network services, to your service provider (network service).

■ Call register (Menu 2)



The phone registers the phone numbers of missed, received and dialled calls, and the approximate length and cost of your calls.

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

When you press **Options** in the *Missed calls*, *Received calls* and *Dialled numbers* menu, you can, for example, view the date and the time of the call, edit or delete the phone number from the list, save the number in the phone book, or send a message to the number.

Recent calls lists

Press **Menu**, and select *Call register* and then select

- *Missed calls* to view the list of up to the last ten phone numbers from which somebody has tried to call you (network service). The number in front of the (name or) phone number indicates the amount of call attempts from that caller.



Tip: When a note about missed calls is displayed, press **List** to access the list of phone numbers. Scroll to the number you would like to call back and press **↵**.

- *Received calls* to view the list of up to the last ten phone numbers from which you have most recently accepted calls (network service).
- *Dialled numbers* to view the list of up to the 20 phone numbers that you have most recently called or attempted to call.

- *Delete recent call lists* to delete the recent calls lists. Select whether you want to delete all the phone numbers in the recent calls lists, or only those numbers in the missed calls, received calls or dialled numbers lists. You cannot undo the operation.

Call counters and call timers



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.

Press **Menu**, and select *Call register* and then select

- *Call duration* scroll to view the approximate duration of your incoming and outgoing calls in hours, minutes and seconds. The security code is required to clear the timers.

Each phone line has its own call timers and the timers of the selected line are displayed. See "*Line for outgoing calls*" on page 44.

- *Call costs* (network service). Select *Last call units* or *All calls' units* to check the cost of your most recent call or all calls in terms of units specified within the *Show costs in* function. Select *Call cost settings* and select *Clear counters* to clear the

counters, or select *Show costs in* to set the phone to show the remaining talk time in terms of charging units, *Units*, or units of currency, *Currency*. Contact your service provider for charging unit prices.

Select *Call cost limit* to limit the cost of your calls to a certain amount of charging units or units of currency. The PIN2 code is required for the call cost settings.




Note: When no more charging units or currency units are left, calls may only be possible to the emergency number programmed into your phone (e.g. 112, 911, or other official emergency number).

- *GPRS data counter* Scroll to check the amounts of data that were sent or received in the last session, data sent and received in total, and to clear the counters. The counter unit is a byte. The security code is required to clear the counters.
- *GPRS connection timer* Scroll to check the approximate duration of the last GPRS connection or the total GPRS connection. You can also clear the timers. To clear the timers, the security code is required.

■ Contacts (Menu 3)



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

- The internal phone book may save up to 300 names with numbers and text notes about each name. The number of names that can be saved depends on the length of the names, and the number and length of the phone numbers and text items.
- The phone supports SIM cards that can save up to 250 names and phone numbers. Names and numbers saved in the SIM card's memory, are indicated by .

Phone book settings

Press **Menu** and select *Contacts* and *Settings*. Select

- *Memory in use* to select the phone book you want to use. To find names and numbers from both phone and SIM card, select *Phone and SIM*. The names and numbers will be saved in the phone's memory.

- **Contacts view** to select how the names and numbers in the phone book are displayed.
- **Memory status** to see how many names and phone numbers are currently saved and how many can still be saved in the selected phone book.

Save names and phone numbers (Add names)

Names and numbers will be saved in the used memory, see "Phone book settings" above.

1. Press **Menu** and select **Contacts** and **Add contact**.
2. Enter the name and press **OK**.
3. Enter the phone number, and press **OK**.
4. When the name and number are saved, press **Done**.



Tip: Quick save In standby mode, key in the phone number. Press **Options**, and select **Save**. Enter the name, press **OK** and **Done**.

Save multiple numbers and text items per name

You can save different types of phone numbers and short text items per name in the phone's internal phone book.

The first number saved is automatically set as the default number and it is indicated with a


frame around the number type indicator, for example . When you select a name from the phone book, for example to make a call, the default number is used unless you select another number.

1. Make sure that the memory in use is either **Phone** or **Phone and SIM**. See "Phone book settings" on page 36.
2. To access the list of names and phone numbers, press in standby mode.
3. Scroll to the name saved in the phone's internal phone book to which you want to add a new number or text item, and press **Details**.
4. Press **Options** and select **Add number** or **Add detail**.
5. Select one of the following number types **General**, **Mobile**, **Home**, **Office** and **Fax**, or text types **E-mail address**, **Web address**, **Postal address** and **Note**.

To change the number or text type, select **Change type** in the options list.

6. Enter the number or text item and press **OK** to save it.
7. Press **Back** and then **Exit** to return to standby mode.





Change the default number

Press  in standby mode, scroll to the name you want and press



Details. Scroll to the number you want to set as the default number.

Press **Options** and select *Set as default*.


Search for a name in the phone book

1. Press **Menu** and select *Contacts* and *Search*.
2. You can key in the first characters of the name you are searching for in the pop-up window. Press  and  to scroll through the names in the list, and  and  to move the cursor in the pop-up window.
Or, you can write in via the touch pad using the stylus, the first character(s) of the name you are searching for and press **Search**.
3. Scroll to the name you want, and press **Details**. Scroll to view the details of the selected name.



Tip: To quickly find a name and phone number, press  or  in standby mode. Key in the first letter(s) of the name, and/or scroll to the name you want.



Tip: To view a specific name with its default number, press and hold  #.

Edit a name, number or text item

Search for the name (and number) you want to edit and press **Details**.

Scroll to the name, number or text item you want to edit, and press


Options. Select *Edit name*, *Edit number* or *Edit detail* to edit the name, number or text, then press **OK**.

Delete names and numbers

Press **Menu** and select *Contacts* and *Delete*.

- To delete names and numbers one by one, select *One by one* and scroll to the name (and number) you want to delete. Press **Delete** and press **OK** to confirm.
- To delete names and numbers in the phone book all at once, select *Delete all* and then scroll to the phone book, *Phone* or *SIM card* and press **Delete**. Press **OK** and confirm with the security code.

Delete numbers or text items

Press  in standby mode, scroll to the desired name (and number) and press **Details**. Scroll to the number or text item you want to delete, press **Options** and select *Delete number* or *Delete detail*, respectively.

Copy in phone book

You can copy names and phone numbers from the phone's memory to your SIM card's memory and vice versa. Note that any text items saved in the phone's internal memory, such as e-mail addresses, will not be copied to the SIM card.

1. Press **Menu** and select *Contacts* and *Copy*.
2. Select the copying direction,
From phone to SIM card or *From SIM card to phone*.
3. Select *One by one*, *All* or *Default numbers*.
 - If you select *One by one*, scroll to the name you want to copy and press **Copy**.

Default numbers is shown if you copy from the phone to the SIM card. Only the default numbers will be copied.

