5170/5180 User Guide

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2.1033(c)(3) MANUAL

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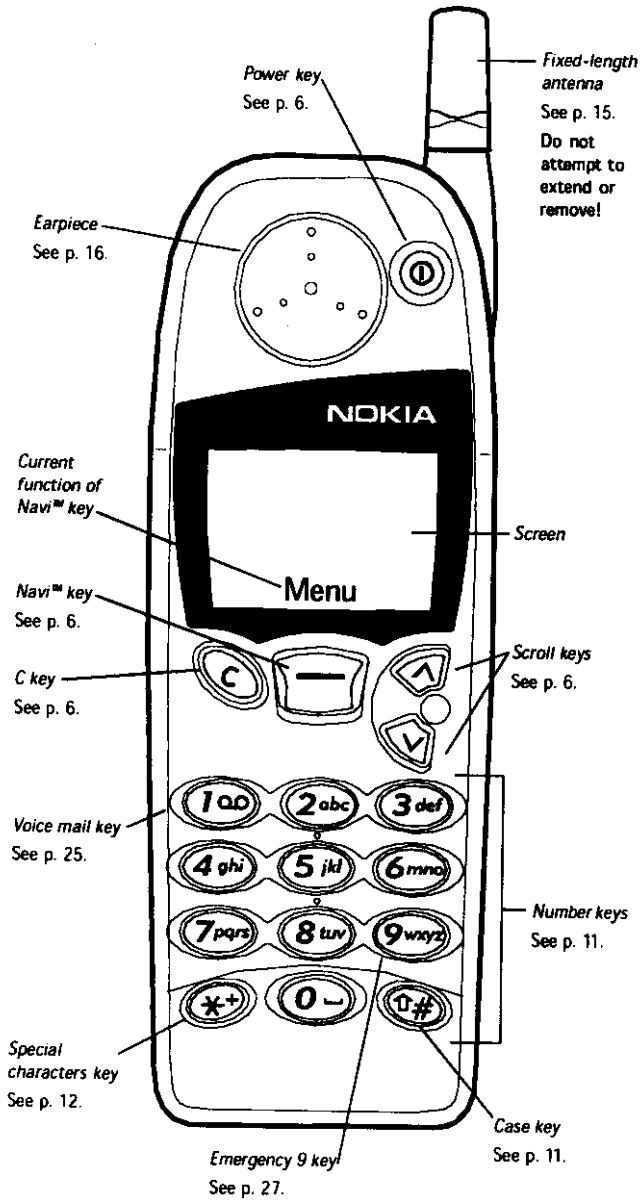
Keys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Case key
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Quick guide to functions

Call functions

Make a call	Enter phone number, press **Call**
Answer a call	Press any key except ⏻
Use the in-call menu	In a call, press ⊂, press **Options**
Answer a call with call waiting	press ⊂ press **Options**, select **Answer**
Silence an incoming call	Press ⏻ briefly
End a call	Press **End**
Redial	Press ⩛, scroll to number, press **Call**
Adjust call volume	Press ⩛ or ⩓ during a call
Use 1-touch dialing	Press and hold a number key 2 - 8

Phone book functions

Save a number	Enter a number, press ⩛ or ⩓, press **Save**, enter a name, press **OK**
Find a name/number	Press ⩓, scroll or enter first letter of name
Find a name/number during a call	Press ⊂, press **Options**, select **Phone book**
View associated phone number	Scroll to name, press and hold 0#
Store a 1-touch dial number	Press **Menu** 1 6, scroll to desired key, press **Assign**, select name or number, press **Select**

Other essential shortcuts

Turn Keyguard on	Press **Menu** 9 or **Menu** *+
Turn Keyguard off	Press **Unlock** *+
Check voice mail	Press and hold 1∞ (see p. 25)
Change ringing tone	Press **Menu** 8 2, choose a tone, press **OK**
Choose a quick alert setting	Briefly press ⏻, select setting, press **OK** (see p. 24)
Turn lights on for 15 seconds	If Keyguard is off, press any key; If Keyguard is on, briefly press ⏻

Quick guide to the menu

Access menu	Press **Menu**
Scroll	Press ⊙ or ⊙
Go back a level	Press C
Exit the menu/ access ready screen	Press and hold C
Menu shortcuts	Press **Menu**, then the menu number

Menu shortcuts

Use these shortcuts by pressing **Menu** and then the number(s) to the left of the menu item you want.

