[Model] User Guide DRAFT

Not for Distribution

This user guide is under development.

Phone notes

	Notes	Where to get information
My number		Wireless service provider
Voice mail number		
Wireless service provider's customer care		
Model number	[Model]	
Phone type	NKC-1	Type label. Located under the battery inside the
ESN (Electronic serial number)		phone's back cover.

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

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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.



Switch off where prohibited

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



Road safety comes first

Don't use a wireless phone while driving.



Interference

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



Switch off in hospitals

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



Switch off in aircraft

Wireless devices can cause interference in aircraft.



Switch off when refueling

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



Switch off near blasting

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



Use sensibly

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

FCC Draft [1]



Qualified service

Only qualified personnel may install or repair phone equipment.



Accessories and batteries

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



Water-resistance

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



Calling

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



Emergency calls

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

Welcome and quick guide 2

Congratulations on your purchase of a Nokia 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
- How to understand network services
- How to contact Nokia

GET THE MOST OUT OF THIS GUIDE

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

Understand the terms

This guide provides instructions for certain actions.

- Press means to briefly press and release a key. For example, press [0] means press the zero key for 1 second and release.
- Press and hold means to press and hold a key for 1 to 3 seconds (depending on the feature being used), then release the key.
- Press Menu means to press the selection key, located below the word Menu on the phone's screen.
- Highlighted means that an option on the screen is enclosed in a black box. When an option is highlighted, it can be activated by pressing [left selection].

Follow graphic clues

This guide uses the following icons to alert you to important information.



Tip: Provides information about a quick way or an alternate method for performing an action.



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.

Learn 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	Indicates one of the following items: • The word or phrase appears on the phone's screen.	
	Special text such as Notes and Warnings .	
bold and blue	The word is an address on the World Wide Web.	
italic	Italics indicate emphasis. Pay close attention to any information in italics.	

Access alternate formats

To request a user guide in one of the following alternate formats, call Nokia Customer Care:

Braille

FCC Draft [4]

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

Nokia Customer Care Center, USA	TTY/TDD Users Only
Tel: 1-888-NOKIA-2U (1-888-665-4228) Fax: 1-813-249-9619	Tel: 1-800-24-NOKIA (1-888-246-6542)



Note: Alternate format user guides are available in English.

Look for updates

From time to time, Nokia may update this user guide to reflect changes or corrections. The latest version may be available at the Nokia site on the internet at

www.nokia.com.

An interactive user guide that provides step-by-step instructions for any of your phone features is available at

www.nokiahowto.com

UNDERSTAND WIRELESS NETWORK SERVICES

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

Network services for the Nokia [Model] include:

- · Voice mail and voice privacy
- · Call waiting, call forwarding and caller ID

FCC Draft [5]

- · Text and picture messages
- · Ability to send your own number

Sign up with a service provider

Before you can use any network services, you must sign up with a wireless service provider. Your service provider will supply descriptions of special features and instructions for using their services.



Note: Before you sign up with a provider, make sure they offer the services and features you want. For example, some networks may not support all language-dependent characters.

REGISTER YOUR PHONE

Make sure to register your phone at www.warranty.nokiausa.com or 1-888-NOKIA-2U (1-888-665-4228) so that we can serve your needs better if you should need to call the center or have your phone repaired.

E-NEWSLETTERS

When you register your phone, you can sign up for Nokia's e-newsletter *Nokia Connections* if you would like. You will receive tips and tricks on using your phone, accessory information, and special offers.

UNDERSTAND YOUR PHONE

[Diagram with cross references - include sentence that tells user to press a key to display lights]

Use the 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

Not touching the antenna during a call optimizes the antenna performance and the talk-time of your phone. Normal position: Hold the phone as you would any other telephone. with the antenna pointed up and over your shoulder.

Use the battery

Before you begin, you need to prepare your phone by charging the battery. Instructions for attaching the optional headset can also be found in this chapter.

INSTALL THE BATTERY

1 Place the battery in the compartment with the label side facing up and the golden contact area of the battery aligned with the contact prongs inside the phone.

2 Press down on the bottom of the battery until it snaps into place.

CHARGE THE BATTERY

- 1 Connect the lead from the charger to the bottom of the phone. [Need graphic]
- 2 Connect the charger to a standard wall outlet. The battery power indicator (or battery bar) appears on the screen and starts scrolling. If the phone is on, Charging appears also.



- When the battery bar stops scrolling, the battery charge is complete. Battery full appears also, if the phone is on.
- 4 Disconnect the charger from the phone.

REMOVE THE BATTERY

If you purchase a new battery or need to access information on the phone's label, you may need to remove the battery.



Important: Switch off the phone before removing the battery.

FCC Draft [8]





Do not puncture or burn the battery. Please recycle or dispose of properly.

- 1 Remove the back cover of the phone.
- 2 Look for the battery latch that runs along the end of the battery nearest the top of the phone.
- 3 With your thumbs, push the latch away from the battery until the latch snaps and the battery lifts slightly.
- 4 Take out the battery.



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

IMPORTANT BATTERY INFORMATION

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

- With your phone turned off, charge your new battery for three hours before its first use. Use the battery until it is fully discharged. Repeat this procedure twice for a total of three charging cycles.
- Battery operation time may be less than the estimated times during the first charges. This condition is normal.
- When the battery is fully discharged, the scrolling bars may not appear immediately.
- After the first charge, you can make and receive calls during the charging cycle, but the calls interrupt the charge. When the phone call ends, the charge will resume.
- The bars on the screen stop scrolling and remain constant when the phone is charged. If you leave the phone connected to the charger, the battery receives an additional charge.



Note: The battery will accept a "trickle charge" for an additional two hours. See "Reference information" on page 61 for more information on batteries.

FCC Draft [9]

• Charging time depends on the charger and battery used. See "Batteries" on page 80 for charging, talk, and standby times.

PROLONG BATTERY LIFE

A NiMH battery may last longer and have better performance if you fully discharge it from time to time. To discharge your battery leave your phone switched on until the battery drains completely and the phone turns itself off. *Ignore any messages to recharge your battery and let the battery completely discharge.*



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

GET STARTED WITH THE QUICK GUIDE

All information needs to be updated.

Enter phone number, press [talk]. Make a call

Press [talk] or Answer. Answer a call

Answer with call waiting Press [talk]. Press [End]. End a call Press [End]. Ignore a call Redial Press [talk] twice.

