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April 26, 2001

Federal Communications Commission,
Authorization & Evaluation Division,
7435 Oakland Mills Road
Columbia, MD. 21046

Attention: Equipment Authorization Branch

For your convenience we have submitted a preliminary user guide of one of the LJONPC-1BG variants with relevant changes in RF exposure measurement results. The user guide of LJONPC-1BG will be available only in Portuguese. Except for the trade names, pictures of the product and SAR values its' content will be similar to this user guide.

NOKIA MOBILE PHONES


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Nokia 3320

User Guide

Draft V0.1

Not For Distribution

The wireless phone described in this guide is approved for use in TDMA and AMPS networks.

Legal information

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Includes RSA BSAFE cryptographic or security protocol software from RSA Security.

The information contained in this Owner's Manual was written for Nokia phone NPC-1 and NPW-1. The right to make changes and improvements to any of the products described in this guide without prior notice is reserved.

Export Controls

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FCC/Industry Canada Notice

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 Safety first

Read these simple guidelines before you use your phone. Failure to comply with these guidelines may be dangerous or illegal.

- **SAFETY GUIDELINES**

Following are important safety precautions for phone use.

Road safety comes first

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

[\[road_saf\]](#)

Switch off in hospitals

Follow any regulations or rules. Switch your phone off near medical equipment. [\[off_hosp\]](#)

Switch off while aboard aircraft

Wireless phones can cause interference. Using your phone aboard an aircraft is illegal at certain times. Observe the rules as announced on the aircraft. [\[off_airc\]](#)

Switch off when refueling

Do not use your phone at a refueling point. Do not use it near fuel or chemicals. [\[off_refu\]](#)

Switch off near blasting

Do not use your phone where blasting is in progress. Observe restrictions, and follow any regulations or rules. [\[off_blas\]](#)

Observe infrared precautions

Do not point the IR beam at anyone's eyes or allow it to interfere with other IR devices. [\[art\]](#)

1 • QUICK TIPS

Observe these brief guidelines to get the best performance from your mobile phone.

Be aware of interference

All wireless phones may get interference that could affect performance. [interfer]

Use your phone sensibly

Use your phone only in the normal position (next to the ear). Do not touch the antenna unnecessarily.

[use_sens]

Use only qualified service personnel

Equipment must be installed or repaired only by qualified service personnel. [qua_svc]

Use approved accessories and batteries

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

Read instructions before you connect to other devices

When you connect your phone to any other device, read the device's user guide for detailed safety instructions. Do not connect incompatible products. Remember to make backup copies of all important data. [art]

Make sure the phone is on

Before you make a call, be sure your phone is switched on. To make and receive calls, you must sign up with a cellular service provider.

[make_cal]

- **YOUR PHONE'S LABEL**

1

The label found on the back of your phone (under the battery) contains important information about your phone, including the model and serial numbers. You will be required to provide information from this label, in the event you call Nokia Customer Service (or call your service provider). Therefore, please do not remove or deface this label.

2

Welcome

Congratulations on your purchase of a Nokia 3320 mobile phone, a new tool for the mobile information society.

Nokia recommends that you read this chapter before you use your new phone. You will find useful information about:

- How to use this guide
- Cellular network services
- How to contact Nokia

• GET THE MOST OUT OF THIS GUIDE

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

Understand the terms

This guide uses certain terms for certain actions.

Press means to briefly press and then release a key. For example,

press  means press the zero key.

[Art for press menu] Press  means to press the key that is below the word **Menu** on the screen.

[Art for press menu] *Press and hold* means to press and hold a key for 1 to 3 seconds (depending on the feature you're using), and then release the key.

Notice text conventions

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

Convention	What it means
bold	The word or phrase appears on the phone's screen.
bold and blue	The word is an address on the World Wide Web.
bold, blue, and italic	A definition for the word or phrase appears in the terms list near the end of the user guide.
<i>italic</i>	Italics indicate emphasis. Pay close attention to any information in italics.

Follow graphic clues

This guide uses certain icons (small pictures) to alert you to important information.

Tip: Provides information about a shortcut or an alternate method of doing something.

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

Important: Alerts you to information critical to using a feature correctly.

Caution: Warns you when you may lose information.

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

Look for updates

From time to time, Nokia updates this user guide to reflect changes or corrections. The latest version may be available at the Nokia site on the World Wide Web: <http://www.NokiaUSA.com>

- 1 On the home page, click Nokia Phones, scroll to the section about your phone, and click Phone details.
- 2 Click an item to download the user guide, quick guide, or interactive guide (if available).

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• UNDERSTAND WIRELESS NETWORK SERVICES

A wireless network service provides the connections you need to use your mobile phone. The network also can give you access to special wireless services, including:

- Voice mail and voice privacy
- Call waiting, call forwarding, and caller ID
- Text and picture messages
- Ability to send your own number
- News and information services
- Selected Internet access services

Sign up with a service provider

Before you can take advantage of any of network services, you must sign up with a wireless service provider. Your service provider will make available descriptions of its services and instructions for their use.

Note differences among service providers

Wireless network providers differ from each other in certain ways. For example, some networks may not support all language-dependent characters. When you sign up for service, make sure your provider offers the services you need.

• LEARN ABOUT ACCESSIBILITY SOLUTIONS

The Nokia commitment

Nokia is committed to making mobile phones easy to use for all individuals, including those with disabilities. Nokia maintains a site on the World Wide Web that is dedicated to accessibility solutions. For more information about phone features, accessories, and other Nokia products designed with your needs in mind, visit the Nokia World Wide Web site at

www.nokiaaccessibility.com

Alternate format user guides

This user guide is available in alternate formats, including:

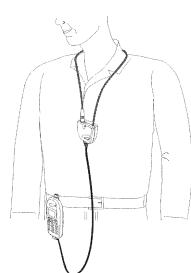
- Braille
- Large print
- Audiocassette
- E-text (3.5-inch disk in Microsoft Word or WordPerfect).

To request any format, call Nokia Customer Care at (888) 665-4228. Hearing-impaired and other TTY users can contact Nokia at (800) 246-6542.

LPS-3 Mobile Inductive Loopset

The LPS-3 Loopset is a Nokia accessory designed to make the 3300 series phone more accessible to hearing-aid users. The LPS-3 Loopset is also compatible with the Nokia 8200- and 8800- series digital phones.

The Nokia Loopset gives hearing-impaired wireless customers clear access to digital telephony for the first time. With the Loopset, people who use a T-coil equipped hearing aid can make and receive calls without noise interference.



HOW THE LOOPSET WORKS

The LPS-3 Loopset uses inductive technology to transmit sound to a hearing aid equipped with a T-coil. With inductive technology, the sound from the phone is amplified more efficiently and background noise is eliminated.

The loopset is easy to use. You wear the loopset around your neck, connect it to your phone, and speak directly toward the microphone.

For detailed instructions on using the loopset, refer to the booklet that comes with the LPS-3.

Note: The Loopset can be purchased separately as an accessory.

2

Accessible features

The 3300 has many accessible features including:

- Nibs beneath the 5-key for quick reference to the keypad
- Tactile feedback when a key has been pressed
- Adjustable display contrast
- Adjustable font size
- Ability to send and receive short text messages
- Convenience of one-touch dialing
- Vibrating alert for incoming calls and messages
- Ability to define ring tones for different caller groups

• FIND INFORMATION ABOUT YOUR PHONE

If you ever need to call Nokia Customer Service or your cellular service provider, you will need to provide specific information about your phone. This information is provided on the phone's label.

The label is on the back of the phone (under the battery). It shows the:

- Model number [Need picture of label]
- Phone type (a technical designation)
- Electronic serial number (ESN)

Do not remove or deface the label.

• CONTACT NOKIA

When you need help, the Nokia Customer Service department can provide information about Nokia products.

Have the right information available

We recommend that you have the following information available before you contact the Nokia Customer Service department:

- The phone's model number (3360)
- The ESN (serial number)
- Your ZIP code

The serial number is on the phone's label. See "Find information about your phone" for help.

Have the phone or accessory handy

Whether you're calling your phone or an accessory, you should have the equipment with you when you call. For example, if you're calling about a headset, please have it handy. That way, if a Nokia representative asks a specific question about the accessory, you will have it available for quick reference.

Nokia Customer Care Center, USA	Customer Service, Canada
<p>Nokia Mobile Phones, Inc. 7725 Woodland Center Boulevard, Suite #150 Tampa, Florida 33614 Tel: 1-888-NOKIA2U (1-888-665-4228) Fax: 1-813-249-9619 TTY: 1-800-24NOKIA (1-800-246-6542)</p>	<p>Nokia Products Ltd. 575 Westney Rd. South Ajax, Ontario L1S 4N7 Tel: 1-888-22NOKIA (1-888-226-6542) Fax: 1-905-427-1070</p>

2

Contact your service provider

Some service providers program a one-key customer support number into the phone. This number can be useful if you're having trouble dialing a number, especially when you're traveling outside your home area.

This one-key feature might not be available on all systems. Contact your service provider for availability.

When you need to get in touch with your wireless service provider:

- Press and hold the **<xxx>** key (or the key that your service provider instructed you to use) for 2 seconds.

Your phone will automatically dial the provider's customer support number.

If your service provider determines that the problem is Nokia-related, their representative will direct you to the Nokia Customer Care Center (USA) or Nokia Customer Service (Canada).

3 Set up your phone

Before you use your phone, you need to:

- Charge the battery.
- Connect any accessories you want to use and set up for infrared transfer.
- Adjust a few phone settings to suit your needs.

• ATTACH THE BATTERY

This section tells you how to install a new battery. If you're installing a replacement battery, make sure you use only a Nokia-approved part.

<Attaching/removing the battery - need to illustrate and get input for the instructions>

- 1 If the back cover is attached to your phone, carefully remove it. (See Reference Information for instructions on removing the back cover.)
- 2 Locate the metal connectors on the bottom edge of your battery.
- 3 Holding the battery with the label facing you, place the battery in the phone bottom first so that the connectors on the battery and the connectors in the phone will be touching.
- 4 Snap the top of the battery in so that the bar comes down snuggly next to the battery.

• CHARGE THE BATTERY

Follow these guidelines to charge the battery.

- 1 With your phone on or off, connect the lead from the charger to the bottom of the phone.
- 2 Connect the charger to an AC wall outlet.

The battery indicator bar starts to scroll up and down after a few

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seconds.

- 3 Disconnect the charger from the phone and AC outlet when the battery is fully charged.

After the indicator bar stops scrolling, the battery will accept a "trickle charge" for an additional 2 hours until it is fully charged. See "Reference Information" for more information on batteries.

• REMOVE THE BATTERY

You will need to remove the existing battery if you want to install a new battery or if you've purchased a spare battery.

- 1 Make sure the phone has been turned off for 10 seconds.
- 2 Remove the back cover of the phone.
- 3 Locate the battery latch that runs along the end of the battery nearest the top of the phone.
- 4 Using your thumbnails, press the bar away from the battery until it snaps and the battery lifts slightly. Once the battery has lifted, you can remove it from the phone.

Note: Use only your hands to remove the battery. Do not use any objects which may damage the phone or the battery.

• IMPORTANT BATTERY INFORMATION

- Recharge your battery only with a charger approved by Nokia.
- You can switch the phone on and use it for calls while the battery is charging.
- If the battery is totally empty, it may take a few minutes before the charging indication appears on the screen.
- If the phone is switched on when charging is completed, the screen momentarily shows the message Battery full.
- The BMC-2 battery does not need to be fully discharged before

recharging.

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- Charging time depends on the charger and battery used. See "Batteries" for charging times.

- **PROLONG BATTERY LIFE**

A NiMH battery lasts longer and performs better if you fully discharge it from time to time. To discharge your battery, follow either of these steps.

- Leave your phone switched on until the battery is drained. *Ignore any messages to recharge your battery.*
- Use the battery discharge feature of any approved accessory available for your phone.

Important: Do not attempt to discharge the battery by any means other than those just described.

- **CONNECT THE HEADSET**
- **USE THE CARRYING CASE**
- **ADJUST THE VOLUME**
- **ADJUST SCREEN CONTRAST**
- **CHOOSE THE LOOK OF YOUR SCREEN**

<personalize>

4

4 Review the basics

This section gives you a brief introduction to the phone and shows quick steps for making, answering, and managing your calls. The rest of this guide provides complete details on phone use.

[keys picture of phone]

• 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.

[graphic of the back of the phone showing the antenna]

Possible overheating

It is normal for your phone to become hot during use. If the phone becomes too hot, it automatically drops the current call and returns to the Start screen. You won't be able to make or receive calls until the phone cools.

• LEARN THE KEYS

Here is a summary of how the various keys on your phone work.

Key	What it does
	Power: Press and hold to switch the phone on or off.
	Selection: Press to choose the option shown by the word above the key.
	Talk: Press to make a call to the name or number shown on the screen or to answer a call. Press  once at the Start screen to view the first in a list of numbers you've most recently dialed. Press  to review the list. Press  again to call a number shown on the list.
	End: Press to end a call or to silence the ring from an incoming call. Also, press to return to the start screen.
	Number: Use keys 2 through 9 to enter numbers and letters. Press  if you want to insert a blank space while entering text.
	1 Key: Press and hold  to call your voice mailbox.

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Key	What it does
	Special characters: Press to enter special characters, such as punctuation marks.
	Scroll keys: Press to scroll up or down through a menu list of options.

• MAKE AND ANSWER CALLS

Use this quick guide to make and answer calls.

Switch the phone on (or off)	Press and hold the power key for 2 seconds. Do not switch on the phone when wireless phone use is prohibited or when the phone may cause interference or danger. [Warning graphic]
Make a call	<ol style="list-style-type: none"> 1 Hold the phone as you would any other telephone, with the earpiece over your ear and the microphone near your mouth. 2 Press number keys to enter a number, including area code if needed. 3 Press .
Answer a call	When your phone rings, press  .
End a call	Press  .
Avoid unintentional calls	Press Menu and then  . Keyguard is now set to on. You cannot accidentally make a call.
Turn Keyguard off	Press Unlock and then OK .

- **CHECK THE START SCREEN**

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When you switch on your phone, a Nokia welcome appears, and then you see the **Start screen**. This is the “home base” for your phone.

The Start screen appears when the phone is “idling,” or standing by.

Return to the Start screen

You can easily return to the Start screen from any activity other than an active call. To do so:

Press .

The phone clears any text or information you may have been entering, and the screen returns to Start.

The phone erases any information you entered when you press .

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ON THE START SCREEN

HOME	Your service provider's name may appear here.
	Shows the signal strength of the wireless network where you are. The higher the bar, the stronger the signal.
	Shows the battery charge level. The higher the bar, the more power in the battery.
	The top level of menu choices on your phone. Press <xxx> to enter the menus.
	The entry point for the phone book. Press  to enter the Names list (after you've added some entries).
	Indicates that you are in a digital network.

Check the header line and scroll bar

A header line appears at the top right corner of the screen when you're using the phone book or menus. This line reminds you of the phone book entry or menu option with which you're working.

A scroll bar appears on the right side of the screen when you scroll through the main menus. The bar gives you a visual representation of your relative position in the main menu structure. You cannot see the scroll bar when you're working with the phone book or once you have selected a main menu item.

• REVIEW PHONE SYMBOLS

4

The following is a collection of the various symbols and signals you may see on your phone.