4. To choose whether you want to keep or delete the original names and numbers, select *Keep original* or *Move original*.
 - If you select *All* or *Default numbers*, press **OK** when *Start copying?* or *Start moving?* is displayed.

Send and receive business cards

You can send and receive a person's contact information as a business card from one compatible device to another as a message if supported by the network.

Receiving a business card

When you have received a business card as a message, press **Show**. Press **Save** to save the business card in the phone's memory. To discard the business card, press **Exit** and then **OK**.

Sending a business card

You can send a business card as a message to a compatible phone or other handheld device which supports the vCard standard.

1. To send a business card, search for the name and phone number you want to send from the phone book, press **Details** and **Options** and select *Send bus. card*.
2. To send the business card as an OTA message, select *Via text message*.

Speed dials

To assign a number to a speed dialling key, press **Menu**, select *Contacts*, *Speed dials*. Scroll to the speed dialling key number you want.

Press **Assign**, press **Search**, and select first the name and then the number you want to assign. If a number has already been assigned to the key, press **Options**, and you can view, change or delete the assigned number.

If the *Speed dialling* function is off, the phone asks whether you want to activate it. Press **Yes** to activate the function. Refer to "*Speed dialling*" on page 44.

Info numbers

you can call the information numbers of your service provider from this menu if they are pre-installed in your SIM card.

Press **Menu** and select *Contacts* and *Info numbers*. Scroll through a category to an information number and press **⏏** to call the number.

Service numbers

You can call the service numbers of your service provider from this menu if the numbers are pre-installed in your SIM card.

Press **Menu** and select *Contacts* and *Service numbers*. Scroll to a service number and press **⏏** to call the number.

My numbers

The phone numbers assigned to your SIM card are saved in *My numbers* if this is allowed by the card. To view the numbers press **Menu** and select *Contacts* and *My numbers*. Scroll to the desired name or number, and press **View**.

Caller groups

You can arrange the names and phone numbers saved in the phone book into caller groups. For each caller group, you can set the phone to sound a specific ringing tone and show a selected graphic on the display when you receive a call from a recognised phone number in the group, see below. To set the phone to ring only upon calls from phone numbers belonging to a selected caller group, see *Alert for* in "*Tone settings*" on page 47.

Press **Menu** and select *Contacts* and *Caller groups* and select the desired caller group. Select

- *Group name*, enter a new name for the caller group and press **OK**.
- *Group ringing tone* and select the ringing tone for the group. *Default* is the ringing tone selected for the currently active profile.

- *Group logo* and select *On* to set the phone to display the group logo, *Off* not to display it, or *View* to view the logo.
- *Group members* to add a name to the caller group, press **Options** and select *Add contact*. Scroll to the name you want to add to the group and press **Add**.

To remove a name from a caller group, scroll to the name you want to remove, and press **Options** and select *Remove contact*.

■ Profiles (Menu 4)



Your phone has various setting groups, profiles, for which you can customise the phone tones for different events and environments. Initially, personalise the profiles to your own liking and then you only need to activate a profile to use it. Available profiles are *General*, *Silent*, *Meeting*, *Outdoor*, and *Pager*.

Press **Menu**, and select *Profiles*. Scroll to a profile and press **Select**.


- To activate the selected profile, select *Activate*.
- To set the profile to be active for a certain amount of time up to 24 hours, select *Timed* and set the end time. When the time set for the profile expires, the previous

profile that was not timed, becomes active.

- To personalise the profile, select *Personalise*. Select the setting you want to change and make the changes. The same settings can also be changed in the *Tone settings* menu, see "*Tone settings*" on page 47.

To rename a profile, select *Profile name*. The *General* profile can not be renamed.



Tip: To change the profile quickly in standby mode, press the power key , scroll to the profile you want to activate and press **Select**.

■ Settings (Menu 5)



Right selection key

To access some specific functions quickly, you can add them to the list assigned to the right selection key, and rearrange the functions in the list.

1. Press **Menu**, and select *Settings* and *Right selection key settings*.
 - To select desired functions for the right selection key, select *Select options* and the list of available functions is shown.

To add the desired function to the selection key list, press **Mark**. When a function is added to the list, the right selection key changes from **Contacts** to **Go to**.

To remove a function from the list, press **Unmark**.

- To rearrange the functions in the list, select *Organise* and then the desired function. Press **Move** and select an option to move the function in the list.
2. When you have made all the changes, press **Done**. To save the changes, press **Yes** or to discard the changes, press **No**.

Screen saver settings

Press **Menu**, select *Settings, Screen saver* and select:

- *On* to turn on the screen saver;
- *Off* to turn off the screen saver;
- *Select s. saver* to select the animation or image you want to set as screen saver;
- *Time-out* to set the timeout after which the screen saver will be activated.

Time and date settings

Clock

Press **Menu**, and select *Settings, Time and date settings* and *Clock*.

Select *Show clock* (or *Hide clock*) to show (or hide) the time on the top right of the display in standby mode. Select *Set the time* to adjust the clock to the correct time, and *Time format* to select 12-hour or 24-hour time format.

Date

Press **Menu**, and select *Settings, Time and date settings* and *Date*.

Select *Show date* (or *Hide date*) and the date is shown (or hidden) on the display when the phone is in standby mode. Select *Set the date* to adjust the date. You can also select the date format.

If the battery is flat or removed from the phone for a long time, you may need to set the date and time again.

Auto update of date and time

Press **Menu**, and select *Settings, Time and date settings* and *Auto-update of date & time* (network service). To set the phone to automatically update the time and date according to the current time zone, select *On*. To set the phone to ask for a confirmation before the update, select *Confirm first*.

Note that the automatic update of the date and time will affect other time related features (for example alarm clock). These features will always follow the updated time. Updating may cause some alarms that you have set to expire.

Call settings





Call divert

Press **Menu**, and select *Settings*, *Call settings* and *Call divert* (network service). With call divert, you can direct your incoming calls to another number, for example, to your voice mailbox number. For details, contact your service provider. Divert options not supported by your SIM card or your network operator may not be shown. Select the divert option you want, for example, select *Divert if busy* to divert the voice calls when your number is busy or when you reject an incoming call.

To set the divert setting to on, select *Activate* and then select the timeout after which the call is diverted, if this is available for the divert option. To set the divert setting to off, select *Cancel*, or select *Check status* to check whether call divert is activated or not. *Check status* is only available for certain options. Several divert options may be active at the same time.

To see the divert indicators in standby mode, see "[Standby mode](#)" on page 2.

Anykey answer

Press **Menu**, and select *Settings*, *Call settings* and then *Anykey answer*. Select *On* and you can answer an incoming call by briefly pressing any key, except , selection keys  and , and .

Flip call handling

Opening or closing the flip cover may or may not affect voice call handling. You can set this by yourself.