Note: Menu items in your phone vary depending on the network and accessories used.

1 Phone book
- **11** Search
- **12** Add new
- **13** Edit
- **14** Options
- **15** 1-touch dialing
- **16** Erase

2 Messages
- **21** Text
- **22** Voice messages
- **23** Welcome note

3 Call log
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7 Clock
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- **72** Clock settings

8 Tones
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- **82** Ringing tone
- **83** Ringing volume
- **84** Message alert tone
- **85** Keypad tones
- **86** Warning and game tones
- **87** Vibrating alert

9 Keyguard

Indicators and icons

You have an active call.

You have one or more new voice messages.

You have one or more new text messages.

Keyguard is on. Your phone will not accept any keypresses. To turn it off, press **Unlock**, then (*+).

The alarm clock is set.

The ringing option is set to **Silent**.

Digital service is available.

Your phone is roaming outside its home system.

The phone is ready for you to enter a response.

Characters entered will be upper-case letters. Press the (0#) key to switch letter case.

Characters entered will be lower-case letters. Press the (0#) key to switch letter case.

Characters entered will be numbers. (When entering letters, switch to numbers by pressing and holding the (0#) key.)

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1. For your safety

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

Road Safety Comes First

Don't use a hand-held phone while driving; park the vehicle first.

Switch Off In Hospitals

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

Switch Off On Aircraft

Wireless phones can cause interference. Using them on aircraft is illegal.

Switch Off When Refueling

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

Switch Off Near Blasting

Do not use the phone where blasting is in progress. Observe restrictions, and follow any regulations or rules.

Interference

All wireless phones may get interference which could affect performance.

Use Sensibly

Use only in the normal position (to ear). Don't touch the antenna unnecessarily.

Qualified Service

Only qualified service personnel must install or repair equipment.

Accessories and Batteries

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

FCC/Industry Canada Notice

Your phone may cause TV or radio interference (for example, when using a telephone in close proximity to receiving equipment). The FCC or Industry Canada can require you to stop using your telephone if such interference cannot be eliminated. If you require assistance, contact your local service facility.

This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.

Using this Guide

The wireless phone described in this guide is approved for use in CDMA 1900 networks

Network services

A number of features included in this guide are called *network services*. They are special services provided by wireless service providers. Before you can take advantage of any of these network services, you must subscribe to the service(s) from your home service provider and obtain instructions for their use.

Updates

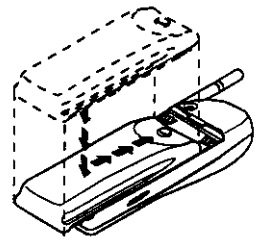
The latest version of this Owner's Manual may be found on Nokia's World Wide Web site at www.nokia.com.

2. Battery installation & charging

Before you can use your new phone, you need to attach and charge the battery.

Attaching the battery

To attach the battery, place it on the back of the phone as shown and slide it toward the top of the phone until it clicks into place.



Battery charging

Your phone is powered by a rechargeable NiMH or Li-Ion battery. Note that a new NiMH battery's full performance is achieved only after two or three complete charge and discharge cycles (see 'Charging times' on page 58).

How to charge your battery

Connect the lead from the charger to the bottom of your phone or to a charging stand. Then plug the charger into a standard wall outlet.

When the battery is charging, the battery strength indicator on the right side of the screen scrolls upwards.