Symbol	What it means
	You have an active call.
	The phone is waiting for you to enter numbers or text.
	You have turned off your phone's keypad tones, warning tones, message alert tones, and set your ringing tone to Silent.
	You've activated Keyguard to help prevent any accidental keypresses.
	You have one or more voice messages waiting.
	You have one or more unread text messages waiting.
	Digital service is available.
	Alpha characters you enter will be uppercase (capital letters). Press  to switch to lowercase.
	Alpha characters you enter will be lowercase. Press  to switch to uppercase.
	Characters you enter will be numbers. Press and hold  to switch back to letters.

Symbol	What it means
	You are using predictive text. The first word of every sentence will be uppercase. Available when entering calendar notes, to-do list events, or writing text messages. Press  to switch to numbers.
	You are using predictive text. Characters you enter will be uppercase letters. Press  to switch to lowercase letters. Press  to switch to numbers.
	You are using predictive text. Characters you enter will be lowercase letters (c, e, m, and so on). Press  to switch to uppercase letters. Press  to switch to numbers, or press and hold the number you want until it appears.
	You are using predictive text. Characters you enter will be numbers. Press  to switch back to letters.
	You can enter only special characters, such as punctuation marks. Appears when you press and hold the  key while entering or editing text.
	The alarm clock is set.
	<Description of an on screen icon for reminders?>.
	You have an active data or <fax call?> .

• USE THE SELECTION KEYS

Note the two selection keys beneath the screen. What these keys do is determined by the word shown above them on the screen.

- For example, pressing the left selection key when Menu appears above it shows the first of many menus. You scroll through the menus using the  and  keys.
- Pressing the right selection key  when Names appears above it opens the phone book menu.

When this guide says, "Press Menu," it means, "Press the selection key beneath the word Menu."

• CHECK IN-PHONE HELP

Your phone provides brief descriptions of all menu options in an "in-phone" help system.

- 1 Scroll to a menu or submenu option.
- 2 Wait about 10 seconds.

A short message appears, describing the option and what it does.

• BROWSE PHONE MENUS

A **menu** is a list of choices you can make to change settings on your phone or use various phone features. Your phone has 12 menus.

Each menu can contain several levels of submenus. You can use menus and submenus two ways: by scrolling or by using a shortcut.

Scroll through menus

Follow these steps.

- 1 From the Start screen, press Menu, and then scroll through the menus using the  and  keys.
- 2 Press Options, Select, or OK, using the selection keys at the option

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you want.

- 3 Use the scroll and selection keys to navigate the submenus and to return to the Start screen.

Use a shortcut

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

- 1 Press Menu.
- 2 Within 3 seconds, enter the first number of the menu function you want to access. Repeat until you have entered all of the numbers.

Example: To turn on Automatic redial, press Menu 4 > 2 > 1 > 1 (Settings > Call settings > Automatic redial > On).

TIPS

- You can scroll upward (backward, so to speak) as well as downward to find some of the most frequently used submenu options.
- You can return to the previous menu level by pressing Back.
- To exit a menu and return to the Start screen, press .
- You can always leave menu by pressing  without changing the menu settings.

Some menus may not appear. Ask your service provider for details.

• SHORTCUTS

1 MESSAGES

- 1 Write message
- 2 Write e-mail
- 3 Chat
- 4 Inbox
- 5 Outbox
- 6 Archive
- 7 Templates

- 8 Erase all
- 9 Voice messages
 - 1 Listen to voice messages
 - 2 Voice mailbox number
- 2 CALL LOG
 - 1 Missed calls
 - 2 Received calls
 - 3 Dialed numbers
 - 4 Clear call lists
 - 1 All
 - 2 Missed
 - 3 Dialed
 - 4 Received
 - 5 Call duration
 - 1 Last call duration
 - 2 Dialed calls' duration
 - 3 Received calls' duration
 - 4 All calls' duration
 - 5 Life timer
 - 6 Clear timers
- 3 PROFILES
 - 1 General
 - 1 Activate
 - 2 Personalize
 - 1 Incoming call alert
 - 2 Ringing tone
 - 3 Ringing volume
 - 4 Vibrating alert
 - 5 Message alert tone
 - 6 Keypad tones
 - 7 Warning tones
 - 3 Rename <Not available with General>
 - 2 Silent
 - 3 Meeting
 - 4 Outdoor
 - 5 Pager

4

4 SETTINGS

- 1 Time settings
 - 1 Alarm clock
 - 1 On
 - 2 Off
 - 2 Clock
 - 1 Show/Hide clock
 - 2 Set the time
 - 3 Time format
 - 3 Auto update of date and time
 - 1 On
 - 2 Confirm first
 - 3 Off
- 2 Call settings
 - 1 Automatic redial
 - 1 On
 - 2 Off
 - 2 Calling card
 - 1 None
 - 2 Card A
 - 3 Card B
 - 4 Card C
 - 5 Card D
 - 3 Current call
 - 1 On
 - 2 Off
- 3 Phone settings
 - 1 Language (your phone may show other languages)
 - 1 American English
 - 2 Canadian French
 - 3 American Spanish
 - 4 Brazilian Portuguese
 - 2 Touch tones
 - 1 Manual touch tones
 - 2 Touch tone length
 - 3 Welcome note

- 4 Help texts
 - 1 On
 - 2 Off
- 5 Display contrast
- 6 Power save if no service
 - 3 On
 - 4 Off
- 7 Restore factory settings
- 4 Accessory settings
 - 1 Headset
 - 1 Default profile
 - 2 Automatic answer
 - 2 Car/Handsfree
 - 3 Default profile
 - 4 Automatic answer
 - 5 Lights
 - 3 Loopset
 - 1 Loopset in use
 - 2 Default profile
- 5 Security settings
 - 1 Call restrictions
 - 1 Restrict outgoing calls
 - 2 Restrict incoming calls
 - 2 Change security code
- 6 Network services
 - 1 Public system selection
 - 1 Any system
 - 2 Home only
 - 3 Nonhome type
 - 4 Home type
 - 2 Digital/analog selection
 - 1 Digital & analog
 - 2 Analog
 - 3 Digital
 - 3 Voice privacy
 - 1 On
 - 2 Off

4

- 7 Network feature setting
- 8 Call forwarding (these options available only if the feature is turned on; see your wireless service provider)
 - 1 Forward all calls
 - 1 Activate
 - 2 Cancel
 - 2 Forward if busy
 - 1 Activate
 - 2 Cancel
 - 3 Forward calls if not answered
 - 1 Activate
 - 2 Cancel
 - 4 Forward calls if out of reach or phone is off
 - 1 Activate
 - 2 Cancel
 - 5 Cancel all call forwarding
- 9 Call waiting (these options available only if the feature is turned on; see your wireless service provider)
 - 1 Activate
 - 2 Cancel
- 10 Own number sending
 - 1 Set by network
 - 2 On
 - 3 Off
- 11 NAM selection
- 5 NETWORK SELECTION
 - 1 Automatic
 - 2 Manual
 - 3 New Search
- 6 GAMES
 - 1 Snake 2
 - 1 Continue
 - 2 Last view
 - 3 New game

4 1 player
5 2 players
6 Level
7 Top score
8 Instructions
2 Space impact
3 Pairs 2
4 Settings
1 Sounds
1 On
2 Off
2 Lights
1 On
2 Off
3 Vibrator
1 On
2 Off
7 CALCULATOR
8 REMINDERS
9 INFRARED
10 SERVICES
11 PREPAID
1 Check balance
2 Add money to account
3 Save access phone numbers
12 NET MONITOR

• PHONE BOOK MENU

1 For access to the phone book and its menus, switch back to the Start screen.

2 Press Names.

These options are available:

1 SEARCH

4

- 2 ADD ENTRY
- 3 EDIT NAME
- 4 ADD NUMBER
- 5 ERASE
 - 1 One by one
 - 2 Erase all
- 6 OPTIONS
 - 1 Type of view
 - 1 Name list
 - 2 Large font
 - 3 Name and number
 - 2 Memory status
- 7 SPEED DIALING

5 Use the phone book

The phone book gives you quick access to names, numbers, and e-mail addresses.

- An entry in the phone book can consist of a number only, or a name and a number.
- You cannot enter the same name twice. If you try to save a name that is already in the phone book, the phone asks if you want to replace the existing name.

• REVIEW ABC AND 123 ENTRIES

In the phone book, you enter names in what is called **ABC mode** and numbers in **123 mode**. The phone shows which mode is in use.

[ABC icon]

[123 icon]

Enter letters

When you are in a name box in the phone book, the phone shows the ABC icon. You use the phone's keypad to enter letters. Here's how:

- 1 Find the key with the letter you want to enter.
- 2 Press the key as many times as needed to get to the letter you want.
- 3 Wait for the blinking cursor to reappear before you enter another letter.

Example: Entering the name *Albert*

Press2 A

Press5 5 5 L

Press2 2 B

Press3 3 E

5

Press 7 7 R

Press 8 T

Enter numbers

When you are in a number box in the phone book, the phone shows the 123 icon. 

- To enter numbers, simply press the numbers you want.

Enter punctuation and other characters

Depending on the language selected for your phone, the following characters may be available:

Key	Characters	Key	Characters
1	. , ' ? ! - 1	7	P Q R S 7
2	A B C 2	8	T U V 8
3	D E F 3	9	W X Y Z 9
4	G H I 4	0	Space, 0
5	J K L 5	*	Special characters (See XREF for details.)
6	M N O 6	#	Changes letter case

 Some networks may not support all language-dependent characters.

ENTER SPACES AND PUNCTUATION

- To enter a space, press once.
- To enter punctuation marks, press . A screen appears with the following special characters available:
. ? ! @ ' - _ () , : ; & / ~ < hollow star > \ % * # + < = > " < e symbol >
£ \$ ¥ < circle with an X > § ¡ ¿

Use the scroll keys to select the character you want, then press Use. 

ERASE MISTAKES

If you make a mistake:

- Press  to erase that character.
- Press Clear as needed to erase more than one character, or press and hold  to erase the entire field of characters.

CHANGE LETTER CASE

- To switch between uppercase and lowercase letters, press .

The ABC icon switches to abc, showing you are using lowercase letters.

• USE SPECIAL CHARACTERS IN NAMES AND PHONE NUMBERS

In ABC mode

- 1 Press and hold . A screen appears with the available special characters.
- 2 Use scroll keys to select the character you want, then press Select.

In 123 mode

The  key inserts the following characters only in 123 mode:

- This character sends command strings to the network. Contact your service provider for details. **<This bullet needs to be a * symbol>**
- This character is a prefix for dialing international numbers. **<This bullet needs to be a + symbol>**
- This character creates a pause that occurs when dialing a number. Numbers entered to the right of this special character are automatically sent as touch tones after a 2.5-second pause. **<Bullet needs to be the letter p>**

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6 Check call history

The call register keeps track of:

- Missed calls
- Numbers you've dialed
- Numbers from which you've received calls
- The amount of time you've spent on calls

• CHECK THE CALL LOG

Press Menu 2 to access Call log, then press Select.

The following submenus are available:

Missed calls

Received calls

Dialed calls

Clear call lists

Call timers

To select any of these options, press the Select key while the option is displayed on the screen. The Missed calls, Received calls, and Dialed calls menus include the following options (available when you press the Options key):

Call time	Shows the date and time when the call was connected—if the clock has been set.
Send message	
Edit number	Allows you to edit the number shown on the screen.
Save	Allows you to save the displayed number into your phone book.

Add to name	Add the number to an already existing name in your phone book.
Erase	Allows you to erase the displayed number from the call log.
View number	Allows you to view a number when an associated name appears on the screen. This option works only if you have stored the associated number in the phone book.

Tip: You can dial any numbers that appear on your phone's screen by pressing .

Check missed calls

Your phone stores up to the last 10 <?> numbers associated with calls you have missed. When you miss a call(s), the message Missed calls appears on your phone's screen, along with the number of calls missed.

You are notified of missed calls only if your phone was turned on in the original service area of your service provider.

To check missed calls:

- 1 Press List.
The phone shows the numbers of the calls you missed.
- 2 Either scroll through the list using the  or  keys until you reach a number that you want to dial and press , or press Back to return to the Start screen.

If you prefer, you can press Menu 2 > 1 (Call log > Missed calls), then scroll through the list of numbers.

Note: If you chose the Forward if not answered option in Call Forwarding, then your phone treats these forwarded calls as missed calls.

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Check previously dialed calls

Your phone stores up to the last 10 numbers associated with calls that you have dialed. To check this list of numbers:

- 1 Press Menu 2 > 3 (Call log > Dialed numbers).
- 2 Use  or  to scroll through the dialed numbers list.
- 3 When you reach the number you want to dial, press .

You can also access previously dialed numbers by pressing  and then pressing  or  to scroll through the list.

Check received calls

Your phone stores up to the last 10 numbers associated with calls that you have answered. To check this list of numbers:

- 1 Press Menu 2 > 2 (Call log > Received calls).
- 2 Use  or  to scroll through the list of received numbers.
- 3 When you reach the number you want to dial, press .

Clear call lists

You can erase some or all of the numbers that appear in your phone's call register. You can erase dialed numbers, received call numbers, or missed call numbers.

Warning: You cannot undo this operation.

To erase some or all of the numbers listed in your call registers:

- 1 Press Menu 2 > 4 (Call log > Clear call lists).
- 2 Use  or  to scroll through the options list, which includes the following options: All, Missed, Dialed, and Received.
- 3 Stop at the appropriate option and press OK.

Note: The All option clears every number in every list, whereas the other options clear only the numbers associated with that option. For example, the Dialed option clears only the numbers associated with calls you previously dialed.

• CHECK CALL TIMERS

Your phone tracks the amount of time you spend on each call. To obtain information about time spent on phone calls:

- 1 Press Menu 2 > 5 > 6 (Call log > Call duration > Call timers).
- 2 Use  or  to scroll through the options described in the following list:

Last call duration	Shows the call duration of the last call made.
Dialed calls' duration	Shows the duration of all outgoing calls since you reset the timers.
All calls' duration	Shows the call duration of all calls that have been made and received since you reset the timers.
Life timer	Shows the duration of all calls for the life of your phone. This option cannot be reset.
Clear timers	Clears all call timers for the currently selected phone number. Your phone includes separate timers for each number used, with the exception of the Life timer.

Warning: If you select the Clear timers option, the action cannot be undone. If you use the call timers to log the amount of time spent on calls, you might want to record the information that is in the call timers before you erase them.

Turn on a current call timer

You can set your phone to display the running elapsed time while a call is active. To do so:

- 1 Press Menu 4 > 2 > 3 (Settings > Call settings > Current call).
- 2 Scroll to On and press

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From this point on, each call you make or receive will be timed. After a call has ended, press any key on your phone to clear the current call's duration from the screen.

Clear call timers

- 1 Press Menu 2 > 5 > 6 (Call log > Call duration > Clear timers).
The Security code field appears.
- 2 Enter your security code and press OK.

7 Use advanced calling features

• SET IN-CALL OPTIONS

Your phone allows you to use a number of features during a call. These features are known as in-call options.

Note: Many in-call options are network services features. To use these options, you must contact your service provider.

You cannot use all these options at all times. This section tells you when you can use a certain option.

- 1 To access an option during a call, press Options.
- 2 Choose from some or all of the following options:

Lock keys	This option appears first only if your phone is connected to a headset. Otherwise, the Mute option (see next) appears first.
Mute	Mutes the phone's microphone. If, somehow, your phone's microphone has already been muted, End mute appears instead of Mute. Press OK to choose either of these options. Note: These options can affect the microphones of any accessories connected to the phone.
Touch tones	Allows you to manually enter a touch tone string or search for a string in your phone.
New call	Allows you to "conference in" another call while you are in the midst of a call.
Menu	Allows you to access the Menu.
Names	Allows you to access the phone book.