1. Press **Menu**, and select *Settings*, *Call settings*, *Flip call handling*.
2. Three options are listed:
 - *None* (default setting): Opening or closing the flip cover does not affect the status of the voice call.
 - *Answer & end calls*:
 - Opening the flip cover answers a voice call.
 - Closing the flip cover ends a voice call.
 - *Answer calls only*:
 - Opening the flip cover answers a voice call.
 - Closing the flip cover does not end a voice call.

Automatic redial

Press **Menu**, and select *Settings*, *Call settings* and *Automatic redial*. Select *On*, and your phone will make a maximum of ten attempts to connect the call after an unsuccessful call attempt (Depending on the network environment).

Speed dialling

Press **Menu**, and select *Settings*, *Call settings* and *Speed dialling*. Select *On* and the names and phone numbers assigned to the speed dialling keys, from 1 ^{ABC} to 9 ^{WXYZ}, can be dialled by pressing and holding the corresponding number key.

Call waiting

Press **Menu**, and select *Settings*, *Call settings* and *Call waiting*. Select *Activate* and the network will notify you of an incoming call while you have a call in progress (network service). See "Handle a waiting call" on page 12.

Summary after call

Press **Menu**, and select *Settings*, *Call settings*, and *Summary after call*. Select *On*. After each call, the phone briefly displays the approximate duration and cost of the call (network service).

Send my caller identity

Press **Menu**, and select *Settings*, *Call settings* and *Send my caller ID*. Select *Yes* and your phone number will be displayed to the person you are calling (network service). Select *Set by network* and the setting agreed upon with your service provider is used.

Line for outgoing calls


Line for outgoing calls is a network service to select the phone line 1 or 2, that is, the subscriber number, for making calls.

Press **Menu**, and select *Settings*, *Call settings* and *Line for outgoing calls*. If you select *Line 2* and have not subscribed to this network service, you will not be able to make calls. However, calls on both lines can be answered regardless of the selected line.

If supported by your SIM card, you can prevent the line selection by selecting the option *Lock*.

For more information on availability, contact your network operator or service provider.



Tip: In standby mode, you can switch from one line to the other by pressing and holding .

Phone settings

Language

Press **Menu**, and select *Settings*, *Phone settings* and *Phone language*. Select the language for the display texts. If *Automatic* is selected, the phone selects the language according to the information on the SIM card.

Automatic keyguard



Note: When Keyguard is on, calls may be possible to the emergency number programmed into your phone (e.g. 112, 911, or other official emergency number). Key in the emergency number and press \backslash . The number is displayed only after you have keyed in its last digit.

You can set the keypad of your phone to lock automatically after a period of time. When the phone is in standby mode with no function in use, and the set time is reached, the keypad locks automatically to prevent accidental phone calls.

Press **Menu**, and select *Settings*, *Phone settings* and *Automatic keyguard*.

- To activate the automatic keyguard, select *On*. The phone prompts *Set delay*: Input the time and press **OK**. You can set the time from 10 seconds up to 60 minutes.
- To deactivate the automatic keyguard, select *Off*.

Refer also to "[Keypad lock \(Keyguard\)](#)" on page 8.

Recognition time-out

You can set the maximum time the phone will wait for your next stroke when writing with the stylus, before the phone starts to recognise the strokes you wrote on the touch pad. For more information about recognition timeout, see also "[Recognition timeout](#)" on page 18.

1. Press **Menu**, and select *Settings*, *Phone settings* and *Recognition time-out*.
2. A list of three options: *Fast*, *Normal* and *Slow* is displayed:
3. Press \backslash if necessary to highlight the option you want, and press **Select**.

Cell info display (network service)

Press **Menu**, and select *Settings*, *Phone settings* and *Cell info display*. Select *On* to set the phone to indicate when it is used in a cellular network based on Micro Cellular Network (MCN) technology.

If the *GPRS connection* is set to *Always online*, the cell identity may not be received. In that case, set the *GPRS connection* to *When needed* to enable it, see "GPRS Connection" on page 61.

Welcome note

Press **Menu**, and select *Settings*, *Phone settings* and *Welcome note*. Enter the note you would like to be shown briefly when the phone is switched on. To save the note, press **Options**, and select *Save*.

Network selection

Press **Menu**, and select *Settings*, *Phone settings* and *Operator selection*. Select *Automatic* and the phone automatically selects one of the cellular networks available in your area.

If you select *Manual*, you can select a network that has a roaming agreement with your home network operator. If *No network access* is displayed, you must select another network. The phone stays in manual mode until the automatic mode is selected or another SIM card is inserted into the phone.

Confirm SIM service actions

See "SIM services (Menu 13)" on page 68.

Help text activation

To set the phone to show or not to show the help texts, press **Menu**, and select *Settings*, *Phone settings* and *Help text activation*.

Start-up tone

To set the phone to play or not to play a start-up tone when the phone is switched on, press **Menu**, and select *Start-up tone*, *Phone settings* and *Start-up tone*.

Display settings

Wallpaper

You can set your phone to display a background image, known as wallpaper, when the phone is in standby mode. Some images are pre-saved in the *Gallery* menu. You may also be able to receive images via multimedia messages, download them from WAP pages or transfer them with PC Suite from your compatible PC and then save them in *Gallery*. Your phone offers support to JPEG, GIF, BMP and PNG formats. Please note, however, that not necessarily all variations of these formats are supported.

Select a wallpaper

1. Press **Menu**, and select *Settings*, *Display settings* and *Wallpaper*.
2. Select *Select wallpaper* and the folder list in the *Gallery* menu will be shown.

3. Open the image folder and scroll to the desired image.
4. To set the image as wallpaper, press **Options** and select *Set as wallpaper*.

To activate or deactivate the wallpaper

Press **Menu**, and select *Settings*, *Display settings* and *Wallpaper*. To activate/deactivate the wallpaper, select *On/Off*, respectively.

Colour schemes

You can change the colour in some display components, for example, indicators and signal bars.

Press **Menu**, and select *Settings*, *Display settings* and *Colour schemes*. Select the desired colour scheme.

Operator logo



To set your phone to display or hide the operator logo, press **Menu**, and select *Settings*, *Display settings* and *Operator logo*. If you have not saved any operator logo, this menu is dimmed.

Note that the operator logo is not displayed when the phone activates the screen saver.

For more information on availability of an operator logo via test messages, MMS or WAP, contact your network operator or service provider. See also "[PC Suite](#)" on page 69.

Display brightness

You can change the display brightness level used on the phone display.

Press **Menu**, and select *Settings*, *Display settings* and *Display brightness*. Scroll with  and  to decrease and increase the brightness level, and press **OK** to accept it.