Adjust call volume During a call, press [up] for louder

or [down] for softer

Use the in-call menu In a call, press Options.

Use 1-touch dialing Press and hold one of keys 2 through 9.

Enter a number, press Save, then enter a name and press Save a name and number

Retrieve a name/number Press Names, select Find.

Retrieve a name/number Press Options, scroll New call, press Select, press Find,

enter first letter of the name. during a call

Check voice mail Press and hold [1 key] or call your voice mailbox number. Press Menu 1-1. Write the message. Press Options, Send a text message

scroll to Send, press OK,

enter the recipient's number, press Send.

Press Menu 1-2. Select Write e-mail, enter the recipient's Send an E-mail message address, press OK, enter the subject, press OK, write the

message, press Options, select Send and press OK.

Read new message Press Show, then press Select. [Check]

Reply to a message Reply to an E-mail

message

Send a business card Retrieve a name from the phone book, press Options,

select Send bus. card, enter the recipient's number, press

Send.

FCC Draft [11]

GET HELP

Find your phone's label

When you call Nokia Customer Service or your service provider, you will need to provide specific information about your phone. This information is recorded on the phone's *type label*. The type label is located under the battery inside the phone's back cover. It contains the model and serial numbers as well as other important information about your phone. *Please do not remove or deface the label*.

Contact Nokia

If you have a question and have already checked the Troubleshooting section (see page 91), we recommend that you have the following information available before contacting the Nokia Customer Service department or the service provider:

- Your phone's model number
- ESN (Electronic serial number located on the label under the battery)
- Your billing address ZIP code
- The phone or accessory in question

Nokia Customer Care Center, USA	Customer Interaction Centre, Canada
Nokia Mobile Phones 7725 Woodland Center Blvd. Suite #150 Tampa, Florida 33614	Nokia Products Ltd. 601 Westney Road South Ajax, Ontario L1S 4N7
Tel:1-888-NOKIA-2U (1-888-665-4228) Fax: 1-813-249-9619	Tel: 1-888-22-NOKIA (1-888-226-6542) Fax: 1-905-427-1070

FCC Draft [12]

Contact your service provider

You may want to save your service provider's customer support telephone number into your phone. This will let you easily contact your provider if you have questions or issues with your phone service.

Receive accessibility information

Nokia is committed to making mobile phones easy to use for all individuals, including those with disabilities. Nokia maintains an internet site 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 web site at

www.nokiaaccessibility.com.

ACCESSIBLE FEATURES

The Nokia [Model] wireless phone has many accessible features, including:

- Nibs under the five key for quick reference to the keypad
- Tactile feedback when you press a key
- Ability to send and receive short text and e-mail messages
- · Convenience of 1-touch dialing
- · Vibrating alert for incoming calls and messages
- Customizable ring tones

LPS-3 MOBILE INDUCTIVE LOOPSET

[Mention activation of Loopset under settings x-ref]

The LPS-3 Loopset is a Nokia accessory designed to make the phone more accessible to hearing-aid users. The loopset gives hearing-impaired users clear access to digital telephony for the first time. It allows people with T-coil equipped hearing aids to make and receive calls without noise interference.



Note: The Loopset is sold as an accessory to the phone.

FCC Draft [13]

HOW THE LOOPSET WORKS

The LPS-3 Loopset uses inductive technology to transmit sound to a hearing aid equipped with a T-coil. 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.

Basic operations 3

SWITCH YOUR PHONE ON OR OFF

[Note: Cross reference the Safety text here

Add note - tells user what to do if phone supports multiple languages and display text is not appearing in the correct language, then cross reference to "Set the display language"]

Switch ON your phone

Press and hold the power key [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.

Switch OFF your phone

Press the power key [power key]. When Switch off! is highlighted on the screen, Press OK.

• MAKE AND ANSWER CALLS

How Do You	Action	
Make a call	1 Enter the phone number, including area code if needed.	
	2 Press [talk].	
	3 Hold the phone as you would any other telephone, with the earpiece over your ear and the microphone near your mouth.	
End a call	Press [end] to end the call or cancel the call attempt.	
Answer a call	When your phone rings, press 🔼.	
	[mention Keyguard here]	
	Tip: Press [end] to mute the ringing of an incoming call.	
Redial last dialed number	Press [talk] two times. If the number is not there, press [end] to return to the Start screen.	
Redial any one	1 Press [talk] to display the first number.	
of the last 10 dialed numbers	2 Scroll to the number you want to redial.	
uidica fluffibers	3 Press [talk] again to dial the number.	

USE THE KEYPAD

- 1 Enter the area code and phone number.
- 2 Press [Talk].

Hold the phone as you would any other telephone, with the antenna pointed up and over your shoulder.



Important: Do not touch the antenna

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.



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

USE THE PHONE BOOK

- and scroll to the number you 1 From the **Start** screen, press want.
- 2 Press > to make the call.



To skip ahead quickly in the list, press the number key that matches the first letter of the name.

[List the following actions and a cross reference for each:]

Make an international call

Call service numbers

Make a 1-touch dial call [reference Use 1-Touch Dialing]

Adjust the earpiece volume

You can adjust the earpiece volume during a call by pressing the scroll keys located just below the screen.

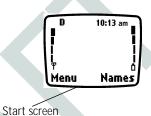
- Press the [up] key to increase the volume.
- Press the [down] key to decrease the volume.

Current volume

CHECK THE START SCREEN

When you switch on your phone, a welcome appears, then you see the Start screen.

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



Understand the Scroll Bar

When you press **Menu**, a vertical scroll bar appears on the right side of the screen. This scroll bar has a tab which moves up or down to indicate your location in the menu.

Understand indicators & icons

You have two types of identifiers on your phone: icons and indicators.

Indicators show the status of something. The phone uses three types of indicators: signal strength, battery power and handset volume.

Icons are graphical representations of a specific item or situation. For example, an icon appears when you have a voice message in your mailbox.

Indicators



- Signal strength shows the signal strength of the wireless network at your current location. The higher the bar, the stronger the signal.
- 2 Battery power shows the battery charge level. The higher the bar, the more power in the battery.
- 3 Handset volume shows the earpiece volume level during a call. This indicator appears only when you press the volume key.

Icons

Screen Icon	What it means
	Active call in progress.
J.	Silent has been selected as the current profile.
-0	The phone's keypad is locked to prevent any accidental key presses.
00	One (or more) new voice messages waiting.
	One or more new text messages waiting. (If blinking, the text message memory is full.)
D	Digital service is available.

