

Nokia 6230 User's Guide

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CE 168

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Issue 4

Contents

FOR YOUR SAFETY	5	
General information	7	
Access codes	7	
Security code (5 to 10 digits).....	7	
PIN and PIN2 codes (4 to 8 digits), Module PIN and Signing PIN.....	7	
PUK and PUK2 codes (8 digits)	7	
Barring password (4 digits).....	7	
Wallet code (4 to 10 digits).....	7	
Overview of the functions of the phone	7	
Shared memory	8	
1. Getting started	9	
Installing the SIM card and the battery	9	
Charging the battery	10	
Switching the phone on and off	10	
Normal operating position.....	10	
Changing the covers	11	
Installing a multimedia card	12	
2. Your phone	13	
Keys and connectors.....	13	
Standby mode.....	14	
Power saving.....	14	
Essential indicators	14	
Keypad lock (Keyguard).....	15	
3.Call functions	17	
Making a call	17	
Speed dialling a phone number... ..	17	
Answering or rejecting an incoming call	17	
Call waiting	18	
Options during a call	18	
Writing text.....	18	
Setting predictive text input on or off.....	18	
Using predictive text input	18	
Using traditional text input.....	19	
Tips for writing text	19	
4. Using the menu	21	
Accessing a menu function	21	
List of menu functions.....	22	
5. Menu functions	24	
Messages.....	24	
Text messages (SMS)	24	
Multimedia messages (MMS).....	28	
E-mail messages.....	31	
Instant messages (IM)	34	
Voice messages.....	39	
Info messages	39	
Service commands.....	39	
Call register.....	40	
Recent calls lists.....	40	
Counters and timers for calls, data and messages	40	
Positioning information	40	
Contacts	40	
Searching for a contact	40	
Saving names and phone numbers (Add new contact)	41	
Saving multiple numbers, text items or an image per name.....	41	
Editing or deleting details in the contacts.....	42	
My presence	42	
Subscribed names	44	
Sending and receiving a business card	46	
Speed dials.....	46	
Voice dialling.....	46	
Settings	47	
Profiles	47	

Tone settings.....	48	browser	75
Display settings	48	Cookies.....	75
Time and date settings.....	49	Bookmarks.....	75
Personal shortcuts.....	49	Downloading	76
Connectivity	49	Service inbox.....	76
Call settings.....	52	The cache memory.....	77
Phone settings.....	53	Browser security.....	77
IM and Presence settings	54	SIM services.....	79
Enhancement settings.....	54	6. PC Connectivity.....	81
Security settings	55	PC Suite.....	81
Restore factory settings.....	55	(E)GPRS, HSCSD and CSD	82
Operator menu	55	Using data communication	
Gallery.....	56	applications.....	82
Media	57	7. Battery information.....	83
Camera.....	57	Charging and Discharging	83
Media player.....	58	8. Genuine Enhancements	84
Music player.....	58	Power.....	84
Radio.....	59	Standard Charger (ACP-7).....	84
Voice recorder.....	61	Travel Charger (ACP-12)	85
Media equaliser.....	61	Audio.....	85
Organiser.....	62	Boom Headset (HDB-4).....	85
Alarm clock.....	62	Stereo Headset (HDS-3).....	85
Calendar	62	Vehicle	85
To-do list.....	63	Mobile Charger (LCH-9).....	85
Notes	63	9. Care and Maintenance.....	86
Wallet.....	64	10. Important Safety	
Synchronisation.....	67	Information.....	87
Applications.....	68	Index.....	91
Games.....	68		
Applications.....	69		
Calculator.....	71		
Countdown timer.....	71		
Stopwatch.....	71		
Web.....	72		
Basic steps for accessing and			
using services.....	73		
Setting up the phone for a			
service.....	73		
Making a connection to a			
service.....	73		
Browsing the pages of a service..	74		
Appearance settings of the			

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 **⏏**. To end a call, press **⏏**. To answer a call, press **⏏**.



EMERGENCY CALLS

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

■ Network Services

The wireless phone described in this guide is approved for use on the EGSM 900, 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.

This phone supports WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols. Some features of this phone, such as MMS (Multimedia Messaging Service), browsing, e-mail, instant messages, presence-enhanced contacts, remote SyncML, and content downloading via browser or over MMS, require network support for these technologies.

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.

■ About accessories

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from ACP-12, ACP-8, ACP-7, LCH-9 and LCH-12.



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 accessories, please check with your dealer.

General information

■ Access codes

Security code (5 to 10 digits)

The security code protects your phone against unauthorised use. The pre-set code is 12345. To change the code, and to set the phone to request the code, see "Security settings" on page 55.

PIN and PIN2 codes (4 to 8 digits), Module PIN and Signing PIN

The PIN (Personal Identification Number) code protects your SIM card against unauthorised use. See "Security settings" on page 55.

The PIN2 code may be supplied with the SIM card and is required to access some functions, such as call counters.

The module PIN is required to access the information in the security module. See "Security module" on page 77.

The signing PIN is required for the digital signature. See "Digital signature" on page 79.

PUK and PUK2 codes (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.

Barring password (4 digits)

The barring password is required when using the *Call barring service*, see "Security settings" on page 55.

Wallet code (4 to 10 digits)

The wallet code is required to access the wallet services. For further information, see "Wallet" on page 64.

■ Overview of the functions of the phone

The Nokia 6230 phone provides many functions that are practical for daily use, such as a calendar, a clock, an alarm clock, a radio, a music player, and a built-in camera. Also, a range of Nokia Xpress-on™ colour covers is available for your phone. Some functions are

- EDGE (Enhanced Data rates for GSM Evolution), see "(E)GPRS" on page 51.
- xHTML browser, see "Web" on page 72.
- E-mail function, see "E-mail messages" on page 31.
- Presence-enhanced contacts, see "My presence" on page 42.

- Java 2 Micro Edition, see "[Applications](#)" on page 68.
- Bluetooth technology, see also "[Bluetooth wireless technology](#)" on page 49.
- Multimedia card to extent the memory capacity of your phone to store pictures, video clips, for example.

information see "[Gallery](#)" on page 56.

Shared memory

The following features in this phone may share memory: contacts, text, instant messages and multimedia messages, e-mails, voice tags and SMS distribution lists, calendar, to-do notes, and Java games and applications, and note application. Using any such features may reduce the memory available for any features sharing 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 allotted to them in addition to the amount of memory shared with other features). For example, saving many java applications, etc., may take all of the shared memory and your phone may display a message that the memory is full. In this case, delete some of the information or entries stored in the shared memory features before continuing.

Note that gallery files share a different memory, for further

1. Getting started

■ Installing the SIM card and the battery

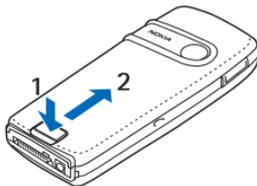
Keep all miniature SIM cards out of the reach of small children.

The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.

Before installing the SIM card, always make sure that the phone is switched off and disconnected from any enhancement and then remove the battery.

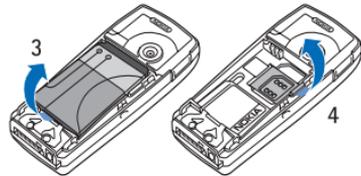
1. To remove the back cover off the phone:

With the back of the phone facing you, push the back cover release button (1).

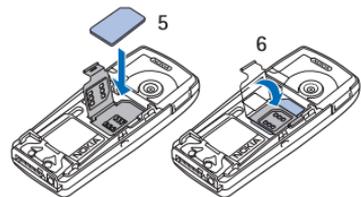


2. Slide the back cover to remove it from the phone (2).

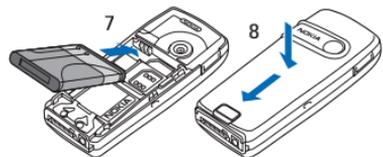
3. Remove the battery by lifting it as shown (3).



4. To release the SIM card holder, gently pull the locking clip of the card holder and open it (4).
5. Insert the SIM card into the SIM card holder (5). Make sure that the SIM card is properly inserted and that the golden contact area on the card is facing downwards.



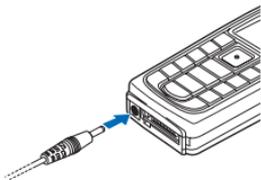
6. Close the SIM card holder (6) and press it until it snaps into position.
7. Replace the battery (7).



8. Slide the back cover into its place (8).

■ Charging the battery

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



2. Connect the charger to an AC wall socket.

If the battery is completely flat, it may take a few minutes before the charging indicator appears on the display or before any calls can be made.

The charging time depends on the charger and the battery used. For example, charging a BL5-C battery with the ACP-12 charger takes approximately one hour and 30 minutes while the phone is in standby mode.

■ Switching the phone on and off



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

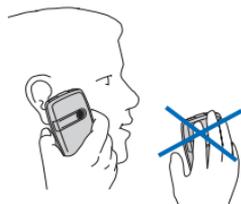
Press and hold the power key as shown.

If the phone asks for a PIN code, key in the PIN code (for example, displayed as ****), and press **OK**.



■ Normal operating position

Use the phone only in its normal operating position.



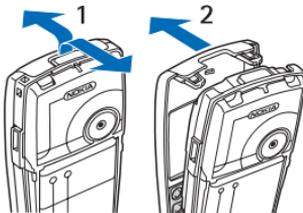
Your phone has a built-in antenna. As with any other radio transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Not touching the antenna area during a phone call optimises the antenna performance and the talktime of your phone.

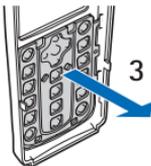
■ Changing the covers

Before changing the cover, always switch off the power and disconnect the phone from the charger or any other device. Avoid touching electronic components while changing the covers. Always store and use the phone with the covers attached.

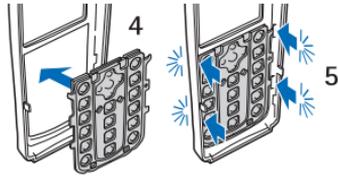
1. Remove the back cover from the phone. See step 1 in "[Installing the SIM card and the battery](#)" on page 9.
2. Gently remove the front cover from the phone. For this gently prise the front cover away from the phone beginning at the top of the phone (1) and detach the front cover (2).



3. Remove the key mat from the front cover by pressing it gently out (3).



4. Place the key mat in the new front cover (4).



5. Press the key mat gently in (5).
6. Replace the front cover by pressing it gently on the phone, beginning from the bottom (6).

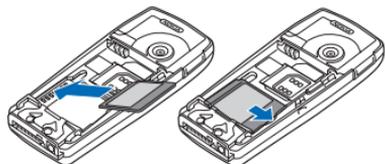


7. Replace the back cover of the phone. See step 8 in "[Installing the SIM card and the battery](#)" on page 9.

■ Installing a multimedia card

Use only compatible multimedia cards (MMC) with this device. Other memory cards, such as Secure Digital (SD) cards, do not fit in the MMC card slot and are not compatible with this device. Using an incompatible memory card may damage the memory card as well as phone, and data stored on the incompatible card may be corrupted.

1. Remove the back cover and battery from the phone. See step 1 and 2 in "[Installing the SIM card and the battery](#)" on page 9.
2. Place the multimedia card in the card holder. Make sure that the multimedia card is properly inserted and that the golden contact area on the card is facing downwards.



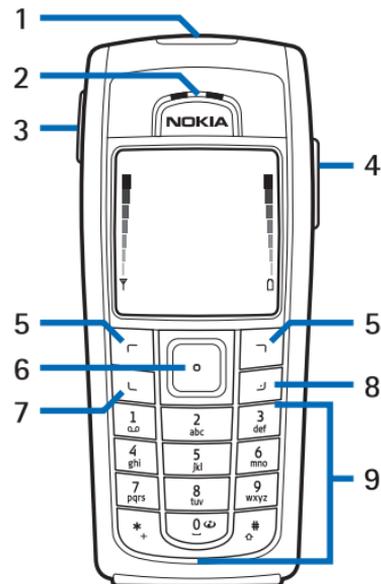
3. Replace the battery and back cover of the phone. See step 7 and 8 in "[Installing the SIM card and the battery](#)" on page 9.

The multimedia card can be used in menu *Gallery* as a separate folder, see "[Gallery](#)" on page 56.

2. Your phone

■ Keys and connectors

1. Power key



2. Earpiece

3. Volume keys

4. Loudspeaker

5. Selection keys and , middle selection key

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

6. 4-way navigation key

Move the cursor up  and down , left  and right .

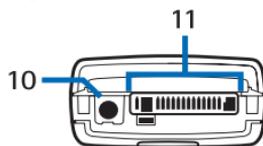
7.  dials a phone number, and answers a call.

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

9.  -  enter numbers and characters.

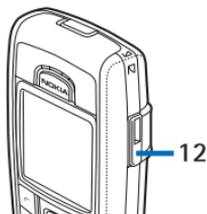
*+ and # are used for various purposes in different functions.

10. Charger connector

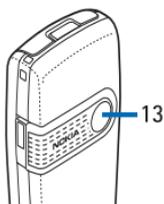


11. Pop-Port™ connector used, for example, for headsets and the data cable.

12. Infrared (IR) port



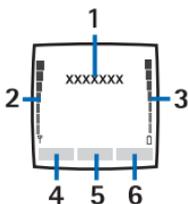
13. Camera lens on the back cover of the phone.



Standby mode

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

- Shows the name of the network or the operator logo.



- Shows the signal strength of the cellular network at your current location.
- Shows the battery charge level.
- The left selection key in standby mode is **Go to**.

Press **Go to** to view the functions in personal shortcut list. Select a function to activate it.