Tone settings

Press **Menu**, and select *Settings* and then *Tone settings*. You can find the same settings in the *Profiles* menu, see "[Profiles \(Menu 4\)](#)" on page 41. Note that the settings you make, will change the settings in the active profile.

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

Select *Ringing tone* for incoming voice calls. To select ringing tones that have been saved in the *Gallery*, select *Open gallery* from the ringing tone list.

Select *Ringing volume* and *Vibrating alert* for incoming voice calls and messages. The vibrating alert does not work when the phone is connected to a charger.



Tip: If you receive a ringing tone by downloading, you can save the ringing tone in the *Gallery*.

Select *Message alert tone* to set the alert tone for the incoming messages, *Keypad tones*, or *Warning tones* to set the phone to sound tones for example, when the battery is running out of power.

Select *Alert for* to set the phone to ring only upon calls from phone numbers that belong to a selected caller group. Scroll to the caller group you want or *All calls* and press **Mark**.

Enhancement settings

The enhancement settings menu is shown only if the phone is or has been connected to a compatible enhancement.

Press **Menu**, and select *Settings* and *Enhancement settings*. You can select *Headset*, *Handsfree*, or *Loopset*, if a corresponding compatible enhancement is or has been connected to the phone.

- Select *Default profile* to select the profile that you want to be automatically activated when you connect to the selected enhancement. You can select another profile while the enhancement is connected.

- Select *Automatic answer* to set the phone to answer an incoming call automatically after five seconds. If the *Incoming call alert* is set to *Beep once* or *Off*, automatic answer will not be in use.
- Select *Lights* to set the lights permanently *On*. Select *Automatic* to set the lights on for 15 seconds after a keypad. The *Lights* option is available only when *Handsfree* is selected.

Security settings



Note: When security features that restrict calls are in use (call barring, closed user group and fixed dialling), calls may be possible to certain emergency numbers in some networks (e.g. 112, 911, or other official emergency numbers).

Press **Menu**, and select *Settings* and *Security settings*. Select

- *PIN code request* to set the phone to ask for your PIN code every time the phone is switched on. Some SIM cards do not allow the PIN code request to be turned off.

- **Call barring service** (network service) to restrict incoming calls to and outgoing calls from your phone. A barring password is required.
- **Fixed dialling** to restrict your outgoing calls and text messages to selected phone numbers if this function is supported by your SIM card. The PIN2 code is required.

When the fixed dialling is on, GPRS connections are not possible except while sending text messages over a GPRS connection (network service). In this case, the recipient's phone number and the message centre number have to be included on the fixed dialling list.

- **Closed user group.** Closed user group is a network service that specifies the group of people whom you can call and who can call you. For more information contact your network operator or service provider.
- **Security level.**
 - If you select **Phone**, then the phone asks for the Security code when a new SIM card is used.
 - If you select **Memory**, then the phone asks for the Security code when memory in use is going to be changed from SIM card to others, (see **"Phone book settings"** on

page 36), or entries in the memory in use will be copied to another memory (**"Copy in phone book"** on page 39).

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

Restore factory settings

To reset some of the menu settings to their original values, press **Menu**, and select **Settings** and **Restore factory settings**. Key in the security code and press **OK**.

■ Alarm clock (Menu 6)



The alarm clock uses the time format set for the clock. Even when the phone is switched off, the previously set alarm will still work providing that there is enough power in the battery.

Press **Menu**, and select **Alarm clock**.

- Select **Alarm time**, enter the alarm time and press **OK**.
To change the alarm time, select **On**.
- Select **Alarm tone** and select the default alarm tone.

When the alarm time expires

The phone will sound an alert tone, and flash *Alarm!* and the current time on the display.

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

If the alarm time is reached while the phone is switched off, the phone switches itself on and starts sounding the alarm tone. If you press **Stop**, the phone asks whether you want to activate the phone for calls, *Switch the phone on?* Press **No** to switch off the phone or **Yes** to make and receive calls.



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

■ Gallery (Menu 7)



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

In Gallery you can manage images, photos and tones saved in your phone.

The gallery uses shared memory, see "[Shared memory](#)" on page x.

1. Press **Menu** and select *Gallery*. The list of options is shown.
2. Select *View folders* to open the list of folders.

Other available options are:

- *Add folder* to add a new folder. Key in a name for the folder and press **OK**.
- *Delete folder* to select the folder you want to delete. You cannot delete the original folders on the phone.
- *Rename folder* to select the folder you want to rename. You cannot rename the original folders on the phone.
- *Gallery downloads* to download more images and tones. Select *Graphic downloads* or *Tone downloads*, respectively. The list of available browser bookmarks is shown. Select *More bookmarks* to access the list of bookmarks in the *Services* menu, see "[Bookmarks](#)" on page 64.

Select the appropriate bookmark to connect to the desired page. If the connection fails, you may not be able to access the page from the service whose connection settings are currently active. In this case, enter the **Services** menu and activate another set of service settings, see "[Making a connection to a service](#)" on page 61. Try again to connect to the page.

For the availability of different services, pricing and tariffs, contact your network operator and/or service provider. Download content only from the sources you trust.

3. Open the folder you want and the list of files in the folder is shown. **Graphics** and **Tones** are the original folders in the phone.

Press **Options** and some of the following options are available:

- **Open** to open the selected file.
- **Delete** to delete the selected file.
- **Send** to send the selected file to compatible devices, via MMS.

- **Move** to move a file to another folder.
 - **Rename** to give a new name to the file.
 - **Set as wallpaper** to set the selected image file as wallpaper.
 - **Set as ring tone** to set the selected sound file as the ringing tone.
 - **Details** to see the details of the file, for example the size of the file.
 - **Sort** to sort the files by date, type, name or size.
 - **Delete all** to delete all the files in the selected folder.
 - **View in sequence** to view the files in the folder sequentially.
4. Open the file you want. Press **Options** and some of the following options may be available:
 - **Play** to listen to or to view a sound or image file. file t.
 - **Zoom** to increase the size of the image that is contained in the message.
 - **Set contrast** to adjust the contrast level of the image.

- *Set as wallpaper* to set the selected image file as wallpaper.
- *Set as ring tone* to set the selected sound file as the ringing tone.
- *Details* to see the details of the file, for example the size of the file.
- *Delete* to delete the selected file.
- *Send* to send the selected file, for example, via MMS.
- *Rename* to give a new name to the file.
- *View in sequence* to view the files in the folder sequentially.

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

Calendar (Menu 8)



Note: Your phone must be switched on to use the functions in the *Calendar* menu. Do not switch the phone on when wireless phone use is prohibited or when it may cause interference or danger.

Calendar

The calendar helps you to keep track of reminders, calls that you need to make, meetings, and birthdays.

The calendar uses shared memory. Refer to "*Shared memory*" on page x.

Press **Menu**, and select *Calendar*.



Tip: To quickly open the *Calendar* menu, press **]** in standby mode.