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Screen Icon	What it means
യABC യabc	Standard text input mode for entering alpha characters. Press • to switch between uppercase and lowercase input.
æ‱abc	Predictive text mode for quickly entering text messages. Press ** to switch between uppercase and lowercase input.
യ123	123 mode. This icon appears when you press and hold # while entering text. You can now enter only numbers (not alpha characters). Press and hold # again to return to text entry mode.
?!£	Special character mode. This appears when you press while storing names. Once the characters appear, you can select a special character by selecting Insert .
Œ	Alarm clock is set.

• USE THE SELECTION KEYS

The selection key allows you to select various phone options.

At the bottom of the **Start screen**, two options appear: **Menu** and **Names**. The selection keys are located just below these options.

The left selection key is located under **Menu**. The right selection key is located under **Names**.

When you press the left selection key at the Start screen, the word **Messages** appears. The text above the left selection key changes to **Select** and the text above the right selection key changes to **Exit**.

When you press the right selection key at the Start screen, options for the Names feature appear. The text above the left selection key changes to **Select** and the text above the right selection key changes to **Exit**.

SCROLL KEYS

Use the scroll keys, located just below the screen, to scroll through your phone's menus and phone book.

• CHECK IN-PHONE HELP

Many menu items have brief explanations of menu items. To view the help text, scroll to the menu item and wait for about 10 seconds. Press More to see the next page of the text or Back to exit.

BROWSE PHONE MENUS

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

- 1 At the Start screen, press Menu, then scroll through the menus using the and
- 2 Select Options, Select, or OK by pressing the selection key for the option you want.
- 3 Use the scroll and selection keys to navigate the submenus; press to return to the Start screen

FCC Draft [21]

Return to the previous menu level

You can return to the previous menu level by pressing the selection key labeled Exit or Back. You can return to the start screen from any menu level by [End].

Exit the menu without changing any settings Press [End].

Use shortcuts

Menus and options are numbered so that you can quickly find 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 the numbers.

For example, to select the Silent profile, press Menu 3-2-1 (Menu > Profiles > Silent > Select).



- · 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 . If you leave a menu by pressing , you cancel any changes you made.
- Some menus may not appear. Ask your service provider for details.

Menu structure

1	N /	FSS	10	FC	





Note: The Messages menu is the only menu that requires pressing "0"

Write message	1-
Write e-mail	1-2
Inbox	1-3
Outbox	1-4
Archive	1-!
Erase all	1-0
Picture messages	1-
Voice messages	1-
Listen to voice messages	. 1-8-
Voice mailbox number	

2 CALL LOG



Missed calls 2-1
Dialed calls 2-2
Received calls 2-3
Clear call lists 2-4
All
Missed 2-4-2
Dialed2-4-3
Received2-4-4
Call timers
Duration of last call 2-5-1
Duration of dialed calls 2-5-2
Duration of all calls 2-5-3
Life timer 2-5-4
Clear timers

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3 PROFILES

|--|--|

Normal	3-1
Select	3-1-1
Customize	3-1-2
Ringing options	
Ringing volume	
Ringing tone	
Keypad tones	
Warning tones	
Message alert tone	
Silent	
Select	
Customize	
Rename	
Meeting	
Select	
Customize	
Rename	
Outdoor	
Select	
Customize	
Rename	
Pager	
Select	
Customize	
Rename	

4 SETTINGS



Alarm clock							4-1
On							. 4-1-1
Off							. 4-1-2
Automatic redial .							4-2
On							4-2-1

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Basic operations 3

Off	4-2-2
Phone settings	4-3
Clock	
Show/Hide clock	. 4-3-1-1
Set the time	. 4-3-1-2
Time format	. 4-3-1-3
Touch tones	4-3-3
Manual touch tones	. 4-3-3-1
Touch tone length	. 4-3-3-2
Restore factory settings	4-3-4
Language	4-3-5
Accessory settings	4-4
Headset	
Handsfree	4-4-2
Loopset	4-4-3
Note: Accessory settings only show u	p in your phone once the accessory
has been connected.	
Security settings	4-5
Call restrictions	4-5-1
Change security code	
Network services	
Voice privacy	
Note: The following 3 menu items	
Call forwarding	
Call waiting	
Send own caller ID	
Network feature setting	
Own number selections	4-6-6
E CYCTEM VSSA	
5 SYSTEM Y	

Automatic	 5-1
Manual	 5-2
New search	 5-3

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6	GAMES
	Snake II. 6-1 Space Impact 6-2 Pairs II. 6-3 Settings. 6-5
7	PREPAID COCK
	Check account balance

Note: This menu is visible only when Prepaid service is available in your network and/or activated on your account. Please contact your service provider for more information on Prepaid services.

• SET UP YOUR PHONE

4 Text entry

There are two ways to enter letters and numbers into your phone:

- Standard text input for making entries in the phone book.
- Predictive text input for writing text messages, picture messages, and e-mails. For more detail, see "Write with predictive text" on page 28.

STANDARD TEXT INPUT

Enter letters (ABC mode)

When you add new names to the phone book, your phone automatically switches to the ABC mode and displays the **WABC** icon.

- 1 Find the key that has the letter you want to enter.
- 2 Press it as many times as needed for the letter to appear on the screen. For example, to enter the name Nokia:

Press	N
Press	(to change to lower case input)
Press	0
Press	k
Press	i
Press	a

Enter numbers (123 mode)

Enter spaces, punctuation and special characters

- To enter a space, press once.
- To enter punctuation, press repeatedly until the character you want appears.

FCC Draft [27]

Depending on the selected display language, the following characters may be available:

Key	Characters
1	.,'?!@-1
2	A B C 2
3	DEF3
4	G H I 4
5	J K L 5
6	M N O 6
7	P Q R S 7

Key	Characters
8	T U V 8
9	W X Y Z 9
0	Enters an empty space or 0.
*	Special characters and punctuation
#	Changes letter case; long press toggles between text input mode and number input mode
	Moves cursor to the left of character.
	Moves cursor to the right of character.