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• USE CALL WAITING

If you have call waiting, your phone beeps during a call to let you know that someone else is calling you.

Depending on your caller ID setup, the phone might also display the number of the incoming call.

Note: Call waiting may not be available in all wireless systems.

Contact your service provider for details and availability.

Before you can use call waiting, you must contact your service provider to make sure this feature is available and turned on for your phone.

Then you must activate the call waiting feature.

Store the call waiting feature code

Activate call waiting

1 Press Menu 4 > 9 > 1 (Settings > Call waiting > Activate).

2 Press OK.

Your phone calls the network to confirm the feature code you entered. After the network confirms the feature code, call waiting is activated.

• MANAGE CALLS

Call waiting works with both local and long distance calls.

- To answer an incoming call, press .
- To switch from one call to another, press .
- To end both calls, press .

Make a conference call

While in a call, you can call another number and "conference in" (add) a third party to the call.

The conference call feature varies based on wireless systems. Contact your service provider for details.

- 1 While in a call, you can either dial the number you want to conference in and press <?>.

OR

You can press Options, scroll to New call, press OK, enter the phone number, and press OK again.

If you don't remember the number of the party you want to include in the conference, and you know that this number is in your phone book, you can recall the number.

- 2 When the third party answers, press <?> to connect all three parties.

Note: To place one of the parties on hold, press [graphic] again. If you press [graphic] a third time, the party you placed on hold rejoins the call, and the second party is placed on hold. Once you place one of the parties on hold, you are unable to rejoin all three parties.

- 3 To drop all parties, press [graphic].

Lookup a number during a conference call

If you don't remember a number that you need to call while in another call, and you know that this number is in your phone book, you can recall the number without having to quit your current call.

- 1 During the call, press Options.
- 2 Scroll to Names and press OK.
- 3 Press Select at Search.
- 4 Enter a name and press OK, or scroll through the phone book.
- 5 Press [graphic].

7

• USE CALL FORWARDING

With call forwarding, you can forward incoming calls to another number. This way, if you are unable to receive calls on your phone, all calls going to that phone can be forwarded to another phone. You never have to miss an important call.

Note: The call forwarding feature might not be available in all wireless systems. Contact your service provider for details and availability.

Before you can use call forwarding, you must first store its feature code. Then you must activate the call forwarding feature.

You can use the call forwarding feature code manually as opposed to storing it. Each time you need to forward phone calls, you must enter the feature code before the phone number (for example, *72 555 1212).

Store the call forwarding feature code

- 1 Press Menu 4 > 7 (Settings > Network feature setting).
The Feature code field appears.
- 2 Enter the feature code your service provider gave you and press OK.
- 3 Use  or  to scroll to Call forwarding and press Select.

Activate call forwarding

- 1 Press Menu 4 > 8 > 1 (Settings > Call forwarding).
- 2 Scroll to the desired call forwarding option, as described in the following table, and press Select.

Forward all calls	Forwards all incoming calls.
Forward if busy	Forwards calls only when you're on your phone and do not have voice mail.
Forward calls if not answered	Forwards calls if you don't answer. This option is handy if you want to give your phone to someone for a short period of time, but you don't want them to answer the phone. For example, you could use this option if you give your child the phone to take out, in case of an emergency, but you still want to receive any incoming calls made to this phone.
Forward calls if out of reach or phone is off	Forwards calls if you are out of the serving wireless network, or if your phone is turned off.
Cancel all call forwarding	Cancels all forwarding options that are currently active.

- 3 Highlight Activate and press OK.
- 4 At the Number field, either enter the number to which you want your calls forwarded or press Search to find this number in the phone book (if you have stored the number in the phone book).
- 5 Press OK.

Your phone calls the network to confirm the feature code that you entered in Menu 4 > 7. After the network confirms the feature code, call forwarding is activated.

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• REDIAL AUTOMATICALLY

Automatic redial enables your phone to continue trying to call a number that was busy due to wireless network problems.

When you call a number and get a busy signal because of network problems, your phone redials this number up to <3?> times. If you want to stop this process prior to the last attempt, press [graphic]. This stops the automatic redialing.

Before you can use the Automatic Redial feature, you must activate it.

- 1 Press Menu 4 > 2 > 1 (Settings > Call settings > Automatic redial).
- 2 Scroll to On.
- 3 Press OK.

• USE A CALLING CARD

You can use a calling card when you dial long distance calls. First you must store your calling card information in the phone. Your phone can store information for a maximum of four calling cards.

Save calling card information (step 1)

- 1 Press Menu 4 > 2 > 2 (Settings > Call settings > Calling card).
- 2 Scroll to card A, B, C, or D and press Options.
- 3 Scroll to Edit and press OK.
The Security code field appears.
- 4 Enter your security code and press OK.
The Dialing sequence field appears.
- 5 Press Select.
- 6 Use  or [down] to scroll through the list of dialing sequences, as

described in the following table.

7

Dialing sequence	Use for cards that require you to
Access no. + phone no. + card no.	Dial 1-800 access number, then phone number, then card number (+ PIN if required).
Access no. + card no. + phone no.	Dial 1-800 access number, then card number (+ PIN if required), then phone number.
Prefix + phone no. + card no.	Dial the prefix (any numbers that must precede the phone number) and phone number you want to dial, then card number (+ PIN, if required).

7 Press Select.

Save calling card information (step 2)

The order of the following steps may vary, depending on which dialing sequence your card uses.

- 1 When prompted for the calling card's access number, enter the number and press OK.
This number is usually the 1-800 number that is listed on the calling card.
- 2 When prompted to enter a calling card number (usually shown on the front of the calling card) and PIN number, enter the number, and press OK.
- 3 Press OK again when the Save changes? message appears.
- 4 Use [graphic] or [graphic] to scroll to Card name, press Select, and enter the card name using your phone's keypad.

7

- 5 Press OK.

Choose a calling card to use

If you have more than one calling card, you'll need to choose one before making a call.

- 1 Press Menu 4 > 2 > 2 (Settings > Call settings > Calling card).
- 2 Scroll to the desired card and press Options.
- 3 Press [graphic] or  to highlight Select and press OK.
The Security code field appears.
- 4 Enter your security code and press OK.
The message Card ready for use appears.

Make a calling card call

To make a calling card call:

- 1 Enter the phone number, including any prefix (such as 0 or 1) your calling card might require when you make a calling card call. See your calling card for instructions.
- 2 Press and hold until your phone displays the message Card call, then Wait for tone and press OK again.
- 3 When you hear the tone from your calling card service, press OK.

Note: This procedure might not apply to all the calling card options that are programmed into your phone. Check your calling card for more information, or contact your long distance company.

• SEND YOUR OWN NUMBER IN CALLER ID

You can determine, for each call you make, whether your telephone number appears on another phone's caller ID.

In most service areas, when you call others, your name is presented to their caller ID (if they subscribe). With Send Own Number, you can block or send the display of your number when you make a call.

Note: Send Own Number might not be available in all wireless systems. Contact your service provider for details and availability. Also note that this feature is effective only when you call a number that is equipped with caller ID.

Before you can use Send Own Number, you must first store its feature code. Otherwise, this feature might not appear on your phone's menu.

Store the Send Own Number feature code

1 Press Menu 4 > 10 > 1 (Settings > Own number sending > Set by network).

The Feature code field appears.

2 Enter the feature code your service provider gave you and press OK.

3 Use [graphic] or  to scroll to Send own number and press Select.

Your phone calls the network to confirm the feature code that you entered in Menu 4 > 10 > 1. After the network confirms the feature code, Send Own Number is activated.

Set whether or not your number will appear

1 Press Menu 4 > 10 (Settings > Own number sending).

2 Scroll to On (to show your number) or Off (not to show it).

3 Press OK.

4 Enter the number you wish to call (or press Search to retrieve the number from the phone book), and press OK.

7

• SELECT A PHONE NUMBER

Your service provider programs, into your phone's memory, its phone number and system information when you first activate your phone. The number assigned to your phone provides service for only one service area.

However, your phone can be activated in up to three different service areas. For example, your phone could be activated in Dallas, Chicago, and New York. Each service area would assign a different phone number or account to your phone.

You must select a phone number for your home system, and if you travel outside your home system, you can choose another number.

Only one phone number can be active at a time.

Note: It might not be necessary to have up to three numbers for your phone if your service provider has service or roaming agreements for each area in which you wish to use your phone. Contact your service provider for details.

Select the phone number

- 1 Press Menu 4 > 11 (Settings > NAM selection).
- 2 Scroll to the phone number you want to use and press OK.

Note: The first phone number on this list is the currently selected number. You need at least one active number to make calls.

Select digital or analog

Your phone can work in both digital and analog modes. The default mode is both digital and analog, which appears on your phone as Digital & analog when you press Menu 4 > 6 > 2 (Settings > Network services > Digital / analog selection).

The menu options for choosing the mode you prefer are:

- Digital & analog
- Analog
- Digital

Note: This feature is available only for certain phones. Contact your service provider for more information.

This means that your phone uses both digital and analog voice channels. The phone always tries to find a digital voice channel first, but if a digital voice channel is not available, the phone looks for an analog voice channel.

• SET TOUCH TONES

Touch tones are sounds that are produced when you press the keys on your phone's keypad. Sometimes, touch tones are called DTMF tones, but this guide calls them touch tones.

You can use touch tones for many automated over-the-phone services such as checking bank balances and airline schedules and using your voice mailbox. Touch tones can be sent only when a call is active.

Set manual touch tones

- 1 Press Menu 4 > 3 > 2 > 1 (Settings > Phone settings > Touch tones > Manual touch tones).
- 2 Select one of the following options, then press OK:

Continuous	The tone sounds for as long as you press and hold a key.
Fixed	Sets the tone length to 0.1 second, regardless of how long you press a key.
Off	Turns off the tones. No tones are sent when you press a key.

Set touch tone length

You can also set the length of each touch tone. To do this:

7

- 1 Press Menu 4 > 3 > 2 > 2 (Settings > Phone settings > Touch tones > Touch tone length).
- 2 Use  or  to scroll to Short or Long. Short sets the tone length to .1 second.
- 3 .
- 4 .
- 5 .
- 6 .Long sets the tone length to .5 second.
- 7 Press OK.

Store touch tone sequences (strings)

You store touch tone strings the same way that you store names and numbers in your phone book. You can store an entire digit sequence and send it as touch tones for frequently used strings of numbers.

STORE TOUCH TONE STRINGS WITH PHONE NUMBERS

- 1 Enter the phone number that you want associated with a touch tone.
- 2 Press w or p where needed.
w (wait): When you dial this phone number, your phone first dials the number, then waits (because of the w character) for you to press Send. When you press Send, the phone sends your touch tone.
p (pause): If you include a p character instead of a w, your phone pauses for 2.5 seconds, then automatically sends your touch tone.
- 3 Enter the touch tone string.
- 4 Store the number as you normally would.

SEND A TOUCH TONE STRING

- 1 Press Menu 4 > 3 > 2 > 1 (Settings > Phone settings > Touch tones > Manual touch tones).
- 2 Make sure that the setting is not set to Off.
If it is, use  or  to scroll to one of the other options and

press OK.

7

- 3 Then, during your call, press Options, scroll to Touch tones and press OK.
- 4 Enter the touch tone string or recall the string from the phone book, and press OK.

Warning: If you send touch tones while in the analog mode, be careful not to send confidential information.

8

8 Use voice mail

Voice mail is a network services feature. Colleagues who miss you when they call can leave a voice message, which you can retrieve later.

• CHECK FOR MESSAGES

- Your phone beeps when you receive a voice message. Also, the message New voice message appears on your phone's screen, along with the [graphic] icon.
- If you have received more than one voice mail message, depending on your wireless network your phone may display the number of messages that you have received.

Note: To use voice mail, you need to learn the voice mail system's various greetings, passwords, and prompts. Your service provider can provide instructions.

• SET UP YOUR VOICE MAILBOX

As part of your network's voice mail feature, your service provider gives you a voice mailbox phone number. Save this number in your phone to make getting your voice messages quick and convenient.

- 1 Press Menu 1 > 9 > 2 (Messages > Voice messages > Voice mailbox number).
- 2 Enter your voice mailbox phone number.
- 3 Press OK.
 - Press Yes if you want to save a hidden voice mailbox password in your phone.
 - Press No if you don't.
- 4 If you selected Yes, enter your security code.
- 5 Press OK.

6 Enter your voice mailbox password and press OK.

Your voice mailbox number can be up to 32 digits long and is used until it's changed. Therefore, if your phone number changes, you may need to change your voice mailbox number along with it.

• SET GREETINGS AND PASSWORDS

These may vary in different wireless systems. If you need information about how to record your greeting or how to store your password, contact your service provider.

Note: If you store your voice mailbox password in your phone, the phone immediately sends the password after you dial your voice mailbox number.

• LISTEN TO YOUR VOICE MESSAGES

Note: The way you listen to your voice messages may vary depending upon your service provider. Call your service provider if you have any questions.

1 When your phone alerts you to new voice messages, press Listen and follow the instructions given on the phone.

2 If you'd rather listen to your messages later, press Exit.

3 To listen to your voice messages at a later time:

Press and hold .

OR

Press Menu 1 > 9 > 1 (Messages > Voice messages > Listen to voice messages).

The message Calling voice mailbox appears on the screen. Follow the prompts to access your messages.

9

9 Personalize rings & tones

- **WHAT IS A PROFILE?**

A profile is a “set of settings” you can use to customize the way your phone works. You can set your own preferences for these items:

- Ringing options
- Ringing volume
- Ringing tone
- Vibrating alert
- Keypad tones
- Warning & game tones
- Message alert tone

Your phone comes with seven profiles:

- Normal (default setting)
- Silent
- Meeting
- Outdoor
- Pager
- Car
- Headset

You can customize any of the profiles. If at any time you want to return to the original settings, you can do so.

- **SELECT A DIFFERENT PROFILE**

- 1 Quickly press the Power key.

2 Use  and  to move to the profile you want to use.

Profile names are highlighted (selected) as you scroll through them.

3 Press OK to select a profile.

Note: To select a different profile, your phone cannot be connected to a car kit or a headset, and your phone must be at the Start screen.

• CUSTOMIZE A PROFILE

1 Press Menu 3 (Profiles).

2 Scroll to the desired profile in the list.

Note: The Car and Headset profiles do not appear unless your phone is connected to these accessories. If you connect your phone to a car kit or to a headset, these profiles remain in the menu, unless you choose to restore your phone's factory settings.

3 Press Options to view the options for the selected profile.

4 Select one of the following options, then press OK.

Select	Activates the currently highlighted profile.
Customize	Enables you to customize a profile by changing the current settings. <ul style="list-style-type: none"> Press OK to choose from several lists.
Rename	Enables you to rename the profile. <p>This option does not appear in the Normal, Headset, or Car kit profiles.</p>

Note: When you change a setting in the current profile, it affects only that profile. Your phone's normal settings do not change.

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Set ring options

You can choose the tone that your phone uses to notify you of an incoming call. This setting does not affect any incoming text message alert tones.

- 1 Press Menu 3 (Profiles).
Your phone lists each profile.
- 2 Use  or  to scroll to the desired profile in the list for which you want to set the ringing options, and press Options.
- 3 Select Customize and press OK.
- 4 Scroll to Ringing options and press Select.
- 5 Scroll to one of the ringing options, as described below, and press OK.