Scroll to the day you want. The current day is indicated by a frame around the day. If there are any notes set for the day, the day is in bold type. To view the day notes, press **Options** and select *Day notes*.

To view a single note, scroll to the note you want to view, press **Options** and select *View*. The note view allows you to view the details of the selected note. You can scroll through the note.



The other options for the calendar views may include:




- Options for making a note, or for sending a note as a note directly to another compatible device's calendar or as a text message.
- Options for deleting, editing, moving and repeating a note and for copying a note to another day.
- *Settings* to set the date, time, date or time format, or the first day of the week. In the *Auto-delete* option you can set the


phone to delete old notes automatically after a specified time. However, the repeat notes, for example, birthday notes, will not be deleted.

Making a calendar note



Press **Menu**, and select **Calendar**. Scroll to the date you want, press **Options** and select **Make a note**. Select one of the following note types:

-  **Meeting** - Enter the note (or press **Options** and search for the name in the phone book). Press **Options** and select **Save**. Enter the location for the meeting and press **Options** and select **Save**. Enter the start time for the meeting and press **OK**, and then the end time and press **OK**. To set the alarm for the note, select **With tone** or **Silent** (no alarm tone) and then set the alarm time.
-  **Call** - Enter the phone number, press **Options** and select **Save**. Enter the name, press **Options** and select **Save**. (Instead of entering the phone number, press **Options** to search for the name and number in the phone book.) Then enter the time for the call and press **OK**. To set the alarm for the note, select **With tone** or **Silent** (no alarm tone) and then set the alarm time.

-  **Birthday** - Enter the person's name (or press **Options** and search for it in the phone book), press **Options** and select **Save**. Then enter the year of birth, and press **OK**. To set the alarm for the note, select **With tone** or **Silent** (no alarm tone) and then set the alarm time.
-  **Memo** - Enter the note, press **Options** and select **Save**. Enter the start date and end date for the note and press **OK**. To set the alarm for the note, select **With tone** or **Silent** (no alarm tone) and then set the alarm time.
-  **Reminder** - Enter the subject for the reminder, press **Options** and select **Save**. To set the alarm for the note, select **Alarm on** and then set the alarm time.

When you have set the alarm, the indicator  is displayed when you view the notes.

When the phone sounds an alarm for a note

The phone beeps, and displays the note. 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**. Note the alarm you set here will not work when the phone is switched off.

■ Games (Menu 9)



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

Launching a game

1. Press **Menu**, and select **Games** and **Select game**.
2. Scroll to a game or a game set (the name depends on the game).
3. Press **Options** and select **Open** or press **↵**. If the selection is a single game it will be launched.

Otherwise, a list of games in the selected game set is displayed. To launch a single game, scroll to the desired game and press **Options** and select **Open**, or press **↵**.

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

Other options available for a game or game set

Options for games, see "Other options available for an application or application set" on page 56.

Game services

Press **Menu**, and select **Games** and **Game downloads**. The list of available WAP bookmarks is shown. Select **More bookmarks** to access the list of WAP bookmarks in the **Services** menu, see "Bookmarks" on page 64.

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

Select the appropriate bookmark to connect to the desired WAP page. If the connection fails, you may not be able to access the WAP page from the WAP service whose connection settings are currently active. In this case, enter the **Services** menu and activate another set of service settings, see "Making a connection to a service" on page 61. Try again to connect to the WAP page.

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

Note that when downloading a game, it may be saved in the *Applications* menu instead of the *Games* menu.

Note that after you have downloaded a game, the WAP connection is still on. You need to end the connection before launching the game, otherwise you may be charged for the connection.

Memory status for games

To view the amount of memory available for game and application installations, press **Menu**, and select *Games* and *Memory*. See also "[Memory status for applications](#)" on page 57.

The games use shared memory. Refer to "[Shared memory](#)" on page x.

Game settings

Press **Menu**, and select *Games* and *Settings* to set sounds, lights and shakes for the game.

■ Applications (Menu 10)



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

Note that after you have downloaded an application, the WAP connection is still on. You need to end the connection before launching the application, otherwise you may be charged for the connection.

Launching an application

1. Press **Menu**, and select *Applications* and *Select application*.
2. Scroll to an application or an application set (the name depends on the application).
3. Press **Options** and select *Open* or press \backslash . If the selection is a single application it will be launched.

Otherwise, a list of applications in the selected application set is displayed. To launch a single application, scroll to the desired application and press **Options** and select *Open*, or press \backslash .

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

Other options available for an application or application set

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

Note that if you delete a pre-installed application or an application set from your phone, you may be able to download it again to your phone from the Nokia website, <http://www.nokia.com>. Note the availability may vary in different markets.

- *Web access* to restrict the application from accessing the network. Select *Ask first* and the phone asks for net access, *Allowed* to allow the net access, or *Not allowed* not to allow the net access.
- *Update version* to check if a new version of the application is available for download from the WAP services.
- *Web page* to provide further information or additional data for the application from an Internet page. This feature needs to be supported by the network. It is only shown if an Internet address has been provided with the application.

- *Connect via* to choose and activate a connection setting for the application.
- *Details* to give additional information about the application.

Download an application

You can download new Java™ applications in different ways. Please note that your phone only support J2ME applications.

- Press **Menu**, and select *Applications* and *App. downloads* and the list of available WAP bookmarks is shown. Select *More bookmarks* to access the list of WAP bookmarks in the *Services* menu, see "[Bookmarks](#)" on page 64.

Select the appropriate bookmark to connect to the desired WAP page. If the connection fails, you may not be able to access the WAP page from the WAP service whose connection settings are currently active. In this case, enter the *Services* menu and activate another set of service settings, see "[Making a connection to a service](#)" on page 61. Try again to connect to the WAP page.

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

- Press **Menu**, and select **Services** to find a WAP page to download an appropriate Java application. See "[Browsing the pages of a service](#)" on page 62.
- Use the game download functionality, see "[Game services](#)" on page 54.
- Use the Nokia Application installer from PC Suite to download the applications in your phone (network service).



Note that Nokia does not warrant for applications from non-Nokia sites. If you choose to download Java applications from them, you should take the same precautions, for security or content, as you would with any site.

Note that when downloading an application, it may be saved in **Games** menu instead of the **Applications** menu.

Memory status for applications

To view the amount of memory available for game and application installations, press **Menu**, and select **Applications** and **Memory**.

The applications use shared memory. Refer to "[Shared memory](#)" on page x.

Extras (Menu 11)



Note: Your phone must be switched on to use the functions in **Extras** menu. Do not switch the phone on when wireless phone use is prohibited or when it may cause interference or danger.

Calculator

The calculator in your phone adds, subtracts, multiplies, divides, calculates the square and the square root and converts currency values.

