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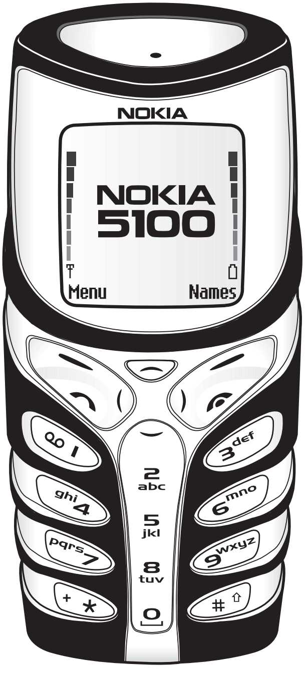
User Guide

Nokia 5100 User Guide


NOKIA
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1
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
+ *
0
# ⇧

Phone notes

My Nokia 5100 information		Information source
My number		Wireless provider
International Mobile Equipment Identifier (IMEI)		On back of your phone, beneath the battery
Voicemail number		Wireless provider
Wireless provider customer care		Wireless provider
Message center number		Wireless provider
Default recipient number (e-mail gateway number)		Wireless provider

The wireless phone described in this guide is approved for use in GSM 900, 1800, and 1900 networks.

LEGAL INFORMATION

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Java is a trademark of Sun Microsystems, Inc.

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Your phone may cause TV or radio interference (for example, when using a telephone in close proximity to receiving equipment). The FCC or Industry Canada can require you to stop using your telephone if such interference cannot be eliminated. If you require assistance, contact your local service facility. This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.

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1 For your safety

The use of mobile phones and their accessories may be prohibited or restricted in certain areas. Obey applicable law regarding mobile phone usage.

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 REFUELING
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.

OBSERVE INFRARED PRECAUTIONS

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

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.

CALLING

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

EMERGENCY CALLS

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

• 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-12U and LCH-12 chargers.

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.

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

2 An overview of functions

• MULTIMEDIA MESSAGING SERVICE (MMS)

Your phone is able to send and receive multimedia messages made up of text and pictures. You may also be able to receive polyphonic ringing tones. You can also save pictures and ringing tones to personalize your phone. See “Multimedia messages” on page 60 for more information.

• POLYPHONIC SOUND (MIDI)

Polyphonic sounds are used in ringing tones and message alert tones. They consist of several sound components played at the same time, like an actual melody through a speaker. Your phone has sound components from over 40 instruments that can be used for polyphonic sounds and the phone can play four instruments simultaneously. The phone supports scalable polyphonic MIDI (SP-MIDI) format.

You can receive polyphonic ringing tones using multimedia service, (see “Read and reply to a multimedia message” on page 64), or download them to the gallery menu, see “Gallery (Menu 7)” on page 98 for more information.

• GENERAL PACKET RADIO SERVICE (GPRS)

GPRS technology allows mobile phones to send and receive data over a mobile network. Applications such as mobile Internet, MMS, text messaging, and Java™ use GPRS. Your phone supports up to three simultaneous GPRS connections.

For more information on GPRS, see “GPRS” on page 120. Also, consult the PC Connectivity Guide. The PC Connectivity Guide, Nokia PC Suite, and all related software can be downloaded from the Download Software section of **www.nokia.ca**.

Before you can use GPRS technology

- Contact your network operator or service provider for availability and subscription to the GPRS service.
- Save the GPRS settings for each of the applications used over GPRS.

• SPEAKERPHONE

You can use your phone as a speakerphone during a call.

- To activate the speakerphone, press **Loudsp**.
- To deactivate the speakerphone during a call, press **Handset**.

The speakerphone deactivates automatically when you end the call, attempt to make a new call using the in-call menu, or when you connect a headset.

• FLASHLIGHT

There is a flashlight in your phone. You can activate it while in standby mode when the keypad is not locked.

- To activate the flashlight, press and hold the up scroll key. To switch off the flashlight, release the scroll key.
- To have the flashlight on continuously, quickly press the up scroll key twice. To switch it off again, press the up scroll key once.

• JAVA™ APPLICATIONS

Your phone supports Java and includes some Java applications and games that have been specially designed for mobile phones. You may be able to download new applications and games to your phone from a PC with Java installer software or from some mobile Internet services. See “Applications (Menu 10)” on page 108 for more information.

Note: This feature uses shared memory. See “Shared memory” on page 14 for more information.

• FM RADIO

Your phone has an integrated FM radio. You can listen to the radio through a headset or the hands-free speaker (with the headset attached). See “Radio (Menu 6)” on page 96 for more information.

• CALORIE CALCULATOR

Your phone has a calorie calculator that estimates the amount of energy used in various physical activities. The energy used depends on age, weight and gender. See “Calorie calculator” on page 116 for more information.

• THERMOMETER

There is a thermometer in your phone that measures the approximate temperature in both Fahrenheit and Celsius. You can set the temperature to display on the start screen. See “Thermometer” on page 117 for more information.

• SOUND METER

Your phone has a sound meter that measures the level of sound in the immediate vicinity of your phone, giving an approximation of the actual decibel level. See “Sound meter” on page 118 for more information.

3 Welcome and quick guide

Congratulations on your purchase of the Nokia 5100 mobile phone. Your phone provides many functions which are practical for daily use, such as a Calendar, Radio, Alarm clock, Calculator, and more. A variety of Xpress-on™ colour shells are also available. Your phone can also connect to a PC, laptop, or other device using the data cable or built-in IR port. For more information on connectivity, refer to the PC Connectivity Guide. The PC Connectivity Guide, Nokia PC Suite, and all related software can be downloaded from the Download Software section of **www.nokia.ca**.

Improved durability

The Nokia 5100 phone is designed for an active lifestyle. The shells provide improved protection against water splashes, dust, and bumps. The durable surface and ergonomic shape ensure a comfortable, firm grip. The phone is resistant to splashes and dust when the shells and key mat are mounted.

Phone use in wet and damp conditions

- You can use your phone in damp environments and outdoors, in the rain.
- Never immerse the phone in water.
- If water gets inside the phone shells, let the inner module and shells dry out, or wipe them with a lint-free cloth. See “Remove the lower shell” on page 13 and “Remove the battery” on page 13.
- Always be sure that the phone is completely dry when you open the battery cover; the SIM card, battery, and inner parts are not protected against water. If the phone has gotten wet, remove the lower shell and battery (see “Remove the lower shell” on page 13, and “Remove the battery” on page 13). Let the inner module and shells dry out, or wipe them with a lint-free cloth.
- Always be sure that the battery cover is dry and clean and that it is properly closed.
- Always remember that the accessories do not meet the same durability or water resistance specifications of the phone itself.

- Never charge the phone when the bottom connectors are wet or damp.
- Never use a damp phone with accessories that have an electrical functionality.
- Always close the bottom flap properly after using any accessories.

• GET THE MOST OUT OF THIS GUIDE

The tips that follow can help you get the most from this guide as you learn to use your phone.

Learn text conventions

This user guide provides text clues to help make instructions clear and easy to follow. These clues are called conventions:

bold: The word or phrase appears on the phone display.

italics: Indicates emphasis. Pay close attention to any information in italics.

Follow graphic clues

This guide uses certain icons to alert you to important information.

Tip: Indicates a shortcut or alternate method of doing something.

Note: Explains a feature or points out an important concept.

Important: Indicates critical information on using a feature.

Caution: Warns when you may lose information.

Warning: Helps you avoid personal injury, damage to the phone, or property damage.

Alternate-format guides

This user guide may be available in alternate formats, contact Nokia at 1-905-427-1373 or 1-888-226-6542 for more information.

Updates

From time to time, Nokia updates this guide to reflect changes. The latest version may be available at **www.nokia.ca**.

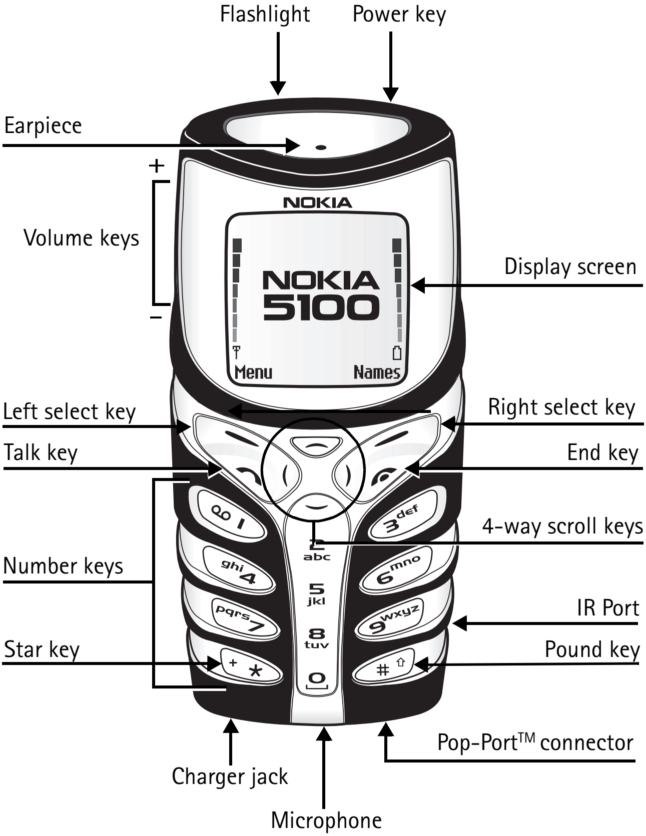
- ## WIRELESS NETWORK SERVICES

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

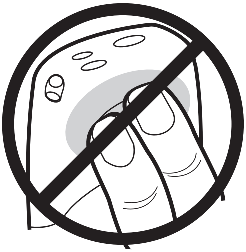
A number of features included in this guide are called network services. These are special services you arrange through your wireless service provider. Before you can take advantage of any of these network services, you must subscribe to them through your service provider and obtain instructions for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

Some networks may not support all language-dependent characters or services.

• UNDERSTAND YOUR PHONE


Flashlight
Power key
Earpiece
+
Volume keys
–
NOKIA
NOKIA 5100
Menu
Names
Display screen
Left select key
Right select key
Talk key
End key
4-way scroll keys
Number keys
IR Port
Star key
Pound key
Pop-Port™ connector
Charger jack
Microphone

Antenna



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 optimizes the antenna performance and the talk time of your phone.

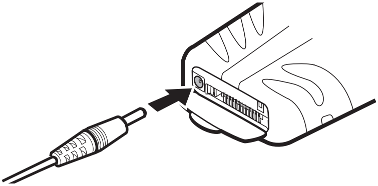
Battery

CHARGE THE BATTERY

1 Pull open the flap at the bottom of the phone.

2 Plug the charger transformer in to a standard ac outlet.

3 Insert the charger output plug into the round connector at the bottom end of the phone.



After a few seconds, the battery indicator in the display starts to scroll from bottom to top. If the battery is completely flat, it may take a few minutes before the charging indicator appears on the display or any calls can be made.

Tip: You can use the phone while the charger is connected.

IMPORTANT BATTERY INFORMATION

Important: Your phone is powered by a rechargeable battery.

Use only batteries approved by Nokia and recharge your battery only with the chargers approved by Nokia. Never use any charger or battery which is damaged.

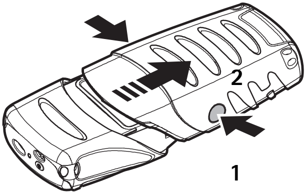
The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time (talk-time and standby time) is noticeably shorter than normal, it is time to buy a new battery.

PROLONG THE BATTERY

Use the following guidelines to obtain the best performance from your battery:

- With your phone turned off, charge your new battery for three hours before its first use. Use the battery until it is fully discharged. Repeat this procedure twice for a total of three charging cycles.
- Note that the full performance of a new battery is achieved only after two or three complete charge and discharge cycles. Battery operation time may be less than the estimated times during the first charges. This condition is normal.
- You can use your phone while the battery is charging. However, if the battery is completely empty, it may need to recharge a few minutes before you can make or receive calls or the battery indicator appears.
- After the first charge, you can make and receive calls during the charging cycle, but the calls interrupt the charge. When the phone call ends, the charge will resume.
- The bars on the screen stop scrolling and remain constant when the phone is fully charged. If you leave the phone connected to the charger, the battery receives an additional charge. If you switch the phone on when charging is complete, the message **Battery full** momentarily appears in the display.

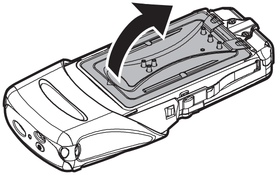
Note: The battery will accept a "trickle charge" for an additional two hours.



REMOVE THE LOWER SHELL

1 With the back of the phone facing you, push the lower shell release indentions.

2 Slide the bottom of the shell to remove.



REMOVE THE BATTERY

3 After you have removed the lower shell, grasp the removal flap and gently pull; the battery lifts from its compartment.

Install the SIM card

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

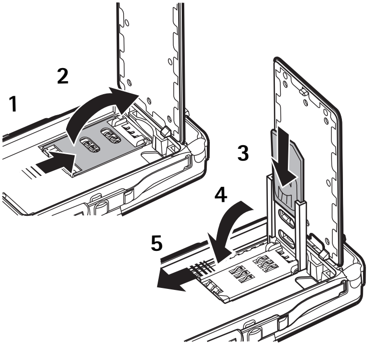
- The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting, or removing the card.
- Before installing the SIM card, always make sure that the phone is switched off and that you have removed the shell and battery.

1 Slide the SIM card holder toward the bottom end of the phone until it unlocks.

2 Swing the SIM card holder open.

3 Insert the SIM card into the holder, (beveled corner of the SIM card is on the top left, and the golden contact area is facing downward).

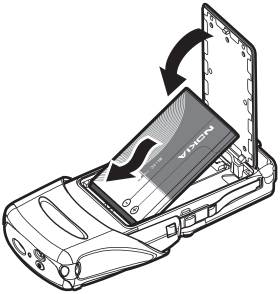
4 Close the SIM card holder.



5 Slide the SIM card holder toward the top end of the phone until it locks into place.

REPLACE THE BATTERY

The SIM card must be installed *before* installing the battery.



1 Position the battery so the gold contacts match up with those on the phone. The battery label should be facing *away* from the phone.

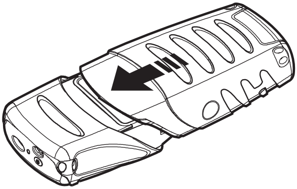
2 Insert the battery, contact end first into the battery slot.

3 Snap the other end of the battery into place and snap the back of the phone closed.

REPLACE THE LOWER SHELL

1 Place the phone into the lower shell.

2 Slide the shell forward until it clicks into place.



Shared memory

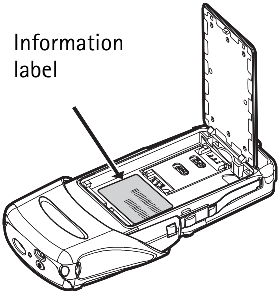
The following features in your phone use shared memory: phone book, text and multimedia messages, images and ringing tones in gallery, calendar and to-do notes, and Java games and applications. Using any of these features leaves less memory for other features. This is especially true with heavy use of any of the features. For example, saving many images may take all of the shared memory and your phone may display that the memory is full. In this case, delete some of the information or entries reserving the shared memory.

• GET HELP

Phone label

If you need help, Nokia Customer Care is available for assistance. Before calling, however, please read "Frequently asked questions" on page 143.

We also recommend that you write down the following information and have it available if you call. The information can be found on the back of the phone, beneath the battery.



- The International Mobile Equipment Identifier (IMEI)
- We also ask that you write down your postal code.

Contact Nokia

Please have your phone or accessory with you when contacting Nokia.

Customer Care, Canada

Nokia Products Ltd.
601 Westney Rd. South
Ajax, Ontario L1S 4N7

Tel:1-905-427-1373
1-888-22-NOKIA
(1-888-226-6542)

Fax:1-905-427-1070

Web site: www.nokia.ca

• GET STARTED WITH THE QUICK GUIDE

Make a call	Enter phone number, press the talk key
Answer a call	Press **Answer** or the talk key
Answer a waiting call	Press the talk key, **Answer**, or **Options** then select **Answer call**
End a call	Press the end key
Mute ringing tone	Press **Silence** when your phone rings
Redial last number	Press the talk key twice
Adjust call volume	Press up or down on the side volume key
Use the in-call menu	While in a call, press **Options**
Use 1-touch dialing	Press and hold any key 2–9
Save a name and number	Enter a number, press **Options**, and select **Save**, then enter a name and press **OK**
Recall a name/number	Press **Names**, select **Find**. Enter the first character of the name you are looking for, then scroll to the name
Check voice mail	Press and hold the 1 key OR dial your voice mailbox number
Write and send a text message	Press **Menu 0-1-1-1**. After a pause, write the message. Press **Options**, scroll to **Send**, press **Select**, enter the recipient's number, press **OK**
Write and send an E-mail message	Press **Menu 0-1-1-3**. After a pause, enter the recipient's e-mail address. Press **OK**, enter a subject, and press **OK**. Write your e-mail message, press **Options**, scroll to **Send e-mail** and press **Select**. Enter the e-mail server number if necessary and press **OK**. Your e-mail is sent.
Read a new message	Press **Show**, then press **Select**
Reply to a message	Press **Options**, select **Reply**, write the reply, press **Options**, select **Send**, and press **OK**
Reply to an E-mail message	Press **Options**, scroll to **Reply**, and press **Select**. Compose your message and press **Options**. Scroll to **Sending options** and press **Select**. Scroll to **Sending profile** and press **Select**. Highlight your e-mail profile and press **Select**. Press **Options**, **Accept**, enter the e-mail address, press **OK**.
Send a business card	Recall a name from the phone book. Press **Details**, then press **Options**, scroll to **Send bus. card**, scroll to **Via text message** and press **Select**. Enter the recipient's number or press **Find** to retrieve a number from the phone book. Press **OK**. The business card is sent.

MENU SHORTCUTS

To access a menu or item, press **Menu**, then enter the numbers associated with the desired menu or item. For example, press **Menu 2-1** to view any **Missed calls**.

1 MESSAGES

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Contact your service provider

To use the network services available in your phone, you will need to sign up with a wireless provider. In many cases, the wireless provider will make available descriptions of their services and instructions for using features such as:

- Voice mail and voice privacy
- Call waiting, call forwarding, and caller ID
- Messaging
- News and information services
- Selected Internet services

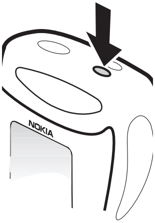
Wireless providers may differ in their support of features. Before you sign up, make sure a wireless provider supports the features that you need.

Receive accessibility information

Nokia is committed to making mobile phones easy to use for all individuals, including those with disabilities. For more information, visit the Nokia World Wide Web site **www.nokia.ca**.

• SWITCH YOUR PHONE ON OR OFF

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



1 To turn your phone on or off, press and hold the power key on top of the phone for at least 3 seconds.

   If the phone displays **Insert SIM card** even though the SIM card is properly inserted, or **SIM card not supported**, contact your wireless provider.

2 Enter the PIN code if necessary and press **OK**.

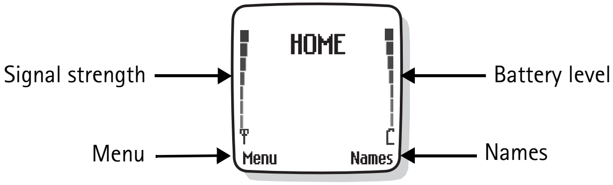
3 Enter the security code if necessary and press **OK**.

Note: If the language that appears in your display is not correct, see “Set the display language” on page 87 for information on changing your phone’s display language.

• THE START SCREEN

The start screen is “home base” and indicates your phone is in idle mode.

Indicators and icons

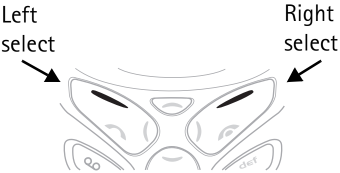


A higher signal strength bar indicates a stronger network signal. A higher battery level bar indicates more power in the battery.

Icon	Indicates...
✉	You have one or more text or picture messages. See “Reply to a message or e-mail” on page 59.
📎	You have one or more multimedia messages. See “Read and reply to a multimedia message” on page 64.
oo	You have one or more voice messages. See “Voice messages” on page 66.
🔑	Your phone’s keypad is locked, see “Lock the keypad (Keyguard)” on page 37.
🔕	Your phone is set to the **Silent** profile. See “Profiles (Menu 3)” on page 78.
⏰	The alarm clock is set to **On**. See “Alarm clock (Menu 5)” on page 95.
⏲	The countdown timer is running. See “The countdown timer” on page 112.
⏱	The stopwatch timing is running in the background, see “The stopwatch” on page 114.

Icon	Indicates...
G	A GPRS dial-up connection is established, see “GPRS dial-up connections” on page 121.
Ⓖ	You have an incoming or outgoing call during a GPRS dial-up connection. GPRS is suspended.
⊳···	IR connection indicator, see “Infrared” on page 119.
↗	All calls are forwarded to another number. If you have two phone lines, the indicator for line 1 is 1↗ and for line 2 2↗.
2	If you have two phone lines, indicates that you are on the 2nd phone line. See “Phone settings” on page 87.
🔊	Integrated handsfree is active, see “Speakerphone” on page 5.
⚇	Calls are limited to a closed user group; see “Closed user groups” on page 42.
🕒	The timed profile is selected, see “Profiles (Menu 3)” on page 78.
🎧, 🔊 **or** ⊕	A headset, hands-free, or loopset accessory is connected to the phone.

• SELECTION AND SCROLL KEYS

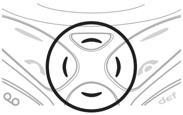


Below each corner of the display are the selection keys. Press the left selection key when **Menu** appears above it to show the first of numerous menus. Page through the rest of the menus using the up and down scroll keys. Press the right selection key when **Names** appears above it to enter the phone book.