Ring	The phone rings until it is answered.
Ascending	Ringing volume increases (gets louder) if the phone is not answered.
Ring once	The phone rings once to indicate an incoming call.
Beep once	The phone beeps once to indicate an incoming call.
Caller groups <?>	Sets the ring to a silent ring, unless a call comes from a number within a caller group. Use  or  to scroll to the desired caller group(s), then press Mark to select or Unmark to deselect them.
Silent	The phone makes no sound.

Set the ring volume

You can set the default ringing volume for incoming voice calls and message alert tones.

- 1 Press Menu 3 (Profiles).
- 2 Use  or  to scroll to the profile for which you want to set the ringing volume, and press Options.
- 3 Highlight Customize and press OK.
- 4 Scroll to Ringing volume and press Select.
- 5 Scroll through the options. When you hear the volume level you wish to use, press OK.

Note: As you scroll through the ringing options, you can listen to a sample of each. Although the ringing sample for level 4 and level 5 are the same, ringing level 5 will produce very loud ringing.

The ringing volume setting is stored individually for the handsfree car kit and the headset.

Set the ring tone

You can set your phone's ringing tone to a specific sound—or tune—for incoming voice calls.

Note: If you have already chosen a ringing option of either Silent or Beep once (Set ring options XREF), the ringing tones are already turned off.

- 1 Press Menu 3 (Profiles).
Your phone lists each profile.
- 2 Use  or  to scroll to the profile for which you want to set the ringing tones.
- 3 Press Options.
- 4 Scroll to Customize and press OK.
- 5 Scroll to Ringing tone and press Select.
- 6 Scroll through the options, and, when you hear the tone you want to use, press OK.

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Set a vibrating alert

Instead of choosing to have your phone ring, you can have it vibrate to indicate an incoming call.

- 1 Press Menu 3 (Profiles).
- 2 Use  or  to scroll to the profile for which you want to set the vibrating alert, and press Options.
- 3 Select Customize and press OK.
- 4 Scroll to Vibrating alert and press Select again.
- 5 Use  or  to scroll to On and press OK.

The phone does not vibrate when it is connected to or placed in any charging device.

Set keypad tones

Keypad tones set the volume of the tone you hear when you press your phone's keys.

- 1 Press Menu 3 (Profiles).
- 2 Use  or  to scroll to the profile for which you want to set the keypad tones, and press Options.
- 3 Select Customize and press OK.
- 4 Scroll to Keypad tones and press Select.
- 5 Use  or  to scroll to one of the levels and press OK. (If you choose Off, no keypad tones are heard.)

If you chose the Silent profile in step 2, the keypad tones are turned off.

Set warning and game tones

You can set warning tones and the tones used for the games in your phone.

Warning tones include the sounds your phone makes during error conditions, during confirmations, when a battery is low, and when you need to recharge the battery.

- 1 Press Menu 3 (Profiles).
- 2 Use  or  to scroll to the profile for which you want to set the warning tones, and press Options.
- 3 Select Customize and press OK.
- 4 Scroll to Warning and game tones, then press Select.
- 5 Scroll to On and press OK.

If you do not want to use warning or game tones, you can turn them off by scrolling to Off and pressing OK.

Set the message alert tone

You can set your phone to use a certain tone to indicate an incoming text message.

- 1 Press Menu 3 (Profiles).
- 2 Use  or  to scroll to the profile for which you want to set the message alert tone, and press Options.
- 3 Select Customize and press OK.
- 4 Scroll to Message alert tone, then press Select.
- 5 Use  or  to scroll through your choices.
The phone plays samples of each choice as you scroll to it.
- 6 When you find the tone you want, press OK.

Set your phone to answer automatically

You can set your phone to answer incoming voice calls after one ring. This feature can be used only when your phone is connected to a headset or to an approved handsfree car kit that is equipped with the ignition sense option, with the ignition on.

- 1 Press Menu 3 (Profiles).
- 2 Use  or  to scroll to either the Car or Headset profile and press Options.

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Note: Car and Headset do not appear unless your phone has already been connected to a car kit or headset at least one time.

- 3 Select Customize and press OK.
- 4 Scroll to Automatic answer and press Select.
- 5 Scroll to On and press OK.

Set the lights (car kit only)

While your phone is connected to a car kit, you can set the phone's lights two ways. You can either have the lights on only when you use the phone or have them on the whole time the phone is connected to the car kit.

This feature works only when your phone is connected to a car kit.

- 1 Press Menu 3 (Profiles).
- 2 Use  or  to scroll to Car and press Options

Note: Car does not appear in the list unless the phone is connected to a car kit.

- 3 Highlight Customize and press OK.
- 4 Use  or  to scroll to Lights and press Select.
- 5 Scroll through your choices, which are listed and described in the table below, and press OK.

Automatic	Instructs the phone to turn off the lights within 15 seconds if no keys are pressed.
On	Instructs the phone to leave the lights on the entire time that your phone is connected to the car kit.

- **RENAME PROFILES**

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- 1 Press Menu 3 (Profiles).
- 2 Use  or  to scroll to the desired profile and press Options.
- 3 Scroll to Rename and press OK.
- 4 Enter the new name and press OK again.

Note: You cannot rename the Normal, Headset, and Car kit profiles.

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10 Personalize phone settings

• SET THE DISPLAY LANGUAGE

You can set your phone to display a certain language.

- 1 Press Menu 4 > 3 > 1 (Settings > Phone settings > Language).
- 2 Use  or  to scroll to the language you want to use and press OK.

Your possible choices are American English, Canadian French, American Spanish, Brazilian Portuguese, Russian, Hebrew, Ukrainian and Chinese Traditional. Language options will vary depending on where you live. All of these languages may not be available in your phone.

• SET AND DISPLAY THE CLOCK

Your phone has an internal clock that you can set to appear on the phone's screen.

The clock is connected to an alarm clock. Refer to [Alarm clock](#) for more information.

Set the clock

To set the clock to the appropriate time:

- 1 Press Menu 4 > 2 > 1 (Settings > Time settings > Clock).
- 2 Use  or  to scroll to Set the time and press Select.

The Time field appears.

- 3 Enter the time using an 00:00 format and press OK.

For example, to set your clock to 9:30, enter 09:30. If you set the time format for 24-hour time, enter the number the same way: 09:30 or 23:12.

- If you set time format to 12-hour, use **[down]** or **[up]** to scroll to am or pm and press OK.

- If you set the time format to 24-hour, the time is set as soon as you press OK after adjusting the time. **10**

Display the clock

- 1 Press Menu 4 > 1 > 2 > 1 (Settings > Time settings > Clock > Show/Hide clock).
- 2 To display the clock, highlight Show clock and press Select/OK.

Select Hide clock if you wish to hide the clock once it is displayed.

Select the time format

You can change the way your clock shows the time, whether in 12-hour format (am/pm) or 24-hour format.

- 1 Press Menu 4 > 1 > 2 (Settings > Time settings > Clock).
- 2 Use [graphic] or  to scroll to Time format and press Select.
- 3 Use [graphic] or  to scroll to either 12-hour or 24-hour and press OK.

• ADD A WELCOME NOTE

You can set your phone to display a welcome note each time you switch on your phone. This note could say, for example: Hello. It could include your name, a reminder, or more. The maximum length of this note is 45 characters.

- 1 Press Menu 4 > 3 > 3 (Settings > Phone settings > Welcome note).
- 2 Enter the text of the welcome note.

As you enter characters, they appear to the left of the cursor. Press Clear to delete characters to the left of the cursor. Press [graphic] or [graphic] to move the cursor right or left.

- 3 Press Options.
- 4 Use [graphic] or [graphic] to scroll to Save and press OK.

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If you ever want to erase the welcome note, press Erase then OK. under the options menu.

• USE 1-TOUCH DIALING

You must store names and numbers in your phone book before you can use 1-touch dialing.

You can assign a name from the phone book to a 1-touch dial location, using your phone's keys 2 through 8. When you press the key, the associated number is automatically dialed.

- Key 1: The 1 key is used exclusively to dial your voice mailbox.
- Key 2: You can use the 2 key to dial a customer care operator (refer to "When you need to contact your service provider" XREF). You can overwrite this feature and assign a 1-touch dial location to the 2 key.

Set up a 1-touch dial key

- 1 Press Names and scroll to 1-touch dialing.
- 2 Press Select.
- 3 Use [graphic] or  to scroll to the first number that includes the message (empty) and press Assign.
- 4 Use [graphic] or  to scroll to the name and number to which you want to assign this key and press Select.
Repeat these steps as many times as necessary.
- 5 To call a number using 1-touch dialing, press and hold the appropriate key for a few seconds.
The phone dials the number.

Change 1-touch dialing numbers

After you have assigned 1-touch dialing numbers to a key, you can change key and number associations at any time.

- 1 Press Names.
- 2 Use [graphic] or  to scroll to 1-touch dialing and press Select.
- 3 Scroll to the key you want to change and press Options.
- 4 Scroll to Change and press Select.
- 5 Scroll through the phone book.
- 6 When you reach the new number, press Select.

Erase 1-touch dialing numbers

You can erase 1-touch dialing key assignments at any time.

- 1 Press Names
- 2 Use [graphic] or  to scroll to 1-touch dialing and press Select.
- 3 Scroll to the key you want to erase and press Options.
- 4 Scroll to Erase and press Select.
- 5 Press OK.

• RESTORE FACTORY SETTINGS

You can change the default (factory) settings for your phone. Later, you can return them to the original settings when needed.

Note: The memory, timers, language selection, security code, and lock codes are not reset. However, any profiles you have modified are reset when you restore your settings.

- 1 Press Menu 4 > 2 > 4 (Settings > Phone settings > Restore factory settings).
- 2 Enter your security code and press OK.

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11 Manage phone security

Your phone is equipped with a versatile security system that prevents the unauthorized use of the phone.

You cannot activate or use certain phone features without having first successfully entered your phone's security code.

- The default security code is 12345.
- Nokia highly recommends that you immediately change this code. Then, write down and store the new code in a safe place, away from your phone.

When entering your security code, a * appears on the screen each time you press a number key. This prevents others from seeing your code.

If you incorrectly enter a security code five times in a row, your phone won't accept any entries for the next 5 minutes. However, if you realize that you've entered the code incorrectly before pressing OK, you can use Clear <?> to erase the code, digit by digit, beginning with the last digit.

When this guide describes an action that requires the entry of your security code, each step necessary to this action is provided.

• CHANGE YOUR SECURITY CODE

- 1 Press Menu 4 > 3 > 2 > 4 (Settings > Security settings > Access codes > Change security code).
The Security code field appears.
- 2 Enter the default security code and press OK.
- 3 At the message Enter new security code, enter your new security code and press OK.
- 4 At the message Verify new security code, enter your new security code again and press OK.

The message Security code changed appears.

If you have changed your security code and don't remember the new code, contact your service provider. Once you have changed your security code, the default setting is no longer valid.

• PROTECT YOUR PHONE WITH THE LOCK CODE

The lock code enables you to activate and deactivate your phone. When the lock code is on, you cannot access most of your phone's memory or menu features. Also, you cannot make phone calls without first entering the lock code.

Note: You can save an unlocked phone number and make calls to that number without entering the lock code. Refer to "Store an unlocked phone number" for more information.

With the lock code on, your phone locks when you switch it off. The next time you switch your phone on, it asks you for a lock code when you press either Names or Menu.

Note: If you enter an incorrect lock code five times in a row, your phone prompts you for the security code.

- The default lock code is 1234.
- Nokia recommends that you change this code immediately.

Turn on the phone lock

- 1 Press Menu 4 > 3 > 2 > 1 (Settings > Security settings > Access codes > Phone lock).
- 2 Enter the lock code and press OK.
- 3 Scroll to On and press OK again.

When your phone is locked, it might be possible to place a call to the emergency number programmed into your phone, such as 911 or any other official emergency number. You can either dial this emergency number or press the emergency key 9 (if you have activated the 9 key to act as an emergency key).

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Store an unlocked phone number

You can store a number in the unlocked phone number location. This allows you to call the number even though your phone is locked.

- 1 Press Menu 4 > 3 > 2 > 2 (Settings > Security settings > Access codes > Unlocked phone number).
- 2 Enter the lock code and press OK.
The Number field appears.
- 3 Enter a phone number or press Search and scroll through the phone book until the number you want to store appears.
- 4 Press OK or Options.
- 5 Scroll to Save and press OK.

Call an unlocked phone number

- Press  or <down arrow> once, then <Talk>.
- OR
- Manually enter the phone number and press <Talk>.

Answer a call while using a lock code

- To answer a call while using a lock code, press any key except <End> and <Power>.

Change your lock code

- 1 Press Menu 4 > 3 > 2 > 3 (Settings > Security settings > Access codes > Change lock code).
The message Enter lock code appears. 
- 2 Enter the lock code and press OK.
Only numeric characters are accepted.
- 3 Enter the new lock code and press OK.
- 4 Verify the new lock code, and press OK.

When you change your lock code, make sure you store it in a safe place, away from your phone. Avoid entering access codes similar to emergency numbers to prevent accidental emergency calls.

Turn off the lock code

- 1 Press Menu 4 > 3 > 2 > 1 (Settings > Security settings > Access codes > Phone lock).
- 2 Enter the lock code and press OK.
- 3 Scroll to Off and press OK again.

With the lock code feature turned off, you can use your phone without having to enter the lock code each time you turn your phone on.

• LOCK THE KEYPAD

When you lock the keypad, you prevent accidental key presses—for example, when your phone is in a pocket or purse. This feature is called keyguard.

Activate keyguard

There are three different ways to activate the keyguard:

At the Start screen:

- Press and hold **[End]**.
- Press Menu > **[*+]**.
- Press Menu 9 (Keyguard).

When keyguard is turned on, you might be able to make calls to the emergency number that is programmed into your phone. For example, you could dial 911 and press .

Note: Keyguard is automatically turned off when the phone is connected to a car kit.

Deactivate keyguard

- Press **Unlock** and then press **OK**.

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Answer a call while keyguard is active

During an incoming call, the keypad automatically unlocks.

- Press **[Talk]** to answer the call.
After you end the call, keyguard automatically becomes active again.
- Press the Power key to quickly switch the lights on for 15 seconds.

• RESTRICT CALLS

You can restrict incoming and outgoing calls. To restrict outgoing calls, you create a list of restrictions and apply the appropriate restriction.

Before you define restrictions for outgoing calls, only one restriction option is available: **Add restriction**. You can create your own list of outgoing call restrictions. The maximum number of call restrictions you can define is ten.

After you have used the **Add restriction** option to add at least one restriction, the following options are then available:

- **Select**: Allows you to select call restrictions from the outgoing calls list.
- **Edit**: Allows you to edit an existing outgoing call restriction.
- **Erase**: Erases any existing outgoing call restrictions.

When calls are restricted, you might be able to make calls to the emergency number that is programmed into your phone. For example, you could dial 911 and press **<Talk>**. However, emergency key 9 might not work, depending on the type of restriction you choose.

Restrict outgoing calls

- 1 Press Menu 4 > 3 > 1 (Settings > Security settings > Restrict calls).
- 2 Press Select.
- 3 Enter your security code and press OK.
- 4 Scroll to **Add restriction** and press OK.

- 5 Enter the number you want to restrict and press OK.

Example: If you want to restrict all calls that begin with 1, enter 1. This will restrict all outgoing long distance phone calls. If you want to restrict all calls that begin with 972, enter 972, and so forth.

After step 5, the Name field appears.

- If you want to add a name for the call restriction, enter the name using your phone's keypad and press OK.
- If you don't want to add a name, simply press OK.