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

1. Press **Menu**, and select **Extras** and **Calculator**.
2. When '0' is displayed on the screen, enter the first number in the calculation, press $\frac{\text{p}}{\text{d}}$ for a decimal point.
3. Press **Options** and select **Add**, **Subtract**, **Multiply**, **Divide**, **Square**, **Square root** or **Change sign**.



Tip: Alternatively, press * once to add, twice to subtract, three times to multiply or four times to divide.

4. Enter the second number.
5. For a total, press **Options** and select *Equals*. Repeat steps 3 to 5 as many times as is necessary.
6. To start a new calculation, first press and hold **Clear**.

Performing a currency conversion

1. Press **Menu**, and select *Extras* and *Calculator*.
2. To save the exchange rate, press **Options** and select *Exchange rate*. Select either of the displayed options. Enter the exchange rate, press $\frac{\text{P}}{\text{#}}$ for a decimal point, and press **OK**. The exchange rate remains in the memory until you replace it with another one.
3. To perform the currency conversion, enter the amount to be converted, press **Options** and select *In domestic* or *In foreign*.



Tip: You can also perform the currency conversion in standby mode. Key in the amount to be converted, press **Options** and select *In domestic* or *In foreign*.

Stopwatch

You can measure time, take intermediate times or lap times using the stopwatch. During timing, the other functions of the phone can

be used. To set the stopwatch timing in the background, press ⏏ .

Using the stopwatch consumes the battery and the phone's operating time will be reduced. Be careful not to let it run in the background when performing other operations with your phone.

Time observation and time splitting

1. Press **Menu**, and select *Extras*, *Stopwatch* and *Split timing*. You can select *Continue* if you have set the timing in the background.
2. Press **Start** to start the time observation. Press **Split** every time you want to take an intermediate time. The intermediate times are listed below the running time on the display. Scroll to view the times.
3. Press **Stop** to stop the time observation.
4. Press **Options** and select *Start* to start the time observation again. The new time is added to the previous time. *Save* to save the time. Enter a name for the measured time and press **OK**. If no name is keyed in, the total time is used as the title. *Reset* to reset the time without saving it.

Lap times

Press **Menu**, and select *Extras*, *Stopwatch* and *Lap timing*. Press **Start** to start the time observation and **Lap** to take a lap time. Press **Stop** to stop the lap timing. Press **Options** and you can save or reset the lap times. Refer to "[Time observation and time splitting](#)" above.

Viewing and deleting times

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

If the stopwatch is not reset, you can select *Show last* to view the most recent measured time. Select *View times* and a list of names or final times of the time sets is shown, select the time set you want to view.

To delete the saved times, select *Delete times*. Select *Delete all* and press **OK**, or select *One by one*, scroll to the times you want to delete, press **Delete** and press **OK**.

Services (Menu 12)



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

You can access various services on the Internet. For example, these services may include weather reports, news or flight times and financial information.

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

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

With your phone's multi-mode browser you can view the services that use Wireless Mark-up Language (WML) or extensible HyperText Markup Language (xHTML) on their pages. Since the phone's display and the memory capacity are much smaller than in a computer, the content may be shown differently on the phone's display. Note that you may not be able to view all pages or all details on the Internet pages.

Basic steps for accessing and using services

1. Save the service settings that are required to access the service that you want to use. See page 60.
2. Make a connection to the given service. See page 61.
3. Start browsing the pages of the service. See page 62.
4. Once you are finished browsing, end the connection to the service. See page 63.

Setting up the phone for a service

You may receive the service settings as an OTA message from the network operator or service provider that offers the service that you want to use. You can also key in the settings manually or add and edit the settings with PC Suite.

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

Saving the service settings received as an OTA message

When you receive the service settings as an OTA message, *Service settings received* is displayed.

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

If no settings are saved in *Active service settings*, the settings are saved under the first free connection set and are also activated.

If there are settings saved in *Active service settings*, *Activate saved service settings?* will be displayed. To activate the saved settings, press **Yes**, or to save them only, press **No**.

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

Keying in the service settings manually

1. Press **Menu**, and select *Services, Settings* and *Connection settings*.
2. Select *Active service settings*.
3. Scroll to the connection set you would like to activate and press **Activate**.

You need to activate the connection set where you want to save the service settings. A connection set is a collection of settings required to make a connection to a service.

4. Select *Edit active service settings*.

Select each of the settings one by one and key in all the required settings according to the information you have received from your network operator or service provider. Note that under *Data bearer* menu you may choose *GSM data* or *GPRS* as the data bearer, and that all the bearer-related settings are in the *Bearer settings* menu.

For availability and subscription to data services, contact your network operator or service provider.

GPRS Connection

You can set the phone to automatically register to a GPRS network when you switch the phone on (network service). Press **Menu**, and select *Services, Settings, Connection settings, Edit active service settings, Bearer settings, GPRS connection* and *Always online*. When you start an application using GPRS, the connection between your phone and the network is established, and data transfer is possible. When you end the application, GPRS connection is ended but the registration to the GPRS network remains.

If you select *When needed*, the GPRS registration and connection are established when an application using GPRS needs it and closed when you end the application.



Making a connection to a service

1. Firstly, make sure that the service settings of the service you want to use are activated. To activate the settings:

- Press **Menu**, and select *Services, Settings* and *Connection settings*. Select *Active service settings* and scroll to the connection set you want to activate and press **Activate**.

2. Secondly, make a connection to the service. There are three ways to connect:

- Open the start page, for example, the homepage of the service provider:

Press **Menu**, and select *Services* and *Home*, or in standby mode press and hold  .

- Select a bookmark of the service:



Press **Menu**, and select *Services, Bookmarks*, and select a bookmark. See "[Bookmarks](#)" on page 64.

- Key in the address of the service:
Press **Menu**, and select **Services** and then **Go to address**. Key in the address of the service and press **OK**.





Note that it is not necessary to add the prefix `http://` in front of the address since it will be added automatically.

Browsing the pages of a service

After you have made a connection to the service, you can start browsing its pages. The function of the phone keys may vary in different services. Follow the text guides on the phone display. For more information, contact your service provider.

Note that if GPRS is selected as the data bearer, the indicator  is shown on the top left of the display during browsing. If you receive a call or a text message, or make a call during a GPRS connection, the indicator  will be shown on the top right of the display to indicate that the GPRS connection is suspended (on hold). After the call, for example, the phone tries to reconnect the GPRS connection.

Using the phone keys while browsing

- Use any of the scroll keys to browse through the page.
- To select a highlighted item, press .
- To enter letters and numbers, press the keys  -  and to enter special characters, press the key .