Press **Options** and select **Select options** to view the list of available functions. Scroll to the

desired function and press **Mark** to add it to the shortcut list. To remove a function from the list, press **Unmark**.

Press **Options** and select **Organise** to rearrange the functions on your personal shortcut list. Select the desired function and press **Move**, then select where you want to move the function.

- The middle selection key in standby mode is **Menu**.
- The right selection key in standby mode is **Names** to access the **Contacts** menu or another shortcut to a function you have selected. See "Personal shortcuts" on page 49. Or it has an operator specific name to access an operator specific web site.

Power saving

For power saving a digital clock view overwrites the display when no function of the phone has been used for a certain period of time. Press any key to deactivate the screen saver.



Essential indicators



You have received one or several text or picture messages. See "Reading and

replying to an SMS message or an SMS e-mail" on page 25.



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



The phone has registered a missed call. See "Call register" on page 40.



The phone's keypad is locked. See "Keypad lock (Keyguard)" on page 15.



The phone does not ring for an incoming call or text message when *Incoming call alert* is set to *Off* and *Message alert tone* is set to *Off*. See "Tone settings" on page 48.



The alarm clock is set to *On*. See "Alarm clock" on page 62.



When the (E)GPRS connection mode *Always online* is selected and the (E)GPRS service is available, the indicator is shown. Refer to "(E)GPRS connection" on page 51.



When a (E)GPRS connection is established, the indicator is shown. Refer to "(E)GPRS connection" on page 51 and

"Browsing the pages of a service" on page 74.



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



Bluetooth connection indicator. See "Bluetooth wireless technology" on page 49.

■ Keypad lock (Keyguard)

You can lock the keypad to prevent the keys being accidentally pressed.

Press **Menu** or **Unlock** and then *+ within 1.5 seconds to lock or unlock the keypad. If the *Security keyguard* is set *On*, press **Unlock** and key in the security code.

An incoming call can be operated normally. When you end or reject the call, the keypad will automatically be locked.

For *Automatic keyguard* and *Security keyguard*, see "Phone settings" on page 53.



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 . The number is displayed only after you have keyed in its last digit.

3. Call functions

■ Making a call

1. Key in the phone number, including the area code. If you key in an incorrect character, press **Clear** to delete it.
For international calls, press ***+** twice for the international prefix (the + character replaces the international access code) and then key in the country code, the area code without the leading 0, if necessary, and the phone number.
2. Press **Call** to call the number.
3. Press **End call** to end the call or to cancel the call attempt.

Making a call using the contacts

To search for a name/phone number that you have saved in **Contacts**, see "[Searching for a contact](#)" on page 40. Press **Call** to call the number.

Last number redialling

In standby mode, press **Call** once to access the list of up to 20 numbers you last called or attempted to call. Scroll to the number or name you want, and press **Call** to call the number.

Speed dialling a phone number

Assign a phone number to one of the speed-dialling keys, from **2abc** to **9wxyz**, see "[Speed dials](#)" on page 46. Call the number in either of the following ways:

- Press the speed-dialling key that you want and then press **Call**.
- If **Speed dialling** is set to on, press and hold a speed-dialling key until the call is started. See "[Call settings](#)" on page 52.

■ Answering or rejecting an incoming call

Press **Call** to answer an incoming call and press **End call** to end the call.

Press **End call** to reject an incoming call.

If you press **Silence**, only the ringing tone is muted. Then either answer or reject the call.



Tip: If the **Divert if busy** function is activated to divert the calls, for example to your voice mailbox, rejecting an incoming call will also divert the call. See "[Call settings](#)" on page 52.

Call waiting

During a call, press  to answer the waiting call. The first call is put on hold. Press  to end the active call.

To activate the *Call waiting* function, see "Call settings" on page 52.

Options during a call

Many of the options that you can use during a call are network services. For availability, contact your network operator or service provider.

Press **Options** during a call for some of the following options:

- *Mute or Unmute, End call, End all calls, Contacts, Menu, Hold or Unhold, Swap, New call, Send DTMF, Private call, Record, Answer, Reject, Loudspeaker, Handset, and Lock keypad.*
- *Conference* to make a conference call that allows up to five persons to take part in a conference call.

Writing text

You can key in text in two different ways, using the traditional text input, indicated with , or using the predictive text input indicated with  at the top left of the display. The character case is indicated by **abc**, **abc**, or **ABC** next to the text input indicator. You can change the character case by

pressing **#** . The number mode is indicated by **123**, and you can change between the letter and number mode by pressing and holding **#** .

Setting predictive text input on or off

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

- To set the predictive text input on, select a language in the dictionary options list.
- To revert to traditional text input, select *Dictionary off*.

Using predictive text input

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

1. Start writing a word using the keys **2abc** to **9wxyz**. 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 **6mno**, **6mno**, **5jkl**, **4ghi** and **2abc**.

For more instructions for writing text, see "Tips for writing text" on page 19.

- When you have finished writing the word and it is correct, confirm it by adding a space with **⓪** 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 that 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 text input is used) and press **Save**. When the dictionary becomes full, the new word replaces the oldest one that was added.

- 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 text input

Press a number key, **1^{abc}** to **9^{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 **"Phone settings"** on page 53.

- 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 **1⁰⁰**.

For more instructions for writing text, see **"Tips for writing text"** on page 19.

Tips for writing text

The following functions may also be available for writing text:

- To insert a space, press **⓪**.
- To move the cursor to the left, right, down or up, press the scroll keys **<■**, **■>**, **⓪** or **⓪**, respectively.
- To insert a number while in letter mode, press and hold the desired number key.
- 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 text input, press **Options** and select *Insert word*. Write the word using the traditional text input and press **Save**. The word is also added to the dictionary.
- To insert a special character when using the traditional text input, press *+, or when using the predictive text input, press and hold *+, or press **Options** and select *Insert symbol*. Select a character and press **Use**.
- To insert a smiley when using the traditional text input, press *+, or when using the predictive text input, press and hold *+, then press *+ again. Or press **Options** and select *Insert smiley*. Select a smiley and press **Use**.

The following options are available when writing text messages:

- To insert a number while in letter mode, press **Options** and select *Insert number*. Key in the phone number or search for it in *Contacts* and press **OK**.
- To insert a name from *Contacts*, 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*.

4. Using the menu

The phone offers you an extensive range of functions, which are grouped into menus.

■ Accessing a menu function

By scrolling

1. To access the menu, press **Menu**.
2. Scroll with \blacktriangle or \blacktriangledown through the menu (or with any of the scroll keys if the grid menu view is selected) and select, for example, *Settings* by pressing **Select**. To change the menu view, see *Menu view* in "Display settings" on page 48.
3. If the menu contains submenus, select the one that 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** to exit the menu.

By using a shortcut

Menus and options are numbered so that you can quickly key-press your way to an option. The numbers appear in the top right corner of the

display and show your location in the menu. Select **Menu**, and within 1.5 seconds start keying in the number of the menu function you want to access.

For example, to personalise the Silent profile, press **Menu**, and within 1.5 seconds start keying in 4 01 2 2.

Note: Menu numbers for options 1 and 2 must be keyed in as 01 and 02 respectively, if the options within a menu are more than 10.

List of menu functions

Messages



1. Text messages
2. Multimedia msgsg.
3. E-mail
4. Instant messages¹
5. Voice messages
6. Info messages
7. Message settings
8. Service commands

6. Copy
7. Settings
8. Speed dials
9. Voice tags
10. Info numbers²
11. Service numbers¹
12. My numbers³
13. Caller groups²

Call register



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

Settings



1. Profiles
2. Tone settings
3. Display settings
4. Time and date settings
5. Personal shortcuts
6. Connectivity
7. Call settings
8. Phone settings
9. IM and my presence settings
10. Enhancement settings⁴
11. Security settings
12. Restore factory settings

Contacts



1. Search
2. Add new contact
3. Delete
4. My presence
5. Subscribed names

Operator menu⁵

-
1. For availability, contact your network operator or service provider.
 2. Shown if supported by your SIM card. For availability, contact your network operator or service provider.
 3. If Info numbers, Service numbers or both are not supported, the number of this menu item changes accordingly.
 4. This menu is shown only if the phone is or has been connected to a compatible enhancement available for the phone.
 5. If this menu is not shown the following menu numbers changes accordingly. The name depends on the network operator.

Gallery

1. Memory card¹
2. Images
3. Video clips
4. Music files
5. Graphics
6. Tones
7. Recordings



2. Bookmarks
3. Download links
4. Last web addr.
5. Service inbox
6. Settings
7. Go to address
8. Clear the cache

Media

1. Camera
2. Media player
3. Music player
4. Radio
5. Voice recorder
6. Media equaliser

**SIM services²****Organiser**

1. Alarm clock
2. Calendar
3. To-do list
4. Notes
5. Wallet
6. Synchronisation

**Applications**

1. Games
2. Collection
3. Extras

**Web**

1. Home



-
1. This menu is not shown if no multimedia card is inserted. The following menu numbers changes accordingly. The name depends on the memory card.
 2. Only shown if supported by your SIM card. The name and contents vary depending on the SIM card.

5. Menu functions

■ Messages



You can read, write, send and save text, multimedia and SMS e-mail messages. Before you can send a message, you need to save some message settings.

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

Text messages (SMS)

Using the SMS (Short Message Service) your phone can send and receive multi-part messages, which consist of several ordinary text messages (network service).

Invoicing is based on the number of ordinary messages that are required for a multi-part message. This may affect the invoicing for the message.

You can also send and receive text messages that contain pictures. A picture message is made up of several text messages.



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.

The text messages function uses shared memory, see "[Shared memory](#)" on page 8.



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

Writing and sending messages

The number of available characters / the current part number of a multi-part message are shown on the top right of the display, for example 120/2.

1. Press **Menu**, and select *Messages*, *Text messages* and *Create message*.
2. Key in a message. To insert text templates or a picture into the message, see "[Templates](#)" on page 27. Each picture message is

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

3. To send the message, press **Send**. Enter the recipient's phone number or search for the phone number in *Contacts*.

Options for sending a message

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

With *Send to many* you can send the message to several recipients and *Send to list* sends the message to a predefined distribution list. "*Distribution lists*" see on page 26.

With *Sending profile* you can use a predefined message profile to send the message. For the message profile, see "*Writing and sending a SMS e-mail*" on page 25.

Writing and sending a SMS e-mail

Before you can send a SMS e-mail, you need to save the settings for sending SMS e-mails, see "*Writing and sending a SMS e-mail*" on page 25. To check SMS e-mail service availability and to subscribe to the service, contact your service provider. To save an e-mail address in *Contacts*, see "*Saving multiple numbers, text items or an image per name*" on page 41.

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*, key in a subject for the SMS e-mail and the e-mail message.
3. To send the SMS e-mail, press **Send**.

Reading and replying to an SMS message or an SMS e-mail

When you have received a message or an SMS e-mail, 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 old messages.

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

If more than one message has been received, select the one that you want to read. An unread message is indicated by  in front of it.

2. 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,

rename the message you are reading or to move it to another folder. Select *Copy to calendar* to copy text at the beginning of the message to your phone's calendar. Select *Message details* to view, if available, 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. When reading a picture message, select *Save picture* to save the picture in the *Templates* folder.

3. Select *Reply* to reply to a message. Select *Empty screen*, *Original text* or select a standard answer to be included in the reply. Confirm or edit the e-mail address and subject. Write your reply message.
4. Press **Send** and press **OK** to send the message to the displayed number.

Inbox and sent items 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 *Saved text msgs.*, *My folders* or *Templates* folder.

Distribution lists

If you need to send messages frequently to a fixed group of recipients, you can define a distribution list for that purpose. You can save these distribution lists in the phone's memory. Sending a message using a distribution list may cost more than to send a message to one recipient.

Press **Menu**, and select *Messages*, *Text messages* and *Distribution lists*. The names of the available distribution lists are shown.

If you have not saved any lists, press **Add** to create one. Key in the name for the list and press **OK**. Press **View** and then **Add** and select a contact from the phone's contact memory. Press **Add** again to add more contacts to the created list.

Otherwise, scroll to a list, press **View** to view the contacts on the selected list, press **Options** and you can view the details and delete the selected contact. Press **Add** to add more contacts to the list.

To display the other options of the distribution lists folder, press **Options** and you can select *Add list*, *Rename list*, *Clear list*, *Delete list*.

If a message cannot be sent to certain recipients on the distribution list, a folder *Undelivered* is shown. Select *Undelivered* and press **View** to view the list of the recipients to whom the latest message sending

failed. Press **Options** and select *Resend to list* to resend the message to the recipients on the *Undelivered* list, *Delete list* to delete the *Undelivered* list, or *View message* to view the failed message.

Templates

Your phone offers you text templates , and picture templates .

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

Saved items folder and My folders

You can organise your messages in the *Saved text msgs.* folder or in new added folders. While reading a message, press **Options**. Select *Move*, scroll to the folder where you want to move the message and press **OK**.

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

Deleting messages

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

- To delete all messages from a folder, select the folder from which you want to delete the messages and press **OK**.

- To delete all messages from all folders, select *All messages* and when *Delete all messages from all folders?* is displayed, press **OK**.

If the folder contains unread messages, the phone will ask whether you want to delete them also.

Settings for text and SMS e-mail messages

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

Press **Menu**, and select *Messages*, *Message settings*, *Text messages* and *Sending profile*. If more than one message profile set is supported by your SIM card, select the set you want to change.