Note: When you charge the battery for the first time, the battery strength indicator will not scroll the entire time; this is normal.

Problems charging

If your phone displays Not charging, charging is suspended. Check that the battery is connected to an approved charging

device. If the battery is very hot or cold, wait for a while; charging will automatically resume after the battery is restored to its normal operating state. If charging still fails, contact your dealer.

When is charging complete?

When the battery strength indicator stops scrolling, your phone is considered fully charged. However, a slight increase in charge may occur if you leave your phone connected to the charger.

When is a good time to charge?

You can charge anytime, but remember that when your phone displays **Battery low**, you only have a couple of minutes of talk time left.

Can I make calls while charging?

Yes, but your battery may not charge during a call. Charging should resume once you end the call.

Discharging NiMH batteries

For good operation times, discharge NiMH batteries from time to time by leaving your phone switched on until it turns itself off (or by using the battery discharge facility of any approved accessory available for your phone). Do not attempt to discharge the battery by any other means.

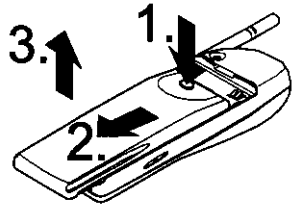
Removing the battery

Note: Switch off the phone before removing the battery!

1 Press and hold the button at the top of the battery.

2 Slide the battery toward the bottom of the phone.

3 Lift the battery off the phone.



Important battery information

- The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its life. If left unused a fully charged battery will discharge itself over time.
- Temperature extremes will affect the ability of your battery to charge: allow it to cool down or warm up first.
- Use the battery only for its intended purpose.
- Never use any charger or battery which is damaged or worn out.
- Do not short circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip, or pen) causes direct connection of the + and - terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in your pocket or purse. Short circuiting the terminals may damage the battery or the connecting object.
- Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 59° F and 77° F (15° C and 25° C). A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. NiMH batteries' performance is particularly limited in temperatures below 14° F (-10° C). Li-ion batteries' performance is particularly limited in temperatures below 32° F (-0° C).
- Do not dispose of batteries in a fire!
- Batteries must be recycled or disposed of properly. They must not be disposed of in municipal waste.

3. About the phone, keys & menu

Power key

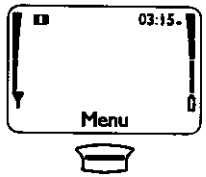
You can use the power key ⏻ to:

- turn the phone on or off (press *and hold*)
- turn the phone's lights on for 15 seconds
- select a quick alert setting (see page 24) (if Keyguard is off and the phone is not connected to a headset or handsfree car kit.)

For more information on Keyguard, see 'Keyguard (locking the keypad)' on page 13.

Nokia Navi™ key

Your phone's *Navi™ key* ▭ appears below the screen. Its current function is indicated by the word that appears above it (for example, Menu). Simply press the Navi™ key to perform the function.



Throughout this guide, when you see "press Menu," "press Listen," etc., press the Navi™ key when that word appears above it.

Scroll keys

The scroll keys ▽ △ are located to the right of the Navi™ key. Use the scroll keys to:

- browse menus
- move the cursor (see page 11) to the right or the left
- adjust the earpiece volume while in a call
- access your phone book (press △ from the Ready screen)
- access the dialed calls list (press ▽ from the Ready screen)

For more information on the Ready screen, see 'Ready screen' on page 7.

C key

Use the C key to:

- delete a character to the left of the cursor
- clear all characters from the screen (press and hold)
- return to the previous menu level
- return from the menu to the Ready screen (press and hold)
- access the in-call menu while in a call (see 'In-call menu' on page 28)

Lights

To turn your phone's lights on for 15 seconds:

- if Keyguard is off, press any key
- if Keyguard is on, press the ⏻ key briefly (this conserves battery power by keeping the lights from turning on when the phone is in a pocket or purse)

For information about controlling your phone's lights when the phone is in a car kit, see page 22.