Tip: Press the down scroll key from the start screen to view any entries in your phone book.

Four-way scrolling

In features, such as the calendar monthly view, text messages, and special characters, you can move the cursor up and down as well as left and right. To move the cursor:



Up, press the up scroll key

Left, press the left scroll key

Right, press the right scroll key

Down, press the down scroll key

From the start screen, press any one of four scroll keys to provide a type of shortcut:

- Press the up scroll key to activate or deactivate the flashlight
- Press the down scroll key to open a list of names in your phone book
- Press the left scroll key to write a text message
- Press the right scroll key to view your calendar

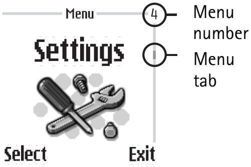
• PHONE MENUS

Your phone's features are grouped according to function and are accessed through your phone's main menus. Each main menu contains submenus and lists from which you can select or view items, and customize your phone's features. You can access these menus and submenus by using the *scroll method* or by using a *shortcut*.

Note: Some features may not be available, depending on your network. For more information, contact your wireless provider.

The scroll method

1 At the start screen, press **Menu**, then scroll through the main menus using the up and down scroll keys.



As you scroll through the menus, the menu number appears in the upper right corner of the display. Below the menu number is a scroll bar with a tab. The tab moves up or down as you scroll through the menus, providing a visual representation of your current position in the menu structure.

2. When you arrive at a menu, press **Select** (the left selection key) to enter that menu's submenus.

- Press **Exit** (the right selection key) to return to the previous menu
- Press the end key to return to the start screen from any menu or submenu.

Shortcuts

You can go directly to almost any menu or submenu, as well as activate most features by using a shortcut.

- Press **Menu**, then within 3 seconds, press the key or keys associated with the menu function you would like to view or activate.

  For example, to select the **Meeting** profile, press **Menu 3-3-1** (**Profiles** > **Meeting** > **Select**) from the start screen. After a brief pause, the **Meeting** profile is activated.

A complete list of shortcuts begins on the following page.

In-phone help

Many features have brief descriptions (help text) which can be viewed on the display. To view these descriptions, scroll to a feature and wait for about 15 seconds. Press **More** to view all of the description (if necessary), or press **Back** to exit.

ACTIVATE OR DEACTIVATE HELP TEXT

1. At the start screen, press **Menu 4-3-7** (**Settings** > **Phone settings** > **Help text activation**).
2. After a brief pause, **On** and **Off** appear in the display.
3. Scroll to **On** or **Off** and press **Select**. A confirmation message appears in the display indicating your selection.

Menu shortcuts

To access a menu or item, press “Menu,” then enter the numbers associated with the desired menu or item. For example, press **Menu 2-1** (**Call log > Missed calls**) to view any Missed calls.

1 MESSAGES

TEXT MESSAGES	**0-1-1**
Create message	0-1-1-1
Inbox	0-1-1-2
Create e-mail	0-1-1-3
Sent items	0-1-1-4
Archive	0-1-1-5
Templates	0-1-1-6
My folders	0-1-1-7
Delete messages	0-1-1-8
MULTIMEDIA MSGS	**0-1-2**
Create message	0-1-2-1
Inbox	0-1-2-2
Outbox	0-1-2-3
Sent items	0-1-2-4
Saved items	0-1-2-5
Delete messages	0-1-2-6
CHAT	**0-1-3**
VOICE MESSAGES	**0-1-4**
Listen to voice messages	0-1-4-1
Voice mailbox number	0-1-4-2
INFO MESSAGES	**0-1-5**
Info service	0-1-5-1
Topics	0-1-5-2
Language	0-1-5-3
Info topics saved on SIM card	0-1-5-4
Read (if received only)	0-1-5-5
MESSAGE SETTINGS	**0-1-6**
Text messages	0-1-6-1
Multimedia msgs.	0-1-6-2
Other settings	0-1-6-3
SERVICE COMMANDS	**0-1-7**

2 CALL LOG

MISSED CALLS	**2-1**
RECEIVED CALLS	**2-2**
DIALED NUMBERS	**2-3**
DELETE RECENT CALL LISTS	**2-4**
All	2-4-1
Missed	2-4-2
Received	2-4-3
Dialed	2-4-4
CALL TIMERS	**2-5**
Duration of last call	2-5-1
Duration of received calls	2-5-2
Duration of dialed calls	2-5-3
Duration of all calls	2-5-4
Clear timers	2-5-5
CALL COSTS	**2-6**
Last call units	2-6-1
All calls units	2-6-2
Call cost settings	2-6-3
GPRS DATA COUNTER	**2-7**
Data sent in last session	2-7-1
Data received in last session	2-7-2
All sent data	2-7-3
All received data	2-7-4
Clear counters	2-7-5
GPRS CONNECTION TIMER	**2-8**
Duration of last session	2-8-1
Duration of all sessions	2-8-2
Clear timers	2-8-3

3 PROFILES

NORMAL. 3-1
- Select 3-1-1
- Customize 3-1-2
  - Ringing options 3-1-2-1
  - Ringing tone 3-1-2-2
  - Ringing volume. 3-1-2-3
  - Vibrating alert. 3-1-2-4
  - Light alert 3-1-2-5
  - Message alert tone. . .3-1-2-6
  - Keypad tones 3-1-2-7
  - Warning tones 3-1-2-8
  - Alert for. 3-1-2-9
- Timed 3-1-3

SILENT 3-2
- Select 3-2-1
- Customize 3-2-2
  - Ringing options 3-2-2-1
  - Ringing tone 3-2-2-2
  - Ringing volume. 3-2-2-3
  - Vibrating alert. 3-2-2-4
  - LIght alert 3-2-2-5
  - Message alert tone. . .3-2-2-6
  - Keypad tones 3-2-2-7
  - Warning tones 3-2-2-8
  - Alert for. 3-2-2-9
  - Profile name 3-2-2-10
- Timed 3-2-3

Submenus for **Meeting**, **Outdoor**, *and* **Pager** *are the same as* **Silent**

MEETING. 3-3

OUTDOOR 3-4

PAGER. 3-5

4 SETTINGS

TIME AND DATE SETTINGS .4-1
- Clock. 4-1-1
- Date 4-1-2
- Auto-update of date & time 4-1-3

CALL SETTINGS 4-2
- Automatic volume control 4-2-1
- Call forwarding 4-2-2
- Anykey answer 4-2-3
- Automatic redial 4-2-4
- 1- touch dialing. 4-2-5
- Call waiting 4-2-6
- Summary after call 4-2-7
- Send my caller identity . . 4-2-8
- Line for outgoing calls[1] . . 4-2-9

PHONE SETTINGS 4-3
- Language 4-3-1
- Automatic keyguard 4-3-2
- Cell info display 4-3-3
- Welcome note 4-3-4
- System selection 4-3-5
- Confirm SIM service actions. 4-3-6
- Help text activation. 4-3-7
- Start-up tone 4-3-8

DISPLAY SETTINGS 4-4
- Wallpaper. 4-4-1
- Color schemes 4-4-2
- Operator logo 4-4-3
- Screen saver timeout. . . . 4-4-4
- Display brightness 4-4-5

TONE SETTINGS. 4-5
- Ringing options 4-5-1
- Ringing tone. 4-5-2
- Ringing volume 4-5-3
- Vibrating alert 4-5-4
- Light alert. 4-5-5
- Message alert tone 4-5-6
- Keypad tones 4-5-7
- Warning tones 4-5-8

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[1] For availability, contact your wireless provider.

- Alert for 4-5-9
- **ACCESSORY SETTINGS 4-6**
  - Headset 4-6-1
    - Default profile 4-6-1-1
    - Automatic answer . . .4-6-1-2
  - Handsfree. 4-6-2
    - Default profile 4-6-2-1
    - Automatic answer . . .4-6-2-2
    - Lights. 4-6-2-3
  - Loopset. 4-6-3
    - Default profile 4-6-3-1
    - Automatic answer . . .4-6-3-2
  - TTY 4-6-4
- **SECURITY SETTINGS 4-7**
  - PIN code request 4-7-1
  - Call restrictions 4-7-2
  - Fixed dialing. 4-7-3
  - Closed user group 4-7-4
  - Security level 4-7-5
  - Access codes 4-7-6
- **RESTORE FACTORY SETTINGS. 4-8**

5 ALARM CLOCK

6 RADIO

7 GALLERY

- **VIEW FOLDERS 7-1**
- **ADD FOLDER. 7-2**
- **DELETE FOLDER 7-3**
- **RENAME FOLDER 7-4**
- **GALLERY DOWNLOADS. . . .7-5**

8 ORGANIZER

- **CALENDAR 8-1**
- **TO-DO LIST 8-2**

9 GAMES

- **SELECT GAME. 9-1**
- **GAME DOWNLOADS 9-2**
- **MEMORY 9-3**
- **SETTINGS 9-4**
  - Game sounds 9-4-1
  - Game lights 9-4-2
  - Shakes. 9-4-3

10 APPLICATIONS

- **SELECT APPLICATION . . .1-0-1**
- **APP. DOWNLOADS 1-0-2**
- **MEMORY 1-0-3**

11 EXTRAS

- **CALCULATOR. 1-1-1**
- **COUNTDOWN TIMER. . . .1-1-2**
- **STOPWATCH 1-1-3**
- **CALORIE CALCULATOR . .1-1-4**
- **THERMOMETER. 1-1-5**
- **SOUND METER 1-1-6**

12 CONNECTIVITY

- **INFRARED 1-2-1**
- **GPRS. 1-2-2**
  - GPRS connection 1-2-2-1
  - GPRS modem settings . . 1-2-2-2

13 SERVICES

- **HOME 1-3-1**
- **BOOKMARKS. 1-3-2**
- **SERVICE INBOX. 1-3-3**
- **SETTINGS 1-3-4**
  - Connection settings. . . 1-3-4-1
  - Appearance settings . . 1-3-4-2
  - Security settings 1-3-4-3
  - Service inbox settings . 1-3-4-4
- **GO TO ADDRESS 1-3-5**
- **CLEAR THE CACHE 1-3-6**

4 Basic operations

• SET THE CLOCK

Before many functions such as call timers and other features will operate properly, you need to set the clock.

1 At the start screen, press **Menu 4-1-1** (**Settings** > **Time and date settings** > **Clock**).

After a brief pause, **Show clock** (or **Hide clock**) **Set the time**, and **Time format** appear in the display with **Show clock** (or **Hide clock**) highlighted.

2 Scroll to **Set the time** and press **Select**.

3 Enter the time (in *hh:mm* format) and press **OK**.

Scroll to **am** or **pm** and press **Select**. The time is set.

• MAKE AND ANSWER CALLS

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.

The keypad

1 Enter the phone number (including the area code), and press the talk key.

To delete a character to the left of the cursor, press **Clear**.

2 Press the end key to end the call or to cancel the call attempt.

Use the phone book

1 At the start screen, press the down scroll key and scroll to the entry you wish to view.

2 Press the talk key to make the call or press **Details** to view details of the entry.

Tip: To quickly search the list of entries in your phone book, press any key in which the letters match the first letter of the name for which you are searching.

Answer or reject an incoming call

- Press the talk key to answer the call
- Press the end key to reject the call; the call is diverted to your voicemail

Note: The call is diverted to your voicemail only if **Forward if busy** is activated, and the voice mailbox number is selected.

Tip: If the HDB-4 or HDS-3 headset is connected, you can answer or end a call by pressing the key on the headset.

Answer a call with the keypad locked

To answer a call with keyguard on, simply press the talk key. During the call, all features function as normal. When you end or reject the call, the keypad automatically relocks.

Note: When Keyguard is on, calls may be possible to dial emergency numbers (for example, 911 or other official emergency numbers). Key in the emergency number and press the talk key. The number is displayed only after you have keyed in its last digit.

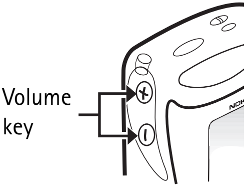
Redial the last number

1. At the start screen, press the talk key to display the last 20 numbers you have dialed.
2. Press the talk key to redial the last number, or scroll to the number (or name) you wish to redial and press the talk key.

Adjust the earpiece volume

- To increase the volume of a call, press the volume up key on the left side of the phone.
- To decrease the volume of a call, press the volume down key on the left side of the phone.

  When adjusting the volume, a bar chart appears in the display indicating the volume level.



• CALL AND SET UP YOUR VOICEMAIL

1. Once you have saved the voice mailbox number, press and hold the 1 key.
2. When you connect and the prerecorded greeting begins, follow the automated instructions to set up your voicemail.

Listen to your voice messages

Once you have set up voicemail, you can dial the number one of three ways:

- Dial the number using the keypad
- Press and hold the 1 key
- Press **Listen** if there is a notification message in the display

When you connect and the prerecorded greeting begins, follow the automated instructions to listen to your voice messages.

Make a conference call

Conference calling is a network service that allows up to six persons to take part in a conference call.

1. Make a call to the first participant.
2. To call a new participant, press **Options**, scroll to **New call**, and press **Select**.
3. Enter the phone number of the new participant (or press **Find** to retrieve a number from your phone book) and press **Call**. The first call is put on hold.
4. When the new call picks up, press **Options**, scroll to **Conference**, and press **Select** to connect the calls.
5. To add a new participant to the call, repeat steps 2–4.

HAVE A PRIVATE CONVERSATION WITH ONE OF THE PARTICIPANTS:

6. Press **Options**, select **Private call** and select the desired participant. Rejoin the conference call as described in step 4.
7. To end the conference call, press the end key.

• OPTIONS DURING A CALL

Many of the options that you can use during a call, are network services. Press **Options** during a call to display those listed in the following table.

Scroll to an option and press **Select** to activate the option or enter its submenu

Option	Function
Mute	Mute your voice; you can hear the other party but they cannot hear you.
Unmute	Return to normal from mute status.
End call	End the call.
End all calls	End all calls within a conference call.
Phone book	Open the phone book menu.
Menu	Display the main menus.
Hold	Place the current call on hold.
Unhold	Remove the current call from hold status.
New call	Place a new call; the first call is put on hold.
Conference	Call another party and invite them into the call.
Private	Have a private conversation with one participant in a conference call.
Answer	Answer another incoming call.
Reject	Reject a call; the calling party receives a busy signal.
Loudspeaker	Enable the handsfree feature in your phone.
Handset	Disable handsfree and return to normal use (earpiece).
Touch tones	Send touch tones generated by your phones keypad.
Swap	Switch between the active call and the call on hold.
Auto volume	Turn automatic volume on or off.
Lock keypad	Disable keys to prevent accidental calls.

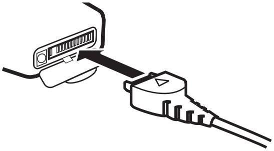
Press **Swap** to switch between the active call and the call on hold, **Conference** to connect a call on hold, and the end key to disconnect yourself from all calls.

• SET UP YOUR PHONE

The HDB-4 is an optional accessory.

Connect the headset

1. Plug the headset plug into the Pop-Port™ connector at the bottom end of your phone.



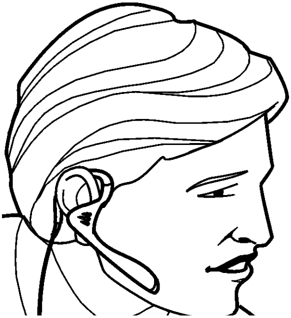
2. Position the headset on your ear as it appears in the illustration to the right.

   With the headset connected, you can make, answer, and end calls as usual.

   Use the keypad to enter numbers.

   Press the talk key to place a call.

   Press the end key to end a call.



Adjust display brightness

1. Press **Menu 4-4-5** (**Settings** > **Display settings** > **Display brightness**).

   After a brief pause, a bar chart appears in the display indicating the current brightness level.

2. Press the left or right scroll keys to adjust the brightness to your preference.

Change the Xpress-on™ shells

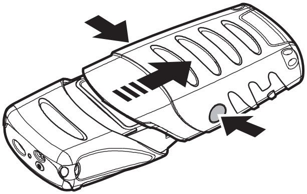
Important: Before changing the shells, always switch off the power and disconnect the phone from the charger or any other device. Always store the phone with the shells attached.

Note: To avoid smudging the screen, try to keep your fingers away from the phone screen once the upper shell has been removed.

REMOVE THE LOWER SHELL

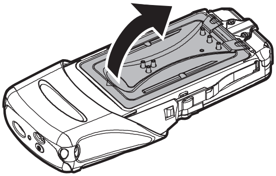
1 Push the lower shell release indentions at the top of the phone.

2 Slide the lower shell away from the phone to remove.



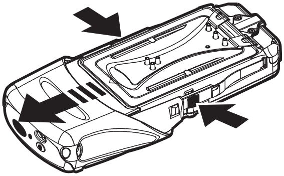
REMOVE THE BATTERY

3 After you have removed the lower shell, grasp the removal flap and gently pull; the battery lifts from its compartment.



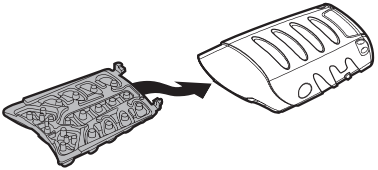
REMOVE THE UPPER SHELL

4 Press the metal release bumps on the sides of the phone while gently sliding the upper shell away from the rest of the phone.

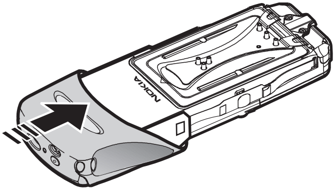


INSTALL THE KEY MAT AND NEW SHELLS

5 Remove the key mat from the old lower shell and place it into the new lower shell as shown.

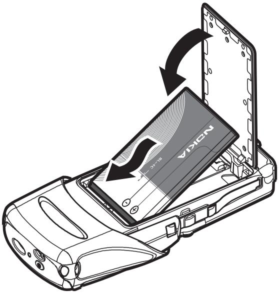


6 Slide the upper shell over the top of the phone until it clicks into place.



7 Replace the battery. Position the battery so the gold contacts match up with those on the phone.

The battery label should be facing *away* from the phone.

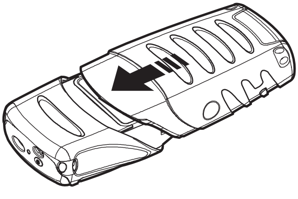


8 Insert the battery, contact end first into the battery slot.

9 Snap the other end of the battery into place and snap the back of the phone closed.

10 Place the phone into the lower shell.

11 Slide the shell forward until it clicks into place.



5 Text entry

You can use two methods for entering text and numbers.

- The **standard mode** is the only way to enter names into such things as the phone book, and renaming caller groups
- **Predictive text input** is a quick and easy method for writing messages

• STANDARD MODE

Text (Abc)

- Press a key once to insert the first letter on the key, twice for the second letter, and so on. If you pause briefly, the last letter in the display is accepted and your phone awaits the next entry.
- Press the 0 key to enter a space thereby accepting a completed word.
- Press the 1 key to enter a period (.).
- Press the star key to display special characters. See more about special characters on the following pages.

Numbers (123)

To switch to **123** mode from **Abc** mode, press and hold the pound key at any message entry screen until the icon in the upper left corner of the display switches from **Abc** to **123** (or vice versa).

CLEAR THE SCREEN

- Press **Clear** to backspace the cursor and delete a character.
- Press and hold **Clear** to backspace continuously and delete.

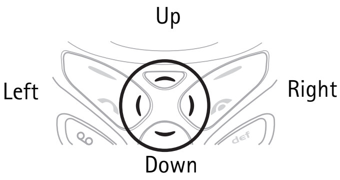
Punctuation and special characters

While at any text entry screen, press the star key to display special characters (press and hold the star key if predictive text is on). The following special characters are available.

.	,	'	?	!	"	-	(	)	@	/
:	_	;	+	&	%	*	=	<	>	£
€	$	¥	¤	[	]	{	}	\	~	^
¡	¿	§	#	|	␣	↵				

Four-way scrolling

Navigate special characters using the scroll keys much as you would a joystick. Once a character is highlighted, press **Insert** to insert the character into your message.



• PREDICTIVE TEXT INPUT

Predictive text input allows you to quickly write messages using your keypad and the built-in dictionary. You can use predictive text to write messages, create calendar notes, make to-do lists, and more.

Activate/deactivate predictive text

1 At a text entry screen, press and hold **Options**. **T9 prediction off** or **T9 prediction on** appears (depending on the prior mode).

OR

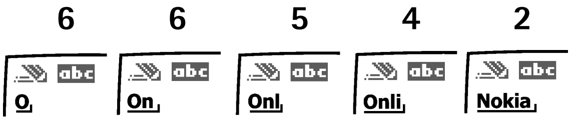
If predictive text is off, press **Options**, scroll to **Predictive text**, and press **Select**.

2 Scroll to the language of your choice and press **Select**.

Predictive text is turned on. The predictive text icon (✎) appears in the upper left corner of the display.

Write with predictive text

For example, to write *Nokia* with the English dictionary selected, press each of the following keys only *once*: (with predictive text **on**). The illustration below simulates your display each time a key is pressed.



PREDICTIVE TEXT TIPS

- Press the 0 key to enter a space and begin writing the next word.
- If a displayed word is not correct, press the star key to see other matches.
- If **?** appears after a word, press **Spell** to add the word to the dictionary.
- Press the 1 key to insert a period into your message.
- Press and hold **Options** to turn predictive text on and off.
- Press and hold the star key to display special characters. See “Punctuation and special characters” and “Four-way scrolling” on the previous page for the easiest way to enter special characters.

Note: Press the pound key to switch predictive text on and off or to cycle through the various modes available. As you press the pound key, the following icons (not descriptions) appear in the display:

ABC Uppercase text; Predictive text is **Off**

abc Lowercase text; Predictive text is **Off**

Abc Sentence case text; Predictive text is **Off**

✎ Abc Sentence case text; Predictive text is **On**

✎ abc Lowercase text; Predictive text is **On**

Add new words to the dictionary

If you encounter a word that predictive text does not recognize, a question mark (**?**) follows the word and **Spell** appears in the lower left of the display.