Each set has the following settings: *Message centre number* (delivered from your service provider), *Messages sent via*, *Message validity*, *Default recipient number* (text messages) or *E-mail server* (e-mail), *Delivery reports*, *Use GPRS*, *Reply via same centre* (network service) and *Rename sending profile*.

Overwrite settings

Press **Menu**, and select *Messages*, *Message settings*, *Text messages* and *Overwriting in sent items* or *Overwriting in inbox*. Select *Allowed* to set the phone to replace

the old text messages with new ones in the *Sent items* or the *Inbox* folder, respectively when the text message memory is full.

Multimedia messages (MMS)



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 or a video clip. The phone supports multimedia messages that are up to 100 kB.



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, WBMP, BMP, and PNG.
- Sound: Scalable Polyphonic MIDI (SP-MIDI), AMR audio and monophonic ringing tones.
- Video clips in 3gp format with SubQCIF image size and AMR audio.

The phone does not necessarily support all variations of the aforementioned file formats.

You are not 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. 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 30.

To check availability and to subscribe to the multimedia messaging service, contact your service provider.

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

1. Press **Menu**, and select *Messages*, *Multimedia msgs.* and *Create message*.
2. Key in a message.
 - To insert a file in the message, press **Options**, select *Insert* and select the desired option from *Gallery* or select *Calendar note* or *Business card*.

- To insert a *New sound clip* directly out of your voice recorder press **Options**, select *Insert* and *New sound clip*. The voice recorder starts automatically and you can start with the recording. The new sound clip is added automatically, when you end the recording.

- Your phone supports the sending and receiving of multimedia messages that contain several pages (slides). To insert a slide in the message, press **Options**, and select *Insert* and *Slide*. Each slide can contain text, one image and one sound clip.

If the message contains several slides, you can open the desired one by pressing **Options** and selecting *Previous slide*, *Next slide* or *Slide list*. To set the interval between the slides, press **Options** and select *Slide timing*.

To move the text component to the top or bottom of the message, press **Options** and select *Place text first* or *Place text last*.

- The following options may also be available: *Delete* to delete an image, slide or sound clip from the message,

Clear text, *Preview*, *Save message*. In *More options* the following options may be available: *Insert contact*, *Insert number*, *Message details* and *Edit subject*.

3. To send the message, press **Send**, and select *Phone number*, *E-mail address* or *Many*. Depending on your operator, more options may be available.
4. Enter the recipient's phone number (or e-mail address) or search for it in *Contacts*.

While the multimedia message is being sent, the animated indicator  is displayed and you can use other functions on the phone. If the sending fails, the phone tries to resend it a few times. If this fails, the message remains in the *Outbox* folder and you can try to resend it later.

Reading and replying to a multimedia message

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.

1. Press **Show** to view the message, or press **Exit** to view it later.
2. Scroll to view the message. Press **Options** and some of the

following options may be available: *Play presentation, View text, Open image, Open sound clip or Open video clip, Save image, Save sound clip, Save video clip, Details, Delete message, Reply, Reply to all, Forward to no., Forward to e-mail or Forward to many, Edit, Message details.*

Refer also to the options in *Gallery*, see "Gallery" on page 56.

Inbox, Outbox, Saved and Sent items folders

The phone saves the received multimedia messages in the *Inbox* folder. Multimedia messages that have not yet been sent are moved to the *Outbox* folder. The multimedia messages that you wish to send later, can be saved in the *Saved items* folder. The sent multimedia messages are saved in the *Sent items* folder if the setting *Save sent messages* is set to *Yes*. See "Settings for multimedia messages" on page 30.

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

Deleting messages

To delete messages, press **Menu**, and select *Messages, Multimedia msgs.* and *Delete messages*. To delete all messages from a folder, select the folder from which you want to delete the messages and press **OK**.

If the folder contains unread messages, the phone will ask whether you want to delete them also.

Settings for multimedia messages

The message settings affect the sending, receiving and viewing of 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* to define the image size when you insert the

image to the multimedia message.

- *Default slide timing* to define the default time for slides composed for multimedia messages.
- *Allow multimedia reception*. Choose *No*, *Yes* or *In home network* to use the multimedia service. In *In home network* does not allow to receive multimedia messages when outside your home network.
- *Incoming multi-media messages*. Select *Retrieve* to automatically allow the reception of multimedia messages, *Retrieve manually* to allow the reception of multimedia message only after being prompted or select *Reject*.
- *Connection settings* to define connection settings for retrieving multimedia messages. Activate the set where you want to save the connection settings and then edit the settings. You may be able to receive the service settings as a configuration message from the service provider that offers the service. For details, contact your service provider. Refer also "Setting up the phone for a service" on page 73.
- *Allow adverts*. You can receive or reject advertisements. This setting is not shown if the *Allow*

multimedia reception is set to *No*.

E-mail messages

This e-mail application (different to the SMS e-mail function, see "Writing and sending a SMS e-mail" on page 25) allows you to access your e-mail account via the phone. The compatible e-mail system that you use in the office or at home may be supported by the e-mail function on your phone. You can write, send, and read e-mails with your phone.

Your phone supports POP3 and IMAP4 e-mail servers. Before you can send and retrieve any e-mails, you may need to do the following:

- Obtain a new e-mail account or use the current one. For availability of your e-mail account contact your e-mail service provider.
- For the settings required for e-mail, contact your e-mail service provider. To set the e-mail settings on your phone, press **Menu** and select *Messages*, *Message settings* and *E-mail messages*. See "Settings for e-mail" on page 33.

Writing and sending an e-mail

1. Press **Menu** and select *Messages*, *E-mail*, and *Create e-mail*.

2. Key in the recipient's e-mail address, a subject and the e-mail message.
3. Press **Send**. Select *Send now*.



Note: When sending e-mails, 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.

Downloading e-mail messages from your e-mail account

1. Press **Menu** and select *Messages, E-mail*, and *Retrieve* to download e-mail messages that have been sent to your e-mail account. Or:
Press **Menu** and select *Messages, E-mail, Other options*, and *Retrieve and send* to download new e-mail messages and to send e-mails that have been saved in the *Outbox* folder.
2. Your phone makes a connection to the e-mail service. A status bar is shown while your phone is downloading e-mail messages to your phone.

3. Press **Select** to view the new message in *Inbox*, or press **Back** to view it later. An unread message is indicated by .

Reading and replying to an e-mail message

Press **Menu**, select *Messages, E-mail* and *Inbox*. While reading the message, press **Options** to see the options available for this message.

To reply to an e-mail, press **Reply** and select *Original text* or *Empty screen*. Confirm or edit the e-mail address and subject, then write your reply. To send the message, press **Send** and select *Send now*.

Inbox and Other folders (Drafts, Archive, Outbox and Sent items)

Your phone saves e-mails that you have downloaded from your e-mail account in *Inbox* folder. *Other folders* contains the folders: *Drafts* for saving unfinished e-mails, *Archive* for organising and saving your e-mails, *Outbox* for saving e-mails that have not been sent, and *Sent items* for saving e-mails that have been sent.

Deleting e-mail messages

To delete e-mail messages, press **Menu** and select *Messages, E-mail Other options* and *Delete messages*.

Note that deleting an e-mail from your phone does not delete it from the e-mail server.

Settings for e-mail

The settings affect the sending, receiving and viewing of e-mail.

You may receive the e-mail settings as a configuration message from the service provider. You can also key in the settings manually.

To key in the settings manually, press **Menu** and select *Messages*, *Message settings*, and *E-mail messages*. Select *Active e-mail settings* and activate the set in which you want to save the settings. Select *Edit active e-mail settings* and edit the settings one by one:

- *Mailbox name*. Key in the name that you want to use for the mailbox.
- *E-mail address*. Key in your e-mail address.
- *My name*. Key in your name or nickname.
- *Outgoing SMTP server*. Key in the server address.
- *Incoming server type*. Select either *POP3* or *IMAP4* depending on the type of e-mail system that you are using. If both types are supported, select *IMAP4*.
- If you have selected *POP3* as a server type, then *Incoming POP3 server*, *POP3 user name*, and *POP3 password* are shown. If you have selected *IMAP4* as a server type, then *Incoming IMAP4 server*, *IMAP4 user name*, and

IMAP4 password are shown. Key in the e-mail server address for incoming e-mail, then key in the user name and password to access the e-mail account. If you have not defined a *SMTP user name* or *SMTP password* the e-mail server uses *POP3/IMAP4 user name* and password instead.

- *Other settings* and select:
 - *Include signature*. You can define a signature that is automatically added to the end of your e-mail.
 - *Use SMTP authorisation*. If your e-mail service provider requires authentication for sending e-mails, select **Yes**. In this case, you must also define your *SMTP user name* and *SMTP password*.
 - *SMTP user name*. Key in the user name for outgoing mails that you have obtained from your e-mail service provider.
 - *SMTP password*. Key in the password that you want to use for outgoing mails.
 - *Outgoing SMTP port*. Key in the number of the e-mail server port for outgoing e-mail.

If you have selected *POP3* as a server type, the following options are shown:

- *Incoming POP3 port.* Key in the port number that you have obtained from your e-mail service provider.
- *Reply-to address.* Key in the e-mail address to which you want the replies to be sent.
- *Secure login.* Select *Secure login on* if your connection requires an encrypted login, otherwise leave it to *Secure login off*. Contact your service provider if in doubt. Using encrypted login enables increased security for user names and passwords. It does not increase security for the connection itself.
- *Retrieve e-mails.* Key in the maximum number of e-mails that you want to retrieve at a time.
- *SMTP connection settings* to define the connection settings required for outgoing e-mail.
- *POP3 connection settings* to define the connection settings for incoming e-mail. See "[Setting up the phone for a service](#)" on page 73.

If you have selected *IMAP4* as a server type, the following options are shown:

- *Incoming IMAP4 port.* Key in the port number that you

have obtained from your e-mail service provider.

- *Reply-to address.* Key in the e-mail address to which you want the replies to be sent.
- *Retrieve e-mails.* Key in the number of e-mails that you want to retrieve at a time.
- *Retrieval method.* Select *Latest* if you want to retrieve all new received e-mails or select *Latest unread* if you want to retrieve only e-mails that you have not read.
- *SMTP connection settings* to define the connection settings required for outgoing e-mail.
- *IMAP4 connection settings* to define the connection settings required for incoming mail. See "[Setting up the phone for a service](#)" on page 73.

Instant messages (IM)



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

Instant messages is a way of sending short text messages that are delivered over TCP/IP protocols to online users (network service). Your contact list shows you when the contacts on the list are online and available to participate in a instant messages conversation.

Before you can use instant messages, you need to subscribe to the service. For availability, charging and subscription to the service, contact your network operator or service provider, from whom you also receive your unique ID and password and the settings for instant messages. For setting the required settings for the instant messages service, see ["IM and Presence settings"](#) on page 54. The icons and texts on the display may vary depending on the chat service.

You can use the other functions of the phone, while you have an active instant messages session in the background.

Basic steps for instant messaging

- To enter the instant messages menu (offline), see ["Entering the instant messages menu"](#) on page 36.
- To connect to the instant messages service (online), see ["Connecting to the service and disconnecting"](#) on page 36.
- To start a instant messages session with a contact, see [IM](#)

[contacts](#) in ["Starting a instant messages session"](#) on page 36.

To create you own instant messages contact lists, see ["Contacts for instant messaging"](#) on page 38.

- To join a public instant messages session, see [Groups](#) in ["Starting a instant messages session"](#) on page 36.

To join a group instant messages session via invitation message, see ["Accepting or rejecting a instant messaging invitation"](#) on page 37.

To create your own instant messaging groups, or to join or delete a public group, see ["Groups"](#) on page 39.

- To edit your own information, see ["Editing your own information"](#) on page 38.
- To search users and groups, see [Search](#) in ["Starting a instant messages session"](#) on page 36.
- To read a message for a new instant messages session, see ["Reading a instant message"](#) on page 37.
- To write and send messages during an active instant messages session, see ["Participating in a instant messages conversation"](#) on page 38.

- To view, rename or delete saved conversations, select *Saved convers.* when you have entered the *Instant messages* menu.
- To block/unblock contacts, see "Blocking and unblocking messages" on page 38.
- To disconnect from the instant messages service, see "Connecting to the service and disconnecting" on page 36.

Entering the instant messages menu

To enter the *Instant messages* menu while still offline, press **Menu**, and select *Messages* and *Instant messages*. If more than one connection setting set for instant messages services is available, select the set of the desired instant messages service. If there is only one set defined, this set will be selected automatically. Then the following options are shown: *Login* to connect to the chat service, *Saved convers.* to view, erase or rename the instant messages conversations that you have saved during the instant messages session, or *Connect settings* to edit the settings needed for messaging and presence connection.

Connecting to the service and disconnecting

To connect to the instant messages service, enter the *Instant messages* menu, activate a chat service and

select *Login*. When the phone has successfully connected, *Logged in* is displayed.



Tip: To set the phone to automatically connect to the chat service when you enter the *Instant messages* menu, connect to the service, select *My settings, Automatic login* and *On IM start-up*.

To disconnect from the instant messages service, select *Logout*.

Starting a instant messages session

Enter the *Instant Messages* menu and connect to the service. You can select

- *Conversations* to view the list of new and read instant messages or invitations to instant messages during the active instant messages session. Scroll to the message or invitation that you want and press **Open** to read the message.

 indicates the new and  the read instant messages.

 indicates the new and  read group messages.

 indicates the invitations.

- *IM contacts* includes the contacts that you have added. Scroll to the contact with whom you would like to chat and press **Chat** or press **Open** if a new contact is shown in the list. To

add contacts see "Contacts for instant messaging" on page 38.

 indicates the online and  the offline contacts in the phone's contacts memory.  indicates a blocked contact.  indicates a contact that has been sent a new message.