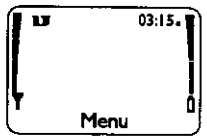
External antenna jack

At the back of the phone, below the antenna, there is a connector for an external antenna. The connector may be protected by a rubber cap. Remove the cap before connecting an external antenna. After removing the antenna, replace the cap.

Note: Keep the cap out of the reach of small children.

Ready screen

The *Ready screen* appears when you first turn on your phone. Menu appears above the Navi™ key so you can access your phone's menu. Several features can be used only when the phone is at the Ready screen.



To get to the Ready screen, press and hold C for a second. (If there are characters on the screen this clears the characters, then you must press and hold C again.)

Menu

Using your phone's menu you can easily access the many powerful features in your phone.

Scroll bar

When you use your phone's menu, a *scroll bar* appears at the far right of the screen. This bar indicates where you are in the menu; each tab location on the bar represents a different menu item.

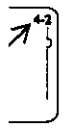
For example, press **Menu** once. The scroll bar appears with the first (top) tab displayed. A different tab appears each time you press ▽ or △.

Help text

Many menu items have brief help text. To view the help text, scroll to the menu item and wait for approximately 10 seconds for the text to appear. Press **More** or ▽ to see the next page of text, △ to see the previous page, or C to return to the menu.

Menu shortcuts

When you select a menu item, numbers appear on the screen above the scroll bar. If you become familiar with these numbers, you can use them as shortcuts for accessing different menu items. For example, to access the **Phone settings** menu, you can simply press **Menu 4 2**. The phone displays the first item in that menu, **Touch tones**.



Note: (1) Menu items in your phone vary depending on the network and accessories used. (2) This is not a complete list; see entries about individual features for more information.

1 Phone book
- 11 Search
- 12 Add new
- 13 Edit
- 14 Options
  - 141 Scrolling view
  - 142 Memory status
- 15 1-touch dialing
- 16 Erase
  - 161 One by one
  - 162 Erase all

2 Messages
- 21 Text messages
  - 211 Inbox
  - 212 Saved
- 22 Voice messages
  - 221 Listen to voice messages
  - 222 Voice mailbox number
- 23 Welcome note

3 Call log
- 31 Missed calls
- 32 Received calls
- 33 Dialed calls
- 34 Clear call lists
  - 341 All
  - 342 Missed
  - 343 Received
  - 344 Dialed
- 35 Call timers
  - 351 Last call
  - 352 All calls
  - 353 Life timer
  - 354 Clear timers

- **4 Settings**
  - 41 Call settings
    - 411 Emergency key 9
    - 412 Automatic redial
    - 413 Calling card
    - 414 Automatic answer[A]
  - 42 Phone settings
    - 421 Touch tones
    - 422 Restore factory settings
    - 423 Language
    - 424 Lights[A]
  - 43 Security settings
    - 431 Restrict calls
    - 432 Access codes
  - 44 Network services
    - 441 Call forwarding[M]
    - 442 Call waiting[M]
    - 443 Send own number[M]
    - 444 Network feature setting
    - 445 NAM selection
    - 446 Activate or update services (?)
- **5 System**
  - 51 Automatic
  - 52 Home area
- **6 Games**
  - 61 Memory
  - 62 Snake
  - 63 Logic
- **7 Clock**
  - 71 Alarm clock
  - 72 Clock settings
    - 721 Display/Hide clock
    - 722 Time settings
    - 723 Time format
- **8 Tones**
  - 81 Ringing options
    - 811 Ring
    - 812 Ascending
    - 813 Ring once
    - 814 Beep once
    - 815 Silent
  - 82 Ringing tone (30 tones) (?)
  - 83 Ringing volume
    - 831 Level 1
    - 832 Level 2
    - 833 Level 3
    - 834 Level 4
    - 835 Level 5
  - 84 Message alert tone
    - 841 No tone
    - 842 Standard
    - 843 Special
    - 844 Beep once
    - 845 Long & loud
  - 85 Keypad tones
    - 851 Off
    - 852 Level 1
    - 853 Level 2
    - 854 Level 3
  - 86 Warning and game tones
    - 861 On
    - 862 Off
  - 87 Vibrating alert[A]
    - 871 On
    - 872 Off
- **9 Keyguard**