Press **Spell**, enter your new word using the keypad, and press **Save**.

The word is added to the dictionary as well as to the message you are writing.

NOTES ABOUT ADDING WORDS

- New words that you accept by pressing **Save**, the 0 key, or deleting the space between two words are saved to the dictionary.
- Depending on the language and the length of the words, you may be able to add hundreds of words to the dictionary.
- When the dictionary is full, the most recent addition replaces the first.

6 Manage phone security

Lock the keypad (Keyguard)

Remember to lock your phone's keypad to prevent accidental calls. If the keypad is locked, it unlocks when you receive a call. After the call, the lock automatically reactivates.

Important: When Keyguard is on, calls may be possible to dial emergency numbers (for example, 911 or other official emergency numbers). Key in the emergency number and press the talk key. The number appears in the display after you have keyed in the last digit.

- To lock the keypad, press **Menu** then the star key.

Unlock the keypad

- At the start screen, press **Unlock** then the star key.

• SECURITY LEVELS

The security level determines your access to features when a non-owner SIM card is used. A non-owner SIM card is one (other than the original) that is inserted after you power off the phone. There are three security levels:

Off–Owner and non-owner cards are treated the same.

Memory–Non-owner cards can access SIM memory. Any changes to the memory setting requires the security code. The owner card has access to all features, but the security code is required to change a memory setting.

Phone–The security code is required upon power-up.

Set your security level

1. At the start screen, press **Menu 4-7-5** (**Settings** > **Security settings** > **Security level**).
2. After a brief pause, you are prompted to enter the security code. The default code is 12345. Enter the security code and press **OK**.
3. Scroll to **Off**, **Memory**, or **Phone** and press **Select**. A message appears in the display confirming your selection.

• FIXED DIALING

Once you set up and activate a fixed dialing list, your phone can make calls *only* to those numbers that you have defined in the fixed dialing list. Fixed dialing is a network feature and must be supported by your wireless provider.

Note: When fixed dialing is turned on, calls may be possible to certain emergency numbers in some networks (for example, 911 or other official emergency numbers).

Set up and activate a fixed dialing list

1 At the start screen, press **Menu 4-7-3** (**Settings** > **Security Settings** > **Fixed dialing**). After a brief pause, the options in the following table appear in the display.

On–Activate fixed dialing (see Note above).

Off–Deactivate fixed dialing.

Number list–View the numbers in your fixed dialing list.

Note: If you activate fixed dialing and the number list is empty, you are unable to make outgoing calls, except to emergency numbers like 911.

2 Scroll to **Number list** and press **Select**. **Fixed dialing not active** and then **Fixed dialing list empty** appear in the display.

3 You are prompted to enter the PIN2 code. Enter the PIN2 code and press **OK**.

4 Enter the fixed dialing number, or press **Find** to retrieve a number from your phone book and press **OK**.

5 Enter a name for the number and press **OK**. A confirmation note appears in the display and you are returned to the fixed dialing number list.

6 Press **Back**, scroll to **On**, and press **Select** to activate fixed dialing.

View or edit the fixed dialing list

1 At the start screen, press **Menu 4-7-3** (**Settings** > **Security Settings** > **Fixed dialing**).

2. Scroll to **Number list** and press **Select**.

   You are prompted to enter the PIN2 code.

3. Enter the PIN2 code and press **OK**.

   Any numbers which you have assigned to fixed dialing appear in the display.

4. Scroll to a number and press **Options**.

   The following fixed-dialog options appear in the display. Use the scroll keys to highlight an option. Press **Select** to activate or enter an option's submenu:

   View number–View the number for an entry.

   Add–Add a number to your fixed dialing list.

   Edit–Edit the highlighted entry.

   Delete–Delete the highlighted entry.

   Delete all–Delete all entries in your fixed dialing list.

Notes about fixed dialing

- If a SIM card with fixed dialing that is activated is inserted into a phone that does not support fixed dialing, the SIM card is rejected
- If you try to add a name (without a number) to the fixed dialing list, you will receive an error message
- If you try to browse the fixed dialing list, but have not stored any numbers, **Fixed dialing list empty** appears in the display
- You cannot access SIM memory manually (view or copy numbers on the SIM card) while fixed dialing is active

• ACCESS CODES

Use access codes to change your security code, PIN code, and PIN2 code.

Note: Avoid using codes similar to emergency numbers, for example, 911 to prevent accidental dialing of the emergency number.

The security code

The security code controls access to features such as the security level and is supplied with the phone. The preset code is 12345.

Note: If you enter the wrong security code five times in succession, you will not be able to enter a code for five minutes, even if you power off the phone between incorrect entries.

CHANGE YOUR SECURITY CODE

Once you change the security code from its preset of 12345, keep the new code secret, and in a safe place separate from your phone.

1 Press **Menu 4-7-6-1** (**Settings** > **Security settings** > **Access codes** > **Change security code**).

After a brief pause, you are prompted to enter the current security code (default is 12345).

2 Enter the current security code and press **OK**. You are prompted to enter the new security code.

3 Enter the new security code (up to 10 characters) and press **OK**. You are asked to re-enter the new security code for verification.

4 Enter the new security code again and press **OK**. A message appears in the display confirming your security code has been changed.

The PIN code

The PIN code protects the SIM card from unauthorized access. The PIN code can be 4–8 digits in length. After three successive incorrect entries the PIN code is blocked and you will be asked to enter the personal unblocking key (PUK) code.

Note: The PIN code must be obtained from your wireless provider. The PIN code is typically provided with your SIM card.

PIN CODE REQUEST

Enable your phone to request the PIN code upon power-up. This provides extra security in case your phone is lost or stolen.

1 Press **Menu 4-7-1** (**Settings** > **Security settings** > **PIN code request**).

After a brief pause, you are prompted to enter the current PIN code.

2. Enter the PIN code and press **OK**.
3. Scroll to **On** and press **OK**.

   A message appears in the display confirming your selection.

CHANGE YOUR PIN CODE

Before you can change your PIN code, you will need to enable **PIN code request**. See “PIN code request” on page 40 immediately preceding this section.

1. Press **Menu 4-7-6-2** (**Settings** > **Security settings** > **Access codes** > **Change PIN code**).
2. After a brief pause, you are prompted to enter the current PIN code. Enter the PIN code and press **OK**.
3. You are prompted to enter the new PIN code. Enter the new PIN code and press **OK**.
4. You are prompted to re-enter the new PIN code for verification. Enter the new PIN code again and press **OK**.

   A message appears in the display confirming your PIN code has been changed.

The PIN2 Code

The PIN2 code is required for features such as Fixed dialing. If you enter an incorrect PIN2 code three times in succession, the PIN2 code is blocked and you will have to enter the PUK2 code.

Note: The original PIN2 code must be obtained from your wireless provider.

CHANGE YOUR PIN2 CODE

1. Press **Menu 4-7-6-3** (**Settings** > **Security settings** > **Access codes** > **Change PIN2 code**). You are prompted to enter the current PIN2 code.
2. Enter the current PIN2 code and press **OK**. You are prompted to enter the new PIN2 code.

3 Enter the new PIN2 code and press **OK**. You are asked to verify the new PIN2 code by entering it again.

4 Enter the new PIN2 code again and press **OK**. A message appears in the display confirming you have changed the PIN2 code.

Personal unblocking key (PUK) codes

PUK and PUK2 codes are used to restore blocked PIN and PIN2 codes. Both PUK and PUK2 codes are eight characters in length and cannot be changed. PUK and PUK2 codes must be obtained from your wireless provider.

Important: If you enter an incorrect PUK or PUK2 code 10 times in succession, the message **SIM rejected** appears in the display and the SIM card can no longer be used. You must contact your wireless provider for a new SIM card.

Closed user groups

A closed user group is a network service that specifies the group of people whom you can call and who can call you. For more information contact your network operator or service provider.

7 The phone book

Your phone book can save up to 300 names, with multiple numbers and text notes for each name. The amount of numbers and text entries that you can save may vary, depending on their length and the total number of entries in the phone book.

Note: This feature uses shared memory. See “Shared memory” on page 14 for more information.

• VIEW THE PHONE BOOK MENU

1. At the start screen, press the right selection key under **Names.** The menu items in the left column of the following table appear in the display.
2. Scroll to an item. Press **Select** to activate the feature or enter its submenu.

Menu item	Function
Find	Find a name or select from a list.
Add entry	Add a name to your phone book.
Edit name	Edit an existing name.
Delete	Delete a name and its associated numbers.
Copy	Copy entries from Phone memory to SIM and vice versa.
Add number	Add a number to an existing name.
Settings	Set memory in use (Phone or SIM), change your phone book view, and check the memory status of your Phone and SIM card.
1-touch dialing	Display the list of 1-touch dialing numbers saved to memory
Service numbers	Display a list of numbers related to your wireless provider

Menu item	Function
Own numbers	View the numbers (line 1, line 2, data) in use by your SIM card
Caller groups	View and edit the properties (such as the ring tone) for any of the caller groups

• SAVE NAMES AND NUMBERS

You can save names and numbers to phone memory or to SIM memory.

Quickly save a name and number

1. At the start screen, enter the phone number you wish to save.
2. Press **Options**, ensure **Save** is highlighted, and press **Select**.
3. Enter a name for the number and press **OK**. A confirmation message appears in the display indicating your entry has been saved.

Quickly save (only) a number

You can save a phone number as a stand-alone entry in your phone book.

1. At the start screen, enter the number you wish to save.
2. Press and hold **Options**. A message appears in the display confirming your number is saved.

Save an entry using the phone book menu

1. At the start screen, press **Names**, scroll to **Add entry**, and press **Select**.
2. Enter a name using the keypad and press **OK**.
3. Enter a number and press **OK**.
4. Press **Done** to return to the start screen.

Save addresses and notes

To save an e-mail address, you will add it to an existing entry (name).

1. Find the entry (name) in your phone book to which you want to add an address or note.
2. With the entry highlighted, press **Details**.

3 Press **Options**, scroll to **Add detail** and press **Select**.

4 Scroll to the address or note of your choice and press **Select**.

5 Enter the text for the note or address and press **OK**.

Select your phone book view and memory

1 Press **Names**, scroll to **Settings**, and press **Select**.

2 Scroll to any of the following options and press **Select** to enter the submenu:

Memory in use–Select the memory you wish to use. Options are **Phone**, **SIM card**, or **Phone and SIM** combined. With **Phone and SIM** selected, names and numbers are saved to phone memory but entries saved to both memories appear in the display.

Phone book view–Select the **Name list**, **Name and number**, or **Name only** view.

Memory status–View the amount of phone or SIM memory used as well as the amount of phone or SIM memory available.

Save multiple numbers and text items per name

You can save different types of phone numbers and short text items per name (in phone memory) to the phone book. The first number you save for any entry is automatically set as the default, or primary number.

1 At the start screen, press the down scroll key and scroll to the entry to which you wish to add a number or text item.

2 Press **Details**, then press **Options**.

3 Scroll to **Add number** or **Add detail** and press **Select**.

4 Scroll to one of the following types and press **Select**:

General
Mobile
Home
Work
Fax
E-mail address
Web address
Street address
Note

5 Enter the number or text for the type you have selected and press **OK**.

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

CHANGE THE DEFAULT (PRIMARY) NUMBER

1 At the start screen, press the down scroll key to scroll to the entry you wish to change, and press **Details**.

2 Scroll to the number you wish to set as default and press **Options**.

3 Scroll to **As primary number** and press **Select**.

Search for a name in the phone book

1 At the start screen, press the down scroll key to display the contents of your phone book.

2 Press the key which corresponds to the first letter of the name for which you are performing a search.

3 Press the up or down scroll key to scroll up and down through names in the list.

Press the left or right scroll key to move the cursor left or right in the search window at the bottom of the display, if necessary.

4 Press **Details** to view the details of the selected name.

Edit a name, number, or text item

1 Search for the entry as described in the previous section and press **Details**.

2 Scroll to the name, number or text item you wish to edit and press **Options**.

3 Scroll to **Edit name**, **Edit number**, or **Edit detail** and press **Select**.

4 Edit the name, number, or detail to your preference and press **OK**.

Delete names and numbers

1 At the start screen, press **Names**, scroll to **Delete**, and press **Select**.

2 To delete individual names and numbers, scroll to **One by one** and press **Select**.

3 Scroll to the entry you wish to delete, press **Delete**, and press **OK** to confirm the deletion.

4 To delete the entire contents of your phone book, scroll to **Delete all**, then scroll to the phone book you wish to delete (**Phone** or **SIM card**).

5. Press **Delete**, then press **OK** to confirm. You are asked to enter the security code.
6. Enter the security code and press **OK**.

• COPY PHONE BOOK ENTRIES

1. At the start screen, press **Names**, scroll to **Copy**, and press **Select**.
2. Scroll to **From phone to SIM card** or **From SIM card to phone** and press **Select**. The following options appear in the display:

   One by one–Select and copy entries one by one.

   All–Copies all entries from the SIM card or Phone.

   ***Primary numbers**–Copies only primary numbers. This appears only if you select **From phone to SIM**.
3. Scroll to the copy method of your choice and press **Select**.
   - **a)** If you selected **One by one**, go to step 4.
   - **b)** If you selected **All** or **Primary numbers**, go to step 6.
4. Scroll to the entry you wish to copy and press **Copy**.
5. Scroll to **Keep original** or **Move original** and press **Select**. The entry is copied and you are returned to the list of phone book entries.
6. If you selected **All** or **Primary nos.** in step 3, scroll to **Keep original** or **Move original** and press **Select**.
7. Press **OK** to confirm your choice. All entries are copied to the selected destination.
8. Press **Back** to return to the list of phone book entries, or press the end key to exit and return to the start screen.

Caution: Select **Keep original** if you are unsure of which copy method to use. This ensures original entries are merely copied to the new location. **Move original** deletes files after copying.

Send and receive business cards

You can send and receive an entry in your phone book using IR or text message, if supported by your wireless provider.

RECEIVE A BUSINESS CARD VIA IR

1. Press **Menu 1-2-1** (**Connectivity** > **Infrared**) to ensure that IR is activated.

   When you receive the business card, your phone beeps and a message appears in the display.
2. Press **Show**, then press **Save** to save the business card in the phone's memory, or press **Exit**, then press **OK**, to discard the business card.

SEND A BUSINESS CARD

You can send a business card using IR or as a text message to a compatible phone or other handheld device.

1. Highlight an entry from the phone book that you wish to send and press **Details**.
2. Press **Options**, scroll to **Send bus. card**, and press **Select**.
   - To send the business card using IR, make sure the receiving device is set up to receive data using its IR port and select **Via infrared**.
   - To send the business card as a message, select **Via text message**.
3. If you selected **Via infrared** (and the entry has multiple subentries) scroll to **Primary number** or **All details** and press **Select**. Your business card is sent.
4. If you selected **Via text message** (and the entry has multiple subentries), scroll to **Primary number** or **All details** and press **Select**.
5. Enter the number for your recipient or press **Find** to retrieve a number from your phone book.
6. Press **OK** and the business card is sent.

• 1-TOUCH DIALING

You can associate any entry in your phone book with keys 2–9 and then dial those entries by pressing and holding the assigned key.

Assign a key to 1-touch dialing

1. At the start screen, press **Names,** scroll to **1-touch dialing**, and press **Select**.

2. Scroll to any empty slot and press **Assign**.
3. Enter the number (including the area code) and press **OK**, or press **Find** to retrieve a number from your phone book.
4. Enter a name for the number and press **OK**.

   If 1-touch dialing is off, the phone displays a prompt asking if you would like to turn 1-touch dialing on.
5. Press **Yes** to activate 1-touch dialing.

   The entry appears in the slot you have assigned.

Make a call with 1-touch dialing

1. From the start screen, press **Menu 4-2-5** (**Settings** > **Call settings** > **1-touch dialing**).
2. Scroll to **On** and press **Select**.
3. From the start screen, you can now press and hold the key to which an entry has been assigned. Your phone dials the entry assigned to the key.

CHANGE 1-TOUCH DIALING NUMBERS

1. At the start screen, press **Names**, scroll to **1-touch dialing** and press **Select**.
2. Scroll to the 1-touch dialing entry you wish to change and press **Options**.
3. Scroll to **Change** and press **Select**.
4. Enter the new number, or press **Find** to retrieve a number from your phone book, and press **OK**.
5. Enter a name for the entry and press **OK**.

DELETE 1-TOUCH DIALING NUMBERS

1. At the start screen, press **Names**, scroll to **1-touch dialing** and press **Select**.
2. Scroll to the 1-touch dialing location you wish to delete and press **Options**.
3. Scroll to **Delete** and press **Select**. You are asked to confirm the deletion.
4. Press **OK** to delete the key assignment.

• VIEW INFO, SERVICE, AND OWN NUMBERS

Your wireless provider may have saved your operating number, as well as various information and service numbers to your SIM card.

Note: This feature may not be supported by your SIM card. If so, contact your wireless provider for more information.

1. Press **Names** at the start screen, scroll to one of the following number types, and press **Select**.

   Info numbers–Contact your wireless provider to obtain information.

   Service numbers–Contact your wireless provider to obtain service.

   Own numbers–Display the operating number, or numbers which have been assigned to your phone by your wireless provider.

2. To view details of any of the number types in the previous list, press **Details** when the number type appears in the display.

Caller groups

You can add phone book entries to any of five caller groups, and then assign a unique ringing tone or graphic to that group. This enables you to identify callers from the group by their unique ringing tone or graphic. A caller group can be as small as one person or as large as your entire phone book. Caller groups can be renamed to suit your preference.

CALLER GROUP OPTIONS

1. At the start screen, press **Names**, scroll to **Caller groups**, and press **Select**. **Family**, **VIP**, **Friends**, **Business**, and **Other** are available.

2. Use the up and down scroll keys to highlight a group. Press **Select** to display the following caller group options:

   Rename group–Rename the group to your preference.

   Group ringing tone–Set the ringing tone for the group.

   Group logo–Turn the graphic for the caller group on or off.

   Group members–Add or remove members from the caller group.

Set up a caller group

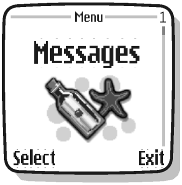
1. At the start screen, press the down scroll key to display a list of entries in your phone book.

Tip: Perform a “quick find” when phone book entries are displayed by entering the first letter of a name. 🔍 appears at the bottom of the display to indicate you are performing a search.

2. Scroll to a name you want to add to a caller group and press **Details**.
3. Press **Options**, scroll to **Caller groups**, and press **Select**.
4. Scroll to the caller group to which you want to add the name and press **Select**. A confirmation message appears in the display.

8 Menu functions

Messages (Menu 1)



If you have subscribed to a message service, you can receive and send messages to compatible phones that have also subscribed to a message service. You can also send and receive picture messages, multimedia messages, and e-mail if supported by your network.

Linked messages

Your phone can send and receive long messages (up to 450 characters) in sequences. While receiving linked messages, you can start reading the first part before the phone has received the entire message.

While viewing the message, you may see ***some text missing*** on the display. This is normal, and the message content will be updated as soon as the missing sequence arrives.

If the memory is full, you may have to delete a message from your inbox or outbox before your phone can update the missing text.

Before you can send and receive messages

You will need the following to send and receive messages:

- A messaging service through your wireless provider
- A message center number, which must be saved to your phone (if your wireless provider has not done so already)

Message icons

Icons that precede the title of a message indicate the following:

✉	The message has not been read.
🖂	The message has been read.

✉	A message (which you have composed) has not been sent.
i	The message is a delivery report.
🗐	The message is a MMS (multimedia message).

Choose your message type

You can choose the type of message sent by your phone. Types include text, fax, e-mail, and page.

Note: The default message type is **Text**.

Note: This feature must be supported by your wireless provider.

1 At the start screen, press **Menu 0-1-6** (**Messages** > **Message settings**).

  After a brief pause, **Text messages** appears highlighted.

2 Press **Select**.

  Sending profile is highlighted.

3 Press **Select**.

  Default profile is highlighted.

4 Press **Select**.

5 Scroll to **Messages sent as** and press **Select**.

6 Scroll to the message type of your choice and press **Select**. A message appears in the display confirming your selection.

Save your message center number

Messages sent by your phone are routed through your wireless provider's message center. Normally, this number is saved to your phone by your wireless provider. To save the number manually, do the following:

1 At the start screen, press **Menu 0-1-6** (**Messages** > **Message settings**).

  Text messages is highlighted.

2 Press **Select**.

  Sending profile is highlighted.

3. Press **Select**.

   Default profile is highlighted.

4. Press **Select**.

   With the message center number highlighted, press **Select**.

5. *If the box in the display is empty*, enter the number given by your wireless provider and press **OK**.

6. *If the box is in the display is full*, edit the number *only* if you are sure the number is incorrect, or you want to change the number, and press **OK**.

   A message appears in the display confirming your number is saved.

• WRITE AND SEND A TEXT MESSAGE

Tip: Review "Text entry" on page 33.

Note: This feature uses shared memory. Please see "Shared memory" on page 14 for more information.

1. At the start screen, press **Menu 0-1-1-1** (**Messages** > **Text messages** > **Create message**).

Tip: To go quickly to the **Create message** display, press the left scroll key at the start screen.

2. After a brief pause, the message entry screen appears in the display.
3. Compose a message using the keypad and press **Options**.
4. Scroll to **Send** and press **Select**.
5. Enter the recipient's phone number, or press **Find** to retrieve a number from your phone book, and press **OK**. Your message is sent.

Read messages

When you receive a message, your phone beeps and **Message received** appears in the display as well as the unopened letter icon (✉).

1. Press **Show** to read the message, or **Exit** to move it to your inbox.

Note: When you have unopened messages in your inbox, ✉ is shown in the upper left corner of the start screen as a reminder.