- **Groups** and **Public groups**. The list of bookmarks to public groups provided by the network operator or service provider is displayed. To start a instant messages session with a group, scroll to a group and press **Join**. Enter your screen name that you want to use in the conversation. When you have successfully joined the group conversation, the phone shows **Joined group:** and the group name. To create a private group, see "Groups" on page 39.
- **Search** and select **Users** or **Groups** to search for other instant messages users or public groups on the network. To start the instant messages session when you have found the user or the group, scroll to the user or the group that you want, press **Options** and select **Chat** or **Join group**.
- To start a instant messages session from **Contacts**, see "Viewing the subscribed names" on page 45.

Accepting or rejecting a instant messaging invitation

When you have connected to the instant messages service and you receive an invitation, **New invitation received** is displayed. Press **Read** to read it. If you receive more than one invitation, the number of messages followed by **new invitations received** is displayed. Press **Read**, scroll to the invitation you want, and press **Open**. Press **Accept** to join the private group conversation, or press **Options** and select **Reject** or **Delete** to reject or delete the invitation.

Reading a instant message

When you have connected to the service and you receive a message from a person who is not taking part in the conversation, **New instant message** is displayed. Press **Read** to read it. If you receive more than one message, the number of messages followed by **new instant messages** is displayed. Press **Read**, scroll to the message, and press **Open**.

New messages received during an active session are held in the **Conversations** of the **Instant messages** menu. If the message is from a person whose contact information is missing from the contact list in **IM contacts**, the sender's ID is shown. If the contact information can be found in the phone's memory for contacts and the phone recognises it, the sender's

name is shown. To save a new contact in the phone's memory, press **Options** and select *Save contact* or *Add to contact*.

Participating in a instant messages conversation

Join or start an instant messages session by pressing **Write**. Write your message and press **Send** or **↵** to send it. If you press **Options**, some of the following options are available: *View conversation, Save contact, Add to contact, Group members, End conversation, Dictionary*.

Editing your own information

Enter the *Instant messages* menu and connect to the instant messages service. Select *My settings* to view and edit your own availability information or screen name. Select *Availability* and *Available for all* or *Avail. for contacts* (or *Appear offline*) to allow all the other instant messages users or only the contacts on your instant messages contact list to see you as being online when you have connected to the instant messages service. When you are connected to the instant messages service,  indicates that you are online and  that you are not visible to others.

Contacts for instant messaging

To add contacts to the instant messages contacts list, connect to

the instant messages service and select *IM contacts*. If the contacts list is empty the phone displays *Contact list empty. Copy contacts from server?* to retrieve available contacts from the server. Otherwise press **Options** and select *Add contact*, or if you have no contacts added, press **Add**. Select *Enter ID manually, Search from serv., From contacts*, or *Copy from server* to add a new contact. When the contact is added, the phone displays *Added to IM contacts:* and the contact name.

Scroll to a contact, and press **Chat** to start to chat, or press **Options** and select *Contact info, Edit name, Block contact* (or *Unblock contact*), *Add contact, Remove contact, Copy to server*, or *Availability alerts*.

Blocking and unblocking messages

Connect to the chat service and select *Conversations* or *IM contacts*. Highlight the contact in the contacts list from whom you want to block incoming messages. Press **Options**, select *Block contact* and press **OK**.

To unblock the messages, connect to the instant messages service and select *Blocked list*. Scroll to the contact from whom you want to unblock the messages and press **Unblock**.

Groups

You can create your own private groups for a instant messages session, or use the public groups provided by the service provider. The private groups exist only during an active instant messages session. You can add to a private group only the contacts that are in your contact list and thus in the phone's contacts memory. If the server you are logged into does not support group services all groups related menus are dimmed.

Public groups

You can bookmark public groups that your service provider may maintain. Connect to the instant messages service, select *Groups* and *Public groups*. Scroll to a group that you want to chat with and press **Join**. If you are not in the group, key in your screen name as your nickname for the group. If you press **Options**, you can select *Delete group* to delete a group from your group list.

Creating a private group

Connect to the instant messages service, select *Groups* and *Create group*. Key in the name for the group and the screen name for yourself that you want to use for the group. Mark from the contacts list your private group members and key in an invitation to newly added members.

Voice messages

The voice mailbox is a network service and you may need to subscribe to it. For details, contact your service provider.

Press **Menu**, and select *Messages* and *Voice messages*. To call your voice mailbox, select *Listen to voice messages*. To key in, search for or edit your voice mailbox number, select *Voice mailbox number*.

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



Tip: Pressing and holding **1#** calls your voice mailbox if you have the number set.

Info messages

With the network service you may be able to receive messages on various topics. For details, contact your service provider.

Service commands

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

■ Call register



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

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

Recent calls lists

When you press **Options** in the *Missed calls*, *Received calls* or *Dialled numbers* menu, you can view the time of the call, edit, view or call the registered phone number, add it to the memory, or delete it from the list. You can also send a text message. Select *Delete recent call lists* to delete the recent calls lists.

Counters and timers for calls, data and messages



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*, *GPRS data counter*, *GPRS connection timer*, *Message counter* for approximate information on your recent communications.

Positioning information

Some networks allow to request the position of the phone (network service). This menu allows you to view the received position requests from the network operator. Contact your network operator or service provider to subscribe and to agree upon the delivery of location information.

■ Contacts



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

- The phone's memory may save names with numbers and text notes about each name. You can also save an image for a certain number of names. Contacts use shared memory, see "[Shared memory](#)" on page 8.
- Names and numbers saved in the SIM card's memory, are indicated by .

In dynamic contacts (Presence) you can publish your current availability status to communicate to anyone who has access to this service and who is requesting this information.

Searching for a contact

Press **Menu** and select *Contacts* and *Search*, or to quickly find a contact name, press  in standby mode.

In addition the following options may also be available:

- *Add new contact* and *Delete*.
- *Copy* to copy names and phone numbers from the phone's contact directory to the SIM card's memory, or vice versa.
- *Settings* to select how the names and numbers in contacts are displayed. Select *Memory status* to view the free and used memory capacity.
- *Speed dials* to assign a number to a speed dialling key. To activate speed dialling see "Call settings" on page 52.
- *Info numbers* to call the information numbers of your service provider if the numbers are included on your SIM card (network service).
- *Service numbers* to call the service numbers of your service provider if the numbers are included on your SIM card (network service).
- *My numbers* to view the phone numbers assigned to your SIM card. Only shown if your SIM card supports this feature, and there are actually numbers stored under 'My numbers' on the SIM card.
- *Caller groups* to arrange the names and phone numbers saved

in the memory into caller groups with different ringing tone.

Saving names and phone numbers (Add new contact)

Names and numbers will be saved in the used memory. Press **Menu** and select *Contacts* and *Add new contact*. Enter the name and the phone number. When the name and number are saved, press **Done**.

Saving multiple numbers, text items or an image per name

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

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 contacts, 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*.
2. Scroll to the name saved in the phone's internal memory for the contact to which you want to add a new number or text item, and press **Details**.

3. Press **Options** and select *Add number*, *Add detail* or *Add image*.
4. To add a number or detail, select one of the number types or text types, respectively, or select an image from *Gallery*.

If you select the text type *User ID*: Select *Search* to search for an ID by a mobile phone number or an e-mail address in the server of the operator or service provider if you have connected to the presence service. See "My presence" on page 42. If only one ID is found, it is automatically saved. Otherwise, to save the ID, press **Options**, and select *Save*. To key in the ID, select *Enter ID manually*. Key in the ID and press **OK** to save it.

To change the number or text type, select *Change type* in the options list. To set the selected number as the default number, select *Set as default*.

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

Editing or deleting details in the contacts

Search for the contact you want to edit or delete and press **Details**. Scroll to the name, number, text

item or image you want to edit or delete and press **Options**.

- To edit a name, number or text item or to change image, select *Edit name*, *Edit number*, *Edit detail* or *Change image*, respectively.

Note that you cannot edit or delete an ID when it is on the *IM contacts* or in the *Subscribed names* list.

- To delete a number or text item, select *Delete number* or *Delete detail*, respectively.
- To delete an image attached to the contact, select *Delete image*. Deleting an image from contacts does not delete it from *Gallery*.

My presence

With the presence service (network service) you can share your presence status with other users, for example your family, friends and colleagues with compatible devices and access to the service. Presence status includes your availability, status message and personal logo. Other users who have access to the service and who are requesting your information are able to see your status. The requested information is shown in *Subscribed names* in the viewers *Contacts* menu. You can personalize the information that you want to share with others and control who can see your status.

Before you can use presence, you need to subscribe to the service. To check the availability, charging and to subscribe to the service, contact your network operator or service provider, from whom you also receive your unique ID and password and the settings for the service. To set the required settings for the presence service, see "IM and Presence settings" on page 54. While you have connected to the presence service, you can use the other functions of the phone, and the presence service is active in the background.

Press **Menu** and select *Contacts* and *My presence*. Select

- *Connect to 'My presence' service* (or *Disconnect*) to connect to (or to disconnect from) the service.
- *My current presence* to change your presence status. Select
 - *View current presence* and select *Private pres.* or *Public presence* to view your current private or public status.
 - *My availability* to set your availability status to *Available* indicated by , or to *Busy* indicated by , or to *Not available* indicated by .
 - *My presence message* and key in the text to be shown to other persons or press **Options** and select *Previous msgs.* and select an old

message as the status message.

- *My presence logo* to select your personal logo from the *Graphics* folder in the gallery. If you select the *Default*, the logo is not published.
- *Show to* to select the groups to whom you want to show your presence status or if not to show them.

Select *Private and public* and contacts in your private list are able to see all your presence information: availability, status message and logo. Other contacts can see only your availability.

Select *Private viewers* and the contacts in your private list can see all your presence information (availability, status message and logo). Other users will not see any information.

If you select *No one*, no one can see your presence information.

- *Viewers* and select
 - *Current viewers* to view all the persons who have subscribed to your presence information
 - *Private list* is a list of the persons who are allowed to view all your presence

information, including availability, status message and logo. You can manage your own private list. Other persons who are not in the private list, can see only your availability.

- *Blocked list* to view all the persons you have blocked from viewing your presence information.
- *Settings* and select
 - *Show current presence in idle* to show the current status indicator in standby mode.
 - *Synchronise with profiles* to select whether you want to update your *My presence message* and *My availability* manually or automatically by linking them to the currently active profile. Refer also to "Profiles" on page 47. Note that you cannot link a personalized status logo to a Profile.
 - *Connection type* to select if the phone connects automatically to the service when the phone is switched on.
- *Connect. settings*, see "IM and Presence settings" on page 54.

Subscribed names

You can create a list of contacts whose presence status information you want to be aware of. You can view the information if the contacts allow you to view it and if it is not prevented by the contact or network. You can view these subscribed names either by scrolling through the contacts or via the *Subscribed names* menu.

Make sure that the memory in use is either *Phone* or *Phone and SIM*.

To connect to the Presence service, press **Menu** and select *Contacts, My presence* and *Connect to 'My presence' service*.

Adding contacts to the subscribed names

1. Press **Menu** and select *Contacts* and *Subscribed names*. If you have not connected to the Presence service, the phone asks if you want to connect now.
2. If you have no contacts on your list, press **Add**. Otherwise, press **Options** and select *Subscribe new*. The list of your contacts is shown.
3. Select a contact from the list and if the contact has an user ID saved, the contact is added to the subscribed names list. If there are more than one ID, select one of them. After subscription to the

contact, *Subscription activated* is shown.



Tip: To subscribe to a contact from *Contacts* list, press  in standby mode and scroll to the contact you want to subscribe to. Press **Details** and press **Options**. To subscribe, select *Request presence* and select *As subscription*.

If you only want to view the presence information but not to subscribe to a contact, select *Request presence* and *One time only*.

Viewing the subscribed names

Refer also to "Searching for a contact" on page 40 to view the presence information.

1. Press **Menu** and select *Contacts* and *Subscribed names*.

The status information of the first contact on the subscribed names list is displayed. The information that the person wants to give to the others may include text and some of the following icons:

,  or  indicate that the person is either available, discreet or not available.

 indicates that the person's presence information is not available.

2. Press **Details** to view the details of the selected contact, or press **Options** and select

- *Subscribe new* to add a new contact to the list of subscribed names.
- *Chat* to start a instant messages conversation.
- *Send message* to send a text message or a multimedia message to the selected contact.
- *Send SMS e-mail* to send an e-mail to the selected contact.
- *Send bus. card* to send a business card from the selected contact.
- *Unsubscribe* to remove the selected contact from the list of subscribed names.

Unsubscribing a contact

- To unsubscribe a contact from the *Contacts* list, press  in standby mode and scroll to the contact you want to unsubscribe. Press **Details** and select the ID and press **Options**. To unsubscribe, select *Unsubscribe* and press **OK** to confirm.
- To unsubscribe via the *Subscribed names* menu, see "Viewing the subscribed names" on page 45.

Sending and receiving a business card

You can send and receive a person's contact information from a compatible device that supports the vCard standard as a business card.

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

To send a business card, search for the name and phone number you want to send from contacts, press **Details** and **Options** and select *Send bus. card*. Select *Via infrared*, *Via text message*, *Via multimedia* or *Via Bluetooth*.

Speed dials

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

Press **Assign**, or if a number has already been assigned to the key, press **Options** and select *Change*. Press **Search**, and select first the name and then the number you want to assign. If the *Speed dialling* function is off, the phone asks whether you want to activate it. See also *Speed dialling* in "Call settings" on page 52.