[A] Depends on accessory; see entry for this feature

[M] Must be added to the menu manually; see 'Network feature setting' on page 28

Entering letters and numbers

Cursor

The *cursor* is a blinking vertical line that appears on the screen when you are entering text or numbers. Characters you enter appear to the right of the cursor. Press C to delete the character to the left of the cursor. Use ◁ and ▷ to move the cursor to the right or left.

ABC mode

When your phone is ready for you to enter text, such as a name or message, it switches to ABC mode. The **ABC** icon shows that it is in ABC mode.

When **ABC** is displayed, you can enter these characters by pressing the indicated key repeatedly:

Key	Characters	Key	Characters
1	. , ' ? ! - 1	7	PQRS7
2	ABC2	8	TUV8
3	DEF3	9	WXYZ9
4	GHI4	0	space, 0
5	JKL5	*+	See 'Special characters in names' on page 12.
6	MNO6	0#	Changes letter case, switches between letters and numbers

Changing letter case

Press the 0# key (the Case key, shown on the phone diagram on this guide's inside front cover) to switch between upper-

and lower-case letters. The **ABC** icon switches to **abc** to indicate that you are using lower case.

Entering numbers

To enter numbers while in ABC mode, you can:

- press and hold the corresponding key until the number appears, or
- switch between ABC mode and number mode by pressing and holding (*+).

Special characters in names

In ABC mode you can press (*+) (the Special characters key, shown on the phone diagram on this guide's inside front cover) to view the special characters below. You can use these characters when saving names in your phone book. Simply press ⮜ or ⮞ to highlight the one you want, then press Use.

. , ? ! : ; - + # * ( ) ' " _ @ & $ £ % / < > ¿ ¡ § = [ ] ¥

Tip: To choose a character that appears near the end of the list, immediately press ⮞ to go to the end of the list.

Special characters in phone numbers

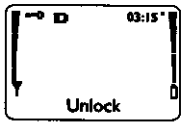
You can use special characters to dial or save phone numbers of automated services such as bank account information. When entering numbers, press (*+) repeatedly until you see the character you want.

*	This character is used to request services from the network. Contact your service provider for details.
+	This character is not currently used.

p	This character creates a pause. Digits to the right of the **p** are sent as touch tones after a 2.5-second pause. Use this character to save phone numbers of automated services that require you to enter a password or other information after the call is answered. For example, if your voice mail number at work is 555-1212 and you need to enter your extension (1234) and then a password (5678) in order to listen to your messages, you could save this phone number as **5551212p1234p5678**
w	This character creates a **wait**. It works similarly to the pause character except that digits to the right of the **w** are not sent until you press **Send**.

Keyguard (locking the keypad)

Using the Keyguard feature you can "lock" your phone's keypad so that accidental keypresses have no effect. This is handy when your phone is in a pocket or purse.



Note: Keyguard is not a security feature and will not prevent unauthorized use of your phone.

To lock the keys

Press **Menu** 9 or **Menu** (*+).

To unlock the keys

Press **Unlock** (*+).

Notes about Keyguard

- When Keyguard is on, the only way to answer a call is to press **Answer**.

- When Keyguard is on, press the power key briefly to turn your phone's lights on for fifteen seconds.
- When Keyguard is on, calls may be possible to the emergency number programmed into your phone (e.g. 911 or other official emergency number). However, one-key emergency dialing ('the 9 key') does not operate.
- Keyguard is automatically turned off when the phone is connected to a car kit.

4. Basic functions

Turning the phone on or off

Press and hold ⏻ for one second.