N Ch

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

Use symbols in names and numbers

WRITE WITH PREDICTIVE TEXT

Understand predictive text input

Turn on predictive text input

Save a word in the dictionary

Turn off predictive test input

Write a message using predictive text

Enter numbers

Insert information from the phone book

Enter punctuation and special characters

Change the case

Write compound words

Clear the screen

Delete information

Use standard templates



Phone book 5

- VIEW THE PHONE BOOK
- SAVE NAMES, NUMBERS AND EMAIL ADDRESSES

Quickly save a name and number

Save an entry using the phone book menu

Save an email address

- USE PHONE BOOK MENUS
- RECALL NAMES AND NUMBERS

Scrolling view

• EDIT A NAME OR NUMBER

[Add a cross reference to adding special characters]

• ADD A SECOND NUMBER TO A NAME

From the phone book

From the Start screen

By recalling a name

- CHANGE THE NUMBER TYPE
- SPECIFY THE PRIMARY NUMBER
- ERASE NAMES AND NUMBERS

Individual entries

Entire contents

• CHECK MEMORY STATUS

Call log 6

[Note: Only works in digital networks and only when caller ID is enabled.]

• CHECK MISSED CALLS

Call

Call time

Edit number

Save

Erase

View number

• CHECK DIALED CALLS

Call

Call time

Edit number

Save

Erase

• CHECK RECEIVED CALLS

Call

Call time

Edit number

Save

Erase

• USE CALL TIMERS

Enable a current call timer

FCC Draft [34]



Clear call timer

Choose options in call list

Show call timer after call



7 Messages

VOICE MAIL

[Indicate that this is a Network Services feature.) Reminder: Find out if your Service Provider will set up your voice mail box, and if not, be sure to get instructions on how to set up the mail box. (Include a sentence that tells the user how to know when they have received a voice mail message.)]

Save the voice mailbox number

Listen to your voice messages

TEXT MESSAGES

Understand text messaging

[Mention the folders to which messages are saved and x-ref to "Organize text messages]

Set up the text messaging feature

UNDERSTAND WHAT THE MESSAGE CENTER IS

SAVE THE MESSAGE CENTER NUMBER

Write a text message [Include a sentence about using the keypad for text messages is like the way you add names to the Phone Book]

Send a text message

Receive a text message

READ A NEW TEXT MESSAGE

READ AN OLD TEXT MESSAGE

Respond to a text message

REPLY TO THE MESSAGE

FORWARD THE MESSAGE

FORWARD OPTIONS

SAVE A TEXT MESSAGE

MOVE THE MESSAGE

EDIT THE MESSAGE

RENAME THE MESSAGE

ERASE THE MESSAGE

WHEN YOUR MEMORY IS FULL

Organize text messages using folders

USE THE INBOX FOLDER

USE THE OUTBOX FOLDER

USE THE ARCHIVE FOLDER

ADD A FOLDER

DELETE A FOLDER

Understand message settings

UNDERSTAND THE COMMON SETTINGS

UNDERSTAND THE SPECIAL SETTINGS

PICTURE MESSAGES

Your phone offers five picture messages that you can use to send pictures and text to your friends and family.

Each picture message is made up of several text messages. Therefore, sending one picture message may cost more than sending one text message. Contact your service provider for pricing information.



Note: You can send and receive pictures only if you and the person you are sending it to are (a) using the same provider and (b) have the feature activated.

Send picture messages

- 1 Press Menu 1-2 (Menu > Messages > Picture Messages).
- 2 Scroll to the picture you want to send. Press Show.
 The picture appears. To choose a different picture, press Back and scroll to another picture.
- 3 Press **Options** and scroll to **Edit Text**. Add a text message to send with the picture.
 - After you enter the text, you have the option to (a) further edit the text (b) save the picture and message before sending it or (c) send the picture and message.
- 4 To send the picture and message, enter or recall the phone number and press **Send**.

Send a picture with a text message

Work with picture messages

PREVIEW A PICTURE MESSAGE

FCC Draft [39]

CHANGE A PICTURE MESSAGE

DELETE A PICTURE MESSAGE

Receive a picture message

Save a picture message

EMAIL MESSAGES

Define an email sending profile

Send an email message

1 Press Menu 1-1-2 (Menu > Messages > Text messages > Write e-mail).



Note: If you have just turned on your phone, you will get a prompt asking you to enter your *e-mail gateway number.* You must obtain this number from your service provider.

- 2 At the prompt, enter your recipient's e-mail address or press **Search** to look through and select a saved e-mail address from your phone list. Press **OK.**
- 3 At the prompt, enter a subject for your e-mail message. (You are not required to enter a subject.) The subject line can be a maximum of 26 characters long. Press **OK** when you are finished.
 - Note: Predictive text is not available when entering an e-mail address or a subject line for your e-mail.
- 4 A screen will appear allowing you to enter the text of your message.

FCC Draft [40]

Your total message, including the address and subject line, can be up to 160 characters. There is a running total of remaining characters in the top right corner of the screen.



Tip: You can switch between uppercase and lowercase standard text input and uppercase and lowercase predictive text input by repeatedly pressing

5 After you finish entering the text of your e-mail, press Options and scroll to Send. Press OK to send immediately.

If your message was sent successfully, you will get a confirmation saying Message Sent.

FROM THE MESSAGES MENU

Receive an email message

Edit an existing email message

Reply to an email message

Forward an email message

Personalization 8

• PROFILES

Select a profile

Work with profiles

Accessory profiles [Show how to set up]

AUTO ANSWER

CAR PROFILE

HEADSET PROFILE

Accessibility profiles

TTY/TDD PROFILE

LOOPSET PROFILE

Customize a profile

FCC Draft [42]

SET THE RINGING OPTIONS

SET THE RINGING TONE

SET THE RINGING VOLUME

SET A VIBRATING ALERT

SET KEYPAD TONES

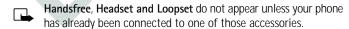
SET THE WARNING AND GAME TONES

SET THE MESSAGE ALERT TONE

SET AN AUTOMATIC ANSWER

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

- 1 Press Menu 4-4-1-2 (Menu > Settings > Accessory settings > Headset > Automatic answer).
- 2 Press Select.
- 3 Use or to scroll to either On or Off and press Select.