To make a call using the speed-dialling keys, see "Speed dialling a phone number" on page 17.

Voice dialling

You can make a phone call by saying a voice tag that has been added to a phone number. Any spoken word(s), such as a person's name(s), can be a voice tag. You can add up to 25 voice tags.

Before using voice dialling, note that:

- Voice tags are not language dependent. They are dependent on the speaker's voice.
- Voice tags are sensitive to background noise. Record them and make calls in a quiet environment.
- When recording a voice tag or making a call by saying a voice tag, hold the phone in the normal position near to your ear.
- Very short names are not accepted. Use long names and avoid similar names for different numbers.



Note: You must say the name exactly as you said it when you recorded it. This may be difficult in, for example, a noisy environment or during an emergency, so you should

not rely solely upon voice dialling in all circumstances.

Adding and managing voice tags

Save or copy in the phone's memory the contacts, to which you want to add a voice tag. You can also add voice tags to the names in the SIM card, but if you replace your SIM card with a new one, you first need to delete the old voice tags before you can add new ones.

Voice tags use shared memory, see "[Shared memory](#)" on page 8.

1. In standby mode, press .
2. Scroll to the contact to which you want to add a voice tag and press **Details**. Scroll to the phone number you want and press **Options**.

3. Select **Add voice tag**.
4. Press **Start**, and say clearly the word(s) you want to record as a voice tag. After recording, the phone plays the recorded tag. When the voice tag has been successfully saved, **Voice tag saved** is displayed, a beep sounds and a symbol  appears after the phone number with a voice tag.

To check the voice tags, press **Menu** and select **Contacts** and **Voice tags**. Scroll to the contact with the voice tag that you want, and select an

option to listen to, delete or change the recorded voice tag.

Making a call by using a voice tag

If the phone has an application using the GPRS connection sending or receiving data, first end the application to make a call by using voice dialling.

1. In standby mode, press and hold the volume down key. A short tone is heard and **Speak now** is displayed.
2. Say the voice tag clearly. The phone plays the recognised voice tag and then dials the phone number of the voice tag after 1.5 seconds.

If you are using a compatible headset with the headset key, press and hold the headset key to start the voice dialling.

Settings



Profiles

Your phone has various setting groups, called profiles, for which you can customise the phone tones for different events and environments.

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

- To activate the selected profile, select **Activate**.

- To set the profile to be active until a certain time up to 24 hours, select *Timed* and set the time the profile setting shall end. 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.

To change your presence status information, select *My presence* and *My availability* or *My presence message* to edit your status message.

Tone settings

You can change the settings of the selected active profile.

Press **Menu**, and select *Settings* and *Tone settings*. Select and change *Incoming call alert*, *Ringing tone*, *Ringing volume*, *Vibrating alert*, *Message alert tone*, *Instant message alert tone*, *Keypad tones* and *Warning tones*. You can find the same settings in the *Profiles* menu, see "Profiles" on page 47.

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**.

Display settings

Press **Menu**, and select *Settings* and *Display settings*.

- Select *Wallpaper* to set your phone to display a background image, (wallpaper) when the phone is in standby mode. Select *Select wallpaper* and choose an image from *Gallery*.
- Select *Colour schemes* to change the colour in some display components, for example indicators and signal and battery bars.
- Select *Menu view* to set the way the phone displays the main menu.
- Select *Operator logo* to set your phone to display or hide the operator logo.
- Select *Screen saver* and *Select s. saver* to choose an animation or a still image as screen saver from *Gallery*. Select in *Time-out* after which time the screen saver will be activated. Select *On* to activate the screen saver. Independent of the screen saver settings, for power saving a digital clock view will be activated when for a certain time no function of the phone has been used. See "Power saving" on page 14.

Time and date settings

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

Select *Clock* to set the phone to show the clock in standby mode, adjust the clock and select time zone and the time format.

Select *Date* to set the phone to show the date in standby mode, set the date, and select the date format and date separator.

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

Personal shortcuts

With personal shortcuts you get quick access to often used functions of the phone.

Right selection key

Press **Menu**, and select *Settings*, *Personal shortcuts* and *Right selection key* and set one phone function from a predefined list to the right selection key. Refer also to "*Standby mode*" on page 14. This menu is not shown in some operator variants.

Voice commands

You can have phone functions which can be activated by saying a voice tag. Up to 16 functions can be selected to add a voice tag.

Press **Menu**, and select *Settings*, *Personal shortcuts* and *Voice commands*. Select the function folder you want, scroll to the function to which you want to add a voice tag and press **Add**. A voice tag is indicated with .

To add a voice command, refer to "*Adding and managing voice tags*" on page 47. To activate a voice command, refer to "*Making a call by using a voice tag*" on page 47.

Connectivity

You can connect the phone to a compatible device via infrared or Bluetooth wireless technology connection. You can also define the settings for (E)GPRS dial-up connections.

Bluetooth wireless technology

The phone supports Bluetooth wireless technology which allows you to connect the phone to a compatible Bluetooth device within 10 meters.

The phone supports also the Bluetooth technology SIM access profile. This Bluetooth profile allows you to connect to compatible devices, like the Nokia 610 car kit phone. When the SIM access profile is active, *Remote SIM mode* is shown on the phone display to indicate that the phone is disconnected from the GSM

network, and thus, all phone functions are deactivated.

For compatibility between your phone and another device with Bluetooth technology, consult the device's documentation and your Nokia dealer. In some countries, there may be restrictions on using Bluetooth devices. Check with your local authorities.



Note: Using Bluetooth technology 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.

Setting up a Bluetooth connection

1. Press **Menu**, and select *Settings*, *Connectivity* and *Bluetooth*.
2. To activate the Bluetooth function, select *Bluetooth* and *On*. The active Bluetooth connection is indicated by
3. Select *Search for audio enhancements* to search for compatible Bluetooth audio devices and select the device that you want to connect to the phone or select *Paired devices* to search for any Bluetooth device in range. Press **New** to list any Bluetooth device in range. Scroll to a device and press **Pair**.

4. Enter the Bluetooth passcode of the device to associate ('pair') and connect the device to your phone and start using the device. You only need to give this passcode when you connect to the device for the first time.

Bluetooth wireless connection

Press **Menu**, and select *Settings*, *Connectivity* and *Bluetooth*. Select *Active device* to check which Bluetooth connection is currently active. Select *Paired devices* to view a list of Bluetooth devices that are currently paired with the phone.

Press **Options** to access some of the following functions depending on the status of the device and the Bluetooth connection. Select *Connect*, *Assign short name* or *Auto-conn. with- out confirmation*.

Bluetooth settings

Press **Menu**, and select *Settings*, *Connectivity*, *Bluetooth*. and *Bluetooth settings* to define how your phone is shown to other Bluetooth devices. Select *My phone's visibility* or *My phone's name*.

Infrared

You can set up the phone to receive data through its infrared (IR) port. To use an IR connection, the device with which you want to establish a connection must be IrDA compliant. You can send or receive data such as

business cards, graphics, images, sound clips, videos and calendar notes to or from a compatible phone or data device (for example, a computer) via the IR port of your phone.

Do not point the IR (infrared) beam at anyone's eye or allow it to interfere with other IR devices. This device is a Class 1 Laser product.

Sending and receiving data via IR

- Ensure that the IR ports of the sending and receiving devices are pointing at each other and that there are no obstructions between the devices.
- To activate the IR port of your phone to receive data via IR, press **Menu**, and select *Settings*, *Connectivity* and *Infrared*.
- The user of the sending phone selects the desired IR function to start data transfer.

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

IR connection indicator

- When  is shown continuously, the IR connection is activated and your phone is ready to send or receive data via its IR port.
- When  blinks, your phone is trying to connect to the other

device or a connection has been lost.

(E)GPRS

GPRS (General Packet Radio Service) is a network service that allows mobile phones to be used for sending and receiving data over an Internet Protocol (IP) -based network. GPRS is a data bearer that enables wireless access to data networks such as the Internet.

EGPRS (Enhanced GPRS) is similar to GPRS but enables faster connections. For more information on availability of (E)GPRS and data transfer speed, contact your network operator or service provider.

The applications that may use (E)GPRS are MMS, video streaming, browsing sessions, e-mail, remote SyncML, Java application downloading and the PC dial-up (for example, Internet and e-mail).

Note that when you have selected GPRS as a data bearer, the phone uses EGPRS instead of GPRS if this is available in the network. You cannot select between EGPRS and GPRS but for some applications you may be able to select either GPRS or *GSM data* (CSD, Circuit Switched Data).

(E)GPRS connection

Press **Menu**, and select *Settings*, *Connectivity*, *GPRS* and *GPRS connection*.

- Select *Always online* to set the phone to automatically register to a (E)GPRS network when you switch the phone on. When the (E)GPRS service is available, the indicator  is shown on the top left of the display.

If you receive a call or a text message, or make a call during a (E)GPRS connection, the indicator  will be shown on the top right of the display to indicate that the (E)GPRS connection is suspended (on hold).

- Select *When needed* and the (E)GPRS registration and connection are established when an application using (E)GPRS needs it and closed when you end the application.

(E)GPRS modem settings

You can connect the phone via Bluetooth wireless technology, infrared or a data cable connection to a compatible PC and use the phone as a modem to enable (E)GPRS connectivity from the PC.

To define the settings for (E)GPRS connections from your PC, press **Menu**, and select *Settings*, *Connectivity*, *GPRS* and *GPRS modem settings*. Select *Active access point* and activate the access point you want to use, then select *Edit active access point*. Select *Alias for access point* and key in a name

to change the access point settings. Select *GPRS access point* and key in the Access Point Name (APN) to establish a connection to a (E)GPRS network

You can also set the (E)GPRS dial-up service settings (Access Point Name) on your PC using the Nokia Modem Options software, see "*PC Suite*" on page 81. If you have set the settings both on your PC and on your phone, note that the PC's settings will be used.

Call settings

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

- *Call divert* (network service) to divert your incoming calls.
- *Anykey answer* and *On* and you can answer an incoming call by briefly pressing any key, except , selection keys  and , and .
- *Automatic redial* and *On* and your phone will make a maximum of ten attempts to connect the call after an unsuccessful call attempt.
- *Speed dialling* and *On* and the names and phone numbers assigned to the speed-dialling keys, from **2**abc to **9**wxyz, can be dialled by pressing and holding the corresponding number key.

- *Call waiting* and *Activate* and the network will notify you of an incoming call while you have a call in progress (network service). See "*Call waiting*" on page 18.
- *Summary after call* and *On* and the phone will briefly display the duration and cost (network service) of the call after each call.
- *Send my caller ID* (network service) and select *Yes* or *Set by network*.
- *Line for outgoing calls* (network service) to select the phone line 1 or 2 for making calls. Only shown if supported by your SIM card.
- *Automatic keyguard* to set the keypad of your phone to lock automatically after a pre-set time delay when the phone is in standby mode and no function of the phone has been used. Select *On* and you can set the time from 5 seconds to 60 minutes.
- *Security keyguard*, enter the security code and select *On* to set the phone to ask for the security code when you unlock the 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 **⏏**. The number is displayed only after you have keyed in its last digit.

Phone settings

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

- *Phone language* to set the display language of your phone. If you select *Automatic* the phone selects the language according to the information on the SIM card.
- *Memory status* and select one of the following items:
 - *Phone* to view the free memory or the used memory of your phone.
 - *Memory card* to view the free memory, the used memory and the total size of your memory card.
- *Cell info display* and *On* to receive information from the network operator depending on the network cell used (network service).
- *Welcome note* and key in the note you would like to be shown briefly when the phone is switched on.
- *Operator selection* and *Automatic* and the phone automatically selects one of the

cellular networks available in your area. With *Manual*, you can select a network that has a roaming agreement with your home network operator.

- *Confirm SIM service actions*. See "SIM services" on page 79.
- *Help text activation* to set the phone to show or not to show the help texts.
- *Start-up tone* to set the phone to play or not to play a start-up tone when the phone is switched on.

IM and Presence settings

You may receive the settings required as a configuration message from the service provider that offers the service. You can also key in the settings manually.

To key in the settings manually, press **Menu**, and select *Settings, IM and my presence settings*. Select *Current IM and presence settings* and activate the set in which you want to save the settings. Select *Edit current IM and presence settings* and edit the settings one by one.

Enhancement settings

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

Press **Menu**, and select *Settings and Enhancement settings*. You can select an enhancement menu if the

corresponding enhancement is or has been connected to the phone. Depending on the enhancement, you can select some of the following options:

- *Default profile* to select the profile that you want to be automatically activated when you connect to the selected enhancement.
- *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.
- *Lights* to set the lights permanently *On*. Select *Automatic* to set the lights on for 15 seconds after a keypress.
- When the phone is connected to the full car kit, select *Ignition detector* and *On* to automatically switch off the phone approximately 20 seconds after you have switched off the car's ignition.
- For *Text phone*, select *Use text phone* and select *Yes* to use the text phone settings instead of headset or loopset settings.

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 to selected phone numbers if this function is supported by your SIM card.
- **Closed user group** (network service) to specify a group of people whom you can call and who can call you.
- **Security level**. Select **Phone** and the phone will ask for the security code whenever a new

SIM card is inserted into the phone.

Select **Memory** and the phone will ask for the security code when the SIM card's memory is selected and you want to change the memory in use.

- **Access codes** to change the security code, PIN code, PIN2 code or barring password.

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. Note that the data you have keyed in or downloaded, for example, the names and phone numbers saved in contacts are not deleted.