Note: Pressing ⏻ briefly turns your phone's lights on for fifteen seconds.

If the phone asks for a lock code, see 'Lock code' on page 50. If the phone asks for a security code, see 'Security code' on page 50.

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

About the antenna

Your Nokia phone has a fixed-length antenna. Do not attempt to extend or remove it.

Normal position

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

Tips on efficient operation

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

Checking signal strength

Your phone operates on radio waves. Radio signal coverage is maintained by a wireless network, and the quality of calls on your phone depends on the strength of the wireless radio signal.

Get a strong signal

When you are at the Ready screen or in a call, the strength of the radio signal is indicated by the *signal strength indicator* on the left side of your phone's screen. This indicator scrolls up and down as the signal strength increases and decreases.

To improve your phone's reception, try moving your phone slightly. If you're inside a building, move toward a window.

Making a call

1 Enter the area code and phone number. (**Menu** changes to **Call**.)

2 Press **Call** and wait for the other party to answer.

Volume adjustment (earpiece)

To adjust the earpiece volume, press ⊲ or ⊳ during a call. If an accessory with its own loudspeaker is connected to your phone, the scroll keys adjust the volume for that accessory.

Muting the microphone

When you are in a call, you can mute the phone's microphone by pressing ⊂, pressing **Options**, and selecting **Mute**. To unmute the microphone, press ⊂, press **Options**, and select **Unmute**.

For more information, see 'In-call menu' on page 28.

Ending a call

Press **End**.

Last number redial

The last 10 numbers you dialed are stored in the dialed calls list. Use this list to redial a number you have called recently.

1 From the Ready screen, press ⊳ to access the dialed calls list.

2 Scroll to the desired number.

3 Press **Call**.

Saving a name and number

See 'Saving names and numbers' on page 37.

Finding a name and number

1 Press ⊲ to access your phone book.

2 Scroll to the number you want. (To skip ahead quickly in the list, press the number key that corresponds to the first letter of the name. For example, if you want to call your friend Katy, press the 5 key twice, quickly; once for the letter j, and once for the letter k.)

3 Press **Call**.

For other ways to find names and numbers, see 'Finding names and numbers' on page 38.

Answering a call

When someone calls, the phone alerts you (see 'Tones' on page 22) and **Call** flashes on the screen. To answer the call, press any key except ⏻.

Silencing an incoming call

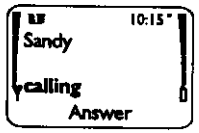
To silence the ringing of the incoming call, press ⊂ briefly.

Note: To prevent accidental answering when the phone is in a pocket or purse, the phone will not answer the call if you press the key for longer than one second.

For information on setting your phone to answer incoming calls automatically, see 'Automatic answer' on page 34.

Caller ID

Caller ID is a network service that displays the phone number of the person calling you, if it is available. Check with your service provider for details.



If the caller can be identified, the phone displays the caller's phone number and calling. If the number matches a name saved in your phone book, the name is displayed instead. However, if the last seven digits of the phone number match more than one name in the phone book, only the phone number is displayed.

5. Settings

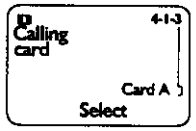
This section describes some phone settings that allow you to customize your phone to suit your preferences and that you probably won't change very often.

Automatic redial

Use **Menu** 4 1 2 to turn this feature on or off. When this feature is on and the wireless network is busy, your phone redials a number up to three times. This feature does not redial to a busy phone number.

To stop the call attempts, press **Quit** or ⓒ.

Calling card set-up



If you wish to use a calling card for long distance calls, you must first save your calling card information into your phone. Your phone can save information about four calling cards.

To learn how to make calling card calls, see 'Calling card calls' on page 34.