Restrict incoming calls

- 1 Press Menu 4 > 3 > 1 (Settings > Security settings > Restrict calls).
- 2 Use <up arrow> or <down arrow> to scroll to Restrict incoming calls, and then press Select.
- 3 Enter your security code and press OK.
- 4 Scroll to All calls and press Mark.
- 5 Press Unmark to remove an already-set restriction.
- 6 Press Back.

The Save changes? message appears.

- 7 Press Yes.

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12 Manage prepaid services

Some service providers offer prepaid cellular services. With prepaid services, you can purchase cellular service time (air time) in advance. When you've used the amount of time you purchased, you can restore (replenish) the balance with another advance payment.

Service providers that offer prepaid services maintain access numbers that you can use to check your balance and add money to your account.

- Contact your service provider to see if prepaid service is available and to subscribe to the service.

When the service is activated, your phone's screen shows the message Prepaid menu enabled.

• ACTIVATE THE PREPAID MENU

The Prepaid menu on your phone makes it easy to manage your prepaid account. You can easily check your account balance and replenish (add money) to your account.

Before you can use the prepaid menu, you must activate it and enter your access phone numbers.

??? The phone returns to the Prepaid menu. The Prepaid menu is the last item in your phone's menu listing. It is easy to access by pressing Menu and .

When Prepaid menu is active, it replaces Keyguard as menu item 9. Keyguard function is available (see page X).

• DEACTIVATE THE PREPAID MENU

You deactivate the Prepaid menu by contacting your service provider. Once deactivated, the confirmation screen Prepaid menu disabled appears and the phone returns to the start screen.

• SAVE ACCESS PHONE NUMBERS

After you have activated the Prepaid menu, you need to save the access phone numbers used to check the balance and add money to your account. After you save these numbers, you can use these services through the Prepaid menu. Contact your service provider for the access numbers.

- 1 Press Menu > <??> and then press Select.
- 2 Select Save access phone numbers.
When asked for the balance number, enter the phone number given to you by your service provider.
- 3 Press OK.
- 4 When asked for the replenish number, enter the phone number given to you by your service provider.
- 5 Press OK.

• CHECK THE PREPAID BALANCE

- 1 Press Menu > <??> and then press Select.
- 2 Select Check balance.
- 3 Listen to the audio notification of the balance of your prepaid account.
- 4 Press <End> to end the call.

• ADD MONEY TO YOUR PREPAID ACCOUNT

To add money to your prepaid account, you need a prepaid card. Contact your service provider for prepaid card availability.

- 1 Press Menu > <??> and then press Select.
- 2 Select Add money to account.
- 3 When asked for the prepaid card number, enter the number on your

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prepaid card.

- 4 Listen for a message, then press **OK**.
- 5 Wait for notification, then press **<End>**.

If the operation was not successful, you need to restart from step 2.

• CHECK PREPAID BALANCES

Low balance: A *low balance* on your prepaid account is indicated by an audio message before or during a call. This message from the service provider may be repeated several times. Contact your service provider for details.

Zero balance: A *zero balance* on your prepaid account during a call ends your call. A zero balance before a call prevents both incoming and outgoing calls. You may hear a message about your zero balance when you try to make a call.

• MAKE CALLS USING PREPAID SERVICE

- 1 Dial the number you want to call.
 - If the account is active with a positive balance, the call is connected. You may hear a message about your prepaid account balance.
 - If the account is active with a zero balance, the call is not connected. You may hear a message saying that you have a zero balance on your account.
 - At the end of the call, you may hear a message about the current balance on your account.
- 2 Press **<End>** to end the call.

13 Set network services features 13

You can subscribe to various network services whose availability depends on your service provider. Your phone supports the network services listed here. These services are not available from all providers or in all areas.

- Voice privacy
- Call waiting
- Call forwarding
- Sending own number

Feature code: When you subscribe to any of these services, your service provider gives you a *feature code* that activates each service. Deactivation codes are used to deactivate each service. After you store the appropriate code, your phone sends the code to the network to verify that you're using the correct feature code.

Menus for network features: Menus for the services described here appear on your phone only after you've stored the appropriate feature code. You can use these menus to activate and deactivate the network services.

Voice privacy: The voice privacy feature does not require you to store a feature code before using it.

More than one number? If your phone has more than one phone number assigned to it, any stored feature codes apply only to the primary phone number.

• SET UP HOW YOUR PHONE SELECTS A SYSTEM

Your phone can operate in residential, private, and public systems (such as your home system). You can choose how your phone selects a network to use. Your phone may not show the options described here. For information, contact your service provider.

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Set up the way your phone selects a network

1 Press Menu 5.

You see the following three options.

Automatic: Your phone automatically searches for available networks and chooses the appropriate one. Every time you turn on your phone, it resets to **Automatic**.

Manual: The phone searches for networks and then shows a list of all the possible networks on your phone's screen. Next to each network, one of the following appears: **Available** or **Not available**. If a network is designated as **Not available**, you cannot use it.

New Search: Your phone begins a new search for both private and residential systems. When it finds the best system available, the phone shows the system name. You can select this system or start another search by pressing **Next**.

2 Use  or **[down]** to scroll through the choices, and press **OK** when you see the system you want.

If you have two phone numbers, you can use the **Manual** and **New search** options only with your primary phone number.

Switch between private and public systems

1 Press and hold **Menu** while you are not in a call.

Your phone displays the message **Search public systems?**

2 Press **OK**.

Your phone uses the public system for the next (and only the next) outgoing call. After you complete this call, your phone returns to automatic system selection.

Select a public system

When you take your phone outside its home system, the phone is said to be *roaming*. The phone can search for home-type systems (that is, systems of the same type as your home system). Or, the phone can search for non-home-type systems.

Note: The options described here may not be available for your phone. See your service provider for information.

Your service provider programs a list of preferred systems into your phone. These are systems with which your service provider has roaming agreements. Your phone looks for these systems when you're roaming.

- 1 Press Menu 4 > 5 > 7 to tell your phone how to choose a public system (network).

Your selection remains active until you change it.

- **Any system:** When service is not available in your home system, the phone searches for a preferred system of either type and then searches for a home-type system. Then it searches for a non-home-type system. The search continues until your phone finds a system that can be used.
- **Home type:** When service is not available in your home system, the phone searches for a home-type system first. However, if a non-home-type system is found, then your phone will use this system.
- **Nonhome type:** The phone searches for a non-home-type system only. The home-type system is not used.
- **Home only:** The phone uses only its home system. It will not roam.

- 2 Scroll to the option you want and press OK.

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• USE YOUR PHONE ON THE ROAD

When your phone is outside its home area, the phone is said to be *roaming*. Calls made or received while you are roaming usually cost more than calls made in your home area.

- When your phone begins roaming, the phone beeps once and may show the word ROAM on the phone's screen, depending on how roaming works with your phone.
- When your phone is not roaming, it either shows the word HOME or the name of your service provider.
- When you're roaming in some systems outside your home area, the system in which you're traveling (the host system) may not recognize your phone. You may not be able to place a call.

Contact your service provider for more specific information on how roaming works with your phone and for information about coverage limitations.

14 Communicate with text messages

You can use your phone to send and receive short text messages if your service provider offers the message feature and if you subscribe to the service. You can also send and receive messages that contain a person's name and number (a "business card").

• ABOUT TEXT MESSAGES

Message recipients: The phone to which you send a text message must support text messages. Or, you can ask the service provider to convert the message to other formats, such as e-mail.

Message length: The maximum length of a received text message is 160 characters. Your phone has space for up to 80 text messages, depending on the length of each message.

Network variations: The maximum length of a text message depends on the capabilities of the network from which the message originated. Also, text messages may appear different at different times because messages can originate in networks other than your own.

Contact your service provider for more information about text message services.

• WRITE WITH STANDARD TEXT ENTRY

You can write a message two ways: using standard (ABC) text entry or using predictive text. Standard text entry is the default method for text entry. The ABC icon <ABC icon> appears as visual confirmation that you're using this method.

- 1 Find the key that shows the letter you want to enter.
- 2 Press the key as many times as needed for the letter to appear on the

For example, to enter the name *John*:

What you press	What you see	Result
Press <5>	J	J
Press <6> <6> <6>	M > N > O	O
Press <4> <4>	G > H	H
Press <6> <6>	M > N	N

• WRITE WITH PREDICTIVE TEXT

With *predictive text*, you need to press each number key only once for each letter. The phone “interprets” what you’re writing.

The word shown on the screen changes after each key stroke (as shown in the example that follows). Since it’s easy to get confused, you should try to disregard the word until you have entered all the characters.

Example: To write *Nokia* with the English dictionary selected:

What you press	What you see
Press <6>	o
Press <6>	on
Press <5>	mol
Press <4>	onli
Press <2>	Nokia

Keys and tools for predictive text

Key	Purpose
Keys with letters	Use for word entry. Press each key only once for each letter.
<*+>	Press to view the next matching word if the underlined word is not the word you intended. To change the underlined word, press <*+> repeatedly until the word you want appears.
Spell	If the dictionary sees a word it doesn't recognize, you see Spell above the left selection key. Press Spell, enter the word you want to enter, and press OK.
<0_>	Press once to accept a word and add a space.
<#^>	Press and hold to enter a number. <123 icon> indicates 123 mode. Press and hold again to write text letters.
Clear	Press once to delete the character to the left of the cursor.
<1>	Press once to add a punctuation mark.
<#^>	Press once quickly to switch the character case. <ABC icon> indicates uppercase. <abc icon> indicates lowercase.
160	Maximum number of characters available. The character counter appears in the top right corner of the screen and counts down for each character you add.

Turn on predictive text input

- 1 Press Menu, then Select.

- 2 When Text messages appears, press Select.
- 3 Scroll to Write message and press Select.
- 4 Enter a character using the keypad.
- 5 Press Options, scroll to Dictionary and press OK.
- 6 Scroll to the dictionary you want (for example, English).
- 7 Press OK.

T9 dictionary activated appears. ("T9" is the technical name for predictive text input.) This means you can use predictive text method to enter messages. In the text message window where you write, the predictive text icon <T9 icon> appears.

Turn off predictive text input

- 1 Repeat steps 1 through 7 in "Turn on predictive text input."
- 2 Scroll to Dictionary off and press OK.

Tips for predictive text

- 1 To insert a symbol, press and hold <*+>. The symbol screen appears, showing the following characters:
. , ? ! : ; - + # * () ' " _ @ & \$ % / < > =
- 2 Scroll to the symbol you want and press Insert.

When you've finished writing, make sure the underlined word is the word you intended to write.

If the word is correct:

- Insert a punctuation mark, if needed.
- Press <#^> to confirm the change and enter a space.
- Start writing the next word.

If the word is not correct:

- Press <*+> repeatedly until the word you want appears, then press <0_> to confirm it.

OR

- Press Options, scroll to Matches, then press OK. Scroll to the correct word and press Use.
- Start writing the next word.

When you enter a period to end a sentence, the phone switches to <ABC> mode so the first letter in the next word will be uppercase (a capital letter).

Add a word to the match list

If the ? character appears after a word, the word you intended to write is not in the dictionary. You can add the word to the dictionary.

- 1 Press Spell and enter the word(s) using standard text entry.
- 2 Press OK to save the word(s).

Insert numbers

- 1 To add a number to the message, press and hold <#^> until <123 icon> appears.
- 2 Enter the numbers you want, then press and hold <#^> to return to ABC mode.

Insert symbols

- 1 To put a symbol in the message, press Options and scroll to Insert symbol (or press <*+> and scroll to the symbol you want).
- 2 Select the symbol you want (use the scroll keys to move through the symbols) and press Insert.

Write compound words

- 1 Write the first part of the word and press <0_> to accept it.
- 2 Press Clear once to remove the space.
- 3 Write the last part of the compound word and press <0_> to enter the word in memory.

14 • USE FOLDERS TO STORE TEXT MESSAGES

Your phone has four folders for managing text messages.

Inbox: The Inbox is where your received messages are stored. Messages will remain in the Inbox until you delete them or save them to the Archive folder.

Outbox: The Outbox is the folder where your created, sent and forwarded messages are stored.

Archive: The Archive folder is for storing messages you wish to save.

Templates: The Templates folder is a folder for storing message templates that you create.

• WRITE AND SEND A TEXT MESSAGE

1 Press Menu 1 > 1 (Messages > Messages > Write message).

The message screen appears.

2 Enter a message of up to 160 characters.

To learn how to enter text quickly, refer to "Write with predictive text input."

3 When you've finished writing, press Options, scroll to Send, then press OK.

4 Enter or recall the recipient's 10-digit phone number, then press Send.

Sending message appears. When the message is successfully sent, Message sent appears.

If you need to exit while writing the message, press <End> at any time. Later, press Menu 1 > 1 > 3 to return and finish writing the message. If you turn off the phone without saving the message, the message will be lost.

• SAVE A MESSAGE IN THE SAVED FOLDER

When you write a text message, it's a good idea to save it in the saved folder. Then if there is a message delivery problem, you can easily resend the message.

- 1 While writing the message, press Options.
- 2 Scroll to Save, then press OK.

• RESEND A MESSAGE FROM THE OUTBOX

A message in the outbox shows one of two icons:

- The <blank note icon> icon shows that you have attempted to send the message to the text message center.
- The <envelope icon> icon shows that you have not yet tried to send the message.

- 1 Scroll to the message, then press Read.
- 2 Press Options.
- 3 Scroll to Forward, select As a message, and press OK.
- 4 With Send highlighted, press OK.
- 5 Enter or find the number to which you want to send the message, then press Send.

• RECEIVE A TEXT MESSAGE

When you receive a text message, the phone plays a message alert tone and the text message icon <icon> appears, along with one of the following messages:

- **Message received:** Means that you have an unread message or page. If you have more than one message or page, the appropriate number is listed before this message.

When you receive the above message along with another message

call, followed by a name or number, the message is a page. Only the names of people who are stored in your phone book appear.

- **New emergency message:** Means that an emergency message or page was sent by someone via the service provider. Emergency messages are sent only in situations where life or property are in immediate danger. Emergency messages are listed first and override all other messages.
- **Urgent:** Means the message has a high priority.

• READ A TEXT MESSAGE

- 1 Press Read.

This takes you to the inbox, where the new message is selected.

- 2 Press Read again to read the message.

- 3 Press Options for a list of choices you have while reading the message (see the list following this section).

- 4 Press OK when the option you want is highlighted.

In your inbox, text messages are shown in the order in which they were received, unless one is an emergency message. An emergency message overrides any other message and appears first.

Choose options for a message

When you press Options while reading a message, the following choices are available.

Read next	Takes you to the next message.
Erase	Erases the current message.
Save	Saves this message in the Saved folder.

Call back	Calls the person who sent you the text message, if their phone number is included in the message. You can also press <Talk> while the message is displayed to dial the number. If more than one number is on the screen, the numbers appear in a list. Scroll to the phone number you want to call and press <Talk>.
Forward	Forwards the call to another person. That person must have the appropriate message service.
Reply	Provides a screen where you can write a reply.

• WHEN YOUR PHONE'S MEMORY IS FULL

When your phone's message memory is full, one or more messages of the lowest priority are automatically deleted. These messages are usually deleted from your phone's outbox. An incoming emergency message could force a deletion from your phone's Saved folder.

- If after deleting messages the memory is still full, your phone shows the message No space: message waiting. The <text message envelope icon> blinks.
- Clear the notification by pressing OK.