SET THE LIGHTS (APPEARS ONLY WHEN USED WITH THE CAR KIT)

FCC Draft [43]

Rename a profile

Set the display language

Display the clock

Select the time format

Set the clock

CHOOSE THE NETWORK CLOCK

SET THE CLOCK MANUALLY

Add a welcome note

Restore factory settings

Advanced calling features

• UNDERSTAND ACTIVE-CALL OPTIONS

Mute the phone's microphone

Use call waiting

Use caller ID

Send your own number in caller ID

Make a new call

Switch between two active calls

End all calls

Use conference call

CONFERENCE A CALL

FCC Draft [45]

RECALL A NUMBER FROM THE PHONE BOOK DURING A CALL

END A CONFERENCE CALL

Have a private conversation

Use voice privacy

Access menus

Access the phone book

Save a name and/or number

- MAKE AN INTERNATIONAL CALL
- USE CALL FORWARDING

Store the call forwarding feature code

Activate call forwarding

Deactivate call forwarding

- USE AUTOMATIC REDIAL
- USE 1-TOUCH DIALING

Assign a key to 1-touch dialing

Change 1-touch dialing numbers

Erase 1-touch dialing numbers

CUSTOMIZE YOUR PHONE BOOK

Understand the scrolling view

Select your scrolling view

SELECT 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.

FCC Draft [47]

Search for a network

Press Menu 5 (Menu > System).

You have 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 the ones that are available. If an available network is found, the word Available: appears on the screen followed by the name of the network. To choose the network listed, press OK .
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. If the phone doesn't find another system, the question Perform an extended search? will appear. Press OK if you wish to continue searching.

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. Contact 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 (Menu > Settings > Network services > Public system selection) 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 nonhome-type system. The search continues until your phone finds a system that can be used.	
Home only	The phone uses only its home system. It will not roam.	
Nonhome type	The phone searches for a nonhome-type system only. The home-type system is not used.	
Home type	When service is not available in your home system, the phone searches for a home-type system first. However, if a nonhome-type system is found, your phone will use that system.	

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

USE YOUR PHONE WHILE TRAVELING

When your phone is outside its home area, the phone is said to be roaming. Calls made or received while you are roaming may 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.

FCC Draft [49]

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

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 4–5–8 (Menu > Settings > Network services > Digital/analog selection)**.

The menu options for choosing the mode you prefer are:

- Digit. & analog
- Analog
- Digital

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.



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

10 Security

USE KEYGUARD

Activate the Keyguard

Deactivate the Keyguard

Answer a call while Keyguard is active

- UNDERSTAND THE SECURITY CODE
- CHANGE YOUR SECURITY CODE
- RESTRICT CALLS

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

Before you define restrictions for outgoing calls, two restriction options are available: **Select** and **Add restriction**. The maximum number of call restrictions you can define is ten.

When outgoing 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 $\,$



Restrict outgoing calls



11 Special features

• USE THE ALARM CLOCK [PERSONALIZATION?]

Set the alarm clock

Alarm clock options

[The following topics will be put into an if/then table]

SNOOZE

DEACTIVATE THE ALARM CLOCK

Disable the alarm clock

SEND PHONE BOOK INFORMATION

Send a business card

Receive a business card

VIEW A RECEIVED BUSINESS CARD

FCC Draft [53]

SAVE A VIEWED BUSINESS CARD

DELETE A VIEWED BUSINESS CARD

• DOWNLOAD A RINGING TONE

Play a ringing tone

Save a ringing tone

Erase a ringing tone

12 Use prepaid services

With prepaid service, you buy wireless network services in advance. Your phone works the same way it did before, with some additional features. Prepaid service may not be available from your wireless service provider. Contact the service provider for details.



MANAGE PREPAID SERVICE

After you sign up with your service provider for prepaid service, you need to activate the Prepaid menu. This menu appears on your screen only if you've activated the service.

[graphics for Prepaid section]

ACTIVATE PREPAID

To activate prepaid services, enter the following sequence:



The message Prepaid menu enabled appears on the screen.

DEACTIVATE PREPAID

To deactivate prepaid services, enter the following sequence:



The message Prepaid menu disabled appears on the screen.

USE THE MENU

- To use the Prepaid menu, press Menu and then press to go immediately to the Prepaid menu.

SAVE YOUR ACCESS NUMBERS

You can check your prepaid balance and add money when the balance runs low. To do that, you first need to save the correct access numbers in your phone. Contact your service provider for the access numbers.

- 1 Press Menu 11-3 (Menu > Prepaid > Save access phone numbers).
- 2 At Save access phone numbers, press Select.
- 3 Scroll to **Replenish phone number**, press **Select**, enter the access number you got from your service provider, and press **OK**.
- 4 Scroll to **Balance phone number**, enter the balance number you got from your service provider, and press **OK**.

The message **Saved** appears to confirm each entry.

ADD MONEY TO YOUR ACCOUNT

To add money, you must first have saved the correct access number in your phone. (See the previous section for instructions.)

- 1 Press Menu 11-2 (Menu > Prepaid > Add money to account).
- 2 At Card number, enter your prepaid card number and press OK.
- 3 When you see the message Listen for prompt then press OK, press OK. When the addition to your account is complete, a voice message gives you the new balance.
- 4 When you see the message Wait for prompt, then press End, press End call.

CHECK YOUR PREPAID BALANCE

You can check the balance remaining in your prepaid account, free of charge. Contact your service provider for the toll-free access number used to check the balance

Check the prepaid balance

1 Press Menu 11–1 (Menu > Prepaid > Check account balance). Press Select.

The phone calls your service provider. The screen shows Calling and then **Checking balance**. A voice message gives you the current balance.

2 Press to terminate the call.



13 Games

You can use your phone for communication *and* some serious fun. Your phone offers three games: **Snake II**, **Space impact**, and **Pairs II**.





Warning: Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger. Even when you're playing a game, the phone is active.

START A NEW GAME

- 1 Press Menu 6 (Menu > Games) and press Select.
- 2 Scroll to the desired game and press **Select**.
- 3 Select New game, and press Select.

Additional options under each Game include:

Option	What it does
Continue	Continue a game that was stopped.
Last view	Last view of a completed game.
New Game	Start a new game.
Level (Snake II and Pairs II only)	Choose the game's difficulty level.
Mazes (Snake II only)	Choose among different maze designs.
Top score	Display the top score.
Instructions	Learn how to play the game.

FCC Draft [58]

Please visit Nokia games services on the Internet for more hints and tips at www.nokia.com.

GAME SETTINGS

Game sounds and lights can be turned on or off. To access the settings menu press Menu > Games > Settings.

SNAKE II

Feed the snake with as many goodies as possible and watch it grow. Press Menu 6-1.

To turn the snake toward the food, press [2], [4], [6] and [8].

The longer the snake's tail grows, the higher your score. You can choose to have a clear field, or select from five different mazes. If the snake runs into its own tail or the surrounding wall, the game is over.