Options while browsing

Press **Options** and the following options may be available. The service provider may also offer other options. Select

- **Home** to return to the homepage.
- **Add bookmark** to save the page as a bookmark.
- **Bookmarks**. See "**Bookmarks**" on page 64.
- **Download links** to show the list of bookmarks for downloading.
- **Save to folder** to save the current page as a bookmark into a folder.
- **Shortcuts** to open a new list of options that are, for example, specific to the page.
- **Other options** to show a list of other options, for example, some security options.
- **Reload** to reload and update the current page.
- **Quit**. See "**Disconnect from a service**" on page 63.



Note: If you have tried to access or have accessed confidential information requiring passwords (for example, your bank account), empty the cache of your phone after each use.

To empty the cache, see "[The cache memory](#)" on page 65.

Direct calling

The multi-mode browser supports functions that you can access while browsing. You can make a voice call, send DTMF tones while a voice call is in progress, and save a name and a phone number from a page in contacts.

Disconnect from a service

To quit browsing and to end the connection, press **Options** and select *Quit*. When *Quit browsing?* is shown, press **Yes**.

Alternatively, press \swarrow . The phone ends the connection to the service.

Appearance settings of the multi-mode browser

1. While browsing, press **Options** and select *Other options* and *Appear. settings*,
or in standby mode, press **Menu**, and select *Services, Settings* and *Appearance settings*.

2. Select *Text wrapping*. Select *On* and the text continues on the next line if it cannot be shown on one line. If you select *Off*, the text is abbreviated if it is too long to be shown on one line.

Select *Show images*. Select *No* and any pictures appearing on the page are not shown. This can speed up the browsing of pages that contain a lot of pictures.

Cookies

A cookie is data that a site saves in your phone's browser cache memory. The data can be, for example, your user information or your browsing preferences. Cookies will be saved until you clear the cache memory, see "[The cache memory](#)" on page 65.

1. While browsing, press **Options** and select *Other options, Security* and *Cookies*,
or in standby mode, press **Menu**, and select *Services, Settings, Security settings* and *Cookies*.
2. Select *Allow* or *Reject* to allow or prevent the phone receiving cookies.

Bookmarks

You can save page addresses as bookmarks in the phone's memory.

1. While browsing, press **Options** and select *Bookmarks*, or in standby mode, press **Menu**, and select *Services* and *Bookmarks*.
2. Scroll to the bookmark you want to use and press **Options**.
3. Select *Go to* to make a connection to the page associated with the bookmark. You can also view the title and the address of the selected bookmark, edit or delete the selected bookmark, or send it directly to another phone as a bookmark, or as an OTA message, or create a new bookmark.

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

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

Receiving a bookmark

When you have received a bookmark (sent as a bookmark from a compatible device) *1 bookmark received* is displayed. Press *Show*, then press **Options** and select *View* to view the bookmark, *Save* to save the bookmark, or *Discard* to discard it.

Downloading

1. To download more tones, images, games or applications to your phone, press **Menu**, and select *Services* and *Download links*.
2. Select *Tone downloads*, *Graphic downloads*, *Game downloads* or *App. downloads* to download tones, images, games or applications, respectively.

Download content only from the sources you trust.

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

Service inbox

The phone is able to receive service messages (pushed messages) sent by your service provider (network service). Service messages may be notifications of, for example, news headlines, and they may contain a text message or an address of a service.

To access the *Service inbox* in standby mode, when you have received a service message, press **Show**.

- If you press **Exit** the message is moved to the *Service inbox*. To access the *Service inbox* later, press **Menu**, and select *Services* and *Service inbox*.

To access the *Service inbox* while browsing, press **Options** and select *Other options* and *Service inbox*. Scroll to the message you want, press **Options**. Select *Retrieve* to activate the multi-mode browser and download the marked content, or *Details* to display detailed information on the service notification, or select *Delete* to delete it.

Service inbox settings

Press **Menu**, and select *Services*, *Settings* and *Service inbox settings*.

- Select *Service messages* and *On* (or *Off*) to set the phone to receive (or not to receive) service message.
- Select *Automatic connection*. If you select *On* and if you have set the phone to receive service messages, the phone will automatically activate the browser when the phone has received a service message.

If you select *Off*, the phone will activate the browser only after you have selected *Retrieve* when the phone has received a service message.

The cache memory

The information or services you have accessed are stored in the cache of your phone. A cache is a buffer memory, which is used to store data temporarily. To empty the cache:

- while browsing, press **Options** and select *Other options* and *Clear the cache*, or
- in standby mode, press **Menu**, and select *Services*, and *Clear the cache*.

Browser security

Security features may be required for some services, such as banking services or shopping on a site. For such connections you need security certificates and possibly a security module which may be available on your SIM card. For more information, contact your service provider.

Security module

The security module can contain certificates as well as private and public keys. The security module may improve the security services for applications requiring browser connection, and allows you to use a digital signature. The certificates are

saved in the security module by the service provider.

Press **Menu** and select *Services*, *Settings*, *Security settings* and *Security module settings*. Select

- *Security module details* to show the security module title, its status, manufacturer and serial number.
- *Module PIN request* to set the phone to ask for the module PIN when using services provided by security module. Key in the code and select *On*. To disable the module PIN request, select *Off*.
- *Change module PIN* to change the module PIN, if allowed by the security module. Enter the current module PIN code, then enter the new code twice.
- *Change signing PIN*. Select the signing PIN you want to change. Enter the current PIN code, then enter the new code twice.


See also ["General information"](#) on page ix.

Certificates

There are three kinds of certificates: server certificates, authority certificates and user certificates.

- The phone uses a server certificate to improve security in connection between the phone and the gateway. The phone receives the server certificate from the service provider before

the connection is established and its validity is checked using the authority certificates saved in the phone. Server certificates are not saved.

The security indicator  is displayed during a connection, if the data transmission between the phone and the gateway (identified by the *IP address* in the *Edit active service settings - Bearer settings*) is encrypted.

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

- Authority certificates are used by some services, such as banking services, for checking the validity of other certificates. Authority certificates can either be saved in the security module by the service provider, or they can be downloaded from the network, if the service supports the use of authority certificates.

- User certificates are issued to users by a Certifying Authority. User certificates are required, for example, to make a digital signature and they associate the user with a specific private key in a security module.



Important: Note, however, that even if the use of certificates makes the risks involved in remote connections and software installation considerably smaller, they must be used correctly in order to benefit from increased security. The existence of a certificate does not offer any protection by itself; the certificate manager must contain correct, authentic, or trusted certificates for increased security to be available.


Important: Certificates have a restricted lifetime. If Expired certificate or Certificate not valid yet is shown even if the certificate should be valid, check that the current date and time in your phone are correct.

Important: Before changing these settings, you must make sure that you really trust the owner of the certificate and that the certificate really belongs to the listed owner.

Digital signature

You can make digital signatures with your phone (network service). The signature can be traced back to you via the private key on the security module and the user certificate that was used to perform the signature. Using the digital signature can be the same as signing your name to a paper bill, contract or other document.