• ERASE A MESSAGE

- 1 While reading a message, press Options.
- 2 Scroll to Erase, then press OK.
Your phone asks you to confirm that you want to erase the message.
- 3 Press OK.

14 • REPLY TO A MESSAGE

- 1 While reading a message, press Options.
- 2 Scroll to Reply, then press OK and choose whether your message will be sent as a text message or as e-mail.
- 3 Enter your message, then press Options.
- 4 Scroll to Send, then press OK.
The phone shows the return number.
- 5 Edit the number if needed, then press Send.

• FORWARD A MESSAGE

- 1 While reading a message, press Options.
- 2 Scroll to Forward, then press OK and choose whether your message will be sent as a text message or as e-mail.
- 3 Press Options, or edit the message and press Options.
- 4 Scroll to Send, then press OK.
- 5 Enter or find the recipient's phone number, then press Send.

• SEND AND RECEIVE E-MAIL MESSAGES

You can use your phone to send and receive e-mail messages. This means you no longer need to be at your computer to send or receive messages. The e-mail feature is not available from all service providers.

Save e-mail addresses

You can add an e-mail address to a name you've already saved in the phone book. Or, you can add a name and address as a new entry.

SAVE AN E-MAIL ADDRESS FOR AN EXISTING NAME

- 1 At the Start screen, press Names and then, at Search, press Select.
The Names box opens.

- 2 Enter the first two letters of the name you want to find and press OK.
- 3 Press Options (or press Details if the Name list view is selected in your phone book), scroll to Email address, and press Select.
The e-mail address box opens.
- 4 Enter the address.
Press <1> once for a dot (.) Press <1> repeatedly to insert an @ sign.
Press OK when you see the character you want to insert.
- 5 When you've finished entering the address, press OK.
The message Saved appears briefly, confirming your action.

ADD A NEW E-MAIL ADDRESS

- 1 At the Start screen, press Names, scroll to Add new, and press Select.
The Names box opens.
- 2 Enter the name and press OK.
The Number box opens.
- 3 Enter the phone number and press OK.
The message Saved appears briefly, confirming your action.
- 4 Press Options, scroll to Email address, and press Select.
The e-mail address box opens.
- 5 Enter the address, using <1> to insert the "dot" (.) and @ signs.
- 6 Press OK.
The message Saved appears briefly, confirming your action.

CHANGE (EDIT) AN E-MAIL ADDRESS

- 1 Follow steps 1 through 3 in "Save an e-mail address for an existing name" (earlier in this section) to find the name whose e-mail address you want to edit.
- 2 Enter any changes, using <up arrow> and <down arrow> to move the insertion point backward and forward in the address.

- 3 When the address is the way you want it, press OK.

The message Saved appears briefly, confirming your action.

Send an e-mail message

- 1 At the Start screen, press Menu and then, at Messages, press Select.
- 2 At Text messages, press Select, scroll to Write email, and press Select again.

The e-mail address box opens. If your phone asks for an e-mail gateway number, contact your service provider.

- 3 Enter the e-mail address, or press Search.
 - If you press Search, enter the first few letters of the name you want and press OK when you find the name. The address appears in the Recipient address box. Press OK.
 - The phone lists all the names from your phone book. If you select a name for which there is no e-mail address, your phone shows the message, No e-mail address for this name.
 - If you enter the e-mail address, press OK when you've finished.

The Subject box opens.

- 4 Enter a subject and press OK.

The subject line can hold a maximum of 26 characters. You can leave the line blank if you wish.

- 5 When the message screen appears, enter your message.

The maximum number of characters for message length varies; check with your service provider for details.

You can turn on predictive text input if you wish. For information, see "Write with predictive text input."

- 6 When you've finished the message, press Options, select Send, and press OK.

A status message tells you the mail is being sent.

Other options for a completed message

Save	Saves the message in the saved folder until you send it.
Erase	Erases the message and returns you to the Recipient address box
Quit	Erases the message and returns you to the Start screen.

• REPLY TO OR FORWARD AN E-MAIL MESSAGE

- 1 If the message is not on the screen, press Menu > Message > Text messages > Inbox (Menu 1 > 1 > 1).
- 2 Select the message you received and press Read.
- 3 Press Options, scroll to Forward or Reply, and press OK.
- 4 Scroll to As email and press Select.
If your phone asks for an e-mail gateway number, see your service provider.
- 5 Enter the recipient's e-mail address or press Search to find the name.
 - If you press Search, enter the first few letters of the name you want and press OK when you find the name. The address appears in the Recipient address box. Press OK.
 - The phone lists all the names from your phone book. If you select a name for which there is no e-mail address, your phone displays the message, No e-mail address for this name.
 - If you enter the e-mail address, press OK when you've finished.
- 6 Enter a subject line and press OK.
The subject line can hold a maximum of 26 characters. You can leave the line blank if you wish.
- 7 When the message box opens, write your reply or any message you want to add when you forward the mail.

You can turn on predictive text if you wish. For information, see "Write with predictive text input."

- 8 When you've finished your message, press Options, scroll to Send, and press OK.

• CHAT WITH OTHER PHONE USERS

You can have a conversation with another person using text messages. You can start by using the Chat menu or by selecting the Chat option while you're reading a received message.

- 1 Enter the other party's phone number or recall it from the phone book and press OK.
- 2 Enter a nickname for the chat session (see Writing text) and press OK.
- 3 Write your chat message, press Options, and press Send.
The reply from the other party is shown above your original message.
- 4 Press OK to clear the screen and reply to the message.
- 5 To view the previous message or edit your nickname, press Options and select Chat history or Chat name.

15 Use special features

• SEND AND RECEIVE BUSINESS CARDS

Your phone can send or receive electronic business cards consisting of a name and phone number. You can save received business cards in your phone book.

Send a business card

- 1 Find the name in your phone book.
- 2 Press Options and scroll to Send bus. card.
- 3 Press Select.
- 4 Enter or recall the phone number to which you want to send the business card, and press Send.

View a received business card

When you receive a business card, the phone shows the message Business card received.

Note: If you press Exit at any time before you save the business card, the business card is deleted (erased).

- 1 When your phone shows Business card received, press Options Show is selected.
- 2 Press OK.
- 3 Scroll through the available information.

Save a viewed business card

- 1 After viewing the business card, press Back, scroll to Save, then press OK.
- 2 When asked for a name, edit the name if you want to, then press OK.
- 3 When asked for a number, edit the number if you want to, then press

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OK.

Delete a viewed business card

- After viewing the business card, press Back, then press Exit.
OR
- Press Discard, then press OK.

• DOWNLOAD RINGING TONES

You can download (transfer) up to five ringing tones to replace the personal entries in your list of tones. *Ringing tones* can be ringing sounds or short tunes. For details about this network service, contact your wireless service provider.

Note: If you press Exit at any time before you save the ringing tone, the ringing tone will be deleted.

Receive a ringing tone

If you have this service and your phone receives a downloaded ringing tone, your phone shows the message Ringing tone received.

- 1 Press Options.
Playback is selected.
- 2 Press OK.
The phone plays the ringing tone.

Save a received ringing tone

- 1 If you want to save a ringing tone after you've listened to it, press Back.
- 2 Scroll to Save tone, then press OK.
- 3 Choose which ring tone you want to replace—either an empty personal placeholder, if any are remaining, or a previously downloaded tone.

- 4 Press OK.

The phone saves the new tone in the list of ring tones.

Discard received ringing tones

You can discard a ringing tone if you don't want to save it.

- Press **Exit**.

OR

- Scroll to **Discard tone**, then press **OK**.

• USE THE ALARM CLOCK

The alarm clock is based on the time settings in your phone's clock. You can set the alarm clock to ring at any time, even if your phone is turned off.

- The alarm clock's volume is determined by the phone's current volume and tone settings.
- If you have selected the **Silent** or **Beep once** ringing tone, the alarm clock quietly beeps once.

Warning: Do not switch on the phone where wireless phone use is prohibited or where it might cause interference or danger. Even if you are merely setting the clock, your phone is active when it's on.

SET THE TIME

- To set the time, see "Set and display the clock."

SET THE ALARM CLOCK

- 1 Press Menu 4 > 2 > 2 (Settings > Phone settings > Alarm clock).

The **Set alarm time** message appears.

- 2 Enter the time for which you want to set the alarm and press **OK**.

Use the hh:mm format (03:40, for example). The alarm clock replaces any existing numbers with the new time.

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- 3 Select either am or pm.

The am and pm options appear only if you've chosen the am/pm format for the clock.

- 4 Press OK.

The Alarm on message appears.

TURN OFF THE ALARM CLOCK WHEN IT RINGS

When the alarm clock rings:

- Press Stop to turn it off. The phone asks if you want to keep the phone on. Press Yes or No. If you select Postpone, the phone will stay off until the next alarm time.
- Press Snooze to set the alarm to go off again in 10 minutes.

If you let the alarm ring for 1 minute or more without pressing a key, it stops ringing, waits 10 minutes, and then rings again. This continues until you press Stop.

If you have selected the Silent or Meeting profile, the alarm beeps only once. The best profile to use with the alarm clock is Normal or Outdoor, unless these profiles have been modified from their original settings.

TURN OFF THE ALARM CLOCK ALTOGETHER

If you want to turn the alarm clock completely off:

- 1 Press Menu 4 > 2 > 2 (Settings > Phone settings > Alarm clock).
- 2 Use  or <down arrow?> to scroll to Off and press OK.

• USE THE CALCULATOR

Your phone's calculator adds, subtracts, multiplies, divides, and converts currencies.

- 1 Press Menu > Calculator (Menu > 7).
- 2 Enter the first number in the calculation.

To enter a decimal point, press <#^> to add the decimal point.

3 Based on the type of calculation that you need to perform, use one of the following actions:

If you want to...	...Do this
Add	Press * (for + symbol)
Subtract	Press ** twice (for - symbol)
Multiply	Press *** (for * symbol)
Divide	Press **** (for / symbol)

Or, you can press Options and then use  or <down arrow> to scroll to: Equals, Add, Subtract, Multiply, Divide, To home, To visited, or Exchange rate.

4 Press OK.

5 Enter the second number in the calculation and press Options.

You can repeat steps 4 and 5 as many times as necessary. Press Clear to erase any mistakes.

6 Use  or <down arrow> to scroll to Equals and press OK.

Convert currency

You can use the calculator to first set the exchange rate and then to calculate the exchange rate.

SET THE EXCHANGE RATE

- 1 Press Menu > Calculator (Menu > 7), then press Options.
- 2 Use  or <down arrow> to scroll to Exchange rate and press OK.
- 3 Select the exchange rate: How many home units to a visited unit, or How many visited units to a home unit.
- 4 Press OK.

The exchange rate box opens, with the number 1.

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- 5 Enter the appropriate number and press OK.

The number 1 is overwritten by the number you entered. To enter a decimal point, press <#^>.

- 6 Press OK.

The Rate saved message appears.

CALCULATE CURRENCY USING THE EXCHANGE RATE

- 1 Press Menu > Calculator (Menu > 7).
- 2 Enter the number of units for the exchange rate.
- 3 Press Options and scroll to To home or To visited.
 - To home converts visited units of currency to home units using the exchange rate.
 - To visited converts home units of currency to visited units using the exchange rate.
- 4 Press OK.

16 Use Infrared

Use the Infrared menu (<Menu ?>) to activate communications between your phone and other devices through its infrared (IR) port.

To connect via IR, the device with which you want to connect must be IrDA compliant.

Your Nokia phone is a Class 1 Laser Product.

Note: The preferable distance between the two devices in infrared connection is a range of 3 inches to three feet maximum. There must be no obstructions between the two devices and the IR ports of the two devices have to be pointing at each other.

• SENDING AND RECEIVING DATA

Your phone has the ability to send and receive certain types of data via the infrared port; no additional cable or software is needed.

You can send and receive phone book entries (business cards), and reminder notes via IR. Transmission/reception must be to/from a compatible phone or device (for example, another phone, computer or handheld device).

LEARN ABOUT SENDING OR RECEIVING VIA IR

- 1 Ensure that the IR ports of the two devices are pointing at each other.
- 2 IR must be activated via the IR menu prior to sending or receiving.
- 3 The user of the sending device selects the desired IR function to start data transfer.

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.

Check the status of an IR connection

The status of an IR connection is indicated by [graphic].

- When [graphic] is shown continuously, there is an IR connection

between your phone and the other device.

- When [graphic] is not shown, no IR connection exists.
- When blinks, your phone is trying to connect to the other device or the connection has been lost.

Other types of IR connections

You can also establish a 2-way connection between your PC or laptop computer and your phone via infrared. With this type of connection, your phone can:

- function as an external modem connected via IR. Use your existing data software (Dial-up Networking, AOL, etc.) or fax software (WinFax Pro, HotFax, etc.) to send and receive faxes, connect to the Internet, or check e-mail. For more information, see [<the website for the PC connectivity information>](#).
- synchronize its phone book and reminders with some of the most popular Personal Information Manager (PIM) programs on the market (Outlook, ACT!, Lotus Organizer, Gold Mine, etc.). Use the FoneSync application found on [<the Nokia website>](#) in conjunction with your existing PIM application to keep all of your information up-to-date.

Phone book

Your phone can transmit its phone book information using the industry standard v.card format via its infrared (IR) port. "Business cards" (v.cards) can be sent to another phone, a PC (running the appropriate software) or other IR-equipped handheld devices (such as Palm™, and Psion Series 5™).

SEND A BUSINESS CARD TO ANOTHER DEVICE

Note: Make sure that the other phone or device is set to receive data via its IR port. Please refer to the user guide for the receiving device for more information on enabling IR communications and receiving data over IR.

- 1 Press the [?] and scroll to the desired phone book entry. Press the [?] twice.

- 2 Scroll to Send card via IR (to send phone book entry).
- 3 Align the infrared ports of both devices, then press the (?).

RECEIVE A BUSINESS CARD FROM ANOTHER DEVICE

To receive business cards from another compatible phone, you need to first enable infrared communications using the Infrared menu ([<Menu ?>](#)). Then, the user of the other phone or devices sends you a business card as described above.

Once you have received the name and phone number, press Show. Then press Options, select Save or Discard, and press OK.

Reminders

You can send and receive reminder notes between phones, as well as between other IR-equipped devices (such as Palm™, and Psion Series 5™).

Note: Make sure that the other phone or device is set to receive data via its IR port. Please refer to the user guide for the receiving device for more information on enabling IR communications and receiving data over IR.

SEND A REMINDER NOTE TO ANOTHER DEVICE

- 1 Scroll to the reminder you wish to send and press the (?).
- 2 Scroll (if necessary) and highlight the desired reminder and press Options.
- 3 Scroll to Send reminder and press the (?).
- 4 Align the infrared ports of both devices
- 5 Highlight Send via IR and press the (?) to initiate data transfer.

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17 Connect to the Internet*

WAP (short for Wireless Application Protocol) is to mobile devices what WWW (world wide web) is to desktop computers. The mobile community began developing WAP several years ago to give mobile device users access to the internet. Today, most WAP sites are made up of text and hyperlinks, with some capable of text input and selection items in a list. Some pages even contain low-resolution graphics. Because your service provider and others are free to design WAP sites as they choose, each site can vary almost as much as a web page on the Internet.

- **LEARN ABOUT THE SERVICES MENU**

The Services menu allows you to use your WAP browser to view news, weather reports, check flight times, access financial information, and much more. You can also save the address of any WAP page as a bookmark, much the same as a web page on your personal computer.

Note: You may need to subscribe to additional services before you're able to use the browser. Also, your service provider may have to configure your phone for browsing after you've subscribed. Contact your service provider for more information.