SPACE IMPACT

Use your weapons to survive alien attacks. When you defeat all the enemies, you progress to the next level. Press Menu 6-2.

To move up and down, press [8] and [0].

To move to the left and right, press [*] and [#].

To fire the main weapons, press [1] or [3].

To fire the bonus weapons, press [4] or [6].

PAIRS II

The object of the game is to uncover the pictures to find pairs in as few tries as possible. Press Menu 6-3 and choose between Time Trial and Puzzle.

Move the cursor with keys [2], [4], [6] and [8].

FCC Draft [59]



To reveal the pictures, press [5].

To advance to the next level, you must match all the pairs before the dynamite fuse runs out.



14 Reference information

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

UNDERSTAND IMPORTANT SAFETY INFORMATION

This section provides additional safety information. A brief overview of safety can be found in "Safety first" on page 1.

Traffic safety

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

Remember road safety always comes first!

Operating environment

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

Use the phone only in its normal operating positions.

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

Electronic devices

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

Pacemakers

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

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

Hearing aids

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

Other medical devices

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

Vehicles

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

Posted facilities

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

Potentially explosive atmospheres

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

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

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using 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.

Phones in vehicles

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

POSTED FACILITIES

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

Potentially explosive atmospheres

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

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

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using 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 may be dangerous and may invalidate any warranty which may apply to the unit.

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

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

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

FCC Draft [64]

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

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

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

MAKE EMERGENCY CALLS



Important:

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

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

To make an emergency call:

- 1 If the phone is not on, switch it on. Check for adequate signal strength
- 2 Press [exit] as many times as needed (for example, to exit a call, to exit a menu, etc.) to clear the display and ready the phone for calls.
- Key in the emergency number for your present location (for example, 911, or other official emergency number). Emergency numbers vary by location.

- 4 Press the [Talk] key
- If certain features are in use, (keyguard, etc.) you may first need to turn those features off before you can make an emergency call.
 Consult this user guide and your local cellular service provider.
- When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your wireless phone may be the only means of communication at the scene of an accident - do not end the call until given permission to do so

CERTIFICATION INFORMATION (SAR)

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 radio frequency (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.

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 (for example, 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 1.19 W/kg, and when worn on the body, as described in this user guide, is 0.88 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and 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 LJPNKC-1.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with the Nokia accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

*In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kilogram (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. SAR values may vary depending on national reporting requirements and the network band. For SAR information in other regions please look under product information at www.nokia.com.

• A MESSAGE FROM THE CTIA



FCC Draft [68]

Safety is the most important call you will ever make.

A Guide to Safe and Responsible Wireless Phone Use

Tens of millions of people in the U.S. today take advantage of the unique combination of convenience, safety and value delivered by the wireless telephone. Quite simply, the wireless phone gives people the powerful ability to communicate by voice--almost anywhere, anytime--with the boss, with a client, with the kids, with emergency personnel or even with the police. Each year, Americans make billions of calls from their wireless phones, and the numbers are rapidly growing.

But an important responsibility accompanies those benefits, one that every wireless phone user must uphold. When driving a car, driving is your first responsibility. A wireless phone can be an invaluable tool, but good judgment must be exercised at all times while driving a motor vehicle--whether on the phone or not.

The basic lessons are ones we all learned as teenagers. Driving requires alertness, caution and courtesy. It requires a heavy dose of basic common sense----keep your head up, keep your eyes on the road, check your mirrors frequently and watch out for other drivers. It requires obeying all traffic signs and signals and staying within the speed limit the more using controllers and requiring others are responsed to do the same. limit. It means using seatbelts and requiring other passengers to do the same.

But with wireless phone use, driving safely means a little more. This brochure is a call to wireless phone users everywhere to make safety their first priority when behind the wheel of a car. Wireless telecommunications is keeping us in touch, simplifying our lives, protecting us in emergencies and providing opportunities to help others in need.

When it comes to the use of wireless phones, safety is your most important call.

Wireless Phone "Safety Tips"

Below are safety tips to follow while driving and using a wireless phone which should be easy to remember.

- Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.
- 2 When available, use a hands free device. A number of hands free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
- 3 Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can grab it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
- Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving: if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.

- 5 Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to do" list while driving a car, you are not watching where you are going. It's common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.
- 6 Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip--dial only a few numbers, check the road and your mirrors, then continue.
- 7 Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix--they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.
- 8 Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations--with your phone at your side, help is only three numbers away. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!
- 9 Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
- O Call roadside assistance or a special wireless non-emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you still can use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

Careless, distracted individuals and people driving irresponsibly represent a hazard to everyone on the road. Since 1984, the Cellular Telecommunications Industry Association and the wireless industry have conducted educational outreach to inform wireless phone users of their responsibilities as safe drivers and good citizens. As we approach a new century, more and more of us will take advantage of the benefits of wireless telephones. And, as we take to the roads, we all have a responsibility to drive safely.

The wireless industry reminds you to use your phone safely when driving.

For more information, please call 1-888-901-SAFE.

For updates: http://www.wow-com.com/consumer/issues/driving/articles.cfm?ID=85 © 2001 Cellular Telecommunications & Internet Association. All Rights Reserved.1250 Connecticut Avenue, NW Suite 800, Washington, DC 20036. Phone: (202) 785-0081

• A MESSAGE FROM THE FDA



FCC Draft [71]

Consumer Update on Wireless Phones

U.S. Food and Drug Administration

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2. What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- · Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

3. What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in Ine term wireless phone refers here to hand-held wireless phones with built-in antennas, often called cell mobile or PCS phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases readily with preparing distance from the source. The second of the source of the source of the source of the second of the source of the exposure decreases rapidly with increasing distance from the source. The so-called cordless phones; which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

4. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three

5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

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A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

6. What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

7. How can I find out how much radiofrequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects.

Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (http://www.fcc.gov/oet/rfsafety) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has FDA done to measure the radiofrequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques, sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

9. What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is-it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

10. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure. Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a accompanied hearing aid at the same time. This standard was approved by the IEEE in 2000

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

For additional information, please refer to the following resources:

- FDA web page on wireless phones http://www.fda.gov/cdrh/phones/index.html
- Federal Communications Commission (FCC) RF Safety Program http://www.fcc.gov/oet/rfsafety
- International Commission on Non-Ionizing Radiation Protection http://www.icnirp.de
- World Health Organization (WHO) International EMF Project http://www.who.int/emf
- National Radiological Protection Board (UK) http://www.nrpb.org.uk/

July 18, 2001

For updates: http://www.fda.gov/cdrh/phones

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MAINTAIN THE PHONE

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 to enjoy this product for many years:

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits.
- Do not use or store the phone in dusty, dirty areas. Its moving parts can be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When it warms up (to its normal temperature), moisture can form inside and may damage electronic circuit boards.
- Do not attempt to open the phone. Non-expert handling may damage
- Do not drop, knock, or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the phone.
- Do not paint the phone. Paint can clog the moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate regulations governing radio devices.