2. Use the up and down scroll keys to view the whole message if necessary.

Tip: Keep scrolling to view other information, such as the sender number and time the message was sent.

3. Press **Back** (or **Exit**) to move the message to the Inbox, or press **Options** for other choices, such as **Reply** or **Forward**.

Read linked messages

Your phone can receive one long message (up to 459 characters) in sequences. You can start reading the first part before the phone has received the entire message.

While viewing the message, you may see ***some text missing*** on the display. This is normal, and the message content will be updated as soon as the missing sequence arrives.

If the memory is full, you may have to delete a message from your inbox or outbox before your phone can update the missing text.

Reply to a message

1. While viewing a message, press **Options**, scroll to **Reply**, and press **Select**.
2. Compose your reply using the keypad, then press **Options**, scroll to **Send**, and press **Select**.
3. The number of the original sender appears in the display. Press **OK** and your reply is sent.

Forward a message

1. While viewing a message, press **Options**.
2. Scroll to **Forward** and press **Select**.
3. Scroll to **As text message** and press **Select**.

   Edit the message if you like.
4. Press **Options**, scroll to **Send**, and press **Select**.
5. Enter the recipient's phone number, or press **Find** to retrieve a number from your phone book.
6. Press **OK**. The message is forwarded.

• PICTURE MESSAGES

Note: This function can be used only if it is supported by your wireless provider. Only phones that offer compatible picture message features can receive and display picture messages. Contact your wireless provider for details.This feature uses shared memory. Please see "Shared memory" on page 14 for more information.

Your phone comes with 10 preloaded pictures. You can, however, overwrite any of the 10 pictures that come with your phone. Pictures can be attached to a message and sent using text message to compatible phones. Picture messages behave the same as text messages, but pictures take up more space than text. Pictures are stored in the templates folder under **Messages** > **Text messages** > **Templates**.

Note: You cannot send a picture message using e-mail.

Download pictures

Your phone can download pictures, or receive them from compatible phones using text messaging to use in messages. You can also create pictures and send them to your phone or other compatible phones using Nokia PC Suite.

Note: This function can be used only if it is supported by your wireless provider. Only phones that offer compatible picture message features can receive and display picture messages. Contact your wireless provider for details.

When you receive a picture message

When you receive a picture message, your phone beeps and **Message received** appears in the display as well the message icon (✉).

1. Press **Show** to view the picture message, or press **Exit** to move it to your inbox.
2. If you have more than one picture message, scroll to the message of your choice and press **Select** to view the message.

Note: When you have unopened picture messages in your inbox, ✉ is shown in the upper left corner of the start screen as a reminder.

3 Use the scroll keys to view the whole picture if necessary.

Tip: Keep scrolling to view other information, such as the sender number and time the message was sent.

4 Once you are finished, press **Back** to move the picture message to the Inbox, or press **Options** for other choices, such as **Reply** or **Forward**.

TO SAVE THE PICTURE

If you want to save the picture to your Templates folder for later use:

1 Press **Options**, scroll to **Save picture**, and press **Select**. You can then enter a title for the picture and press **OK**.

Note: If your templates folder is full of pictures, just scroll to the picture you want to replace and press **Select**.

Compose and send a picture message

One picture message is equivalent in size to three text messages. When you insert a picture into a message, you will have enough remaining space for about 121 characters in the message. If you try and insert a picture into a message that is almost full of text, a beep sounds and you are prompted to delete some text before proceeding.

1 At the start screen, press **Menu 01-1-1** (**Messages** > **Text messages** > **Create message**).

After a brief pause, the message edit screen appears in the display.

2 Write a message using the keypad (or enter nothing if you choose to just send a picture), and press **Options**.

Tip: Insert pictures before adding text. You can then check remaining space for text in the upper right corner of the display.

3 Scroll to **Insert picture** and press **Select**. A list of pictures appears in the display.

4 Scroll to a picture and press **View**.

5 Press **Insert** to insert the picture into your message, otherwise:

a) Press **Back**, scroll to another picture, and press **View** again.

b) Press **Insert** to insert the picture into your message.

6 To send the picture message, press **Options**, scroll to **Send**, and press **Select**.

7 Enter the phone number for your recipient (or press **Find** to retrieve a number from your phone book) and press **OK**. The message is sent.

PREVIEW, CHANGE, OR DELETE A PICTURE MESSAGE

1 After a picture has been inserted into your message, press **Options** at the message edit screen.

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

   a) **Preview**–Previews the inserted message before sending.

   Press **Back** to return to the list of options.

   b) **Change picture**–Takes you back to the picture list.

   Scroll to highlight a new picture, press **View** and then press **Insert** to replace the previous picture in your message.

   c) **Delete picture**–Press **OK** to delete the picture from your message, or press **Back** to return to the list of options.

• E-MAIL

You can send e-mail up to 160 characters in length to anyone with an e-mail address.

Important: The e-mail address is included in the total character count for an e-mail message, which is 160 characters.

Note: You cannot insert pictures into e-mail.

Note: Wireless providers may customize the text message settings interface. For more details about text message services, please contact your wireless provider.

Write and send e-mail

Note: See “Predictive text input” on page 34 for ways to write messages faster.

1 At the start screen, press **Menu 0-1-1-3** (**Messages** > **Text messages** > **Create e-mail**).

   After a brief pause, you are prompted to enter the e-mail address.

2 Enter the e-mail address, or press **Find** to retrieve an e-mail address from your phone book, and press **OK**.

3 Enter a subject for the e-mail and press **OK**.

4 Compose your e-mail using the keypad and press **Options**.

Tip: Be sure to leave enough space in the total character count (160) for the e-mail address.

5 Scroll to **Send e-mail**, if necessary, and press **Select**. Your e-mail is sent.

Reply to a message or e-mail

When you have received a text message or e-mail, ✉, the number of new messages and ___ **Message(s) received** appears in the display.

Note: The blinking ✉ indicates that the message memory is full. Before you can receive new messages, delete some of your old messages. See “Delete messages” on page 71 for more information.

- Press **Show** to view the message now, or **Exit** to view it later.

READ A MESSAGE LATER:

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

2 If more than one message is received, select the message you want to read and press **Select**.

An unread text or unviewed picture message is indicated by ✉ in front of the message, and a read text or viewed picture message by ✉.

To reply to a message:

1 Once you have read the message, press **Options**.

2 Scroll to **Reply** and press **Select**.

Scroll to one of the following options and press **Select**:

Empty screen–Gives you an empty screen in which to compose your reply.

Original text–Includes the original text message in your reply.

Template–Lets you choose from a list of templates. Select **Yes, No, OK, Thank you**, **Congratulations**, **Happy birthday**, etc., to insert that template at the beginning of your reply.

3 Once you have composed your reply, press **Options**.

4 Scroll to **Send** and press **Select**.

5 Enter the e-mail address or number to which you are replying and press **OK**.

• MULTIMEDIA MESSAGES

Note: This feature uses shared memory. See “Shared memory” on page 14 for more information.

A multimedia message (MMS) can contain text, images, and sounds. Your phone has a multimedia message viewer for playing messages and a multimedia inbox for storing saved messages. Once you save the multimedia message, you can use the image as a screen saver or the sound as a ringing tone.

Note: This function can be used only if it is supported by your wireless provider. Only compatible devices can receive and display multimedia messages.

A multimedia message can contain text, images and sounds. Your phone supports multimedia messages of up to 45 KB. If the maximum size is exceeded, the phone may not be able to receive the message. Depending upon your network, you may receive a message that includes an Internet address where you can go to view the multimedia message.

Pictures included in multimedia messages are scaled down to fit the size of your display.

Note: The default setting of the multimedia message service is on, and your wireless provider may charge for messages received.

Multimedia messaging supports the following formats:

- Picture: JPEG, GIF, PNG, OTA-BMP and WBMP.
- Sound: MIDI

Note: If a received message contains unsupported elements, they may be replaced with the text **Object format not supported**.

Define MMS settings

Before you can use the multimedia message feature, you need to first define the way you want to receive the messages.

ALLOW MULTIMEDIA RECEPTION

You can choose to receive all messages or to receive messages only when you are in the service provider's home network.

1 At the start screen, press **Menu 0-1-6-2-2** (**Messages** > **Message settings** > **Multimedia msgs**. > **Allow multimedia reception**). After a brief pause, a list of options appears in the display.

   Yes to allow all incoming messages

   In home system to allow incoming messages only if you are in the service provider's home system.

Note: In home system is the default setting.

2 After selecting one of the reception options, scroll to **Incoming multimedia messages**, then press **Select**.

3 Scroll to **Retrieve**, then press **Select**.

BLOCK MULTIMEDIA RECEPTION

1 At the start screen, press **Menu 0-1-6-2-2** (**Messages** > **Message settings** > **Multimedia msgs**. > **Allow multimedia reception**). After a brief pause, a list of options appears in the display.

2 Scroll to **No** and press **Select**.

ALLOW OR NOT ALLOW ADVERTISEMENTS

1 At the start screen, press **Menu 01-6-2-5** (**Messages** > **Message settings** > **Multimedia msgs.** > **Allow advertisements**). After a brief pause, **Yes** and **No** appear in the display.

2 Scroll to the setting of your choice and press **Select**.

Other MMS settings

Other multimedia settings include saving your messages to the **Sent items** folder and editing your connection settings.

Change multimedia message settings

1 At the start screen, press **Menu 0-1-6-2** (**Messages** > **Message settings** > **Multimedia msgs**.). After a brief pause, a list of options appears in the display.

2 Scroll to an option, and press **Select** to activate the option or to enter its submenu.

Message Setting	Function
Save sent messages	Saves sent multimedia messages to the **Sent items** folder.
Allow multimedia reception	Chooses **Yes**, **No**, or **In home network** for your multimedia service. **In home network** cannot receive multimedia messages outside the home network.
Incoming multimedia messages	Select **Retrieve** to receive multimedia messages, or **Reject** if you do not wish to receive multimedia messages.
Connection settings	Allows you to define connection parameters for multimedia messages; contact your service provider for details.
Allow advertisements	Allows you to enable or disable reception of automatic multimedia advertisements.

RECEIVE MULTIMEDIA CONNECTION SETTINGS AS A TEXT MESSAGE

You may be able to receive multimedia connection settings as a text message from your wireless provider. For more information, contact your wireless provider.

Edit multimedia connection settings

1 At the start screen, press **Menu 01-6-2-4** (**Messages** > **Message settings** > **Multimedia msgs**. > **Connection settings**).

2 Scroll to **Edit active multimedia settings** and press **Select**.

3 The connection settings in the following table appear in the display. Scroll to a setting, and press **Select** to enter the submenu.

Connection setting	Function
Settings' name	Rename the setting to your preference.
Homepage	Enter the homepage where your browser retrieves multimedia messages.
Proxies	Enable or disable proxies; you can select a primary and secondary proxy.
Primary proxy	You can select a primary proxy.
Secondary proxy	You can select a secondary proxy.
Data bearer	Select the data bearer.
Bearer settings	Select the data bearer settings.
GPRS access point	Define the access point.
Authentication type	Select from Normal or Secure.
User name	Edit or enter your user name.
Password	Edit or enter a password.

ABOUT CONNECTION SETTINGS

You may be able to receive multimedia connection settings as a text message from your wireless provider. For more information, contact your wireless provider.

SELECT A FONT SIZE FOR YOUR MESSAGES

1 Press **Menu 0-1-6-3-1** (**Messages** > **Message settings** > **Other settings** > **Font size**). After a brief pause a list of choices appears in the display.

2 Scroll to **Small font** or **Large font** and press **Select**. A message appears in the display confirming your selection.

Write and send a multimedia message

For availability and subscription to the multimedia messaging service, contact your wireless provider.

1. At the start screen, press **Menu 0-1-2-1** (**Messages** > **Multimedia messages** > **Create message**). After a brief pause, the message entry screen appears in the display.
2. Enter the text of your message and press **Options**.
3. Scroll to **Insert image** and press **Select**.
4. Choose your image from the list and press **Select**.
5. Scroll to **Send to number** or **Send to e-mail** and press **Select**.

Note: If you have attached a picture to the message, you cannot send the message via e-mail.

6. Enter the number of the recipient, or the e-mail address and press **Select**. The message is sent.

Read and reply to a multimedia message

When a multimedia message is being received, ✉ appears (blinking) in the display. Once the message has been fully downloaded, ✉ and **Multimedia message received** appear in the display.

1. To view the message, press **Show**. To view the message later, press **Exit**.
2. While viewing the message, press **Options**. Some or all of the following options may appear in the display. Scroll to an option and press **Select** to activate the option or enter its submenu.

Option	Function
Delete message	Delete a saved message.
Reply	Reply to the message. Press **Options**, then **Send**. The sender's phone number or e-mail is used as the default.
Forward to no.	Forward the message to another number.

Option	Function
Forward to e-mail	Forward the message to an e-mail address.
Edit	Edit the message. You can only edit messages that you have written.
Details	View the message subject, size, and class.
Play	Listen to a sound clip in the message, if one is included.
Save tone	Save a ringing tone, if included, to the gallery.
Zoom in	Enlarge the picture.
Save image	Save any picture that is attached to your picture gallery.

Note: If ✉ blinks and **Multimedia memory full, view waiting msg.** appears in the display, memory for multimedia messages is full. You need to delete some of your old messages. See "Delete messages" on page 71 for more information.

Chat

You can have a conversation with another person using this "faster text messaging" application. You cannot save messages, but you can view them while chatting.

START A CHAT SESSION

1. At the start screen, press **Menu 0-1-3** (**Messages** > **Chat**). After a brief pause, you are prompted to enter the recipient's phone number.
2. Enter the recipient's number or press **Find** to retrieve a number from the phone book, and press **OK**.
3. Enter your Chat name (up to five characters) and press **OK**.

   OR

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

5 Enter your chat message using the keypad.

For faster ways to write a message, see “Write with predictive text” on page 35.

6 When you are ready to send the message, press **Options**, scroll to **Send**, and press **Select**.

7 When you receive a reply, the message from the other person is shown above your original message.

8 To reply to the message, press **OK** and repeat the steps 5 and 6.

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

To view the latest messages of the current chat session, press **Options** and select **Chat history**. The message that you have sent is indicated by < and your nickname. The messages from your chat partner are indicated by > and that sender’s nickname.

Press **Back** to return to the message you are writing. To edit your nickname, press **Options**, scroll to **Chat name** and press **Select**.

• VOICE MESSAGES

If you subscribe to voicemail, your wireless provider will furnish you with a voice mailbox number. You need to save this number to your phone to use voicemail. When you receive a voice message, your phone lets you know by beeping, displaying a message, or both. If you receive more than one message, your phone shows the number of messages received.

Save your voice mailbox number

Your wireless provider may have already saved your voice mailbox number to your phone. If so, the number will appear in the display in step 2. Press **OK** to leave the number unchanged.

1 At the start screen, press **Menu 0-1-4-2** (**Messages** > **Voice messages** > **Voice mailbox number**).

After a brief pause, the **Voice mailbox number** screen appears in the display.

2 If the box is empty, enter the voice mailbox area code and number.

3 Press **OK**. Your phone confirms the number has been saved.

Tip: Save yourself the trouble of entering the mailbox codes each time you dial voicemail. See "Automate voicemail" later in this section for more information.

Call and set up your voicemail

1 Once you have saved the voice mailbox number, press and hold the 1 key.

2 When you connect to voicemail and the prerecorded greeting begins, follow the service's automated instructions to set up your voicemail.

Listen to your voice messages

Once you have set up voicemail, you can dial the number in one of four ways:

- Dial the number using the keypad.
- Press and hold the 1 key.
- Press **Listen** if there is a notification message in the display.
- Press **Menu 0-1-4-1** (**Messages** > **Voice messages** > **Listen to voice messages**). After a brief pause, your phone dials the voicemail number.

Once you connect and the prerecorded greeting begins, follow the automated instructions to listen to your voice messages.

• AUTOMATE VOICEMAIL

You can insert special characters called dialing codes into phone numbers such as voicemail and then save the number to a 1-touch dialing location. Dialing codes instruct the receiving system to pause, wait, bypass, or accept the numbers that follow them in the dialing string.

Note: Each voicemail service can vary. The examples and steps that follow are for clarification. Check with your wireless provider if you have specific questions about your voicemail service.

Write down some information

1 Write down your voice mailbox number.

2 Call and check your voicemail as you normally would.

3 Write down your interaction with the recorded prompts step-by-step. Keep in mind that each voicemail service may vary. However, it should look something like this:

Dial 2145551212, pause 5 seconds, press 1, pause 2 seconds, press 1234, press pound key.

Important: Be precise. You will need this information in "Set up voicemail with dialing codes" on page 68 later in this section.

INSERT DIALING CODES

Press the star key repeatedly to cycle through dialing codes. Once the desired code appears in the display, pause briefly and the code is inserted into the dialing string.

For example, press the star key four times to display the "w" (wait character). Pause briefly and the wait character is inserted into the dialing string. Available dialing codes are as follows:

***** Bypasses a set of instructions.

+ Precedes an international telephone number.

p Pauses for 2.5 seconds before sending any numbers that follow.

w Wait. Your phone waits for you to press the talk key before it sends any numbers or codes that follow.

Set up voicemail with dialing codes

1. At the start screen, press **Names**, scroll to **1-touch dialing**, and press **Select**.
2. Scroll to an empty 1-touch dialing slot and press **Assign**.
3. Enter your voice mailbox number, including the area code.
4. Enter the necessary codes using the information that you wrote down earlier.

   For example, if you pause for 5 seconds after connecting to voicemail, enter **p** twice *after* the voice mailbox number, such as 2145551212**pp**.
5. Enter any remaining pauses, PIN codes, and other information that allows you to listen to your messages, then press **OK**.

6 Enter a name (such as Voicemail) and press **OK**. A message appears in the display confirming your 1-touch dialing location has been saved.

Now, to dial and listen to your voicemail, just press and hold the assigned 1-touch dialing key at the start screen. No other keypresses should be necessary to connect and listen to your messages.

• MESSAGE OPTIONS

Some or all of the options in the following table are available for text messages, picture messages, multimedia messages, and e-mail.

1 While viewing a text, picture, multimedia message, or e-mail press **Options**.

2 Scroll to highlight an option. Press **Select** to activate the option or enter its submenu.

Option	Function
Delete	Delete the message you are viewing.
Reply	Reply to the message; you have the option to include the original text in the reply, a template, or empty screen.
Chat	Start a chat session.
Use detail	Extract numbers, e-mail addresses and website addresses from the current message.
Forward	Forward the message to another recipient.
Edit	Edit the message.
Move	Move the message to a folder you specify.
Rename	Rename the message before it is saved to a folder.
Copy to Calendar	Copy text from the beginning of the message to your phone calendar as a reminder note for the current day.
Message details	View the sender's name and phone number, the message center used, reception date and time.

• ORGANIZE MESSAGES WITH FOLDERS

Save messages to folders

You can save messages to an existing folder or to a folder that you have created.

1. Press **Menu 0-1-1-1** (**Messages** > **Text message** > **Create message**). After a brief pause, the message entry screen appears in the display.
2. Write your message and press **Options**.
3. Scroll to **Save message** and press **Select**.
4. Scroll to the **Archive**, **Templates**, or folders you have created of your own, and press **Select**. The message is saved.

View saved messages

1. At the start screen, press **Menu 0-1-1** (**Messages** > **Text messages**).
2. After a brief pause, scroll to the folder containing the message you wish to view and press **Select**.
3. Once the folder opens, scroll to the message you wish to view and press **Select**.

Inbox folder

Messages are automatically stored in the inbox after they have been read or if you press **Exit** when **Message received** appears on the start screen.

Archive folder

Store messages that have been read in the **Archive** folder.

Templates folder

Pictures and prewritten templates are stored in the **Templates** folder. Preloaded templates can be edited/customized.

My folders

Keep your messages organized by creating custom folders and saving some of your messages there.

ADD A FOLDER OF YOUR OWN

1 At the start screen, press **Menu 0-1-1-7** (**Messages** > **Text messages** > **My folders**). After a brief pause, the folder opens.

2 Press **Options**. Scroll to **Add folder** and press **Select**.

3 Enter a name for the new folder and press **OK**. The folder is added.

REMOVE A FOLDER

Only folders created in **My folders** can be deleted. The **Inbox**, **Outbox**, **Archive**, and **Template** folders are protected. When you delete a folder, all messages in the folder are also deleted.

1 At the start screen, press **Menu 0-1-1-7** (**Messages** > **Text messages** > **My folders**). After a brief pause, the folder opens.

2 Any folders that you have created appear in the display. Scroll to the folder you wish to remove and press **Options**.

3 Scroll to **Delete folder** and press **Select**. You are asked to confirm the deletion.

4 Press **OK** to delete or **Back** to exit.

Move a message to a folder

1 While viewing the message, press **Options**.

2 Scroll to **Move** and press **Select**.

3 Scroll to the destination folder and press **Select**.

• DELETE MESSAGES

If your message memory is full and you have more messages waiting at the network, ✉ blinks on the start screen. You can do the following to create more space:

- Read some of the unread messages and then delete them.
- Delete messages from some of your folders.

Delete a single message

To delete a single message, you need to open it first.

1 Press **Menu 0-1-1** (**Messages** > **Text messages**). After a brief pause, a list of options appears in the display.

2 Scroll to the folder containing the message you wish to delete and press **Select**. A list of messages, if you have any, appears in the display.

3 Scroll to the message you wish to delete and press **Select**.

The message opens.

4 Press **Options**, scroll to **Delete**, and press **Select**.

You are asked to confirm the erasure.

5 Press **OK** to delete the message or **Back** to exit.

Delete all messages in a folder

1 At the start screen, press **Menu 0-1-1-8** (**Messages** > **Text messages** > **Delete messages**). After a brief pause, a list of your folders appears in the display.

2 Scroll to the folder containing the messages you wish to delete and press **Select**. You are asked to confirm your erasure.