Important: Internet content received over a secure connection and stored in your browser's cache may be reused over non-secure connections and may create security issues. Please check with your service provider to determine if emptying your browser's cache after each browsing session or some other method should be used to avoid security issues.

• SET UP FOR BROWSING

It shouldn't be necessary to manually configure your phone for browsing. Normally your service provider will modify these settings once you've subscribed to this feature. Contact your service provider if you have problems using the browser.

• YOUR SERVICE PROVIDER AND WAP

Because WAP content is designed to be viewed from your phone, your wireless provider now becomes your "wireless Internet service provider" as well.

It's likely that your service provider has created their own home page and configured your browser to go to this page when you press Home on the browser's menu. Once at your service provider's home page, you'll find links to a number of other WAP sites.

• LAUNCH THE BROWSER*

- 1 At the Start screen, press Menu.
- 2 Scroll until Services appears and press Home.

Your phone connects to the Internet and is directed to your service provider's home page.

Note: If your phone displays Check service settings, it may not be configured for browsing. Contact your service provider to make sure that your phone is configured properly.

Note: Pressing [end] terminates any active browser session and returns you to the Start screen.

Navigate a WAP card

Elements common to most pages 

- Header line - shows the current location.
- Active hyperlink - highlighted and awaiting a press of the (?).

1

- Hyperlink - used to navigate to other cards or sites. Scroll to select the link and click the (?).
- Text - use the (?) to scroll through the text. The cursor will automatically jump to the next hyperlink to activate it. **[graphic]**
- Selection list - identified by text in brackets. Click this link to display additional choices or links.
- Options/Back - Displays a card's options menu and/or the browser menu. Back takes you back to the previous page.
- Data entry field - identified by ellipse in brackets [...]. This field is used when specific user input is required (example: city name, stock symbol, airline name or flight number, etc.). To edit this field: **[graphic]**

- 1 Highlight the data entry field and press the (?).
- 2 Enter the text requested by the data entry field (for example: Miami) and press OK. **[graphic]**
The text you entered is now displayed between the brackets.
- 3 Scroll to the link that requires an action (For example: get forecast?) and press the (?).

The browser menu

- 1 At the Start screen, press Menu.
- 2 Scroll until Services appears and press the (?).
The following menu items are available. Use the (?) to highlight and select.
 - ***Home**.....Starts the browser and takes you to your service provider's home page.
 - ***Bookmarks**.....Displays a list of all saved bookmarks.
 - **Settings**From here you can modify your connection settings, appearance settings, and Security certificate more.
 - **Go to address**.....Allows you to enter the address of your choice.

- **Clear the cache**.....Empties the browser's temporary memory and frees up space. It's advisable to empty your cache at the end of each session.

Note: Some service providers may have customized the Services menu WAP page's Options menu. Please contact your service provider for more information, in the event that any of the above menu options are unavailable.

The Options menu

Press Options while browsing. The following menus appear on screen:

- **Home**.....Takes you back to your home page.
- **Bookmarks**.....Displays a list of all saved bookmarks.
- **Edit or Select**.....Allows you to edit the currently selected browser element (for example, a checklist or text entry field), or selects the active (highlighted) hyperlink.
- **Go to address**.....Allows you to enter the address of your choice.
- **Use Number**.....Captures a phone number displayed on the card to place a call or add the number to the phone book.
- **Clear the cache**...Empties the browser's temporary memory.
- **Exit**.....Exits the current session and returns to the Start screen.

ADDITIONAL MENU ITEMS

Developers of WAP web sites can add more Options menu items specific to their web site. These options are often links to other areas within the site. As with any other menu item, scroll the (?) to highlight and press the (?) select.

1 • BOOKMARKS

You can save the address of your favorite sites as bookmarks. If a WAP site's developers have included a title for the card, then the name of the card will appear in the bookmark list (example: Yahoo! News, ebay on WAP, Mapquest).

If the site has no title, then the site's address will appear in the list of bookmarks (example: <http://www.yahoo.com/news.wml>).

SAVE AN ADDRESS AS A BOOKMARK

- 1 Navigate to the desired site and press Options.
- 2 Scroll to Bookmarks and press the (?).
- 3 Press Options.
- 4 Scroll to Save as bookmark and press Select.

ENTER A BOOKMARK MANUALLY

- 1 At the Services menu, press the (?).
- 2 Scroll to Bookmarks and press the (?).
- 3 Press Options, scroll to Add bookmark and press the (?).
- 4 Enter the site's address (example: my.yahoo.com) and press OK.

Note: It is not necessary to enter <http://>. This is added automatically.

- 5 Enter a title for the new bookmark and press OK.

RETURN TO A BOOKMARKED SITE

- 1 At the Services menu, press the (?).
- 2 Scroll to Bookmarks and press the (?) again.
- 3 Scroll to the desired bookmark and press the (?).

If you are not currently browsing, the phone will connect to the internet.

- **DOWNLOAD A RING TONE**

You can download up to five ringing tones to your phone through SMS or some WAP sites. For more information about downloading ringing tones, contact your service provider.

- **PLAY, SAVE, OR ERASE A RING TONE**

Once you've downloaded a ringing tone, your phone displays the message Ringing tone received.

- 1 Press Options, then choose Playback, Save, or Erase.
Press OK.

18

18 Play games

Not only can you use your phone for communication but also for some serious fun. Your phone offers you three games from which to choose.

- In Snake 2, you are to feed the snake with as many goodies as possible. The longer the snake's tail grows, the higher your score.
- In Space Impact 2, the object is to get all the numbers in sequential order as you rotate the numbers and move them.
- In Pairs 2, you will play the traditional game of tennis. Use the (?) to control the racket.

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

Start a new game

- 1 Go to the Games menu, scroll to the desired game and press the (?).
- 2 Select New game.

Use the option Instructions to learn how to play the game. With the option Level you can choose the difficulty level of the game.

(In Snake you can pause the game by pressing either selection key and then resume a paused game with the option Continue. Use Top score (available in some games) to check the high score in your phone.) ??

- **SNAKE 2**
- **SPACE IMPACT 2**
- **PAIRS 2**

19 Frequently asked questions (FAQ)

19

This section lists and answers the questions phone users most frequently ask.

Some of the answers tell you to use menu shortcuts. For a complete listing of these shortcuts, refer to ["List of shortcuts"](#).

Q. How do I lock my phone?

A. Press Menu 4 > 3 > 2 > 1 (Menu > Settings > Security settings > access codes), enter your lock code, scroll to On, and press OK.

Q. How do I unlock my phone?

A. Press Menu 4 > 3 > 2 > 1 (Menu > Settings > Security settings > access codes), enter your lock code, scroll to Off, and press OK.

Q. What is my lock code?

A. The lock code enables you to lock your phone, thus preventing someone else from using it. The default lock code is 1234. However, it is suggested that you change this code immediately.

Q. What is my security code?

A. The default security code is 12345. However, it is suggested 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 the keypad?

A. There are three ways you can lock the keypad: press and hold , press Menu , or from the Start screen, press Menu > 9 (Menu > Keyguard). The term Keyguard is also used in connection with this feature.

Q. How do I unlock the keypad?

A. There are two ways you can unlock the keypad: press and hold **and** then press **OK**, or press **Unlock** and **.** The term **Keyguard** is also used in connection with this feature.

Q. How do I make the ringing louder?

A. Press **Menu 3 > 1 > 2 > 2** (**Menu > Profiles > Normal > Customize > Ringing volume**), then choose a volume level.

Q. How do I change the ringing tone?

A. Press **Menu 3** (**Menu > Profiles**) and scroll through the list of profiles until you find the one for which you want to set the ringing tone, then press **Options**.

- **Highlight Customize** and press **OK**.
- **Scroll to Ringing tones**, then press **Select**.
- **Scroll through the options**. After you hear the tone you want to use, press **OK**.

Q. How do I store my voice mailbox number?

A. Press **Menu 1 > 2 > 2**, enter your voice mailbox phone number, and press **OK**. The screen tells you that the number is saved. Then the following message appears: **Save hidden voice mailbox password?** Press **Yes** to save this number.

This voice mailbox number is valid unless your phone number changes. If your phone number changes, you will have to save a new voice mailbox number.

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'd 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 1 > 2 > > 1 (Messages > Voice messages > Listen to voice messages). The message Calling voice mailbox appears on the screen. Follow the prompts to access your messages.

Q. How do I find my phone's model number?

A. Turn your phone off, then remove the battery from the back of the phone. On the sticker that is on the rear cover, after the word Model, your phone's model number is printed.

Q. How do I redial the last-dialed number?

A. Press twice, quickly.

Q. How do I assign a key to 1-touch dialing?

A. Press Names and scroll to 1-touch dialing.
Press Select.
Use [graphic] or  to scroll to the first number that includes the message (empty) and press Assign.
Use [graphic] or  to scroll to the name/number to which you want to assign to this key and press Select.
Repeat these steps as many times as necessary.

Q. How do I find out how many memory locations the phone has?

A. Press Names and scroll to Options.
Press Select.
Scroll to Memory status and press Select again. A message appears that says Phone: xx free, xx in use where xx indicates the amount of memory locations.

Q. How do I find my phone's ESN (electronic serial number)?

A. Turn your phone off. Remove the phone's back cover, grasp the ridge at the end of the battery with a fingernail, and lift the battery out. On the inside of the phone, on the sticker that was beneath the battery, after the letters ESN, your phone's ESN appears.

Q. **How can I change the contrast of my phone's display?**

A. The contrast of your phone's display is fixed and cannot be changed.

Q. **How do I clear my call timers?**

A. **WARNING:** The clearing of call timers cannot be undone.

Press Menu 2 > 5 > 5 and when the Security code field appears, enter your security code and press OK.

20 Glossary

Term	Definition
analog network	A network where the signal is conveyed by varying the frequency, amplitude or phase of the transmission.
antenna	The portion of your phone designed to transmit and receive the wireless signal.
antenna jack	The connector used to attach an external antenna to your mobile phone.
battery	The source of power for your mobile phone when the phone is not connected to a charger.
bookmark	A way to save a web site address (or URL) to your phone's memory. Use bookmarks to store the addresses of your favorite web sites, then recall them so you can return to the location quickly and easily.
browser	A software program used to view and navigate a portion of the Internet called the World Wide Web, or Internet locations developed for the Wireless Application Protocol (WAP).
data call	A call in which your Nokia phone functions as a data/fax modem, connected to your PC via the infrared port.
digital network	Network where the signal is converted to a digital or binary code before transmission.

Term	Definition
earpiece	The portion of your phone that contains the speaker. Used to play the audio portion of a voice call as well as any other audible tones (for example: ringing, warning, etc.)
earpiece volume	The sound level of the earpiece's speaker during a call.
E-mail	Electronic Mail. A written form of communication in which text (and other types of information) is transmitted between recipients electronically via special electronic mail systems managed by corporations and/or Internet service providers.
END key	Used to terminate an active call or reject an incoming call. Also used to return to the Start screen from the phone book or from within the phone's menu.
ESN	Electronic Serial Number. Used by wireless service providers to identify your phone on the wireless network.
fax call	A call in which your Nokia phone functions as a data/fax modem, connected to your PC via the infrared port.
home system	Refers to the wireless system to which you are subscribed.
home type system	Refers to the same type of system to which you are subscribed, but a system that is not your primary home system.

Term	Definition
Internet	An elaborate system of interconnected public and private computer networks around the world, used to provide access to information and enable communication between users worldwide.
keypad tones	The sound heard when a key on your phone's keypad is pressed.
message alert tone	The sounds that are heard upon receipt of a text or system message (e.g. call waiting notification) by your phone.
microphone	The electronic element in the base of your phone that picks up your voice and other sounds.
navigate	A term that refers to the act of moving from one Internet site or page to another, or to the act of moving from one area of your phone's memory or menu to another.
non-home type system	Any system that does not use the same wireless "format" as your home system.
number keys	The numbered keys on your phone's keypad.
power key	A key on the front of the phone that allows you to turn the phone on or off. This key can also be used to recall and switch your phone's profiles.
predictive text input	A system developed for rapid text entry using your phone's keypad.

Term	Definition
preferred system	Refers to a system that is the same "format" as your home system, but is not the system to which you have subscribed.
ringing option	Refers to the way your phone plays (or if it plays) a ringing tone when you have an incoming call.
profile	Refers to the various settings relating to your phone's audible, visible and vibrating alerts, and the ability to have multiple configurations to match your location or environment.
ringing tone	The tone or melody that is heard when you have an incoming call.
ringing volume	Refers to the volume of your phone's ringing tone.
roaming	The state of your phone when you are no longer in your home system. Additional charges may result.
screen	Your phone's display.
scroll	To move through a list of names, menu items, etc., press the up or down scroll key. Each new selection or option is highlighted as you scroll to it.
selection keys	Refers to the keys under the lower left and lower right corners of your phone's screen.

Term	Definition
SMS	Short Message Service. A service whereby you can send and receive short text messages (typically around 150 characters) with your phone.
system	Another way to refer to your wireless service provider's wireless network.
TALK key	The key used to make or answer a call.
text message	See SMS.
URL	Universal Resource Locator. A URL is a Web site's specific address or location on the Internet (for example: http://www.nokia.com .)
voice dialing	The ability to dial numbers in your phone using the phone's voice recognition feature. (see voice tags)
voice mail	A system maintained by your service provider, used to record voice messages when you are unable to answer a call.
voice mailbox	The location on your service provider's network used to store voice mail messages.
voice tag	A recording of a user's voice that is assigned to a phone book entry. Voice tag is used in conjunction with voice dialing feature (see voice dialing).
volume	See earpiece volume or ringing volume.

Term	Definition
warning and game tones	The tone played when your phone displays a warning, or those tones that are heard when you are playing one of the phone's games.
WAP	Wireless Application Protocol. WAP is a new section of the Internet designed to provide information and services to you, and viewable from your mobile phone's screen.
wireless network	Your service provider's operating environment, including various types of hardware, software, and landline connections, which makes wireless calls possible.
World Wide Web	The part of the Internet that is viewed using a special software application called a web browser. The browser in your Nokia phone can access many sites on the World Wide Web, as well as sites designed specifically to be browsed from a mobile phone (see WAP).
WWW	See World Wide Web.

21 Reference information

• BATTERIES, CHARGERS, ACCESSORIES AND TECHNICAL INFORMATION

This section provides information about the phone's batteries, accessories, chargers and technical information. Be aware that the information in this section is subject to change as the batteries, chargers, and accessories change.

This phone is intended for use when supplied with power from an ACP-7, an ACP-8, ACP-9, LCH-8 or an LCH-9. 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's 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 itself off.

2

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 back 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 like 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 a guideline 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**

This section provides additional safety information. A brief overview of safety can be found in "For your safety".

Traffic safety

Do not use a hand-held telephone while driving a vehicle. Always park the vehicle before using the phone.

After completing your phone conversation, always secure the phone back into its holder; do not place the phone on the passenger seat or place it where it can break loose in a collision or during a sudden stop.

Note: The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

Remember: Safety—Your most important call.

Operating environment

Remember to follow any special regulations that are in force in any area, and always switch off your phone wherever it is forbidden to use it. Otherwise, the use of your phone could cause interference or danger.

When connecting the phone or any accessory to another device, read the associated user guide first and obtain detailed safety instructions.

Note: Do not connect incompatible products.

As with other mobile radio transmitting equipment, you are advised that, for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the phone should only be used in the normal operating position. This position is when the phone is held to your ear with the antenna pointing over your shoulder.