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

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BATTERIES, CHARGERS AND ACCESSORIES

This section provides information about the phone's batteries, chargers, and accessories. 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-7U, an ACP-8U, ACP-12U, LCH-9 charger. Other usage could invalidate any approval given to this apparatus and may be dangerous.

Check the model number of any charger before use with this phone.



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 may 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.



Note: For information on how to charge and recharge your battery, refer to "Use the battery" on page 7.

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 prolonged maintenance charging could shorten its life span. 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.

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 objects such as a coin. Short-circuiting could damage either the battery or the connecting object.

Leaving the battery in hot or cold places, such as in a closed car in either summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59°F and

A phone with a hot or cold battery may not work temporarily, even if the battery is fully charged. The performance of Li-Ion batteries is particularly limited in temperatures below 0°C (32°F).

The following list provides guidelines that you can follow:

- When the operating time (talk time and standby time) is noticeably shorter than normal, buy a new battery.
- Use the battery only for its intended purpose.
- Never use any charger or battery that is damaged and/or worn out.
- Batteries must be recycled or disposed of properly. Do not dispose of batteries by putting them in fire!
- When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.

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.



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. Refer to "Batteries, chargers and accessories" on page 78 for important battery usage information.

Batteries

This section provides information about the phone's battery. 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 the batteries that are available for your phone, charging times with the Rapid Travel Charger (ACP-8U), the Standard Travel Charger (ACP-7U), talk times, and standby times. Consult your service provider for more information.

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Charging Times

The charging times listed below are approximate.

Battery option	ACP-7U	ACP-8U	ACP-12U
	Charger	Charger	Charger
BMC-3 NiMH Battery	up to	up to	up to
900 mAh	4 h	2 h	1 h 40 m

Standby and Talk Times

The times shown in the following table are estimates only and represent a range for either standby or talk times (not a combination of both). The operation time of the battery depends on conditions such as:

- Transmitting power level
- Signal (distance between the phone and the base station)
- Network parameters defined by the operator (operation mode analog or digital)
- Phone use (games, SMS)
- Charging procedure used

Battery option	Talk time		Standby time	
	Digital	Analog	Digital	Analog
BMC-3 NiMH	Up to	Up to	Up to	Up to
Battery 900 mAh	5 h	2.5 h	15 d	45 h
BLC-2 Li-ion	Up to	Up to	Up to	Up to
Battery 850 mAh	4.7 h	2.3 h	14.2 d	43 h

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.

Standard Travel Charger (ACP-7U)

The Standard Travel Charger is a lightweight (187 g) and durable AC charger.

To use the Standard Travel Charger, plug it into a standard 120 V AC wall outlet and connect the lead from the charger to the base of your phone.

This charger can also be used with the optional Desktop Stand.





Note: If the battery is completely empty, you cannot use the phone until it has enough charge to operate.

Rapid Travel Charger (ACP-8U)

The Rapid Travel Charger is a lightweight (100 g) 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 120 V or 220 V 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" on page 81.



Rapid Travel Charger (ACP-12U)

The Rapid Travel Charger 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-12U), plug it into a standard 120 V or 220 V AC wall outlet, and connect the lead from the charger to the base of your phone.

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).

Calls are possible during charging. A green light indicates that the charger is ready for charging. The battery charging times are the same as those for the Rapid Travel Charger (ACP-8).

The input voltage range is from 11 V to 24 V 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.

Battery Charging Stand (DDC-1)

This Battery Charging Stand provides the possibility to charge a spare battery and thus have a full power source available whenever

You can use the Charging Stand with the BLC-2 Li-lon battery. [reviewers: what about the BLC-1?] Compatible chargers include the Standard Charger (ACP-7) and the Travel Charger (ACP-8).

Headset Kit (HDC-5)

Small and lightweight, the headset kit allows easy and convenient handsfree operation. The headset has a foam earpiece cover for a comfortable fit and has a clip to hold it firmly in place. This headset's 4-wire 2.5 mm jack fits directly into the bottom of the phone. A remote control button located in the microphone makes the headset convenient to use while answering or receiving calls.

Headset Kit (HDE-2)

Small and lightweight, the headset kit allows easy and convenient handsfree operation. This headset comes with a clip for a comfortable fit. This headset's 4-wire 2.5 mm jack fits directly into the bottom of your phone.





Mobile Holder (MBC-6)

Small and easy to use, the Mobile Holder provides an ideal place to hold the phone in a vehicle. The Mobile Holder is easy to attach to the dashboard via a mounting plate or swivel. The Mobile Holder is compatible with the Rapid Cigarette Lighter Charger (LCH-9) and the Express Car Kit (PPH-1).

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Express Car Kit (PPH-1)

The Express Car Kit provides charging and handsfree functionality. Compatible with 12 V systems, the Express Car Kit plugs into the cigarette lighter socket for charging. A green light indicates readiness for charging. The Express Car Kit has a built in speaker and uses the phone's microphone. The Express Car Kit also has a connector for an optional external microphone (HFM-8).

The Express Car Kit requires no screws for installation and thus can be moved easily from car to car.

• FAQ

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 "Menu structure" on page 23.

- Q. What is my security code?
- A. The default security code is 12345. However, Nokia recommends that you change this code immediately. Certain features can be used only after the correct security code has been successfully entered.
- Q. How do I lock and unlock the keypad?
- A. You can lock the keypad by pressing Menu > [star]. To unlock the keypad press Unlock and then press [star].
 - The term Keyguard is also used in connection with this feature.
- Q. How do I make the ringing louder?

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- A. Press Menu 3-1-2-3 (Profiles > Normal > Customize > Ringing volume), and then choose a volume level.
- Q. How do I change the ringing tone?
- A. Press **Menu 3 (Profiles)** and scroll through the list of profiles until you find the one for which you want to set the ringing tone. Then press **Options**.
 - Highlight Customize and press OK.
 - Scroll to Ringing tone, and 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 1-8-2 (Messages > Voice messages > Voice mailbox number). Enter your voice mailbox phone number, and press OK. The screen tells you that the number is saved.