Saving calling card information

1 Press **Menu** 4 1 3.

2 Scroll to the desired calling card, then press **Options**.

3 Scroll to **Edit**, then press **OK**.

4 Enter your security code (see page 50), then press **OK**.

5 At **Dialing sequence**, press **Select**. Press ⓥ to choose the

dialing sequence your card uses, then press **Select**.

Dialing sequence	Use for cards that require you to:	Cards using this sequence
Access no. + phone no. + card no.	Dial 1-800 access number, then phone number, then card number (+ PIN if required)	MCI, AT&T True Choice, Sprint Canada, Unitel
Access no. + card no. + phone no.	Dial 1-800 access number, then card number (+ PIN if required), then phone number	networkMCI, WorldPhone MCI
Prefix + phone no. + card no.	Dial the prefix (any numbers that must precede the phone number) and phone number you want to dial, then card number (+ PIN if required)	GTE, PacBell, AT&T, Stentor

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

6 Enter the access number (usually the 1-800 number listed on the back of the calling card), then press **OK**.

7 Enter your card number and/or PIN, then press **OK**. Your phone will display **Save changes?** Press **OK**.

8 Press ⊙ to reach **Card name**, then press **Select**. Enter the card name using your phone's keypad, then press **OK**.

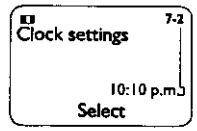
Note: This procedure might not work with all calling cards. Please look at the back of your calling card or contact your long distance company for more information.

Choosing a calling card to use

Use **Menu** 4 1 3 to select a calling card to use. You are required to enter your security code.

Clock

Your phone has an internal clock that can be displayed on the Ready screen.



If you remove the battery for longer than a couple of seconds, the time is lost. The next time you turn on the phone, you will be asked to enter the time.

Setting the time using the network

To set the time on your phone using the network (the default setting), use **Menu** 7 2 2 1. If your phone is unable to get the time from the network, you are prompted to enter the time manually. (For example, your phone may not be able to get the time from the network if you travel outside of your home coverage area.)

Setting the time manually

Use **Menu** 7 2 2 2 to enter the current time. Use two digits for both hours and minutes (for example, enter 1:30 as **0130**). If the clock's time format is set to **am/pm**, you are asked to choose **am** or **pm**.

Note: Pressing ⓒ does not work on this screen. If you make a mistake, re-enter all four digits.

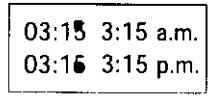
Selecting time format

Use **Menu** 7 2 3 to set the clock's format to **24-hour** or **am/pm**.

Displaying or hiding the clock

Press **Menu** 7 2 1 to display the clock on the phone's screen if it is currently hidden, or vice versa.

When the clock is displayed and the time format is set to **am/pm**, a black square appears next to the time indicating a.m. or p.m.



Language

Use **Menu** 4 2 3 to set the language of your phone's screen. You can choose from English, French, Spanish, and Portuguese.

The shortcut for choosing English is to press **Menu** 4 2 2 1.

Lights

If you're using your phone with a car kit, your phone's lights turn on and remain on automatically. Use **Menu** 4 2 4 to set your phone's lights to **Automatic** (after 15 seconds, the lights turn off until the next key is pressed, phone rings, etc.).

For information about turning your phone's lights on at any time, see page 7.

Tones

Use Menu 8, Tones, to change the six sound settings in your phone: ringing option, ringing tone, ringing volume, message alert tone, keypad tones, and warning and game tones.

Using the quick alert settings feature (see page 24) you can select a fixed combination of these settings to suit your current environment.

Ringing option

Use **Menu** 8 1 to tell your phone how to notify you that you have a call.

Note: If you choose **Beep once** or **Silent**, the alarm clock only sounds a quiet beep.

Ring The phone rings normally using the currently selected ringing tone.

Ascending The phone rings using the currently selected ringing tone. The ringing volume starts low and increases with successive rings.

Ring once The phone rings once using the currently selected ringing tone.

Beep once The phone beeps once.