Electronic devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment might not be shielded against the RF signals from your wireless phone. The following four subsections provide more information about this topic.

PACEMAKERS

Pacemaker manufacturers recommend that a minimum separation of six inches (20 cm.) should be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker.

2

These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers:

- should always keep the phone more than six inches (20 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

Note: If you have any reason to suspect that interference is taking place, switch off your phone immediately.

HEARING AIDS

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

OTHER MEDICAL DEVICES

Operation of any radio transmitting equipment, including cellular phones, could interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy. Also contact these authorities if you have any questions.

Switch off your phone in health care facilities or where any posted regulations instruct you to do so. Hospitals or health care facilities could be using equipment that is sensitive to external RF energy.

VEHICLES

RF signals could improperly affect installed or inadequately shielded electronic systems in motor vehicles. These could include 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.

POSTED FACILITIES

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

Potentially explosive atmospheres

Switch off your phone if you are in any area that has 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.

You are advised to switch off the phone while at a refueling point (service station). And, you 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. These areas include the following: below deck on boats; chemical transfer or 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 normally be advised to turn off your vehicle engine.

Vehicles

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

Regularly check that all wireless phone equipment in your vehicle is mounted and operating properly.

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

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

2

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 could lead to the suspension or the denial of telephone services to the offender, or it could result in legal action, or both scenarios could apply.

• **EMERGENCY CALLS**

Important:

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

Remember, to make or receive any calls, the phone must be switched on and be used in a service area that has adequate signal strength.

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

Always ensure that your phone is properly charged before attempting any emergency calls. If you allow your battery to become empty, you will be unable to receive or make calls, including emergency calls. You must then wait a few minutes after the charging begins to place any emergency calls.

Make an emergency call

- 1 If the phone is not on, switch it on.
- 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 **[talk key]**.

If certain features are in use (Keyguard, fixed dialing, restrict calls, and so on), you might first need to turn those features off before you can make an emergency call. Consult this guide and your local cellular service provider.

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

Radio frequency (RF) signals

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. 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 organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.* Tests for SAR are conducted using standard operating positions accepted by the FCC 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 level 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 wireless base station antenna, the lower the power output.

2

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone as reported to the FCC when tested for use at the ear is 1.12 W/kg and when worn on the body, as described in this user guide, is 0.80 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements.) While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of

<http://www.fcc.gov/oet/fccid> after searching on FCC ID LJP NPC-1NB.

For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only Nokia approved accessories. When carrying the phone while it is on, place the phone in the carrying case (CBM-12) that has been tested for compliance.

Use of non-Nokia-approved accessories may violate FCC RF exposure guidelines and should be avoided.

*In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Care and maintenance

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

When using your phone, battery, charger, or any accessory:

- Keep it and all its parts and accessories out of the reach of small children.
- Keep it dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits.
- Do not use or store it in dusty, dirty areas as its moving parts can be damaged.
- Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store it in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which could damage the phone's electronic circuit boards.
- Do not attempt to open it. Non-expert handling of the device could damage it.
- Do not drop, knock or shake it. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth that has been slightly dampened in a mild soap-and-water solution.
- Do not paint it. Paint can clog the device's moving parts and prevent proper operation.
- 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.

• ACCESSORIES

If you want to enhance your phone's functionality, a range of accessories is available for you. You can select any of these items to help accommodate your specific communication needs. For availability of these and other accessories, contact your service provider.

2

A few practical rules for accessory operation

- Keep all accessories out of reach of small children.
- When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.
- Check regularly that any vehicle-installed accessories are mounted and are operating properly.
- Installation of any complex car accessories must be made by qualified personnel only.
- Use only batteries, chargers, and accessories that have been approved by the phone manufacturer. The use of any other types could invalidate any approval or warranty applying to the phone, and could be dangerous.

• BATTERIES

This section provides information about the phone's batteries. Be aware that the information in this section is subject to change.

Note: Dispose of used batteries in accordance with any local regulations.

The tables shown in this section provide information about battery options that are available for your phone, charging times with the Rapid Travel Charger (ACP-8), the Standard Travel Charger (ACP-7), talk times, and standby times. Consult your service provider for more information.

Note: The charging times listed in the next section are approximate.

Charging times

Battery Option	ACP-7 Charger	ACP-8 Charger
BMC-2 640 mAh NiMH	2 hrs 45 min	1 hrs 30 min

- The times displayed above allow your battery to obtain approximately 80% of its capacity. When this happens, the battery scroll bars on your phone's screen stop scrolling.
- If you want to obtain 100% battery capacity, allow another 2 hours for a "trickle" or "maintenance" charge.

Standby and talk times

The times shown in the following table are approximate, and represent a range for either standby or talk times (not a combination of both). Battery operation times vary according to signal conditions, network parameters set by the service provider, and how you use your phone.

Warning: Dispose of used batteries in accordance with any local regulations.

Please refer to the following table for more information on talk and standby times in both digital and analog networks.

Battery Option	Digital Talk Time	Analog Talk Time	Standby Time
BMC-2 640 mAh NiMH			

• CHARGERS AND OTHER ACCESSORIES

This section provides information about the phone's chargers and accessories. Be aware that the information in this section is subject to change as the chargers and accessories change.

The chargers and accessories that are described in this section are available for your phone. Contact your dealer for details. Also, refer to the accessories brochure that was included in your sales package for the entire line of Nokia Original Accessories.

2

When a charger is not in use

- When a charger is not in use, disconnect it from the power source.
- Do not leave the battery connected to a charger for longer than a week, since overcharging the battery could shorten its lifespan. If left unused, a fully charged battery will discharge itself over time.

Standard Travel Charger (ACP-7)

This is a lightweight (187g) [<?>](#) and durable AC charger.

- To use the Standard Travel Charger, plug it into a wall outlet and connect the lead from the charger to the base of your phone.

[\[graphic\]](#)

Travel Charger (ACP-8)

This is a lightweight and durable AC charger. Calls can be made during charging, even with a fully discharged battery.

- To use the Rapid Travel Charger (ACP-8), plug it into a standard 120V or 220V AC wall outlet, and connect the lead from the charger to the base of your phone.

The charger can also be used together with the optional Desktop Charging Stand. Approximate charging times for discharged batteries are shown in "Charging times".

Rapid Cigarette Lighter Charger (LCH-9)

You can charge your phone's battery from your vehicle battery by using the Rapid Cigarette Lighter Charger (LCH-9). You can also use this lightweight charger with the Desktop Charging Stand (DCV-10).

Calls are possible during charging. A green light indicates that the charger is ready for charging (when not charging) or finished charging (if it has been charging). The battery charging times are the same as those for the Rapid Travel Charger (ACP-8).

The input voltage range is from 11 to 32V DC, negative grounding. Avoid prolonged charging with the Rapid Cigarette Lighter Charger (LCH-9) when the car engine is not running; this could cause your car battery to drain. Note also, that in some cars, the cigarette lighter plug is not provided with electricity if the ignition is not switched on.

Desktop Charging Stand (DCV-10)

Used together with the Standard Travel Charger (ACP-7), the Rapid Travel Charger (ACP-8), or the performance Travel Charger (ACP-9) the Desktop Charging Stand is an economical choice when you need your phone close at hand, always ready for calls.

This charging stand allows you to charge your phone's battery in an upright, obtainable position on your desk.

- Charging is indicated by the scrolling battery bars that are located on the right side of your phone's Start screen.
- When the scrolling stops, the battery is approximately 80% charged. The battery is fully charged a couple of hours after this time.

Headset (HDE-2)

[graphic of headset]

Nokia Xpress-on™ color covers

Your phone's Xpress-on™ cover is available in several fashion colors. Extra covers may be purchased from your authorized Nokia dealer.

Note: Always store the phone with cover attached.

CHANGING COVERS

1 Switch off the power and disconnect the phone from the charger or any other device.

• TROUBLESHOOTING

This section provides a table that lists some of the most commonly-encountered problems and provides possible solutions.

Problem	Possible cause	Possible solution
My phone isn't charging.	The charger and the phone are not properly connected.	Securely connect the charger to the phone.
	The charger is not properly plugged in.	Ensure that the charger is plugged in correctly.
My phone isn't making/answering calls.	The battery is not charged.	Charge the battery.
	The signal strength is poor.	If you are indoors, move toward a window.

Problem	Possible cause	Possible solution
I can't listen to my voice messages.	You don't have voice mail service.	Call your wireless service provider.
	You have not set up your voice mailbox with your service provider.	Call your wireless service provider.
	You have not saved your voice mail number in your phone.	Refer to "Set up your voice mailbox"
	You have forgotten your password or are entering it incorrectly.	Call your wireless service provider.
	The voice mail number you have saved is incorrect.	Call your wireless service provider.

- TECHNICAL INFORMATION

Weight	137g (4.8 oz) with BMC-2 640 mAh NiMH Battery
Size	105 cc

Frequency Range	Lowband 824.04 - 848.97 MHz (TX) 869.04 - 893.97 MHz (TX)
Transmitter Output Power	Up to 600mW
Battery Voltage	3 V
Operating Temperature	-4°F to + 104°F (-20°C to +40°C)
Number of Channels	832 lowband
Phone Numbers	
Memory Locations	200
Memory Capacity	Alpha: Numeric:

22 NOKIA One-Year Limited Warranty

Nokia Inc. ("Nokia") warrants that this cellular phone ("Product") is free from defects in material and workmanship that result in Product failure during normal usage, according to the following terms and conditions:

- 1 The limited warranty for the Product extends for ONE (1) year beginning on the date of the purchase of the Product.
- 2 The limited warranty extends to the original purchaser of the Product ("Consumer") and is not assignable or transferable to any subsequent purchaser/end-user.
- 3 The limited warranty extends only to Consumers who purchase the Product in the United States.
- 4 During the limited warranty period, Nokia will repair, or replace, at Nokia's option, any defective parts, or any parts that will not properly operate for their intended use with new or factory rebuilt replacement items if such repair or replacement is needed because of product malfunction or failure during normal usage. No charge will be made to the Consumer for any such parts. Nokia will also pay for the labor charges incurred by Nokia in repairing or replacing the defective parts. The limited warranty does not cover defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts. Nokia's limit of liability under the limited warranty shall be the actual cash value of the Product at the time the Consumer returns the Product for repair, determined by the price paid by the Consumer for the Product less a reasonable amount for usage. Nokia shall not be liable for any other losses or damages. These remedies are the Consumer's exclusive remedies for breach of warranty.
- 5 Upon request from Nokia, the Consumer must prove the date of the original purchase of the Product by a dated bill of sale or dated

itemized receipt.

- 6 The Consumer shall bear the cost of shipping the Product to Nokia in Melbourne, Florida. Nokia shall bear the cost of shipping the Product back to the Consumer after the completion of service under this limited warranty.
- 7 The Consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:
 - a) The Product has been subject to abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of Nokia, including damage caused by shipping.
 - b) The Product has been damaged from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake or damage from exposure to weather conditions, an Act of God, or battery leakage, theft, blown fuse, or improper use of any electrical source, or damage caused by the connection to other products not recommended for interconnection by Nokia.
 - c) Nokia was not advised by the Consumer in writing of the alleged defect or malfunction of the Product within fourteen (14) days after the expiration of the applicable limited warranty period.
 - d) The Product serial number plate or the accessory data code has been removed, defaced or altered.
 - e) The defect or damage was caused by the defective function of the cellular system or by inadequate signal reception by the external antenna.
- 8 If a problem develops during the limited warranty period, the Consumer shall take the following step-by-step procedure:
 - a) The Consumer shall return the Product to the place of purchase for repair or replacement processing.

b) If "a" is not convenient because of distance (more than 50 miles) or for other good cause, the Consumer shall ship the Product prepaid and insured to:

Nokia Mobile Phones, Inc.
Attn: Repair Department

795 West Nasa Blvd.
Melbourne, FL 32901

c) The Consumer shall include a return address, daytime phone number and/or fax number, complete description of the problem, proof of purchase and service agreement (if applicable). Expenses related to removing the Product from an installation are not covered under this limited warranty.

d) The Consumer will be billed for any parts or labor charges not covered by this limited warranty. The Consumer will be responsible for any expenses related to reinstallation of the Product.

e) Nokia will repair or authorize the repair of the Product under the limited warranty within 30 days after receipt of the Product by Nokia or an Nokia authorized service center. If Nokia cannot perform repair covered under this limited warranty within 30 days, or after a reasonable number of attempts to repair the same defect, Nokia at its option, will provide a replacement Product or refund the purchase price of the Product less a reasonable amount for usage.

f) If the Product is returned to Nokia during the limited warranty period, but the problem with the Product is not covered under the terms and conditions of this limited warranty, the Consumer will be notified and given an estimate of the charges the Consumer must pay to have the Product repaired, with all shipping charges billed to the Consumer. If the estimate is refused, the Product will be returned freight collect. If the Product is returned to Nokia after the expiration of the limited warranty period, Nokia's

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normal service policies shall apply and the Consumer will be responsible for all shipping charges.

- 9 The Product consists of newly assembled equipment that may contain used components that have been reprocessed to allow machine compliance with Product performance and reliability specifications.
- 10 ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING LIMITED WRITTEN WARRANTY. OTHERWISE, THE FOREGOING LIMITED WARRANTY IS THE CONSUMER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NOKIA SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF ANTICIPATED BENEFITS OR PROFITS, LOSS OF SAVINGS OR REVENUE, PUNITIVE DAMAGES, LOSS OF USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT OR FACILITIES, DOWNTIME, THE CLAIMS OF ANY THIRD PARTIES, INCLUDING CONSUMERS, AND INJURY TO PROPERTY, RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM BREACH OF THE WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL OR EQUITABLE THEORY, EVEN IF NOKIA KNEW OF THE LIKELIHOOD OF SUCH DAMAGES. NOKIA SHALL NOT BE LIABLE FOR DELAY IN RENDERING SERVICE UNDER THE LIMITED WARRANTY, OR LOSS OF USE DURING THE PERIOD THAT THE PRODUCT IS BEING REPAIRED.
- 11 Some states do not allow limitation of how long an implied warranty lasts, so the above one-year warranty limitation may not apply to you (the Consumer). Some states do not allow the exclusion or limitation of incidental and consequential damages, so certain of the above limitations or exclusions may not apply to you (the Consumer). This limited warranty gives the Consumer specific legal rights and the Consumer may also have other rights which vary from state to state.
- 12 Nokia neither assumes nor authorizes any authorized service center

or any other person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty including the provider or seller of any extended warranty or service agreement.

- 13 This is the entire warranty between Nokia and the Consumer, and supersedes all prior and contemporaneous agreements or understandings, oral or written, and all communications relating to the Product, and no representation, promise or condition not contained herein shall modify these terms.
- 14 This limited warranty allocates the risk of failure of the Product between the Consumer and Nokia. The allocation is recognized by the Consumer and is reflected in the purchase price of the Product.
- 15 Any action or lawsuit for breach of warranty must be commenced within eighteen (18) months following delivery of the Product.
- 16 Questions concerning this limited warranty may be directed to:
Nokia Customer Care Center
7725 Woodland Center Blvd., Ste. 150
Tampa, FL 33614
Telephone: 1-888-NOKIA2U (1-888-665-4228)
Facsimile: 1-813-249-9619
For the hearing impaired or other TTY users:
1-800-24NOKIA (1-800-246-6542)
- 17 The limited warranty period for Nokia supplied attachments and accessories is specifically defined within their own warranty cards and packaging.