Important: If you select **All messages**, it deletes any messages which have been read in *all* of the folders.

3 Press **OK** to empty the folder.

Change text, e-mail and picture message settings

1 At the start screen, press **Menu 01-6-1-1** (**Messages** > **Message Settings** > **Text messages** > **Sending profile**).

2 If more than one message profile set is supported by your SIM card, scroll to the set you wish to change and press **Select**.

Message Setting	Function
Message center number	Save the phone number of the message center, which is necessary for sending text messages; obtain this number is from your wireless provider.

Message Setting	Function
Default recipient number	For text messages, the default number used to send messages.
Use GPRS	Set GPRS as the preferred method of sending text messages.
Reply via same center	Allow the recipient of your message to send you a reply message via your message center (network service).
Messages sent as	Select the message type **Text**, **E-mail**, **Page**, or **Fax**.
Message validity	Define how long the network attempts to send your messages before it gives up.
E-mail server number	For e-mail messages, the default number used to send e-mail.
Delivery reports	Request the network to send delivery reports on your messages.
Rename sending profile	Change the name of the selected sending profile; the sending profile sets display only if your SIM card supports more than one set.

OVERWRITE SETTINGS FOR TEXT, E-MAIL, AND PICTURE MESSAGES

When the message memory is full, your phone can not send or receive any new messages. However, you can set your phone to automatically replace old messages in the **Inbox** and **Outbox** folders when new ones arrive.

1. Press **Menu**, **0-1-6-1** (**Messages** > **Message settings** > **Text messages**). After a brief pause, a list of options appears in the display.
2. Scroll to **Overwriting in sent items** or **Overwriting in inbox** and press **Select**.
3. Scroll to **Allowed** and press **Select** to replace the old messages with new ones in the **Sent items** or **Inbox** folder, respectively.

Use the info message service

With the info message network service, you can receive short text messages on various topics, such as weather and traffic conditions, from your wireless provider.

1 At the start screen, press **Menu 0-1-5** (**Messages** > **Info messages**). After a brief pause, the list of options in the following table appears in the display.

2 Scroll to an option and press **Select** to activate the option or to enter its submenu.

Message setting	Function
Info service	Select **On** or **Off** to activate or deactivate the service
Topics	Options for selecting, adding, editing, and deleting info topics
Language	Select the language in which info messages are received. The language you select does not affect the language you select under the **Phone settings menu**
Info topics saved on SIM card	Select one or more info topics to save to your SIM card

Note: For more information on topics, contact your wireless provider.

Use service commands

Use the **Service commands** editor to enter and send service requests (also known as USSD commands) to your wireless provider. Contact your wireless provider for information about specific service commands.

1 At the start screen, press **Menu 0-1-7** (**Messages** > **Service commands**).

2 Enter a service request, such as an activation command for a specific network service, and press **Send**.

Call log (Menu 2)

Menu
2
Call Log
Select
Exit

Call log stores information about the last 10 missed, 10 received, or 20 dialed calls. When the number of calls exceed the maximum, the most recent call replaces the oldest. For Call log to work properly:

- Your wireless provider must support caller ID, and it must be enabled
- Your calls cannot be blocked
- Your phone must be on and within the service area

• CALL LOG OPTIONS

Whether you are viewing missed, received, or dialed calls, each of the menu options will be the same:

Call time–Display the date and time of the call.

Send message–Send a message to the number.

View number–Display the number.

Edit number–Edit the number and associate a name with the number.

Save–Enter a name for the number and save it to your phone book.

Add to name–Add the number to an existing entry in your phone book, if the number is not associated with a name.

Delete–Clear the number from memory.

Call–Call the number.

• VIEW MISSED CALLS

Missed calls are calls that were never answered while the phone was on in its home service area. You can check for missed calls in two ways:

Note: The missed calls feature does not function while your phone is off or outside of the service area.

1 If **# missed call** appears in the display, press **List**. The phone number appears in the display.

2 Press **Options** to display the call log options listed on page 75.

3 Scroll to an option, press **Select** to activate the option or to enter its submenu.

OR

1 At the start screen, press **Menu 2-1** (**Call log > Missed calls**).

After a brief pause, a list of missed calls appears in the display (if any exist).

2 Scroll to a name or number and press **Options** to display the options listed on page 75.

3 Scroll to an option, press **Select** to activate the option or to enter its submenu.

• VIEW RECEIVED CALLS

Received calls are calls that have been answered.

1 At the start screen, press **Menu 2-2** (**Call log > Received calls**).

After a brief pause, a list of received calls appears in the display (if any exist).

2 Scroll to a name or number and press **Options** to display the options listed on page 75.

3 Scroll to an option, press **Select** to activate the option or enter its submenu.

• VIEW DIALED NUMBERS

You can view dialed numbers in one of two ways:

1 At the start screen, press the talk key. Your most recently dialed numbers appear in the display.

OR

At the start screen, press **Menu 2-3** (**Call log > Dialed numbers**).

After a brief pause, your most recently dialed numbers appear in the display.

2 Scroll to a name or number and press **Options** to display the options listed on page 75.

3 Scroll to an option, press **Select** to activate the option or enter its submenu.

Call times

You can receive up to five calls from the same number and view the time each call occurred. Your clock must be set for this feature to work accurately. See “Set the clock” on page 26 for instructions on setting your clock.

1 While viewing a missed or received call, or while viewing your list of dialed numbers, press **Options**, scroll to **Call time**, and press **Select**.

The time that the last call occurred appears in the display.

2 Press the down scroll key to view other call times from this number.

3 Press **Back** to return to the options list.

• CLEAR CALL LISTS

To clear any missed, dialed, or received calls from phone memory:

1 At the start screen, press **Menu 2-4** (**Call log > Delete recent call lists**).

After a brief pause, **All**, **Missed**, **Received** and **Dialed** appear in the display.

2 Scroll to the call type you would like to clear and press **Select**.

• VIEW CALL DURATION

Duration of last call. At the start screen, press **Menu 2-5-1** (**Call log** > **Call timers** > **Duration of last call**). The duration of your last call appears in the display.

Duration of received calls. At the start screen, press **Menu 2-5-2** (**Call log** > **Call timers** > **Duration of received calls**). The duration of all received calls appears in the display.

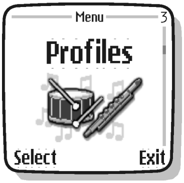
Note: The actual time invoiced for calls by your service provider may vary, depending on network features, rounding off for billing, and so forth.

Duration of dialed calls. At the start screen, press **Menu 2-5-3** (**Call log** > **Call timers** > **Duration of dialed calls**). The duration of all dialed calls appears in the display.

Duration of all calls. At the start screen, press **Menu 2-5-4** (**Call log** > **Call timers** > **Duration of all calls**). The duration of all calls (missed, dialed, and received) appears in the display.

Note: Some timers, including the life timer, may be reset during service or software upgrades.

Profiles (Menu 3)



Profiles define how your phone reacts when you receive a call or a message, how your keypad sounds when you press a key, and more. Ringing options, keypad tones, and other settings for each of the five available profiles can be left at their default setting, or customized to suit your needs. Select and customize the most suitable profile for your situation, such as when you are in a meeting or outdoors. **Normal**, **Silent**, **Meeting**, **Outdoor**, and **Pager** are available profiles.

Note: Profiles are also available for accessories such as a headset and car kit. See “Accessory settings” on page 92 for more information about accessory profiles.

• SELECT A PROFILE

1. At the start screen, press **Menu 3** (**Profiles**).

   After a brief pause, the list of profiles appears in the display.

2. Scroll through the available profiles and press **Select** once the profile of your choice is highlighted.
3. Scroll to **Select** and press **Select**.

• CUSTOMIZE A PROFILE

You can customize any of the profiles a variety of ways.

1 At the start screen, press **Menu 3** (**Profiles**).

  After a brief pause, the list of profiles appears in the display.

2 Scroll to the profile you wish to customize and press **Select**.

3 Scroll to **Customize** and press **Select**.

4 Use the scroll keys to display each of the options in the following table. Once you arrive at the option you want to customize, press **Select**.

Note: You cannot rename the **Normal** profile.

Ringing options–Select the ringing tone style.

Ringing tone–Select the ringing tone for incoming calls.

Ringing volume–Set the volume of your ringing tone.

Vibrating alert–Turn the vibrating alert on or off.

Light alert–Set the phone to flash the flashlight during an incoming call. If you switched the flashlight on before receiving the call, the flashlight will not flash.

Message alert tone–Select the tone for received messages.

Keypad tones–Set the volume of your keypad tones (or turn them off).

Warning tones–Turn warning and confirmation tones on or off.

Alert for–Define which caller groups the selected profile will accept or decline. See “Caller groups” on page 50 for more information.

Profile name–Rename the profile (up to 16 characters).

• SET A TIMED PROFILE

Timed profiles can be used to prevent missed calls. For example, suppose you attend an event that requires your phone be set to **Silent** before the event starts, but you forget to return it to **Normal** until long after the event. During this time, you have missed several calls because the ringing tone was silent. A timed profile can prevent this by automatically returning your phone to the default profile at a time you specify.

Note: Timed profiles can be set up to 24 hours in advance.

1. At the start screen, press **Menu 3** (**Profiles**).

   After a brief pause, the list of profiles appears in the display.

2. Scroll to the profile you wish to activate and set for timed expiration, then press **Select**.
3. Scroll to **Timed** and press **Select**.
4. Enter the time for the profile to expire and press **OK**.

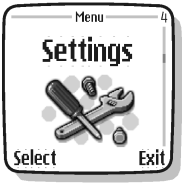
   The profile you have set for expiration is now active and appears in the start screen along with a small clock icon.

Settings (Menu 4)

Set the clock

1. At the start screen, press **Menu 4-1-1** (**Settings** > **Time and date settings** > **Clock**).

   After a brief pause, **Show clock** (or **Hide clock**) **Set the time**, and **Time format** appear in the display with **Show clock** (or **Hide clock**) highlighted.



2. Scroll to **Set the time** and press **Select**.
3. Enter the time (in *hh:mm* format) and press **OK**.
4. Scroll to **am** or **pm** and press **Select**. The time is set.

Show/hide the clock

You have the option of displaying (or not displaying) the clock on the start screen.

1. At the start screen, press **Menu 4-1-1** (**Settings** > **Time and date settings** > **Clock**).

   After a brief pause, **Show clock** (or **Hide clock**) **Set the time**, and **Time format** appear in the display with **Show clock** (or **Hide clock**) highlighted.

2 Press **Select**.

- If your clock was previously hidden (not shown on the display), it will now appear in the upper right corner of the start screen.
- If your clock was previously shown in the display, it will now be hidden from view.

Change the time format

You can set the time format for am/pm or 24 hour format (military time).

1 At the start screen, press **Menu 4-1-1** (**Settings** > **Time and date settings** > **Clock**).

After a brief pause, **Show clock** (or **Hide clock**) **Set the time**, and **Time format** appear in the display with **Show clock** (or **Hide clock**) highlighted.

2 Scroll to **Time format** and press **Select**.

3 Scroll to **24-hour** or **am/pm** and press **Select**. A message appears in the display confirming your selection.

Set the date

1 At the start screen, press **Menu 4-1-2** (**Settings** > **Time and date settings** > **Date**). After a brief pause, a list of options appears in the display.

2 Scroll to **Set the date** and press **Select**.

3 Enter the date and press **OK**. The date is set.

Set or change the date format

1 At the start screen, press **Menu 4-1-2** (**Settings** > **Time and date settings** > **Date**).

2 Scroll to **Date format** and press **Select**.

3 Scroll to the format of your choice and press **Select**.

4 Scroll to the **Date separator** of your choice (period, slash, or hyphen) and press **Select**. A message appears in the display confirming your selection.

• CALL SETTINGS

Automatic volume control

Automatic volume control automatically adjusts the phone earpiece volume according to the noise level in your environment. If the environmental noise level or level of received speech changes, automatic volume control adjusts the earpiece volume level accordingly.

Note: Setting automatic volume control during an active call affects only the current call. Automatic volume control is available only in handportable mode.

ACTIVATE AUTOMATIC VOLUME CONTROL VIA THE MENU

1. At the start screen press **Menu 4-2-1** (**Settings** > **Call settings** > **Automatic volume control**).
2. Scroll to **Off** or **On** and press **Select**. The default setting is **Off**.

ACTIVATE AUTOMATIC VOLUME CONTROL DURING A CALL

1. During a call, press **Options**.
2. Scroll to **Auto volume on** and press **Select**.

- To deactivate, scroll to **Auto volume off** and press **Select**.

If you increase the volume during an active call by pressing the volume key, the phone volume level increases regardless of whether or not automatic volume control is activated.

When you end the call, the volume returns to the level set before automatic volume control was activated.

Call forwarding

Call forwarding tells your network to redirect incoming calls to another number.

Note: Call forwarding is a Network Service and may not be available in all networks. Contact your wireless provider for availability.

ACTIVATE CALL FORWARDING

Note: This is a Network Service. All options listed below may not be available. Contact your wireless provider for more information.

1. At the start screen, press **Menu 4-2-2** (**Settings** > **Call settings** > **Call forwarding**).

   After a brief pause, the following options appear:

   Forward all voice calls–Forward all calls to the number you specify.

   Forward if busy–Forward incoming calls when you are in a call.

   Forward if not answered–Forward incoming calls to another number if you are unable to answer. You can also set a delay before forwarding takes place.

   Forward if out of reach–Forward incoming calls when your phone is off.

   Forward when not able to take calls–Forward calls that are not picked up. You can also set a delay before forwarding takes place.

   Forward all fax calls–Forward all fax calls to a fax mailbox.

   Forward all data calls–Forward all data calls to a data mailbox.

   Cancel all call forwarding–Cancel any call forwarding options you may have set.

2. Scroll to the option of your choice and press **Select**.
3. Scroll to **Activate** and press **Select**.
4. Scroll to the destination to which your calls will be forwarded (such as **To other number**) and press **Select**.
5. Enter the number to which your calls, data, or other information will be forwarded and press **OK**.

Your phone calls the network to activate the feature you have requested. The network sends a confirmation note when the feature has been activated successfully.

CANCEL CALL FORWARDING

- At the start screen, press **Menu 4-2-2-8** (**Settings** > **Call settings** > **Call forwarding** > **Cancel all call forwarding**).

Note: Cancelling all call forwarding may affect your ability to receive voice mail messages. Contact your wireless provider for specific details.

Anykey answer

Anykey answer allows you to answer an incoming call by briefly pressing any key except the power key, the left selection key, the right selection key, and the end key.

1. At the start screen, press **Menu 4-2-3** (**Settings** > **Call settings** > **Anykey answer**). After a brief pause, **On** and **Off** appear in the display.
2. Scroll to your choice and press **Select**.

Automatic redial

Occasionally, your network may experience heavy traffic, resulting in a fast busy signal when you dial. With automatic redial activated, your phone redials the number up to 10 times, and notifies you once the network becomes available.

ACTIVATE OR DEACTIVATE AUTOMATIC REDIAL

1. At the start screen, press **Menu 4-2-4** (**Settings** > **Call settings** > **Automatic redial**). After a brief pause, **On** and **Off** appear in the display.
2. Scroll to your choice and press **Select**.

1-touch dialing

You can assign any entry in your phone book to keys 2–9, and then dial those entries by pressing and holding the assigned key.

ASSIGN A KEY TO 1-TOUCH DIALING

1. At the start screen, press **Names,** scroll to **1-touch dialing**, and press **Select**.
2. Scroll to any empty slot and press **Assign**.

3. Enter the number (including the area code) and press **OK**, or press **Find** to retrieve a number from your phone book.
4. Enter a name for the number and press **OK**.

MAKE A CALL WITH 1-TOUCH DIALING

1. From the start screen, press **Menu 4-2-5** (**Settings** > **Call settings** > **1-touch dialing**).
2. Scroll to **On** and press **Select**.

- Press and hold the key to which an entry has been assigned.

  OR

- Press the key to which an entry has been assigned and then press the talk key.

Call waiting

If supported by your wireless provider, call waiting notifies you of an incoming call even while you are in a call. You can then accept, reject, or ignore the incoming call.

ACTIVATE CALL WAITING

1. At the start screen, press **Menu 4-2-6** (**Settings** > **Call settings** > **Call waiting**).
2. Scroll to **Activate** and press **Select**.

USE CALL WAITING

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

Activate/deactivate summary after call

Your phone can display the time spent on a call when you hang up.

TURN ON SUMMARY AFTER CALL

1. At the start screen, press **Menu 4-2-7** (**Settings** > **Call settings** > **Summary after call**).

After a brief pause, **On** and **Off** appear in the display.

2 Scroll to **On** and press **Select**.

TURN OFF SUMMARY AFTER CALL

1 At the start screen, press **Menu 4-2-7** (**Settings** > **Call settings** > **Summary after call**).

After a brief pause, **On** and **Off** appear in the display.

2 Scroll to **Off** and press **Select**.

Send my caller identity with next call

You can prevent your number from being displayed on the receiving party's caller ID. This feature is network-dependent and works on a call-by-call basis. Contact your wireless provider for more information.

1 At the start screen, press **Menu 4-2-8** (**Settings** > **Call settings** > **Send my caller identity**). After a brief pause, **Default**, **Yes**, and **No** appear in the display.

2 Scroll to the selection of your choice and press **Select**. A message appears in the display confirming your selection.

Select a line for outgoing calls

Note: This is a network-dependent feature. Check with your wireless provider for availability and a description of the feature.

1 At the start screen, press **Menu 4-2-9** (**Settings** > **Call settings** > **Line for outgoing calls**). After a brief pause, **Line 1** and **Line 2** appear in the display.

Important: If you select **Line 2** and have not subscribed to this network service, you will not be able to place calls. However, calls on both lines can be answered regardless of the selected line.

2 Scroll to **Line 1** or **Line 2** and press **Select**. A message appears in the display confirming your selection.

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

• PHONE SETTINGS

Set the display language

1 At the start screen, press **Menu 4-3-1** (**Settings** > **Phone settings** > **Language**).

After a brief pause, **Automatic**, **English**, **Português**, **Español**, and **Français** appear in the display.

2 Scroll to the language of your choice and press **Select**.

Note: The language setting affects the time and date formats of the clock, alarm clock, and calendar.

Activate or deactivate Automatic keyguard

Important: When keyguard is on, it may be possible to dial emergency numbers (for example, 911 or other official emergency numbers). Key in the emergency number and press the talk key. The number is displayed only after you have keyed in its last digit.

You can set the keypad of your phone to lock automatically after a preset time delay (from 10 seconds to 60 minutes). When the preset delay expires, the keypad locks automatically.

1 At the start screen, press **Menu 4-3-2** (**Settings** > **Phone settings** > **Automatic keyguard**). After a brief pause, **On** and **Off** appear in the display.

2 Scroll to **On** or **Off** to deactivate and press **Select**.

3 If you selected **On**, **Set delay** appears in the display.

4 Enter the delay (in minutes and seconds) and press **OK**.

Cell info display

Note: Cell info display is network-dependent and may not work the same in all networks. Contact your wireless provider for availability.

When this function is selected, your phone will indicate when it is used in a system cell based on microcellular network technology. MCN technology increases the capacity of wireless networks in urban areas. The setting will remain in effect even if the SIM card is changed or the phone is switched off.

1 Press **Menu 4-3-3** (**Settings** > **Phone settings** > **Cell info display**). After a brief pause, **On** and **Off** appear in the display.

2 Scroll to **On** or **Off** and press **Select**. A message appears in the display confirming your selection.

Note: If the **GPRS connection** is set to **Always online**, info messages may not be received. In that case, set the **GPRS connection** to **When needed**, see "GPRS" on page 120 for more information.

Welcome note

You can write a welcome note which shows up briefly on your display whenever you power up your phone.

Note: Predictive text input is unavailable for entering Welcome note text.

1 At the start screen, press **Menu 4-3-4** (**Settings** > **Phone settings** > **Welcome note**).

After a brief pause, the message edit screen appears in the display awaiting text input.

2 Enter a note (up to 44 characters).

Press the star key to display and select from available special characters. For more information on special characters, "Punctuation and special characters" on page 34.

3 When you are finished, press **Options**, scroll to **Save**, and press **Select**.

4 Scroll to **Delete** and press **Select** if you want to delete the previous text and begin writing another note.

System selection

You may be able to manually search for another network which has a roaming agreement with your home wireless provider.

1 At the start screen, press **Menu 4-3-5** (**Settings** > **Phone settings** > **System selection**). After a brief pause, **Automatic** and **Manual** appear in the display.

2 Scroll to **Automatic** or **Manual** and press **Select**.

Automatic–Your phone defaults to those settings which have been preset by your wireless provider.

Manual–Your phone searches for a network which has a roaming agreement with your wireless provider.

Note: If **No system access** appears in the display, you will need to switch to **Automatic mode**, or insert another SIM card into the phone.

Confirm SIM service actions

This option allows you to request notification when your service provider makes changes to SIM-related services (such as activating GPRS service).

1 Press **Menu 4-3-6** (**Settings** > **Phone settings** > **Confirm SIM service actions**). After a brief pause, **Yes** and **No** appear in the display.

2 Scroll to the selection of your choice and press **Select**. A message appears in the display confirming your selection.

Help text

Your phone displays brief descriptions for most menu items. When you arrive at a feature or menu, pause for about 15 seconds. Use the scroll keys to page through the full help text, if necessary.

ACTIVATE/DEACTIVATE HELP TEXT

The default setting for help text is on. However, you can turn help text on or off by doing the following from the start screen.

1 Press **Menu 4-3-7** (**Settings** > **Phone settings** > **Help text activation**). After a brief pause, **On** and **Off** appear in the display.

2 Scroll to your choice and press **Select**. A message appears in the display confirming your selection.

Start-up tone

You can set your phone to play (or not to play) a start-up tone when the phone is switched on.