Operator menu

This menu lets you access a portal to services provided by your network operator. The name and the icon depends on the operator. For more information contact your network operator. If this menu is not shown the following menu numbers changes accordingly.

The operator can update this menu with a service message. For more information refer to "**Service inbox**" on page 76.

Gallery



In this menu you can manage graphics, images, recordings and tones. These files are arranged in folders.



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.

Your phone supports an activation key system to protect acquired content. Always check the delivery terms of any content and activation key before acquiring them, as they may be subject to a fee.

The files stored in *Gallery* use a memory that has a capacity of approx. 8 MByte in the phone. A compatible multimedia card can be used to extend the memory capacity to store images, ringing tones, video clips and sound clips in gallery. Please note that it is not possible to store Java games and applications on the multimedia card.

1. Press **Menu** and select *Gallery*. A list of folders is shown. *Images*, *Video clips*, *Music files*, *Graphics*, *Tones* and *Recordings* are the original folders on the phone. If a Multimedia card is inserted in the phone, a multimedia card icon is shown.

2. Scroll to the desired folder and press **Open** to view a list of files in the folder or press **Options** and one of the following options may be available:

Delete folder, Move, Rename folder, Details, Type of view, Sort, Add folder, Memory status, Activation key list and *Downloads*.

With a multimedia card additional options may be available: *Set password* (to protect the multimedia card against unauthorised use with other devices), *Change password, Delete password, Rename mem. card* and *Format mem. card*.



Warning: Formatting your multimedia card will delete all files and folders stored on it.

3. If you have opened a folder, select the file you want to view and press **Open** or press **Options** and use one of the following functions that may be available for the selected file:
 - *Delete, Send, Edit image, Move, Rename, Set as wallpaper, Set as ring tone, Details, Type of view, Sort, Delete all, Open in sequence, Play, Zoom, Mute audio (Unmute audio), Set contrast, Add folder, Memory status.*

- *Send* to send the selected file via multimedia (MMS), infrared connection, or Bluetooth wireless technology.
- *Delete all* to delete all the files and folders in the selected folder.
- *Edit image* to insert text, a frame or clip-art into the selected picture or to crop the image.
- *Open in sequence* to view the files in the folder one by one.
- *Play* to listen to or to view a sound or image file that is contained in the message.
- *Zoom* to increase the size of the image that is contained in the message.
- *Mute audio (Unmute audio)* to mute (unmute) the sound file.
- *Set contrast* to adjust the contrast level of the image.
- *Activate content* to update the activation key of the selected file. The option is only shown if the activation key updating is supported by the file.
- *Activation key list* to view the list of all available activation keys. You can delete the activation keys, for example delete the expired ones.

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

Media



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

Camera



Note: Obey all local laws governing the taking of pictures. Do not use this feature illegally.

You can take photos or record video clips with the phone's built-in camera. The camera produces pictures in JPEG format and the video clips in 3GP format.

Taking a photo

Press **Menu**, and select *Media*, *Camera* and *Standard photo*, *Portrait photo* or *Night mode*. Press **Capture**. The phone saves the photo in the *Images* folder of the *Gallery* menu if *Default folder* is selected. With *Other folder* you can select another folder.

Select **Back** to take another photo, or press **Options** and select, for example, an option to delete or rename the saved photo, send it as a multimedia message, or attach the photo to a name or phone number in contacts, or access the gallery.

Recording a video clip

Press **Menu**, and select *Media*, *Camera* and *Video*. Press **Record**. To pause the recording, press **Pause** and to resume the recording, press **Continue**. To stop the recording, press **Stop**. The phone saves the recording in the *Video clips* folder of the *Gallery* menu if *Default folder* is selected.

Camera settings

Press **Menu**, and select *Media*, *Camera* and *Settings*. Select *Image quality*, *Video clip length*, *Camera sounds*, *Default title* or *Image storage*.

Media player

With the media player you can view, play and download files, for example images, audio, video and animated images from different kinds of sources. In addition it allows you to see compatible streaming videos from a network server (network service).

Press **Menu**, and select *Media* and *Media player*. Select *Open gallery*,

Bookmarks, *Go to address* or *Media downloads*.

Setting up the phone for a streaming service

You may receive the streaming settings as a configuration message from the service provider that offers the service. For details, contact your service provider. You can also key in the settings manually or add and edit the settings with PC Suite.

To key in the settings manually, press **Menu**, and select *Media*, *Media player* and *Streaming sett.*. Select *Active connection settings*. and activate the set in which you want to save the settings. Select *Edit active connec- tion settings* and edit the settings one by one.

Music player

Your phone includes a music player for listening to music tracks, recordings or other MP3 or AAC sound files that you have transferred to the phone with the Nokia Audio Manager application. Music files stored in a folder in the phone's memory or in a folder of the multimedia card, will automatically be detected and added to the default track list.

Press **Menu**, and select *Media* and *Music player*.

Playing the music tracks transferred to the phone

When you open the *Music player* menu, the details of the first track on the default track list are shown. To play a track, scroll to the track that you want and press **Play** or press ▶ .

To adjust the volume level, use the volume keys on the side of the phone.

To stop the playing, press **Stop** or press ◀ .

To skip to the beginning of the next track, press ▼ down. To skip to the beginning of the previous track, press ▲ twice.

To rewind the current track, press and hold ▲ . To fast forward the current track, press and hold ▼ . Release the key at the position you want.



Warning! Listen to music at a moderate level.

Continuous exposure to high volume may damage your hearing.

Settings for the music player

In the *Music player* menu the following options may be available:

- *Play options*: Select *Random* to play the tracks on the track list in random order. Select *Repeat* to play the current track or the entire track list repeatedly.

- *Music downloads*: You can connect to a browser service related to the current track. This function is only available when the address of the service is included in the track.
- *Loudspeaker*: You can listen to the music player via the phone's loudspeaker.
- *Headset*: You can listen to the music player via a compatible headset connected to the phone.



Tip: When using a headset, you can skip to the next track by pressing the headset key quickly.

- *Track list*: You can view all the tracks available on the track list and play the desired track. To play a track, scroll to the desired track and press **Play** or press ▶ .

If you press **Options**, you can refresh the track list (for example after adding new tracks to the list) and change the track list that is shown when you open the *Music player* menu, if several track lists are available in the phone.

Radio

To listen to the radio on your phone connect the compatible headset to the headset connector on the bottom of the phone. The lead of the headset functions as the radio antenna, so let it hang freely.

1. To turn on the radio, press **Menu** and select *Media* and *Radio*. The channel location number and the name of the radio channel (if you have saved the channel) and the frequency of the radio channel are displayed.
2. If you have already saved radio channels, you can scroll to the channel you would like to listen to, or select a radio channel location 1 to 9 by pressing the corresponding number key.

Tuning a radio channel

When the radio is on, press and hold \downarrow or \uparrow to start the channel search. Searching stops when a channel is found. To save the channel, press **Options**, and select *Save channel*. Enter the name of the channel and select the location where you want to save the channel.

Using the radio

When the radio is on, press **Options** and select

- *Switch off* to turn off the radio.
- *Save channel* to save the radio channel you have found, refer to "Tuning a radio channel" above. Up to 20 radio channels can be saved.
- *Automatic tuning*. Briefly press \downarrow or \uparrow to start the channel search upwards or downwards. The search stops when a channel has been found, press **OK**. To save

the channel, see *Save channel* above.

- *Manual tuning*. Briefly press \downarrow or \uparrow to move the channel search 0.05 MHz upwards or downwards or press and hold down the keys to quickly search upwards or downwards for a channel. To save the channel, press **OK** and see *Save channel* above.
- *Set frequency*. Enter the frequency of the radio channel you would like to listen to (between 87.5 MHz and 108.0 MHz). To save the channel, see *Save channel* above.
- *Delete channel*. To delete a saved channel.
- *Rename*. Enter a new name for the saved channel.
- *Loudspeaker* (or *Headset*) to listen to the radio using the loudspeaker (or headset). Keep the headset connected to the phone. The lead of the headset functions as the radio antenna.
- *Mono output* (or *Stereo output*) to listen to the radio in mono (or in stereo).

You can normally make a call or answer an incoming call while listening to the radio. During the call the volume of the radio is muted.

When an application using a (E)GPRS or HSCSD connection is

sending or receiving data, it may interfere with the radio.

Voice recorder

You can record pieces of speech, sound or an active call for three minutes. For example, this is useful when recording a name and phone number for writing them down later.



Note: Obey all local laws governing recording of calls. Do not use this feature illegally.

Recording

1. Press **Menu**, select *Media* and *Voice recorder*.
2. To start the recording, select *Record*. To start the recording during a call, press **Options**, and select *Record*. While recording a call, all parties to the call will hear a faint beeping sound approximately every five seconds. When recording a call, hold the phone in the normal position near to your ear.
3. To end the recording, press **Stop**. The recording will be saved in the *Recordings* folder of the *Gallery* menu.
4. To listen to the latest recording, select *Play last recorded*.
5. To send to the latest recording, select *Send last recorded*. The recording can be sent via IR, Bluetooth or MMS.

List of recordings

Press **Menu**, and select *Media*, *Voice recorder* and *Recordings list*. The list of folders in the *Gallery* is shown. Open *Recordings* to see the list with recordings. Press **Options** and you can select some of the options for files in the *Gallery*. See "Gallery" on page 56.

Defining store folder

To select another folder than the default folder *Recordings* in the *Gallery* menu, press **Menu**, and select *Media*, *Voice recorder* and *Select memory*. Select a folder from the list of folders in *Gallery*.

Media equaliser

With the equaliser you can control the sound quality when using the music player by amplifying or attenuating frequency bands.

Press **Menu**, and select *Media* and *Media equaliser*.

To activate a set, scroll to one of the equaliser sets and press **Activate**.

To view or edit a selected set, press **Options** and select *View*, *Edit* or *Rename*. Not all sets can be edited or renamed.

■ Organiser



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

Alarm clock

You can set the phone to alarm at a desired time. Press **Menu**, and select *Organiser* and *Alarm clock*.

To set the alarm, select *Alarm time*, and enter the alarm time. To change the alarm time when the alarm time is set, select *On*. Select *Repeat alarm* to set the phone to alert you on selected days of the week.

Select *Alarm tone* and select the default alarm tone, personalise the alarm tone by selecting one from the ringing tone list or from Gallery, or set a radio channel as the alarm tone. If you select the radio as an alarm tone, connect the headset to the phone. The phone uses the most recently listened-to channel as an alarm tone via the loudspeaker. If the headset is removed or the phone is switched off, the default alarm tone will be used instead of the radio.

When the alarm time expires

The phone will sound an alert tone, and flash *Alarm!* and the current time on the display, even if the phone was switched off. 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.

Calendar

The calendar uses shared memory, see "*Shared memory*" on page 8.

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

The current day is indicated by a frame. If there are any notes set for the day, the day is in bold type. To view the day notes, press *View*. To view a week, press **Options** and select *Week view*.

To view a single note, press **View**. Other options for the calendar view may be options for making a note, for deleting, editing, moving and repeating a note and for copying a note to another day, or for sending a note via IR, Bluetooth, or as a note directly to another compatible phone's calendar or as a text message or a multimedia message. In **Settings** you can set the date, time, time zone, date or time format, or the first day of the week. In the **Auto-delete notes** option you can set the phone to delete old notes automatically after a specified time.

To delete all notes in the calendar, select the month or week view, press **Options** and select **Delete all notes**.

Making a calendar note

Press **Menu**, and select **Organiser** and **Calendar**. Scroll to the date you want, press **Options** and select **Make a note**. Select one of the following note types:  **Meeting**,  **Call**,  **Birthday**,  **Memo** or  **Reminder**.

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 to view the note, press **View**. Press **Snooze** and the phone sounds an alarm after ten minutes

again. To stop the alarm without viewing the note, press **Exit**.

To-do list

You can save a note for a task that you have to do.

The to-do list uses shared memory, see "**Shared memory**" on page 8.

Press **Menu**, and select **Organiser** and **To-do list**.

Press **Add note** to make a note. Key in the note and press **Save**. Select the priority for the note, **High**, **Medium**, or **Low**. The phone automatically sets the deadline without an alarm for the note. To change the deadline, view the note and select the deadline option.

You can also view and delete the selected note and delete all the notes that you have marked as done. You can sort the notes by priority or by deadline, send a note to another phone as a text message or a multimedia message, save a note as a calendar note, or access the calendar.

While viewing a note, you can also, for example, select an option to edit the selected note, edit the deadline or priority for the note, or mark the note as done.

Notes

You can use this application for writing and sending notes to

compatible devices via IR, Bluetooth, SMS or MMS.

The Notes application uses shared memory, see "Shared memory" on page 8.

Press **Menu** and select *Organiser* and *Notes*. Press **Add note** and key in the note and select *Save*.

The other options for notes include options for viewing, deleting, and editing a note. While editing a note, you can also exit the text editor without saving the changes.

You can also send the note to a compatible device via IR, Bluetooth, MMS, or as a text message (SMS). If the note is too long to be sent as a text message, the phone will ask you to delete the appropriate number of characters from your note.

Wallet

In *Wallet* you can save personal information, for example, credit card numbers and addresses. The data that are saved in the wallet can easily be retrieved while browsing to automatically fill in data fields, for example, when making purchases and the service supports wallet functionality. You can also save access codes to mobile services that request a user name and password.

The data in the wallet is protected with a wallet code that you can define when you access wallet for the first time. At *Create wallet code:*

key in the code and press **OK** to confirm it and at *Verify wallet code:* key in the code again and press **OK**. See also "Wallet code (4 to 10 digits)" on page 7.