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 [one key].
- Press Menu 1-8-1 (Messages > Voice messages > Listen to voice messages). Follow the voice prompts to review your messages.
- Q. How do I redial the last-dialed number?
- A. Press [talk] twice, quickly.

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- Q. How do I assign a key to 1-touch dialing?
- A. Press Names and scroll to 1-touch dialing.

Press Select.

Use [up] or [down] to scroll to the first number that includes the message (empty) and press Assign.

Enter or retrieve the name/number you want to assign this key and press Select.

Repeat these steps as many times as necessary.

- Q. How do I find out the amount of memory I have used in my phone?
- A. Press Names and scroll to Options.

Press Select. Scroll to Memory status and press Select again. Your memory status appears.

- Q. How do I find my phone's Model number and ESN number?
- A. The model number and ESN numbers are located on a label under the phone's battery. Turn your phone off, remove the back cover and then remove the battery from the phone.
- Q. How do I clear my call timers?
- A. WARNING: The clearing of call timers cannot be undone.

Press Menu 2-5-3 (Call log > Call timers > Clear timers). When the security code field appears, enter your security code and press OK.

GLOSSARY

Business card A business card is the same as an entry in the phone

book. It may contain a name, phone number, and text

entry. It can also be sent to other devices.

Call forwarding A network services feature you use to forward

incoming calls to another number.

Call lists A list used to track numbers for incoming, outgoing,

or missed calls.

Call log A log that registers information about calls you make

and receive.

on calls.

Call waiting A network services feature that enables your phone

to beep while you are in the middle of a call. The beep lets you know that someone else is calling you.

Electronic serial The identification number that is assigned to the

number (ESN) phone.

In-call options Features available for use while you are in a call.

Keyguard Locks the keypad to prevent accidental keypresses.

Keypad tones The tone you hear when you press a key.

Menu A list of choices you can make to change settings on

your phone or use various phone features.

Predictive text A method of entering information in your phone that

uses a dictionary to predict, or guess, what you are

writing.

Reference information 14

Profile A group of settings you can use to customize the way

your phone works.

Quick save A fast method for saving a number.

Ringing tone The sound your phone makes when you receive a call.

Ringing tones can be ringing sounds or short tunes.

Scroll bar A bar that appears on the right side of the screen

when you scroll through the main menus.

SMS The quick way to say short message service.

Start screen Your phone's idle screen.

Template A template is like a form letter-something you can

use many times.

Voice mail A network services feature that enables people who

call and miss you to leave a voice message on your

phone.

Warning tones Sounds your phone makes during error conditions,

during confirmations, when the battery is low, and

when you need to recharge the battery.

• TECHNICAL INFORMATION

Feature	Specification
Weight	149g (5.2 oz) with BMC-3 900 mAh NiMH battery
Size	105 cc
Frequency Range	Lowband 824.04 - 848.97 MHz (TX) 869.04 - 893.97 MHz (RX)
	Highband 1850.04 - 1909.92 MHz (TX) 1930.08 - 1989.96 MHz (RX)
Transmitter Output Power	Up to 600mW
Battery Voltage	3.6 V nominal
Operating Temperature	-4°F to + 104°F
	(-20°C to + 40°C)
Number of Channels	832 lowband 1997 highband
Phone numbers	1
Memory Locations	200

• TROUBLESHOOTING

This section 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	The battery is not charged.	Charge the battery.	
making or answering calls.	The signal strength is too low.	If you are indoors, move toward a window.	
I can't listen to my voice messages.	You don't have voice mail service.		
	You have not set up your voice mailbox with your service provider. This is a provide dependent feature.		
	The voice mail number you have saved is incorrect.	Please call your wireless service provider.	
	You have forgotten your password or are entering in incorrectly.		
	Your voice mail number is not saved in the phone.	Refer to "Set up your voice mailbox".	

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. This one year period is extended by each whole day that the Product is out of your possession for repair under this warranty.
- 2 The limited warranty extends only to the original purchaser ("Consumer") of the Product 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 of America.
- During the limited warranty period, Nokia will repair, or replace, at Nokia's sole option, any defective parts, or any parts that will not properly operate for their intended use with new or refurbished 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.

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- 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 subjected 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, damage caused by computer or internet viruses, bugs, worms, Trojan Horses, cancelbots or damage caused by the connection to other products not recommended for interconnection by Nokia.
 - c) Nokia was not advised in writing by the Consumer 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.
 - The defect or damage was caused by the defective function of the cellular system or by inadequate signal reception by the external antenna, or viruses or other software problems introduced into the Product.
- 8 Nokia does not warrant uninterrupted or error-free operation of the Product. 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 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 the Product under the limited warranty within 30 days after receipt of the Product. If Nokia cannot perform repairs 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. In some states the Consumer may have the right to a loaner if the repair of the Product takes more than ten (10) days. Please contact the Customer Service Center at Nokia at the telephone number listed at the end of this warranty if you need a loaner and the repair of the Product has taken or is estimated to take more than ten (10) days.
- f) If the Product is returned 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 after the expiration of the limited warranty period, Nokia's normal service policies shall apply and the Consumer will be responsible for all shipping charges.
- 9 You (the Consumer) understand that the product may consist of refurbished equipment that contains used components, some of which have been reprocessed. The used components comply 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, PUNITIVE OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF ANTICIPATED BENEFITS OR PROFITS, LOSS OF SAVINGS OR REVENUE, LOSS OF DATA, 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 CUSTOMERS, 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 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

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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 the Nokia and the Consumer, and supersedes all prior and contemporaneous agreements or understandings, oral or written, 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.
- 15 Any action or lawsuit for breach of warranty must be commenced within eighteen (18) months following purchase of the Product.
- 16 Questions concerning this limited warranty may be directed to: Nokia Inc.

Attn: Customer Service

7725 Woodland Center Blvd., Ste. 150

Tampa, FL 33614

Telephone: 1-888-NOKIA-2U (1-888-665-4228)

Facsimile: (813) 287-6612

TTY/TDD Users Only: 1-800-24-NOKIA (1-800-246-6452)

17 The limited warranty period for Nokia supplied attachments and accessories is specifically defined within their own warranty cards and packaging.

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