1 At the start screen, press **Menu 4-3-8** (**Settings** > **Phone settings** > **Start-up tone**). After a brief pause, **On** and **Off** appear in the display.

2 Scroll to your choice and press **Select**. A message appears in the display confirming your selection.

• DISPLAY SETTINGS

Wallpaper

You can set your phone to display a background picture (wallpaper) on the start screen. Some pictures are pre-saved in the **Gallery** menu. You can also receive pictures using multimedia message, download them from mobile Internet pages or transfer them with PC Suite from your PC and then save them in the **Gallery**. Your phone supports JPEG, GIF, BMP, PNG, and WBMP formats.

SELECT WALLPAPER

1. Press **Menu 4-4-1** (**Settings** > **Display settings** > **Wallpaper**). After a brief pause, **On**, **Off**, and **Change image** appear in the display.
2. Scroll to **Change image** and press **Select**.
3. Scroll to **Graphics** and press **Open**.
4. Use the up and down scroll keys to browse the image gallery. When you arrive at the image of your choice, press **Options**, scroll to **Set as wallpaper**, and press **Select**.
5. If **Replace current wallpaper?** appears in the display, press **OK**.

   A message appears in the display confirming your selection.

ACTIVATE/DEACTIVATE WALLPAPER

1. Press **Menu 4-4-1** (**Settings** > **Display settings** > **Wallpaper**). After a brief pause, **On**, **Off**, and **Change image** appear in the display.
2. Scroll to **On** or **Off** and press **Select**.

Colour schemes

You can change the colour of some display components in your phone, such as indicators and signal bars.

1. At the start screen, press **Menu 4-4-2** (**Settings** > **Display settings** > **Color Schemes**). After a brief pause, a list of colour schemes appear in the display.
2. Scroll to the color scheme of your choice and press **Select**. A message appears in the display confirming your selection.

Screen saver

The screen saver is activated when no function of the phone is used after a preset period of time. Press any key to deactivate the screen saver. The screen saver is also deactivated when the phone is out of the network coverage area.

1. At the start screen, press **Menu 4-4-4** (**Settings** > **Display settings** > **Screen saver timeout**). After a brief pause, **2 minutes**, **5 minutes**, and **Other** appear in the display.
2. Scroll to **2 minutes** or **5 minutes** and press **Select**.
3. If you want to set a custom time (up to 60 minutes), scroll to **Other** and press **Select**. Enter the custom time and press **OK**. A message appears in the display confirming your selection.

SCREEN SAVER TIMEOUT

You can set the phone to display a screen saver after a preset time or after a custom time (up to 60 minutes) of your choosing.

Display brightness

You can change the brightness of your phone's display.

1. Press **Menu 4-4-5** (**Settings** > **Display settings** > **Display brightness**). After a brief pause, a bar chart appears in the display indicating the current brightness level.
2. Use the left and right scroll keys or the side volume keys to adjust the contrast level to your preference.
3. Press **OK** to accept your settings.

• TONE SETTINGS

You can adjust the ringing volume, keypad tones, and more for the currently active profile. The same options are described in detail under "Customize a profile" on page 79.

• ACCESSORY SETTINGS

The **Accessory settings** menu is shown only if the phone is or has been connected to one of the compatible accessories such as the headset, car kit, or mobile inductive loopset.

1. At the start screen, press **Menu 4-6** (**Settings** > **Accessory settings**). The following options may be available:
2. Scroll to **Headset**, **Handsfree**, **Loopset** or **TTY/TDD** and press **Select**.

If you selected Headset

The following options are available. Scroll to the option of your choice and press **Select** to enter the submenu and modify its settings.

Default profile–Choose the profile you wish to be automatically activated when a headset is connected

Automatic answer–Calls are answered automatically after 1 ring when a headset is connected. Scroll to **On** or **Off** and press **Select**

If you selected Handsfree

The following options are available. Scroll to the option of your choice and press **Select** to enter the option's submenu and modify its settings.

Default profile–Choose the profile you wish to be automatically activated when your phone is connected to a car kit.

Automatic answer–Calls are answered automatically after 1 ring when a car kit is connected. Scroll to **On** or **Off** and press **Select**.

Lights–Choose to keep the phone lights always on, or to shut off automatically after several seconds. Scroll to **On** or **Automatic** and press **Select**.

Loopset

The following options are available. Scroll to the option of your choice and press **Select** to enter the option's submenu and modify its settings.

Default profile–Choose the profile you wish to be automatically activated when a loopset is connected.

Automatic answer–Calls are answered automatically after 1 ring when a loopset is connected. Scroll to **On** or **Off** and press **Select**.

TTY

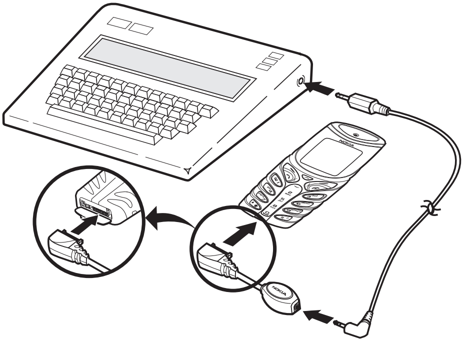
You will need the following for TTY/TDD communication:

- A TTY/TDD device that is “cellular ready” or “cellular compatible”.
- A cable for connecting the TTY/TDD to your phone, usually supplied by the manufacturer of the TTY/TDD device.
- The TTY/TDD adapter (HDA-10), which can be purchased as an enhancement. See “Accessories” on page 130. You can connect your phone to a TTY/TDD using the Nokia TTY/TDD Adapter (HDA-10).

SETTING UP THE TTY PROFILE

In order for your phone to recognize the TTY/TDD, you will need to set up the TTY/TDD profile.

Important: Some manufacturers of TTY/TDD devices suggest that the phone be at least 18 inches from the TTY/TDD device. When connecting to any other device, read its user guide or contact its manufacturer for detailed instructions and safety information.



1. Plug the HDA-10 adapter into the connector on the bottom of your phone.
2. Press **Menu 4-6-4-1** (**Settings** > **Accessory settings** > **TTY/TDD** > **Use TTY**).

3 Scroll to **Yes**, then press **Select**.

4 Connect the TTY/TDD by a cable to the HDA-10 adapter.

NOTES ABOUT TTY/TDD CALLS

- The Nokia TTY/TDD adapter (HDA-10) is for use with compatible TTY/TDD devices only. Check with the manufacturer of the TTY/TDD device to ensure that the connection is compatible.
- Check with the manufacturer of the TTY/TDD device for a connecting cable that is compatible with the Nokia TTY/TDD adapter (HDA-10).
- TTY/TDD communications depend on network availability. Check with your service provider for availability and description of services.

MAKE A TTY/TDD CALL

1 From the start screen, enter the number you wish to call and press the talk key.

2 When the receiving party answers, begin typing your conversation on the TTY/TDD.

3 Press the end key to end the call.

RECEIVE A TTY/TDD CALL

1 Make sure the TTY/TDD device is connected to your phone.

2 Press the talk key to answer the call, then type your response on the TTY/TDD.

3 Press the end key to end the call.

Security settings

For information on PIN code request, Call restrictions, Fixed dialing, and other security features, see “Manage phone security” on page 37.

Restore factory settings

You can reset some of the menu settings to their original values.

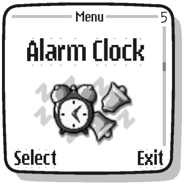
1 At the start screen, press **Menu 4-8** (**Settings** > **Restore factory settings**). After a brief pause, you are prompted to enter the security code.

2 Enter the security code (the default is 12345) and press **OK**.
A message appears in the display confirming your original settings have been restored.

Note: Any data that you have entered, such as names and numbers in your phone book will not be deleted.

Alarm clock (Menu 5)

The alarm clock is based on the internal clock of the phone. It sounds an alert any time you specify and even works if the phone is off.



• SET AN ALARM

IF AN ALARM HAS NOT BEEN SET

1. At the start screen, press **Menu 5** (**Alarm clock**). After a brief pause, you are prompted to enter a time for the alarm.
2. Enter the time for the alarm in *hh:mm* format and press **OK**.
3. Scroll to **am** or **pm** and press **Select**. **Alarm on** appears briefly in the display and 🔔 appears on the start screen.

IF AN ALARM HAS PREVIOUSLY BEEN SET

1. At the start screen, press **Menu 5** (**Alarm clock**). After a brief pause, **On** and **Off** appear in the display.
2. Scroll to **On** and press **Select**. You are prompted to set the alarm time.
3. Enter the time for the alarm in *hh:mm* format and press **OK**.
4. Scroll to **am** or **pm** and press **Select**. **Alarm on** appears briefly in the display and 🔔 appears on the start screen.

When the alarm sounds

Your phone beeps, vibrates, and the display lights up. **Stop** and **Snooze** appear in the bottom of the display.

WITH THE PHONE ON

Press **Stop** to shut the alarm off.

OR

Press **Snooze**. The alarm stops for 10 minutes and **Snoozing** appears in the display.

Note: If you do not press a key, the alarms stops (snoozes) for 10 minutes, and then sounds again.

WITH THE PHONE OFF

1 The alarm sounds. If you press **Stop**, **Switch the phone on?** appears in the display.

Note: The phone will only power up if you select **Yes** when **Switch the phone on?** appears in the display.

2 Press **Yes** to power up the phone; press **No** to keep it switched off.

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

• TURN OFF AN ALARM THAT HAS BEEN SET

1 At the start screen, press **Menu 5** (**Alarm clock**). After a brief pause, **On** and **Off** appear in the display.

2 Scroll to **Off** and press **Select**. **Alarm off** appears briefly in the display.

Radio (Menu 6)

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.

Menu
6
Radio
Select
Exit

To listen to the FM radio on your phone connect the HDS-3 stereo headset or HDB-4 boom headset to the connector on the bottom of the phone. The leads of the headset function as the antenna, so let it hang freely.

The quality of the radio broadcast depends on the radio station's coverage in that particular area.

• TURN THE RADIO ON AND OFF

1. At the start screen, press **Menu 6** (**Radio**).
2. To quickly turn off the radio, press and hold the end key.

• USE THE RADIO

Note: When you place or receive a call, the radio automatically mutes. Once the call is ended, the radio automatically switches back on.

With the radio on, press **Options**. Press the up or down scroll key to scroll to an option. Press **Select** to activate the option or enter its submenu.

Option	Function
Turn off	Turn off the radio.
Save channel	Save the current station to one of 20 locations.
Automatic tuning	Briefly press either scroll key to start the channel search up or down. Press **OK** when a channel is found.
Manual tuning	Press the up or down scroll key to search in increments of 0.1 MHz.
Set frequency	Manually enter the frequency of a known radio station.
Delete channel	Delete a saved channel.
Loudspeaker	Listen to the radio through the speakerphone.
Mono output/ Stereo output	Listen to the radio in monaural mode. If already in manual mode, **Stereo output** appears in the display.

Tip: To quickly set the radio frequency, press the star key with the radio on.

Tip: To manually tune the radio, press the pound key with the radio on.

Note: When an application using a GPRS connection is sending or receiving data, it may interfere with the radio.

• SAVE A RADIO CHANNEL

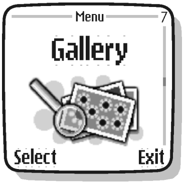
You can save a preset station to any one of 20 locations in memory, and then tune to that station by simply pressing the up or down scroll key with the radio on.

1. With the radio on, press and hold the up or down scroll key to start the channel search. Searching stops when a channel is found.
2. To save the channel, press **Options**, scroll to **Save channel**, and press **Select**.
3. Enter a name for the channel and press **OK**.
4. Scroll to an **(empty)** location to save the channel and press **Select**.

Tip: To quickly save an FM station to a memory location 1–9, press and hold the corresponding number key while the radio is playing. Then, enter the name of the channel and press **OK**.

Gallery (Menu 7)

You can save pictures and ringing tones to folders in the gallery, or create folders of your own and save them there. You can download images and tones using MMS, mobile Internet browser, or Nokia PC Suite.



Note: This feature uses shared memory. See “Shared memory” on page 14 for more information.

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.

• OPEN THE GALLERY

At the start screen, press **Menu 7** (**Gallery**). After a brief pause, the following submenus appear in the display.

Option	Function
View folders	Explore the folders in the gallery menu. See "View folders" in the following section for more info.
Add folder	Add a folder of your own.
Delete folder	Delete a folder you have created.
Rename folder	Rename a folder you have created.
[a]**Gallery downloads**	Use the image and tone downloads in your phone; see the following for more information.

[a] The phone tries to connect to the Internet using your mobile Internet browser and the currently active set of gallery downloads. If the connection fails, you may need to activate another set or change the current settings. See "Set up for browsing" on page 124 for more information.

• VIEW FOLDERS

1. At the start screen, press **Menu 7-1**(**Gallery** > **View folders**), and then press **Select**. A list of folders appears in the display.
2. Scroll to a folder, such as **Graphics** or **Tones** and press **Open**.
3. Scroll through the list of images or tones, press **Options**, then press **Select** to activate the option or to enter its submenu.

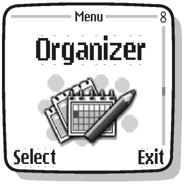
Option	Function
Open/Play	Open the selected file; in the Tones folder, this option is named **Play**.
Delete	Delete the selected file.

Option	Function
Move	Move the file to another folder.
Rename	Rename the selected file.
Set as wallpaper/Set as ring tone	Set the graphic as wallpaper. In the Tones folder, this option is **Set as ring tone**; the tone is applied to profile in use.
Details	View details of the file, such as the name, time and date the file was created.
Sort	Sort the files according to date, type, name, or size.

Organizer (Menu 8)

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 has many useful features for organizing your everyday life, including a calendar and a to-do list.



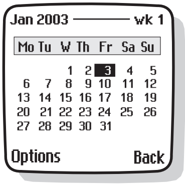
• CALENDAR

The calendar keeps track of reminders, calls you need to make, meetings, and birthdays. It can even sound an alarm for any of these events.

Note: This feature uses shared memory. See “Shared memory” on page 14 for more information.

OPEN THE CALENDAR

At the start screen, press **Menu 8-1** (**Organizer** > **Calendar**). After a brief pause, the **Monthly view** appears in the display with the current date highlighted by a black box.



Jan 2003 wk 1

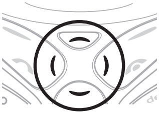
Mo	Tu	W	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Monthly view

Tip: To quickly open the calendar, press the right scroll key at the start screen.

FOUR-WAY SCROLLING

You can move the cursor in some calendar views using the left, up, down, and right scroll keys much the same as a joystick. To move the cursor:



Up, press the up scroll key

Left, press the left scroll key

Right, press the right scroll key

Down, press the down scroll key

• MONTHLY VIEW

Monthly view provides an overview of the selected month and weeks. It also allows you to jump to a specific date. Any days or dates that appear in bold font contain calendar notes such as a meeting or reminder.

• GO TO A DATE

1. Press **Menu 8-1** (**Organizer** > **Calendar**). After a brief pause, the monthly view appears in the display.
2. Press **Options**, scroll to **Go to date**, and press **Select**.
3. Enter the date (for example, 12/15/2002) and press **OK**. The monthly view appears in the display with the “jump date” highlighted.

Make a note for a specific date

You can choose from five types of notes: **Meeting**, **Call**, **Birthday**, **Memo**, and **Reminder**. Your phone asks for further information depending on which note you choose. You also have the option to set an alarm for any note that you select.

Note: This feature uses shared memory. See "Shared memory" on page 14 for more information.

1 Go to the date for which you want to set a reminder. See "Go to a date" on page 101 in the previous section if you need more information.

2 From the monthly view (with the go to date highlighted), press **Options**.

3 Scroll to **Make a note**, and press **Select**.

4 Scroll to one of the following note types and press **Select**

Meeting Call Birthday Memo Reminder

5 Enter your note, press **Options**, scroll to **Save**, then press **Select**.

- For a **Meeting** note, you are prompted to enter a subject, location, and then a start/end time. You are then given the option to set an alarm.
- For a **Call** note, you are prompted to enter a phone number, a name, and the time. You are then given the option to set an alarm.
- For a **Birthday** note, you are prompted to enter the person's name, and year of birth. You are then given the option to set an alarm.
- For a **Memo** note, you are prompted to enter a subject and then an end date. You are then given the option to set an alarm.
- For a **Reminder** note, you are prompted to enter the subject you wish to be reminded about, you are then given the option to set an alarm.

View calendar notes—the day view

After you have created calendar notes, you can view them as follows:

1 At the start screen, press **Menu 8-1** (**Organizer** > **Calendar**).

After a brief pause, the monthly view appears in the display with the current date highlighted. Any dates that contain calendar notes will be in bold font.

2 Use four-way scrolling to go to the date containing the note.

3 Press **Options**, scroll to **View day**, and press **Select**. Any notes you have for the day will appear in a list format.

4 To view the body of a highlighted note, press **Options**, scroll to **View** and press **Select**.

Options while viewing a list of notes

1 Press **Options** while viewing a day's notes to display calendar options.

2 Scroll to an option, and press **Select** to activate the option or to enter its submenu.

View–View the full note.

Make a note–Make another note for the selected date.

***Delete**–Delete the note.

***Edit**–Edit the note.

***Move**–Move the note to another date on your calendar.

***Repeat**–Enable the note to recur on a regular basis (daily, weekly, bi-weekly, monthly, and yearly).

Go to date–Jump to another date on your calendar.

***Send note**–Send the note to another device via Infrared or as a text message or in vCal format.

***Copy**–Copy the note. You can then "paste" the note to another date.

***Settings**–Set the date and time, date and time format, the day each week starts, and whether you want your notes to auto-delete after a specified time.

Go to to-do list–Takes you to the to-do list for today's date.

*Indicates an option that is available only while viewing the body of a note (not the header).

• SEND A CALENDAR NOTE TO ANOTHER DEVICE

Send a note using IR or text message

Note: If sending using IR, ensure the other device is set to receive data using IR. For more information on enabling the IR of the receiving device, refer to the user guide for the receiving device.

1 At the start screen, press **Menu 8-1** (**Organizer** > **Calendar**). After a brief pause, the monthly view appears in the display.

2 Jump, or scroll to the date containing the note you wish to send.

Tip: Any days containing notes will be in bold font.

3 Press **Options**, scroll to **View day**, and press **Select**.

4 Scroll to the note you wish to send and press **Options**.

5 Scroll to **Send note** and press **Select**.

6 Scroll to **Via Infrared**, **As note**, or **As text message**, and press **Select**.

7 If you selected **Via Infrared**, align the IR ports of both devices (3 inches to 3 feet apart with no obstructions between devices) and press **Select**. The note is sent.

8 If you selected **As note**, enter the number for the recipient or press **Find** to retrieve a number from your phone book, and press **OK**. The note is sent.

If you selected **As text message**, the note appears in the display.

9 Press **Options**, scroll to **Send**, and press **Select**.

10 Enter the number for the recipient (or press **Find** to retrieve a number from your phone book), and press **OK**. The note is sent.

RECEIVE CALENDAR NOTES FROM ANOTHER DEVICE

When you receive a Calendar note, your phone displays **Calendar note received**. You can then save the note in your Calendar and set an alarm for any date and time.

VIEW RECEIVED CALENDAR NOTES

1 When your phone displays **Calendar note received**, press **Show**.

2 The text of your note appears in the display. Use the scroll keys to view the entire message, if necessary.

SAVE RECEIVED CALENDAR NOTES

1 After viewing the calendar note, press **Options**.

2 Scroll to **Save** and press **Select**.

DISCARD VIEWED CALENDAR NOTES

1 After viewing the calendar note, press **Options**.

2 Scroll to **Discard** and press **Select**.

• MAKE A TO-DO LIST

Note: This feature uses shared memory. See "Shared memory" on page 14 for more information.

You can keep track of your tasks with the to-do list feature. You may be able to save up to 30 notes, depending on their length.

Note: To-do notes are not related to specific dates.

Add a to-do note

1 At the start screen, press **Menu 8-2** (**Organizer** > **To-do list**).

2 After a brief pause, press **Options**. If this is your first time to use the to-do list, **Add** is highlighted. You can also go to the Calendar.

3 Press **Select**, enter your to-do note and press **Options**.

4 Scroll to **Save** and press **Select**.

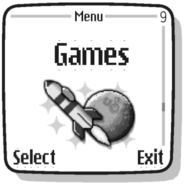
5 Scroll to **High**, **Medium**, or **Low** priority and press **Select**. The to-do note is saved.

Options while viewing notes

Press **Options** while viewing the header or body of a particular note and the following options appear in the display.

Header view	Option	Body view	Option
View	View the body of a note.	**Edit**	Edit the content of a note.
Add	Add another note.	**Deadline**	Set a deadline for the note.
Delete	Delete the note.	**Mark note as done**	Mark a note or task as complete; no more reminders will follow.
Sort by deadline	Sort the notes according to their deadline.	**Delete**	Delete the note.
Send	Send the note as a text message.	**Edit priority**	Change the priority to high, medium, or low.
Go to calendar	Leave the to-do list and go to the calendar.	**Send**	Send the note as a text message.
Save to calendar	Save the to-do note to a date on your calendar.	**Go to calendar**	Leave the to-do list and go to the calendar.
N/A	NA	**Save to calendar**	Save the to-do note to a date on your calendar.

Games (Menu 9)



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

1 At the start screen, press **Menu 9** (**Games**). After a brief pause, the list of game submenus in the following table appears in the display.

2 Scroll to a submenu, and press **Select** to enter the submenu and choose other settings.

Note: Some listed submenus are network dependent. Contact your wireless provider for more information.

Select game–Select a game or enter a game's option list. See "Game options" on page 108 for more info on game options.

Game downloads–Connect to game downloads on the Internet using your mobile Internet browser.

Memory–Check the available memory for games and game related applications.

Settings–Turn game sounds, lights, and shakes on or off.