If you want to delete all the content of the wallet and the wallet code, key in *#7370925538# (*#res wallet# in letters) in standby mode. You also need the phone's security code, see "Access codes" on page 7.

To add the content into the wallet menu, and to edit it, access the wallet menu. To use the content of the wallet in a mobile service, access the wallet via the browser, see "Web" on page 72.

Accessing the wallet menu

To access the wallet menu, press **Menu**, select *Organiser* and *Wallet*. Key in your wallet code and press **OK**, see "Wallet settings" on page 66. Select

- *Wallet profiles* to create card combinations, for example, for different services. A wallet profile is helpful if the service asks for many data items to be filled in. You can select the appropriate wallet profile instead of selecting different cards separately.
- *Cards* to save personal card information. You can save payment card, loyalty card, and access card information, for example username and password combinations for different

services, and also addresses and user data. See "[Saving card details](#)" on page 65.

- *Tickets* to save the notifications of e-tickets that you have bought via a mobile service. To view the tickets, press **Options** and select *View*.
- *Receipts* to save receipts of mobile purchases.
- *Personal notes* to save all kinds of personal information that you want to keep protected by the wallet PIN code. See "[Personal notes](#)" on page 65.
- *Settings*, see "[Wallet settings](#)" on page 66.

Saving card details

Access the wallet and select *Cards*. Select the card type to save details: *Payment cards*, *Loyalty cards*, *Access cards*, *User info cards*, or *Address cards*. If no card is added, press **Add new**, otherwise, press **Options** and select *Add new*. Fill in the fields for the details and press **Done**.

If supported by your service provider, you can also receive card information to your phone as configuration message. You will be notified as to which category the card belongs to. For availability of receiving card information as configuration settings, contact the card issuer or service provider.

Personal notes

You can save personal notes, for example, account numbers, passwords, codes or notations.

Access the wallet and select *Personal notes*. Press **Options** and you can view, add, edit a selected note and sort notes either by name or date or delete notes. When viewing a note, you can edit or delete the selected note. The option *Send via text msg.* is for copying the note as a text message or a multimedia message and *Copy to calendar* is for copying the note to the calendar as a memo. *Use detail* is for extracting numbers, e-mail addresses and web addresses from a note.

Creating a wallet profile

When you have saved your personal card details, you can combine them together into a wallet profile. You can use the profile to retrieve wallet data from different cards while browsing.

1. Access the wallet and select *Wallet profiles*.
2. To create a new wallet profile if no profile is added, press **Add new**. Otherwise, press **Options** and select *Add new*.
3. Fill in the following fields and press **Done**. Some of the fields contain data that are selected from the wallet. You need to save

those data before you can create a wallet profile.

- *Select payment card next* - select a card from the payment card list.
- *Select loyalty card next* - select a card from the loyalty card list.
- *Select access card next* - select a card from the access card list.
- *Select user info card next* - select a card from the user data card list.
- *Select billing address next* - select an address from the address card list.
- *Select shipping address next* - select an address from the address card list.
- *Select receipt delivery address next* - select an address from the address card list.
- *Select receipt delivery method next* - select the way to deliver the receipt, *To phone number* or *To e-mail address*.
- *Wallet profile name*: enter a name for the profile.

Wallet settings

Access the wallet and select *Settings*. Select *Change code* to change the wallet code. Select *RFID*

to set the RFID ID with the *RFID code* and *RFID type*. (RFID = Radio Frequency Identification, technology to securely conduct commerce transactions with your phone)

Guidelines for paying for your purchases with the wallet

- To do your shopping, access the desired web site that supports the wallet. The service needs to support the Electronic Commerce Modeling Language specification. See "[Making a connection to a service](#)" on page 73.

Choose the product you want to buy and read carefully all provided information before your purchase.



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

- To pay for the items you wish to buy, the phone asks whether you want to use wallet or not. The phone also asks for your wallet PIN code.
- Select the card you want to pay with from the Payment cards list. Provided that the data form you receive from the service provider supports the Electronic Commerce Modeling Language specification, the phone

automatically fills in the credit card information or the wallet profile from the wallet.

- Approve the purchase, and the information is forwarded.
- You may receive an acknowledgement or a digital receipt of the purchase.
- To close the wallet, select *Close wallet*. If you do not use the wallet for 5 minutes, it will be automatically closed.



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 77.

Synchronisation

Synchronisation allows you to save your calendar and contacts data in a remote Internet server (network service) or in a compatible PC. If you have saved data in the remote Internet server, you can synchronise your phone by starting the synchronisation from your phone. You can also synchronise the data in your phone's contacts, calendar and notes to correspond with the data of your compatible PC by starting the synchronisation from your PC. The

contact data in your SIM card will not be synchronised.

Synchronising from your phone

Before synchronising from your phone, you may need to do the following:

- Subscribe to a synchronisation service. For details, contact your service provider.
- Retrieve the synchronisation settings from your service provider, see ["Settings for the synchronisation"](#) on page 68.
- Set the connection settings you need for the synchronisation. See ["Setting up the phone for a service"](#) on page 73.

To start the synchronisation from your phone:

1. Activate the connection settings you need for the synchronisation. See ["Setting up the phone for a service"](#) on page 73.
2. Press **Menu**, select *Organiser, Synchronisation, Settings* and *Active Internet sync settings*. Scroll to the set you wish to activate and press **Activate**. Mark the data to be synchronised. See [Data to be synchronised](#) in ["Settings for the synchronisation"](#) on page 68.
3. Press **Menu**, and select *Organiser, Synchronisation* and *Synchronise*.

4. The marked data of the active set will be synchronised after confirmation.

Note that synchronising for the first time or after an interrupted synchronisation may take up to 30 minutes to complete, if the contacts or calendar are full.

Settings for the synchronisation

You may receive the synchronisation settings as a configuration message from the service provider. You can also key in the settings manually.

To key in the settings manually, press **Menu**, select *Organiser*,

Synchronisation and *Settings*. Select *Active Internet sync settings* and activate a set in which you want to save the settings. A set is a collection of settings required to make a connection to a service.

Select *Edit active Internet sync settings*. Select each setting one by one and key in all the required settings: *Settings' name*, *Data to be synchronised*, *Database addresses*, *User name*, *Password*, *Synchronisation server*, *Connection settings*.

Select *PC sync settings* to key in the settings for server alerted synchronisation. Select *User name* and *Password*.

Synchronising from your PC

To synchronise contacts, the calendar and the notes from your PC, use either an IR connection or Bluetooth connection or a data cable. You also need the PC Suite software of your phone installed on your PC. Start the synchronisation from your PC using PC suite.

Applications



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.

Games

Your phone software includes some games specially designed for this Nokia phone.

Launching a game

Press **Menu**, and select *Applications*, *Games* and *Select game*. To select a game or a game set, press **Open** or press **↵**.

Options for games, see "Other options available for an application or application set" on page 69.

Game downloads

Press **Menu**, and select *Applications*, *Games* and *Game downloads*. The list of available

bookmarks is shown. Select *More bookmarks* to access the list of bookmarks in the *Web* menu, see "Bookmarks" on page 75.

Select a bookmark to connect to the desired service. For the availability of different services, pricing and tariffs, contact your service provider.

Download content only from sources you trust.

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

Game settings

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

Applications

Your phone software includes some Java applications specially designed for this Nokia phone.

Launching an application

Press **Menu**, and select *Applications*, *Collection* and *Select application*. Scroll to an application and press **Open**.

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 download it again to your phone from the support area on the Nokia's web site www.nokia-asia.com.

- *Details* to give additional information about the application.
- *Update version* to check if a new version of the application is available for download from the services (network service).
- *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.
- *App. access* to restrict the application from accessing the network. Different categories are shown. Select in each category, if available, one of the following permissions: *Ask every time* and the phone asks always for net access, *Ask first time only* and the phone asks on first attempt to net access, *Always allowed* to allow the net access, or *Ask first time only* to not allow the net access.
- *Connect via* for some applications that need specific

service settings. Your phone is set to use as default the service settings for the browser.

Downloading an application

Your phone supports J2ME™ Java applications. Make sure that the application is compatible with your phone before downloading it. Download content only from sources you trust.

You can download new Java applications in different ways:

- Press **Menu**, and select *Applications*, *Collection* and *App. downloads* and the list of available bookmarks is shown. Select *More bookmarks* to access the list of bookmarks in the *Web* menu, see "[Bookmarks](#)" on page 75.

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 *Web* menu and activate another set of service settings, see "[Making a connection to a service](#)" on page 73. Try again to connect to the page.

For the availability of different services, pricing and tariffs, contact your service provider.

- Press **Menu**, and select *Web* and *Download links*. Select to download an appropriate application or game. See "[Downloading](#)" on page 76.
- Use the game download functionality, see "[Game downloads](#)" on page 68.
- Use the Nokia Application installer from PC Suite to download the applications in your phone.



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 the *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*, *Collection* and *Memory*.

The applications use shared memory, see "[Shared memory](#)" on page 8.

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.

Press **Menu**, and select *Applications, Extras* and *Calculator*. When '0' is displayed on the screen, key in the first number in the calculation, press **#** **⇧** for a decimal point. Press **Options** and select *Add, Subtract, Multiply, Divide, Square, Square root* or *Change sign*. Key in the second number. For a total, press **Equals**. Repeat steps 3 to 5 as many times as is necessary. To start a new calculation, first press and hold **Clear**.

Performing a currency conversion

Press **Menu**, and select *Applications, Extras* and *Calculator*. To save the exchange rate, press **Options** and select *Exchange rate*. Select either of the displayed options. Key in the exchange rate, press **#** **⇧** for a decimal point, and press **OK**. The exchange rate remains in the memory until you replace it with another one. To perform the currency conversion, key in the amount to be converted, press **Options** and select *In domestic* or *In foreign*.

Countdown timer

Press **Menu**, and select *Applications, Extras* and *Countdown timer*. Key in the alarm time in hours, minutes and seconds and press **OK**. If you wish, write your own note text which is displayed when the time expires, and press **OK** to start the countdown timer. To change the countdown time, select *Change time*, or to stop the timer, select *Stop timer*.

If the alarm time is reached when the phone is in standby mode, the phone sounds a tone and flashes the note text if it is set or else *Countdown time up*. Stop the alarm by pressing any key. If no key is pressed, the alarm automatically stops within 30 seconds. To stop the alarm and to delete the note text, press **Exit**.

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 *Applications, 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. Select *Reset* to reset the time without saving it.

Lap times

Press **Menu**, and select *Applications, 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](#)" on page 72.

Viewing and deleting times

Press **Menu**, and select *Applications, 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**.

Web



You can access various mobile Internet services with your phone's browser.



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.

Check the availability of these services, pricing, tariffs and instructions with your service provider.

With your phone's browser you can view the services that use Wireless Mark-Up Language (WML) or extensible HyperText Mark-up Language (xHTML) on their pages. Appearance may vary due screen size. Note that you may not be able to view all details of 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 73.
2. Make a connection to the given service. See page 73.
3. Start browsing the pages of the service. See page 74.
4. Once you are finished browsing, end the connection to the service. To disconnect, see "Options while browsing" on page 74.

Setting up the phone for a service

You may receive the service settings as a configuration message from the service provider that offers the service. You can also key in the settings manually or add and edit the settings with PC Suite. For details, contact the service provider.

To key in the settings manually, press **Menu**, and select *Web, Settings* and *Connection settings*. Select *Active web settings* and activate the set in which you want to save the settings. Select *Edit active web settings* and edit the settings one by one. Note that all the bearer-related settings are in the *Bearer settings* menu.

Making a connection to a service

Firstly, make sure that the service settings of the service you want to use are activated. To activate the settings, press **Menu**, and select *Web, Settings* and *Connection settings*. Select *Active web settings* and scroll to the connection set you want to activate and press **Activate**.

To make a connection to the service use one of the following ways:

- Open the start page, for example, the homepage of the service provider: Press **Menu**, and select *Web* and *Home*, or in standby mode press and hold **0** .
- Select a bookmark of the service: Press **Menu**, and select *Web, Bookmarks*, and select a bookmark. If the bookmark does not work with the current active service settings, activate another set of service settings and try again.
- Select the last URL: Press **Menu**, and select *Web, Last web addr.*
- Key in the address of the service: Press **Menu**, and select *Web* and then *Go to address*. Key in the address of the service and press **OK**.

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 (E)GPRS connection, the indicator  will be shown on the top right of the display to indicate that the (E)GPRS connection is suspended (on hold). After a call, for example, the phone tries to reconnect the (E)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 , or press **Options** to select the option for opening the link.
- To enter letters and numbers, press the keys **0-9** - **WXYZ** 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 your start page.
- **Shortcuts** to open a new list of options that are, for example, specific to the page. This option is only available, if the page actually contains shortcuts.
- **Add bookmark** to save the page as a bookmark.
- **Bookmarks.** See "**Bookmarks**" on page 75.
- **History** to get a list showing the last visited URLs.
- **Download links** to show the list of bookmarks for downloading.
- **Other options** to show a list of other options, for example options for the wallet and some security options.
- **Reload** to reload and update the current page.
- **Quit** to disconnect from a service.
- **Contacts** to add or edit contacts in your phonebook.



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 77.

Direct calling

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

Appearance settings of the browser

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

- Select *Text wrapping*. Select *On* and the text continues on the next line. If you select *Off*, the text will be abbreviated.
- Select *Font size* and select *Small, Normal* or *Large*.
- 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.
- Select *Alerts* and select *Alert for unsecure connection* and *Yes* to set the phone to alert when a secure connection changes to an unsecure one during browsing. Select *Alert for unsecure items* and *Yes* to set the phone to alert when a secure page contains an

unsecure item. Note that these alerts do not guarantee a secure connection. For more information, see "[Browser security](#)" on page 77.