To make a digital signature, select a link on a page, for example, the title of the book you want to buy and its price. The text to sign (possibly including amount, date, etc.) will be shown.

Check that the header text is *Read* and that the digital signature icon  is shown.



Note: If the digital signature icon does not appear, there is a security breach, and you should not enter any personal data such as your signing PIN.

To sign the text, read all of the text first and then you can select *Sign*.



Note: The text may not fit within a single screen. Therefore, make sure to scroll through and read all of the text before signing.

Select the user certificate you want to use. Key in the signing PIN (see "General information" on page ix) and press **OK**. The digital signature icon will disappear, and the service may display a confirmation of your purchase.

SIM services (Menu 13)



In addition to the functions available in the phone, your SIM card may provide additional services that you can access in Menu 13. Menu 13 is shown only if it is supported by your SIM card. The name and contents of the menu depend entirely on the service available.



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

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 **Yes** in the menu *Confirm SIM service actions* in *Phone settings*.

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

7. PC connectivity

When your phone is connected to a compatible PC via a data cable, you can use your phone with a variety of PC connectivity and data communications applications. With PC Suite you can, for example, send text messages, synchronise contacts and calendar between your phone and the PC, and manage your WAP bookmarks and connection sets.

You may find more information and downloadable files on the Nokia website, <http://www.nokia.com>.

■ PC Suite

The PC Suite contains the following applications:

- **Nokia Application Installer** to install Java applications from a compatible PC to the phone.
- **Nokia Image Converter** to make images usable for multimedia messages, wallpaper or operator logos and to transfer them to your phone.
- **Nokia Sound Converter** to edit polyphonic ringing tones to be compatible with your phone and to transfer them to your phone.

- **Nokia Content Copier** to copy information or back-up information from your phone to a compatible PC or to another compatible Nokia phone.
- **Nokia Settings Manager** to provide an easy way to edit access point settings and bookmarks with PC.
- **Nokia Phone Editor** to send text messages and edit the phone book and message settings of your phone.
- **Nokia Phone Browser** to view the contents of the Gallery folder of your phone on the PC.
- **Nokia PC Sync** to synchronise the compatible phone book and calendar between your phone and PC.
- **Nokia Connection Manager** to select the connection type between the PC and the phone.

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

■ Use data communication applications

For information on using a data communication application, refer to the documentation provided with it.

1. If you use the cable DKU-5:
 - Connect the cable to the USB port on the back of a compatible computer and to the connector on your phone.
2. Start using the data communications application on the computer.

Note that making or answering phone calls during a computer connection is not recommended as it might disrupt the operation.

For a better performance during data calls, place the phone on a stationary surface with the keypad facing downward. Do not move the phone or hold it in your hand during a data call.

8. Battery information

■ Charging and Discharging

Your phone is powered by a rechargeable battery.

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

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

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

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

Use the battery only for its intended purpose.

Never use any charger or battery which is damaged.

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

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

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

9. Genuine Enhancements

A new extensive range of enhancements is available for your phone. Select the enhancements which accommodate your specific communication needs.



Some of the enhancements are described in detail below.

For availability of the enhancements, please check with your local dealer. A few practical rules for enhancements operation:

- When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.
- Check regularly that all mobile phone equipment in a vehicle is mounted and operating properly.

Use only batteries, chargers and accessories approved by the phone manufacturer. The use of any other types may invalidate any approval or warranty applying to the phone, and may be dangerous.

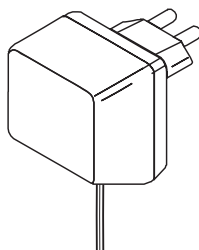
■ Battery

Type	Tech	Talktime*	Standby*
BL-4C	Li-Ion	2 hrs to 6 hrs	150 to 360 hrs

* Variation in operation times may occur depending on SIM card, network and usage settings, usage style and environments. Use of the Loudspeaker feature will affect talktime and standby time.

■ Standard Charger (ACP-7)

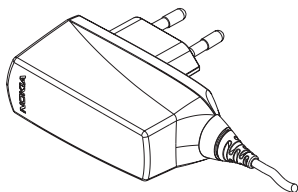
Small, lightweight and durable charger ACP-7 provides an easy and convenient way to charge the phone. It is easy to connect to phone or desktop stand.



Note: The plug types vary according to different markets.

■ Travel Charger (ACP-12)

Small, lightweight travel charger with multi voltage (100 - 240V) switcher technology. Provides easy and convenient way to charge the phone.



Note: The plug types vary according to different markets.

■ Mobile Charger (LCH-9)

The multi-voltage Mobile Charger, LCH-9, ensures your phone is always ready for use whenever you travel. This small charger's functional design fits most car lighters and interiors.

A green light indicates that the Mobile Charger is ready for charging. Check the charging status on the phone display. The input voltage can be 12 or 24 V DC, negative grounding.

Avoid prolonged charging with the Mobile Charger when the car engine is not running; this may cause the battery of your car to drain. Note also that in some cars the cigarette lighter plug is not provided with electricity if the ignition is switched off. Verify that the green LED light is on.

■ HS-5 Headset

The compact and functional personal Handsfree Kit with Remote Control. By using the remote control option, you can answer and end calls by pressing the button on the microphone part of the Personal Handsfree.



10. Care and Maintenance

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

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

- Do not paint the phone. Paint can clog the moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorised antennas, modifications or attachments could damage the phone and may violate regulations governing radio devices.
- Keep the flip of the phone closed and store the stylus in its holder when not in use.
- Use only a stylus that has been approved by Nokia to be used in connection with the phone. Never use an actual pen or pencil or other sharp objects to write on the touch pad.

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

11. Important Safety Information

Traffic Safety

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

Remember road safety always comes first!

Operating environment

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

Use the phone only in its normal operating positions.

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

Electronic devices

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

Pacemakers

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

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

Hearing aids

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

Other medical devices

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

Vehicles

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

Posted facilities

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

Potentially explosive atmospheres

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

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

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

Vehicles

Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the unit. Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.

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

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

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

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



■ Emergency calls



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

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

To make an emergency call:

1. If the phone is not on, switch it on.
Check for adequate signal strength.
Some networks may require that a valid SIM card is properly inserted in the phone.
2. Press  as many times as needed (e.g. to exit a call, to exit a menu, etc.) to clear the display and ready the phone for calls.
3. Key in the emergency number for your present location (e.g. 112, 911, or other official emergency number).
Emergency numbers vary by location.
4. Press the  key.

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

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

■ Certification information (SAR)

THIS MODEL PHONE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES.

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

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

The highest SAR value for this model phone when tested for use at the ear is 0.67 W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the relevant international guidelines for RF exposure.

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

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

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