• LAUNCH A GAME

1 Press **Menu 9-1** (**Games** > **Select game**). After a brief pause, a list of games appears in the display.

2 Scroll to a game and press the talk key.

If the selection is a single game it will launch. Otherwise, a list of games within the selected game set appears in the display.

3 To launch a single game, scroll to the desired game and press the talk key.

Tip: If a game uses the whole display area, selection key options such as **Options** or **Back** will not appear in the display. However, pressing the left or right selection key will return you to the game options menu.

Game options

While viewing the games list, press **Options** to display the following list. Scroll to an option and press **Select** to activate the option or enter its submenu.

Open–Play the game.

Delete–Delete the game.

Web access–Options for restricting network access.

Check version–Display the version of the highlighted game.

Service settings–Choose from a set of application or default settings.

Details–Display details of the game.

Applications (Menu 10)

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

Menu
10
Applications
Select
Exit

With the **Applications** menu you can manage the Java applications installed on your phone, or those that may be offered by your wireless provider.

• LAUNCH AN APPLICATION

1 At the start screen, press **Menu 1-0-1** (**Applications** > **Select application**). After a brief pause, one or more applications appear in the display.

2 Scroll to an application or an application set and press **Options**, or press the talk key.

3 Scroll to **Open** and press **Select**.

If the selection is a single application it will be launched. Otherwise, a list of applications in the selected application set is displayed.

4 To launch a single application within the set, scroll to the desired application and press **Options** or the talk key, then scroll to **Open** and press **Select**.

• APPLICATION OPTIONS

Option	Function
Open	Opens the selected application or application set.
Delete	Deletes the application or application set from your phone.
Web access	Provides options for restricting network access. **Ask first** (ask for net access) **Allowed** (allow net access) **Not allowed** (to not allow net access)
Check version	Checks if a new version of the application is available for download.
Service settings	Choose from a set of application or default settings.
Web page	Provides further information or data for the application from an Internet page; this feature is network dependent and only appears if an Internet address has been provided with the application.
Details	Shows additional information about the application.

• DOWNLOAD APPLICATIONS

You can download new Java applications in different ways.

Use Application downloads

1. At the start screen, press **Menu 1-0-2** (**Applications** > **App. downloads**). After a brief pause, the list of available mobile Internet bookmarks appears in the display.

   Note: This feature is network-dependent. Contact your wireless provider for more information.

2. Scroll to **More bookmarks** (if necessary) and press **Select** to access the list of mobile Internet bookmarks in your **Services** menu.
3. Scroll to the appropriate bookmark that contains the application you wish to download, and press **Select** to connect to the mobile Internet page. See "Navigate the mobile Internet" on page 125 for information on browsing mobile Internet pages.

Game downloads menu

- At the start screen, press **Menu 9-2** (**Games** > **Game downloads**). After a brief pause, your phone connects to the mobile Internet pages using the currently active set of mobile Internet settings.

Note: If the connection fails, you may enter the **Services** menu and activate another set of service settings. See "Use browser options" on page 124 for more info on browser settings.

Use PC Suite

Use the Java Application installer from PC Suite to download the applications in your phone.

Note: Only install software from sources that you trust.

Note: When you download a game or an application, it may be saved in the **Applications** menu instead of the **Games** menu.

Memory status for applications

You can view the size of memory available for game and application installations.

At the start screen, press **Menu 1-0-3** (**Applications** > **Memory**). After a brief pause, the amount of free memory appears in the display.

Extras (Menu 11)

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

Menu
11
Extras
Select
Exit

• THE CALCULATOR

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

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

1 Press **Menu 1-1-1** (**Extras** > **Calculator**). After a brief pause, the calculator screen appears in the display.

2 Enter the first number in the calculation. (Press the pound (#) key for a decimal point if necessary.)

3 Press the star (*) key to cycle through the add (+), subtract (-), multiply (*), and divide (/) characters. Pause briefly to select the currently displayed character.

Note: To perform a square or square root calculation, press **Options**, scroll to **Square** or **Square root**, and press **Select**.

4 Enter the second number in your calculation.

5 Press **Options**. **Equals** is highlighted.

6 Press **Select**. The sum of your calculation appears in the display.

• THE CURRENCY CONVERTER

You can convert foreign currency to domestic, or vice versa directly from the start screen.

1 At the start screen, enter a currency amount to convert.

2 Press **Options**, scroll to one of the following and press **Select**:

To home–Converts foreign currency to domestic currency.

To foreign–Converts domestic currency to foreign currency.

If you have not done so already, you are prompted to enter the exchange rate.

3 Enter the exchange rate and press **OK**. Press the pound key to insert a decimal. The converted amount appears in the display.

Edit the exchange rate

1 At the start screen, press **Menu 1-1-1** (**Extras** > **Calculator**). After a brief pause, the calculator screen appears in the display.

2 Press **Options** (**Exchange rate** is highlighted), then press **Select** and scroll to highlight or display one of the following options:

Foreign units in home units–Enter the number of home units it takes to make one unit of foreign currency

Home units in foreign units–Enter the number of foreign units it takes to make one unit of your home currency

3 Press **Select** to edit your choice.

4 Enter the exchange rate and press **OK**. The exchange rate is saved.

• THE COUNTDOWN TIMER

The countdown timer is a timer that you can set that notifies you with an alarm when the time is up. There are two different timers in your phone: the normal countdown timer and the interval timer. The interval timer can be used for counting cyclic time periods, something that can be useful when exercising.

Note: The countdown timer only works when the phone is on. Once you turn off your phone, the timer is no longer active.

Set the normal timer

1 At the start screen, press **Menu 1-1-2** (**Extras** > **Countdown timer**).

2 Select **Normal timer**.

3 Enter 2 digits for hours, 2 digits for minutes, then press **OK**.

4 If you wish, enter a note for the timer, then press **OK.** The timer begins running.

ACTIVATE THE TIMER IN STANDBY MODE

You can activate the countdown timer while your phone is in idle mode.

1 At the start screen, enter a number, then press **Options**.

2 Select **Timer** from the list, then set the time.

CHANGE THE TIME

After you have set the timer, you can change the time.

At the start screen, press **Menu 1-1-2** (**Extras** > **Countdown timer**). Press **Select**.

1 Scroll to **Change time** and press **Select**.

2 Enter the new time and press **OK**.

3 Leave the note as it was, or enter a new note and press **OK**. The timer begins running.

To stop the timer, scroll to **Stop timer** and press **Select**.

Set the interval timer

1 At the start screen, press **Menu 1-1-2** (**Extras** > **Countdown timer**).

2 Scroll to **Interval timer** and press **Select**.

3 If there are no timers that have already been saved, select **Add new timer**.

4 Enter a name for the timer. Press **Options**, scroll to **Save** and press **Select**.

5 Enter a name for each time period, then set the timeframe for the alarm.

6 Enter 2 digits for hours, 2 digits for minutes, then press **OK**.

You can set the progress to the next time period to manual or automatic. Just go to **Menu 1-1-2** (**Extras** > **Countdown timer**), then scroll to **Settings** > **Progress to next timer**.

Start the interval timer

1. At the start screen, press **Menu 1-1-2** (**Extras** > **Countdown timer**).
2. Scroll to **Interval timer** and press **Select**.
3. Scroll to the interval timer you want to use. Press **Select** and select **Start timer**.
4. Select the period from which you want the timer to start, then press **Start**.

   The interval timer starts running from the time period you selected. It continues from one time period to another, according to the options you selected in step 5 above.

   When you activate the timer, the timer icon ⏲ displays in the upper left corner of the start screen.

When the alarm goes off

When the normal timer or a period of time set in the interval timer expires, your phone sounds a tone, flashes its lights, and displays the note you entered.

STOP THE ALARM

To stop the alarm, press any key. If no key is pressed, the alarm automatically stops within 30 seconds. To stop the alarm and also delete the note you entered, press **Exit**.

• THE STOPWATCH

Your phone has a stopwatch that can be used to track time at sporting events or other occasions. The stopwatch displays time in hours, minutes, seconds and fractions of a second in *hh:mm:ss:s* format.

Note about stopwatch operation

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

If you press the end key and return to the start screen, the clock continues to run in the background and the ⏱ icon appears in the upper left corner of the screen.

To return to the Stopwatch screen, take the following steps:

1 Press **Menu 1-1-3** (**Extras** > **Stopwatch**). After a brief pause, a list of options appears in the display.

2 Scroll to **Continue** and press **Select**.

3 To stop the clock, press **Stop**.

Measure time

1 Press **Menu 1-1-3** (**Extras** > **Stopwatch**). After a brief pause, a list of options appears in the display.

2 Scroll to **Split timing** and press **Select**.

3 Press **Start** to begin split timing. The running time appears on the screen.

Measure split time

You can use the split time function for such things as a long distance race when you need to pace yourself.

1 Press **Menu 1-1-3** (**Extras** > **Stopwatch**). After a brief pause, a list of options appears in the display.

2 Scroll to **Split timing**, then press **Select**.

3 Press **Start**.

4 Press **Split** to note the lasped time. The timer continues to run. The split time appears below the running time.

If you split the time more than once, the new measured time appears at the beginning of the list. You can scroll to see previous measured times.

Measure lap time

You can use the lap time function when you want to track how long it takes to complete each cycle or lap.

1 Press **Menu 1-1-3** (**Extras** > **Stopwatch**). After a brief pause, a list of options appears in the display.

2. Scroll to **Lap timing** and press **Select**.
3. Press **Start**. The running time appears on the screen.
4. Press **Lap** to note the lap time.

The clock stops, then starts immediately from zero. The lap time appears below the running time.

If you take more than one lap time, the new measured time appears at the beginning of the list. You can scroll to see previous measured times. When you press **Stop**, the total time appears at the top.

SAVE THE LAP TIME

1. While the clock is running, press **Stop**, then press **Options**.
2. Scroll to **Save** and press **Select**.
3. Enter a name for the measurement and press **OK**. If you do not enter a name, the total time is used as the default title for the lap time.

STOP THE LAP TIMER

Press **Stop** to end the lap timer.

Choose other stopwatch options

You can choose the following options when using the stopwatch:

Continue–Shows up when the Stopwatch is working in the background.

Show last time–Allows you to view the last measured time.

View times–Allows you to browse the saved times.

Delete times–Allows you to delete any saved times. You can delete the saved times one by one or all at once.

• CALORIE CALCULATOR

The calorie calculator estimates the amount of energy used in various physical activities. The energy used depends on age, weight and gender. You can save up to 10 activities in your phone.

Note: The calorie calculator provides general measurements for personal use that may vary from scientific measurements.

Saving personal data

1. Press **Menu 1-1-4** (**Extras** > **Calorie calculator**).
2. Scroll to **Settings** and press **Select**.
3. Type in your weight and age, then select your gender.
4. Press **OK** after each entry to save the data.

You can select the weight, calorie, and velocity format by scrolling down the Settings menu and selecting the formats one by one.

Selecting an activity

1. Press **Menu 1-1-4-1** (**Extras** > **Calorie calculator** > **Activities**).
2. Press **Add new**, or press **Options** then **Add new**.
3. Select an activity from the list. If available, you can also add an intensity level.
4. Add the duration of activity in hh:mm format and press **OK**.

   The summary data with the energy cost is displayed.
5. Press **OK** to save the activity.

Editing and deleting activities

1. To edit activities, press **Options** in the **Activities** main view.
2. You can now add a new activity, edit an existing one, count the total calorie amount or delete an activity.

Tip: After you have made the **Total calories** calculation you can make a calendar entry of the calorie consumption by selecting **Options-Save to calendar** and entering the date.

3. To delete all activities at once, select **Extras-Calorie calculator-Delete all** and press **OK**.

• THERMOMETER

The thermometer measures the approximate temperature in both Fahrenheit and Celsius. You can set the temperature to display on the start screen.

Note: The thermometer provides general measurements for personal use that may vary from scientific measurements.

Set the temperature format

1 Press **Menu 1-1-5** (**Extras** > **Thermometer**).

2 Scroll to **Temp. format** and press **Select**.

3 Scroll to **Celsius** or **Fahrenheit** and press **Select**.

Show or hide the thermometer

1 Press **Menu 1-1-5** (**Extras** > **Thermometer**).

2 Scroll to **Show thermom.** (if the thermometer is hidden) or **Hide thermometer** (if the thermometer is shown) and press **Select**.

Note: To receive the best result, place the phone on a flat surface in a windless environment preferably for 5 minutes.

If your phone is being charged, the radio is on, or a call is active, the thermometer shows no temperature.

• SOUND METER

The sound meter measures the level of sound in the immediate vicinity of your phone, giving an approximation of the actual decibel level. The sound meter provides general measurements for personal use that may vary from scientific measurements. The vertical bar scrolls up and down, showing the changing noise level. The number in the upper box shows the peak value in decibels. The number in the lower box shows the current sound level in decibels.

Note: The sound meter cannot be used when a headset is connected to the phone.

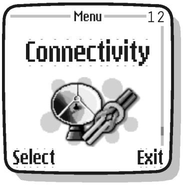
From the start screen press **Menu 1-1-6** (**Extras** > **Sound meter**).

Press **Options** for the following choices:

- **Reset peak** resets the peak value.
- **Hold peak** displays both values, but the peak value is updated only when the current noise level is greater than the peak value.
- **Dynamic peak** displays both values, but the peak value is valid for only 5 seconds.

- **Noise tuning** simulates the sensitivity of the phone hearing mechanism for different frequencies. You can choose between low noise (sounds < 85 dB) and loud noise (sounds > 85 dB).

Connectivity (Menu 12)



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

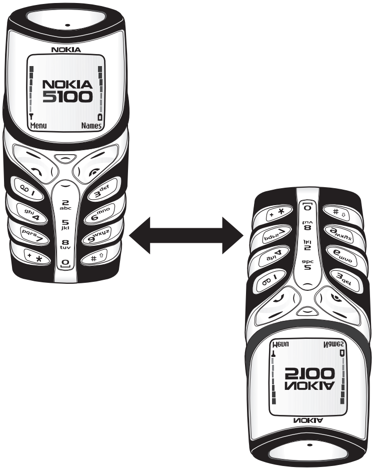
You can make a serial connection between your phone and a PC using the DKU-5 data cable, which is available for purchase as an accessory. Once you establish this connection, you can access phone information from your PC, or use your phone as a wireless modem. It may also be possible to make this same serial connection between your phone and an IR-equipped laptop or IR-equipped desktop PC using the IR port or your phone.

• INFRARED

You can set up the phone to receive data through its IR port. To use an IR connection, transmission and reception must be to or from an IR-compatible phone or device. You can send or receive data such as business cards and calendar notes to or from a compatible phone or data device (such as a computer) using the IR port of your phone.

Important: Do not point the IR beam at anyone's eye or allow it to interfere with other IR devices. This device is a Class 1 laser product.

SEND AND RECEIVE DATA USING 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. The preferable distance between the two devices in an IR connection is from 3 inches to 3 feet.
- Activate IR in your phone by pressing **Menu 1-2-1** (**Connectivity** > **Infrared**) at the start screen.
- The user of the other device should activate IR as well.

If data transfer is not started within 2 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 using its IR port.
- When blinks, your phone is trying to connect to the other device or a connection has been lost.

• GPRS

General packet radio service (GPRS) is a technology used to send and receive data using short bursts or packets over the wireless network. With GPRS, you can stay connected to the Internet and allow faster downloads without completing a dial-up connection. Applications using GPRS include the mobile Internet browser, text messaging and dial-up connections for making digital data calls.

GPRS dial-up connections

When you use your Nokia phone as a wireless modem, you have the option of enabling GPRS connectivity from your PC or laptop computer.

Note: Before you can use GPRS for dial-up connections you must first subscribe to the GPRS network service. Contact your service provider for details on pricing and availability.

Some service providers may have already set up information for your GPRS dial-up connection.

For more information, see the PC/PDA connectivity guide. This document can be downloaded from the Nokia website at **http://www.nokia.ca**.

Data communication applications

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

If you use IR connection, activate the IR connection in your phone by pressing **Menu 1-2-1** (**Connectivity** > **Infrared**). Also, make sure that the connection is active in your PC.

If you use the DKU-5 data cable:

1. Connect the cable to the USB port on the back of your computer and to the connector on your phone.
2. Start using the data communications application on the computer.

Note: 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.

• NOKIA PC SUITE

Nokia PC Suite 5 is a collection of powerful tools that you can use to manage your phone's features and data. PC Suite consists of the following components:

- Nokia Content Copier allows to you copy data between two Nokia phones, to back up phone data to your PC, then restore the data back to your phone, and erase data from your phone.
- Nokia Connection Manager allows you to select the connection type between the PC and the phone.
- Nokia PC Composer allows you to create new ringing tones and send them to compatible phones.
- Nokia Sound Converter allows you to convert general MIDI files for use with MMS messages and as ringing tones for your phone.
- Nokia PC Sync allows you to synchronize contacts, calendar, and to-do list items between your phone and PIM applications such as Microsoft Outlook and Lotus Organizer.
- Nokia PC Graphics allows you to create new caller group logos and picture messages or allows you to edit pictures (or picture messages) already in your phone.
- Nokia Image Converter allows you to convert and optimize graphics for use in MMS messages or for creating desktop wallpaper for your phone.
- Nokia Phone Editor allows you to edit your phone book and settings from your PC.
- Nokia Application Installer allows you to install Java applications from your PC to your phone.

Please refer to the *Nokia PC Suite Connectivity Guide* for installation and setup instructions.

• DOWNLOAD PC SUITE SOFTWARE

PC Suite software and documentation for the Nokia 5100 phone can be downloaded from the Download Software section of **www.nokia.ca**.

Services (Menu 13)

Menu
13
Services
Select
Exit

Your phone has a built-in browser you can use to connect to selected services on the Internet. You can view weather reports, check news or flight times, view financial information, and much more.

Note: This feature is network dependent. Contact your wireless provider for more information.

• MOBILE INTERNET ACCESS

This section gives a brief overview of mobile Internet technology.

Technology background

MOBILE INTERNET

XHTML is the mark-up language specifically designed for accessing the Internet from mobile devices. XHTML is similar to HTML markup language used to create Internet web pages, but it is optimized for smaller screens and allows the user to access a large selection of diverse Internet sites and applications. Your service provider and others are free to design mobile Internet sites as they choose, so the sites are as variable as web pages on the Internet.

The wireless provider's role

Because mobile Internet content is designed to be viewed from your phone, your wireless provider now becomes your mobile Internet service provider as well.

It is likely that your wireless provider has created a home page and set up your browser to go to this page when you log on to the Internet. Once at your service provider's home page, you may find links to a number of other sites.

• SET UP FOR BROWSING

It should not be necessary to manually configure the browser on your phone. Normally this is done by your wireless provider once you have subscribed to the feature. Contact your wireless provider if you have problems using the browser.

• SIGN ON TO THE MOBILE INTERNET

Use the **Services** menu to connect to the Internet.

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.

Press **Menu 1-3-1** (**Services** > **Home**). After a brief pause, your phone attempts to connect to your wireless provider's home page.

OR

At the start screen, press and hold the 0 key.

Your phone connects to the Internet and to your service provider's home page.

If you see **Check service settings**, the phone may not be set up for browsing. Contact your wireless provider to make sure that your phone is configured properly.

• USE BROWSER OPTIONS

The **Services** menu gives you the options shown in the following table. Some wireless providers may have customized the options on the Services menu. Contact your wireless provider for more information if any of the options shown in the following table are not available.

Choice	What it does
Home	Starts the browser and takes you to your service provider's home page.
Bookmarks	Shows a list of all saved bookmarks. Bookmarks help you find a mobile Internet site quickly.

Choice	What it does
Service inbox	Allows you to receive notifications from your service provider about new e-mail messages, changes in stock prices, and so on.
Settings	Provides options for changing connection settings, appearance settings, and authority certificates.
Go to address	Allows you to enter a URL and go to that web page.
Clear the cache	Empties the browser's temporary memory. It is advisable to empty the cache at the end of each session.

• NAVIGATE THE MOBILE INTERNET

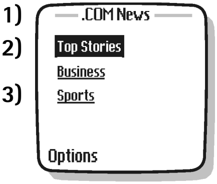
Since your phone screen is much smaller than a computer screen, Internet content is displayed differently than you may be accustomed to seeing. This section contains guidelines for using phone keys to navigate a mobile Internet site. Examples of how to read a mobile Internet site follow the guidelines.

Guidelines for using phone keys

- Use the up or down scroll keys to browse the mobile Internet site.
- To select a highlighted item, press the talk key.
- To enter letters and numbers, press the keys 0–9.
- To enter special characters, press the star key.

Examples of mobile Internet sites

The following illustrations show most of the elements you may find on a mobile Internet site. These are examples only.

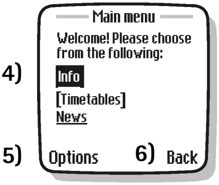

1)
2)
3)
.COM News
Top Stories
Business
Sports
Options

1) **Header line** shows the current Internet site.

2) **Active link** appears as a highlighted word.

3) **Inactive link** appears as a blue underlined word.

Scroll through the list of links using the up and down scroll keys.

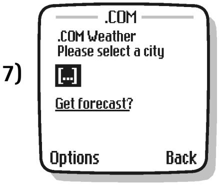

Main menu
4)
5)
6)
Info
[Timetables]
News
Options
Back

Welcome! Please choose from the following:

4) **Selection list** Brackets [ ] appear when you have the option to enter information.

5) **Options** Press **Options** to go to the site menu or browser page.

6) **Back** Press **Back** to return to the previous page.


.COM
.COM Weather
7)
[...]
Get forecast?
Options
Back

Please select a city

7) **Data entry field** Brackets [ ] that enclose dots indicate when you need to enter information. In this example, you can enter your postal code to receive the local weather forecast.

• BOOKMARKS

You can save addresses for your favorite sites as bookmarks. A bookmark helps you find a site again, just as a slip of paper helps you find a page in a book. You can add up to 30 bookmarks to your browser.