- Select *Character encoding* to select the character set that the phone uses for showing browser pages that do not include that information or to select whether to always use UTF-8 encoding when sending a Web address to a compatible phone.

Cookies

A cookie is data that a site saves in your phone's browser cache memory. Cookies will be saved until you clear the cache memory, see "[The cache memory](#)" on page 77.

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

Bookmarks

While browsing you can save page addresses as bookmarks in the phone's memory, see "[Options while browsing](#)" on page 74. To use the bookmarks:

1. While browsing, press **Options** and select *Bookmarks*,

or in standby mode, press **Menu**, and select *Web* and *Bookmarks*.

2. Scroll to the bookmark you want to use and press **Select** to make a connection to the page associated with the bookmark.
3. Select **Options** to 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 a text message, or create a new bookmark, or save it to a folder.

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) *1 bookmark received* is displayed. Press **Show** to view the bookmark. To save the bookmark, press **Save**, or press **Options** and select *View* to see the details or *Delete* to discard it. To discard the bookmark directly after you have received the bookmark, press **Exit** and **OK**.

Downloading

To download more tones, images, games or applications to your phone (network service), press **Menu**, and select *Web* and *Download links*. Select *Tone downloads*, *Graphic downloads*, *Game downloads*, *Video downloads* or *App downloads* to download tones, images, games, videos or applications, respectively. Download content only from sources you trust.

Service inbox

The phone is able to receive service messages (pushed messages) sent by your service provider (network service). Service messages are 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 *Web* 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 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 *Web, 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 *Message filter* and *On* (or *Off*) to set the phone to receive (or not to receive) service messages only from content authors approved by the service provider. To view the list of the approved content authors, select *Trusted channels*. Select *Automatic connection*. If you have set the phone to receive service messages and select *On*, the phone will automatically activate the browser from standby mode 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 *Web*, 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 purpose of the security module is to improve 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 *Web, 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 "[Access codes](#)" on page 7.

Certificates

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

- The phone uses a server certificate to create a connection with improved security to the content server. 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 content server is encrypted.

- 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 if your SIM card has a security module. 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 7) and press **OK**. The digital signature icon will disappear, and the service may display a confirmation of your purchase.

SIM services



Your SIM card may provide additional services that you can access in this menu that 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* within the menu *Confirm SIM service actions*, in *Phone settings*.

Note that accessing these services may involve sending messages or making a phone call for which you may be charged.

6. PC Connectivity

You can send and receive e-mails, and access the Internet when your phone is connected to a compatible PC via an IR or Bluetooth connection or via a data cable (DKU-2) connection (USB). You can use your phone with a variety of PC connectivity and data communications applications. With PC Suite you can, for example, synchronise contacts, calendar and to-do notes and notes between your phone and the compatible PC or a remote Internet server (network service).

You may find more information and downloadable files, for example PC suite, in the support area on the Nokia's web site, www.nokia-asia.com.

■ PC Suite

The PC Suite contains the following applications:

- **Nokia Application Installer** to install J2ME Java applications from the compatible PC to the phone, for example games and dictionaries.
- **Nokia Audio Manager** to create music for your phone.
- **Nokia Image Converter** to make images in supported formats usable for multimedia messages or wallpaper and to transfer them to your phone.
- **Nokia Sound Converter** to optimise polyphonic ringing tones in supported formats to be compatible with your phone and to transfer them to your phone.
- **Nokia Content Copier** to back up and restore personal data between your phone and a compatible PC. Supports also content transfer to another compatible Nokia phone.
- **Nokia Phone Editor** to send text messages and edit the contacts in your phone.
- **Nokia Phone Browser** to view the contents of the Gallery folder of your phone on a compatible PC. You can browse picture and audio files and also modify files in the phone's memory and transfer files between phone and the PC.
- **Nokia Multimedia Player** to for playing sounds, images, videos and multimedia messages on the PC. Multimedia Player allows you to view multimedia received on your phone or via e-mail.
- **Nokia PC Sync** to synchronise contacts, calendar and to-do notes between your phone and a compatible PC.

- **Nokia Modem Options** contains settings for HSCSD and GPRS connections.
- **Nokia Connection Manager** to select the connection type between the PC and the phone.
- **Nokia 6230 data modem drivers** enable you to use your phone as a modem.
- **Language Selection** to select the language used during an installation of PC Suite and the PC Suite application itself.
- **HTML Help** to support the application usage.

Copyright protection may prevent some images, ringing tones and other content from being copied, modified, transferred or forwarded.

(E)GPRS, HSCSD and CSD

With your phone you can use the (E)GPRS (Enhanced GPRS), GPRS (General Packet Radio Service), HSCSD (High Speed Circuit Switched Data) and CSD (Circuit Switched Data, *GSM data*) data services.

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

Note that the use of HSCSD services consumes the phone's battery faster than normal voice or data calls. You may need to connect the phone to a charger for the duration of data transfer.

See "(E)GPRS modem settings" on page 52.

■ Using data communication applications

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

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

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

7. 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.

8. 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:

- Keep the enhancements out of small children's reach.
- 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 enhancements 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.

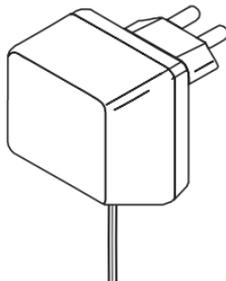
■ Power

Type	Tech	Talk-time*	Standby*
BL-5C	Li-Ion	Up to 180 min	Up to 300 hrs

* Variation in operation times may occur depending on SIM card, network and usage settings, usage style and environments. Use of FM radio and integrated hands-free will affect talktime and standby.

Standard Charger (ACP-7)

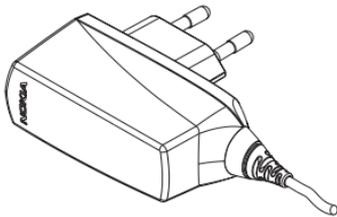
Small, lightweight and durable charger ACP-7 provides an easy and convenient way to charge the phone. It is easy to connect to phone or desktop stand.



Note: The plug types vary according to different markets.

Travel Charger (ACP-12)

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

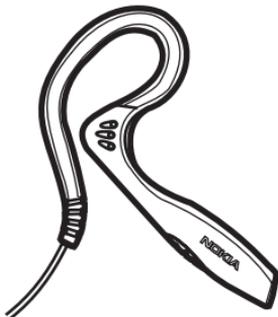


Note: The plug types vary according to different markets.

■ Audio

Boom Headset (HDB-4)

This small and lightweight headset has a beautiful and distinctive Nokia design. Gives you excellent audio quality and you can answer or end calls by pressing the button on the microphone part of the headset.



Stereo Headset (HDS-3)

This stereo headset has a beautiful and distinctive Nokia design. Gives you excellent audio quality and you can answer or end calls by pressing the remote control button. A comfortable hands-free solution that makes listening to the phone's FM radio, a pleasure.

■ Vehicle

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.

9. 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 a soft, clean, dry cloth to clean any lenses (such as camera, proximity sensor, and light sensor).
- Use only the supplied or an approved replacement antenna. Unauthorised antennas, modifications or attachments could damage the phone and may violate regulations governing radio devices.

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

10. Important Safety Information

■ Traffic Safety

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

Remember road safety always comes first!

■ Operating environment

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

Use the phone only in its normal operating positions.

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

■ Electronic devices

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

Pacemakers

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

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

Hearing aids

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

Other medical devices

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

Vehicles

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

Posted facilities

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

Potentially explosive atmospheres

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

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

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

Vehicles

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

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

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

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

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

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

■ Emergency calls



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

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

To make an emergency call:

1. If the phone is not on, switch it on. Check for adequate signal strength. Some networks may require that a valid SIM card is properly inserted in the phone.
2. Press  as many times as needed (e.g. to exit a call, to exit a menu, etc.) to clear the display and ready the phone for calls.
3. Key in the emergency number for your present location (e.g. 112, 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 0.59 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 1.5cm 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 1.5cm 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-asia.com.

Index

SYMBOLS

- (E)GPRS 51
- (E)GPRS connection 51
- (E)GPRS modem settings 52
- (E)GPRS, HSCSD and CSD 82

A

- About accessories 6
- Accepting or rejecting a instant messaging invitation 37
- Access codes 7
- Accessing a menu function 21
- Accessing the wallet menu 64
- Adding and managing voice tags 47
- Adding contacts to the subscribed names 44
- Alarm clock 62
- Answering or rejecting an incoming call 17
- Appearance settings of the browser 75
- Applications 68, 69

B

- Basic steps for accessing and using services 73
- Battery 84
- Battery information 83
 - Charging and Discharging 83
 - type 84
- Blocking and unblocking messages 38
- Bluetooth settings 50
- Bluetooth wireless connection 50
- Bluetooth wireless technology 49
- Bookmarks 75
- Boom Headset (HDB-4) 85
- Browser security 77
 - browser security
 - security module for WAP applications 77
- Browsing the pages of a service 74

C

- Calculator 71
- Calendar 62
- Call functions 17
- Call register 40

- Call settings 52
- Call waiting 18
- Camera 57
- Camera settings 58
- Certificates 78
- Certification information (SAR) 90
- Changing the covers 11
- Charging the battery 10
- Connecting to the chat service and disconnecting 36
- Connectivity 49
- Contacts 40
- Cookies 75
- Countdown timer 71
- Counters and timers for calls, data and messages 40
- Creating a wallet profile 65

D

- Deleting messages 27
 - digital signature 79
- Direct calling 75
- Display settings 48
- Distribution lists 26
- Downloading 76
- Downloading an application 70

E

- Editing or deleting details in the contacts 42
- Editing your own information 38
- Electronic devices 87
- E-mail messages 31
- Emergency calls 89
- Enhancement settings 54
- Entering the chat menu 36
- Essential indicators 14

G

- Gallery 56
- Game downloads 68
- Game settings 69
- Games 68
- Genuine Enhancements 84
- Groups 39
- Guidelines for paying for your purchases with the wallet 66

I

Inbox and Other folders (Drafts, Archive, Outbox and Sent items) 32
Info messages 39
Infrared 50
Installing the SIM card and the battery 9
Instant messages (IM) 34
IR connection indicator 51

K

Keypad lock (Keyguard) 15
Keys and connectors 13

L

Launching a game 68
Launching an application 69
List of menu functions 22

M

Making a calendar note 63
Making a call 17
Making a call by using a voice tag 47
Making a connection to a service 73
Media 57
Media equaliser 61
Media player 58
Memory status for applications 70
menu
 list of functions 22
Menu functions 24
Messages 24
messages
 e-mail
 downloading from your
 account 32
 reading 32
Mobile Charger (LCH-9) 85
Multimedia messages (MMS) 28
Multimedia messages memory full 30
Music player 58
My presence 42

N

Network Services 6
Notes 63

O

Operating environment 87

Options during a call 18
Options while browsing 74
Organiser 62
Other options available for an application or application set 69
Overview of the functions of the phone 7
Overwrite settings 27

P

PC Connectivity 81
PC Suite 81
Personal notes 65
Personal shortcuts 49
Phone settings 53
Playing the music tracks transferred to the phone 59
Potentially explosive atmospheres 88
Profiles 47

R

Radio 59
Reading a chat message 37
Reading and replying to an e-mail message 32
Reading and replying to an SMS message or an SMS e-mail 25
Receiving a bookmark 76
Recent calls lists 40
Recording 61
Recording a video clip 58
Restore factory settings 55

S

SAFETY 5
Safety Information 87
SAR value 90
Saved items folder and My folders 27
Saving multiple numbers, text items or an image per name 41
Saving names and phone numbers (Add new contact) 41
Searching for a contact 40
Security settings 55
security settings
 digital signature 79
Sending and receiving a business card 46
Sending and receiving data via IR 51
Service commands 39
Service inbox 76
Service inbox settings 77

- Setting predictive text input on or off 18
- Setting up the phone for a service 73
- Setting up the phone for a streaming service 58
- Settings 47
- Settings for e-mail 33
- Settings for multimedia messages 30
- Settings for text and SMS e-mail messages 27
- Settings for the music player 59
- Settings for the synchronisation 68
- SIM services 79
- Speed dialling a phone number 17
- Speed dials 46
- Standby mode 14
- Starting a chat session 36
- Stereo Headset (HDS-3) 85
- Stopwatch 71
- Subscribed names 44
- Switching the phone on and off 10
- Synchronisation 67
- Synchronising from your PC 68
- Synchronising from your phone 67

T

- Taking a photo 57
- Templates 27
- Text messages (SMS) 24
- The cache memory 77
- Time and date settings 49
- Time observation and time splitting 72
- Tips for writing text 19
- To-do list 63
- Tone settings 48
- Traffic Safety 87
- Tuning a radio channel 60

U

- Unsubscribing a contact 45
- Using data communication applications 82
- Using predictive text input 18
- Using the menu 21
- Using the phone keys while browsing 74
- Using the radio 60
- Using traditional text input 19

V

- Vehicles 88
- Viewing the subscribed names 45

- Voice dialling 46
- Voice messages 39
- Voice recorder 61

W

- Wallet 64
- wallet
 - signing documents via WAP 79
- Wallet settings 66
- WAP services
 - security module in SIM 77
 - signing documents 79
- Web 72
- When the alarm time expires 62
- When the phone sounds an alarm for a note 63
- Writing and sending a SMS e-mail 25
- Writing and sending messages 24
- Writing compound words 19
- Writing text 18