Set a bookmark while browsing

1. Press **Options** and scroll to **Add bookmark**.
2. Press **Select**.

OR

1. Press **Menu 1-3-2** (**Services** > **Bookmarks**). After a brief pause, a list of bookmarks (if any) appear in the display.
2. Press **Options**, scroll to **New bookmark** (if necessary), and press **Select**.
3. Enter an address for the bookmark and press **OK**.
4. Enter a title for the bookmark and press **OK**. A message appears in the display confirming your bookmark is saved.

Disconnect from the Internet

To close your connection, press the end key twice.

Security issues

CLEAR THE CACHE MEMORY

The information or services you access with the mobile Internet browser are temporarily saved in the cache memory of the phone. A cache is a buffer memory, which is used to store data temporarily.

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

CLEAR THE CACHE

1. Press **Menu 1-3** (**Services**). After a brief pause, a list of options appears in the display.
2. Scroll to **Clear the cache** and press **Select**.

CLEAR THE CACHE WHILE BROWSING

Press **Options**, scroll to **Clear the cache**, and press **Select**.

About authority certificates

To use some mobile Internet services, such as banking services, you need an authority certificate. Using the certificate can help you to improve the security of connections between your phone and a mobile Internet server.

You can download the certificate from a mobile Internet page if the mobile Internet service supports the use of authority certificates. After the download, you can view the certificate, then save or delete it. If you save the certificate, it is added to the list of certificates in the phone.

Your phone alerts you if the identity of the mobile Internet server or mobile Internet gateway cannot be verified or is not authentic.

VIEW THE LIST OF AUTHORITY CERTIFICATES

1. Press **Menu 1-3-4** (**Services** > **Settings**). After a brief pause, a list of settings appears in the display.
2. Scroll to **Security settings** and press **Select**.
3. Scroll to **Authority certificates** and press **Select**.

• GPRS ICONS

The following icons appear on the screen to show you the status of your GPRS connection.

Note: In order to use GPRS, you must first subscribe to the network service. Contact your service provider for details on availability and pricing.

G	Shows up in the upper left corner of the screen. Indicates an active GPRS connection, for example, when you are using the mobile Internet browser.
☎̸	Indicates that circuit switched (CS) or voice calls are not possible when using GPRS.
G̸	Indicates that the GPRS connection has been interrupted by a voice call.

Receive a call while online

If you are using the mobile Internet browser over GPRS, you can still receive a voice call. Your data call is put on hold and you can choose to answer the call.

- To answer the incoming call, press the talk key.
- To reject the incoming call, press the end key.

Note: After you end your voice call, the GPRS connection automatically resumes.

Make a call while online

When you are browsing a mobile Internet site and want to make a call using the number displayed on the site, you can select **Use number**. Your phone then searches the information on the mobile Internet card for a string of numbers. You can then choose from the number or numbers displayed to place the call.

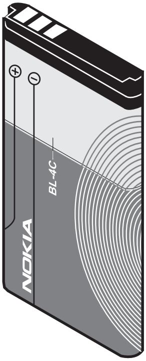
An alternate way is to press the end key to disconnect from the Internet, then place your call by searching the phone book for a name and number or by keying in the phone number.

Make an emergency call while online

If you are using GPRS to connect to the Internet, you can end your data connection and then make an emergency call.

1. To close your Internet connection, simply press the end key.
2. Enter the emergency number for your present location (for example, 911 or any other official emergency number—emergency numbers vary by location).
3. Press the talk key.

9 Accessories



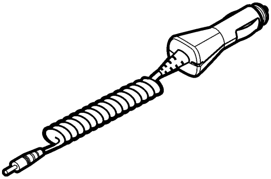
Standard 720 mAh Li-Ion battery (BL-4C)

The BL-4C battery provides up to 2–5 hours of talk time. It provides from 1 hour and 45 minutes to 3 hours and 45 minutes of talk time with the speaker, up to 20 hours with the radio and headset, and up to 8 hours with the speaker. It provides 150–300 hours of standby time.

Note: Operation times are estimates and may vary depending on network conditions, charging and phone use.

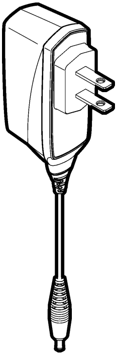
Cigarette Lighter charger (LCH-12)

Quickly charges the phone's battery from your vehicle. Plug the LCH-12 first into a standard 120V AC wall outlet, then into the bottom of the phone.



Rapid travel charger (ACP-12U)

This lightweight ac charger can be used with all battery options. To use the charger, plug it into a standard 120 Vac wall outlet, and connect the lead from the charger to the base of your phone. Calls can be made during charging, even with a fully discharged battery. The charger can also be used together with the optional Desktop Stand (DCV-14).

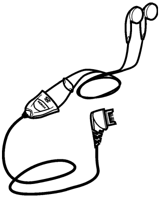


Boom headset (HDB-4)

This new, over-the-ear design concept boom headset is small, lightweight, and provides excellent audio quality.

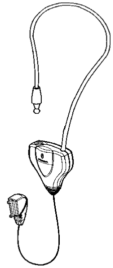
Stereo headset (HDS-3)

This distinctive Nokia design enables the use of stereo FM radio available on some Nokia phones. It provides excellent audio quality and hands-free functionality with an integral send/end button.



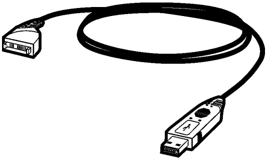
Loopset (LPS-4)

With the Nokia loopset, people who use a T-coil equipped hearing aid have the freedom to talk on a digital mobile phone. The loopset goes around your neck so it can be worn comfortably and discreetly.



Data cable (DKU-5)

Use this cable for e-mail, faxes, Internet and data transmissions. It is an easy and convenient connection with no modem or PC card needed.

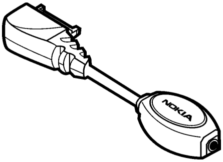


Xpress-on™ colour shells

Express yourself with Xpress-on™ color shells that match your own unique style. Nokia 5100 colour shells are available in red, orange, dark green, and dark gray.

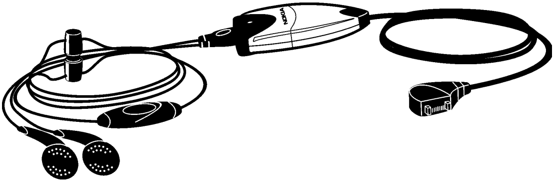
TTY adapter (HDA-10)

Use this adapter with a TTY device.



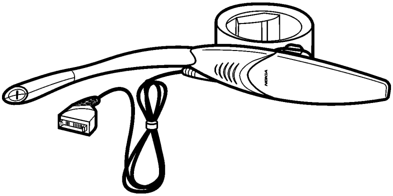
Camera headset (HS-1C)

The camera headset's resolution is VGA 640 x 480 pixels.



Handsfree headrest (BHF-1)

The BHF-1 clips to your car's headrest, allowing you to have a phone conversation while leaving both hands free.



Carry cases

For your convenience, there is a variety of carrying cases available for your Nokia 5100 phone. Check your favourite shop that carries Nokia accessories.

10 Reference information

This section provides information about your phone's batteries, accessories, chargers, safety guidelines and technical information. Be aware that the information in this section is subject to change as batteries, chargers, and accessories change.

BATTERIES AND CHARGERS

This phone is intended for use when supplied with power from the ACP-12 and LCH-12 chargers. Other usage could invalidate any approval given to this apparatus and might be dangerous.

Warning: When you purchase batteries, chargers, and accessories for your phone, use only batteries, chargers, and accessories that have received approval from the phone manufacturer. The use of any other type of phone-related hardware will invalidate any approval or warranty applying to the phone, and could also be dangerous. For availability of approved batteries, chargers, and accessories, check with your dealer.

- When the battery is fully charged, the indicator will tell you that the battery is fully charged.
- When you are not using a charger, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging could shorten its lifespan. If left unused, a fully charged battery will discharge itself over time.

Temperature extremes can affect the ability of your battery to charge. Therefore, allow it to cool down or warm up before trying to charge it.

When the battery is running out of power and your phone only has a few minutes of talk time remaining, a warning tone sounds and the **Battery low** message appears briefly. When no more talk time is left, a warning tone is sounded and the phone switches off.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object, like a coin, a clip, or a pen causes a direct connection of the + and - terminals of the battery, which are metal strips on the end of the battery.

An example of short-circuiting could occur if you carry a spare battery in your pocket or purse, where the battery could come into contact with such objects as a coin. Short-circuiting could damage either the battery or the connecting object.

Leaving the battery in hot or cold places, such as in a closed car in either 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 might not work temporarily, even if the battery is fully charged. The performance of Li-Ion batteries is particularly limited in temperatures below 0° C (32° F).

The following list provides guidelines that you can follow:

- When the operating time (talk time and standby time) is noticeably shorter than normal, buy a new battery.
- Use the battery only for its intended purpose.
- Never use any charger or battery that is damaged and/or worn out.
- Batteries must be recycled or disposed of properly. Do not dispose of batteries by putting them in fire!
- When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.

• IMPORTANT SAFETY INFORMATION

Traffic safety

Do not use a wireless 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 and always switch off your phone wherever forbidden, or when it may cause interference or danger.

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

As with other mobile radio transmitting equipment, users are advised to operate this equipment only in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Pacemakers

Pacemaker manufacturers recommend a distance of 20 cm (6 inches) be maintained between a hand-held wireless phone and a pacemaker to avoid interference with the pacemaker. These recommendations are consistent with independent research and recommendations of Wireless Technology Research.

PERSONS WITH A PACEMAKER:

- Should always keep the phone more than 6 inches (approx. 15.3 cm) from their pacemaker when the phone is switched on.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- Should switch off the phone immediately if there is any reason to suspect that interference is taking place.

Hearing aids

Some digital wireless phones may interfere with hearing aids. In the event of such interference, consult your wireless 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 it is adequately shielded from external RF energy, or if you have any questions.

Switch off your phone in health care facilities when regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to RF energy.

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 emanating from your wireless phone.

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 regarding 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/storage facilities, vehicles using liquefied 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 be advised to turn off your vehicle engine.

Vehicles

Only qualified personnel should install or service the phone in a vehicle. Faulty installation or service may be dangerous and invalidate the warranty.

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (for example, electronic fuel injection systems, electronic anti-skid (anti-lock) braking systems, electronic speed control systems or 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.

Ensure all wireless phone equipment in your vehicle is mounted and operating properly.

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

For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place any objects 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.

Aircraft

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, legal action, or both.

Emergency calls

Important: This phone, like any wireless phone, operates using radio signals and cannot be guaranteed to connect in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (such as medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local wireless providers for more information.

MAKING AN EMERGENCY CALL:

1 If the phone is not on, switch it on.

Important: Some networks may require that a valid SIM card be properly inserted in the phone.

2 Press and hold the end key to return to the start screen.

3 Enter the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.

4 Press the talk key.

If certain features are in use (Keyguard, fixed dialing, and so on), you may first need to turn those features off before you can make an emergency call. Consult this guide and your local wireless provider for more information.

When making an emergency call, remember to provide all information as accurately and clearly 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 GOVERNMENT REQUIREMENTS 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) energy set by Industry Canada. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that 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 set by the Industry Canada is 1.6 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.

Before a phone model is available for sale to the public, compliance with the Canadian Standard must be shown. The highest SAR value for this model phone when tested for use at the ear is 0.40 W/Kg and when worn on the body, as described in this user guide is 0.88 W/Kg.

(Body-worn measurements differ among phone models, depending upon available accessories and Industry Canada requirements).

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for RF exposure.

* The SAR limit for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of body tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band. For SAR information in other regions please look under product information at **www.nokia.com**.

11 Care and maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. Although it has been designed for an active lifestyle, (so it has an improved protection against water splashes, dust, and bumps) the suggestions below will help you to fulfill any warranty obligations and to enjoy this product for many years:

- Keep all parts and accessories out of small children's reach.
- Keep all parts and accessories dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits.
- Do not use or store parts or accessories in dusty, dirty areas. Moving parts can be damaged.
- Do not store parts or accessories in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store parts or accessories in cold areas. When the phone warms up (to its normal temperature), moisture can form inside the phone, which may damage electronic circuit boards.
- Do not attempt to open. Non-expert handling could cause damage.
- Do not drop, knock or shake. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean parts or accessories.
- Do not paint. Paint can clog moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications or attachments could damage the phone and may violate regulations governing radio devices.
- If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

• TROUBLESHOOTING

The following table lists some common problems and their solutions.

Problem	Possible cause	Possible solution
My phone is not charging	The charger and phone are not properly connected.	Securely connect the charger to the phone.
	The charger is not properly plugged into the wall.	Ensure the charger is plugged in correctly.
My phone is not making/ receiving calls	The battery is not charged.	Charge the battery.
	The signal strength is poor.	If you are indoors, move toward a window.
I can not listen to my voice messages	You do not have voicemail service.	Call your wireless provider.
	You have not setup your voicemail service with your wireless provider.	Call your wireless provider.
	You have not saved your voicemail number to your phone.	See "Save your voice mailbox number" on page 66.
	You have forgotten your password or are entering it incorrectly.	Call your wireless provider.
	The voicemail number you have saved to your phone is incorrect.	Call your wireless provider.
When I insert my SIM card into another phone, it is rejected.	Fixed dialing is activated on your SIM card and the receiving phone does not support fixed dialing.	Deactivate fixed dialing on the SIM.

12 Frequently asked questions

This section lists answers to the most frequently asked questions. Some of the answers contain menu shortcuts. For a list of shortcuts, see “Menu shortcuts” on page 17.

Q. What is my security code?

A. The default security code is 12345. However, Nokia recommends that you change this code immediately. Certain features can be used only after the correct security code has been successfully entered.

Q. How do I lock and unlock the keypad?

A. Lock the keypad by pressing **Menu**, then the star key. To unlock the keypad, press **Unlock**, then the star key.

Q. How do I make the phone ring louder?

A. Press **Menu 3** (**Profiles**), and scroll through the list of profiles until you find the one for which you want to set the ringing volume. Then press **Select**.

- Scroll to **Customize** and press **Select**.
- Scroll to **Ringing volume** and press **Select**.
- Scroll to the volume level of your preference and press **Select**.

Q. How do I change the ringing tone?

A. Press **Menu 3** (**Profiles**) and scroll through the list of profiles until you find the one for which you want to set the ringing tone. Then press **Select**.

- Scroll to **Customize** and press **Select**.
- Scroll to **Ringing tone**, and then press **Select**.
- Scroll through the options. After you hear the tone you want to use, press **Select**.

Q. How do I store my voice mailbox number?

A. Press **Menu 0-1-4-2** (**Messages** > **Voice messages** > **Voice mailbox number**). Enter your voice mailbox phone number, and press **OK**.

Q. How do I call my voice mailbox number (retrieve voice messages)?

A. When your phone alerts you to new voice messages, press **Listen** and follow the instructions on the phone. If you would rather listen to your messages later, press **Exit**.

To listen to your voice messages at a later time, perform one of the following actions:

- Press and hold the 1 key.
- Press **Menu 0-1-4-1** (**Messages** > **Voice messages** > **Listen to voice messages**). Follow the recorded voice prompts to listen to your messages.

Q. How do I redial the last-dialed number?

A. Press the talk key twice.

Q. How do I assign a key to 1-touch dialing?

A. Press **Names** and scroll to **1-touch dialing**.

Press **Select**.

Scroll to the first **(empty)** slot and press **Assign**.

Enter or retrieve the name/number you want to assign to the key and press **OK**. Repeat these steps as many times as necessary.

Q. How do I check the phone book memory status?

A. Press **Names**, scroll to **Settings**, and press **Select**. Scroll to **Memory status** and press **Select**. Scroll to **Phone** or **SIM** and press **Select**. The memory status for your selection appears in the display.

Q. How do I find my model number and IMEI number?

A. The model number and IMEI numbers are located on a label under the phone battery. Turn your phone off, remove the lower shell and then remove the battery from the phone.

Q. How do I clear my call timers?

Important: Clearing call timers cannot be undone.

A. Press **Menu 2-5-5** (**Call log** > **Call timers** > **Clear timers**). When the security code prompt appears, enter your security code and press **OK**.

13 Glossary

Business card	A business card is the same as an entry in the phone book. It may contain a name, phone number, and text entry. It can also be sent to other devices.
Call forwarding	A network services feature you use to forward incoming calls to another number.
Call lists	A list used to track numbers for incoming, outgoing, or missed calls.
Call log	A log that registers information about calls you make and receive.
Call timers	Timers used to track the amount of time you spend on calls.
Call waiting	A network services feature that enables your phone to beep while you are in the middle of a call. The beep lets you know that someone else is calling you.
International Mobile Equipment Identifier (IMEI)	The identification number that is assigned to the phone. This number is located under the battery.
In-call options	Features available for use while you are in a call.
Keyguard	Locks the keypad to prevent accidental key presses.
Keypad tones	The tone you hear when you press a key.
Menu	A list of choices you can make to change settings on your phone or use various phone features.

Predictive text	A method of entering information in your phone that uses a dictionary to predict, or guess, what you are writing.
Profile	A group of settings you can use to customize the way your phone works.
Quick save	A fast method for saving a number.
Ringing tone	The sound your phone makes when you receive a call. Ringing tones can be ringing sounds or short tunes.
Scroll bar	A bar that appears on the right side of the screen when you scroll through the main menus.
Start screen	Your phone's idle screen.
Voice mail	A network services feature that enables people who call and miss you to leave a voice message on your phone.
Warning tones	Sounds your phone makes during error conditions, during confirmations, when the battery is low, and when you need to recharge the battery.

14 Technical information

Feature	Specification
Weight	3.67 oz with the BL-4C 720 mAh Li-Ion battery
Wireless networks	GSM 900, 1800, and 1900 networks
Size (volume)	4.27 inches x 1.95 inches x 0.87 inch
Frequency Range (Tx)	GSM 900: 880–915 MHz GSM 1800: 1710–1785 MHz GSM 1900: 1850–1910 MHz
Frequency Range (Rx)	GSM 900: 925–960 MHz GSM 1800: 1805–1865 MHz GSM 1900: 1930–1990 MHz
Tx Output Power	2 W (max)
Battery Voltage	3.6 V dc
Number of channels	299
Memory locations	Up to 300 in phone memory

Nokia One-Year Limited Warranty

Nokia warrants that the Nokia wireless phone and accessories are free from defects in material and workmanship. The warranty period for the Phone (Radio) units and all accessories (excluding carry cases) is twelve (12) months from the date of purchase OR fourteen (14) months from date of wholesale shipment from Nokia, OR fifteen (15) months from the date of manufacture by Nokia. The warranty period for the Carry cases is three (3) months from the date of purchase or five (5) months from the date of wholesale shipment from Nokia.

During the warranty period, Nokia will, at its option, repair or replace the defective product free of charge. Replacement Product may be either new or remanufactured or refurbished.

However, if Nokia determines that the warranty conditions cannot be applied, the purchaser will be billed for the repair and shipping.

EXCEPTIONS

This warranty is subject to the following exceptions:

1 Mobile or fixed installation, which is not in accordance with the installation instructions, published by Nokia, will void the warranty. Damage caused by a repair or an attempt to repair by other than a service centre authorized by Nokia will void the warranty;

2 This warranty covers normal consumer use and does not cover defects or damage to any product which, in the sole opinion of Nokia, has been subject to: improper storage, exposure to moisture or dampness, exposure to fire, sand, dirt, windstorm, lightning, or earthquake; to theft, battery leakage, unauthorized modification, misuse, neglect, abuse, misapplication, accident, alteration, improper installation, maladjustment of consumer controls, or abnormal operating conditions, or which has been attributable to acts of God;

3 Fuses are not covered by the warranty;

4 This warranty does not cover defects or damages caused by a product which is not approved by Nokia to be connected to its wireless phone;

5 This warranty does not cover defects or damages caused by improper or defective function of the carrier system or by inadequate signal reception by the antenna;

6 Removal and reinstallation costs are not covered by this warranty;

7 This warranty is applicable only to products bought through Nokia Products Ltd. in Ajax, Ontario, Canada, and sold either in Canada or Bermuda.

8 Removal, alteration, or defacing of the Serial Number Plate, or the accessory Date Code Labels will void the warranty.

In no event shall Nokia be liable for incidental, special, or consequential damages, direct or indirect, loss of unanticipated benefits or profits, loss of use of its wireless telephone, resulting from the use of its wireless phone, or its accessories, or arising from any breach of this warranty.

CLAIM PROCEDURE

In order to obtain warranty performance, return the defective unit to the Nokia Service Centre with transportation charges prepaid (Shipping of the repaired unit may be paid by Nokia, in which case Nokia shall have risk of loss or damage during this shipment).

The proof of date of purchase will be required before in-warranty service is rendered.

Maintenance and service may be obtained in any authorized service centre in Canada.

EXTENSION OF WARRANTY PERIOD

When a repair is made, an extra 90-day service warranty is given to the labour and parts of the repair concerned. If replacement of a faulty unit is applied, instead of repairing, this 90-day service warranty is applied to the replaced unit.

Besides this 90-day service warranty, the warranty repairs or replacements do not affect the original warranty conditions, which are determined by the date of purchase.

THE FOREGOING WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE.

Some provinces do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

FOR WARRANTY SERVICE LOCATIONS, CONTACT YOUR SERVICE PROVIDER/ RETAILER/DEALER OR DIRECTLY TO:

NOKIA PRODUCTS LIMITED
601 Westney Road South
Ajax, Ontario L1S 4N7
Tel: 905-427-1373
1-888-226-6542
Website: **www.nokia.ca**

For products being returned to Nokia or its authorized service centres, the service provider/retailer/dealer shall prepay shipping charges, taxes, duties, insurance. Nokia shall have no risk for loss or damage during this shipment.

NOTE: As warranty is automatically registered, no further action is required by the consumer.

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