Silent The phone makes no sound when you receive a call. The icon appears on the Ready screen.

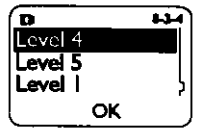
Ringing tone

If your ringing option is set to **Ring once**, your phone plays a ringing tone when someone calls you. Use **Menu** 8 2 to choose one of 30 (?) ringing tones. Scroll to a tone to hear how it sounds.

Note: If the ringing option is set to **Silent** *or* **Beep once**, *the phone won't play sample tones.*

Ringing volume

Use **Menu** 8 3 to control the volume of your phone's ringing and of message alert tones.



Message alert tone

Use **Menu** 8 4 to choose the tone played when you receive a text message. Scroll to a tone to hear how it sounds.

Keypad tones

Use **Menu** 8 5 to adjust the volume of the tones your phone makes when you press its keys.

Warning and game tones

Use **Menu** 8 6 to turn your phone's warning and game tones on or off. Warning tones are created by events such as confirmations, errors, power on, battery low, and recharge battery.

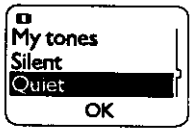
Vibrating alert

If your phone has a vibrating battery attached, use **Menu** 8 7 to set your phone to vibrate when you receive a voice call. If you turn vibrating alert on, your phone vibrates even if its ringing option is set to **Silent**.

Note: The vibrating battery does not vibrate when your phone is connected to or placed in any charging device.

Quick alert settings

You can quickly adjust your phone's sound settings when you go into a meeting, go outdoors, etc. To choose a quick alert setting, briefly press ⓘ, scroll to the setting you want, then press **OK**.



Note: You can only access your phone's quick alert settings from the Ready screen.

Tip: Instead of using the scroll keys, you can press ⓘ repeatedly to scroll through this menu. After you reach the setting you want, press *and hold* ⓘ.

Note: If you choose **Silent** or **Quiet**, the alarm clock only sounds a quiet beep.

Normal Your phone uses the settings you made in Menu 8, Tones.

Silent All sound is turned off in your phone. The icon appears on the Ready screen.

Quiet Your phone beeps once when you receive a call or text message. Other tones are turned off.

Loud Your phone rings loudly. Other tones are not affected.

Headset Your phone automatically selects this when it is connected to a headset. Your phone remembers any changes you make to settings in Menu 8, Tones, and uses them the next time you connect the phone to a headset.

Car Your phone automatically selects this when it is connected to a car kit. Your phone remembers any changes you make to settings in Menu 8, Tones, and uses them the next time you connect the phone to a car kit.

Note: If the **Silent, Quiet,** *or* **Loud** *quick alert setting is chosen and you change a setting in Menu 8, Tones, your phone switches the current quick alert setting to* **Normal**.

To return to the Ready screen, press ⓒ.

Voice mailbox number

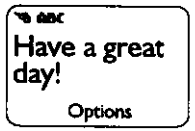
If you have a voice mail subscription, use **Menu** 2 2 2 to save the voice mailbox number given to you by your service provider. This number may be up to 32 digits long. Once you save your voice mailbox number, you can press and hold 1∞ to dial your voice mailbox. (You can also press 1∞ briefly and then press **Call**.)

For more information, see 'Voice messages' on page 43.

For any questions about your voice mail, contact your service provider.

Welcome note

Use **Menu** 2 3 to create or change the welcome note for your phone. This note is displayed briefly each time you turn on your phone. It can be your name, a reminder, etc. To save the note, press **Options**, then **Save**. To erase the note, press **Options**, then **Erase**.



6. Emergency calls

1 If the phone is not on, switch it on.

2 Press and hold ⏻ for several seconds to ready the phone for calls.

3 Key in the emergency number for your present location (e.g. 911 or other official emergency number). Emergency numbers vary by location.

4 Press Call.

IMPORTANT!

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions which cannot guarantee connection in all conditions. Therefore you should never rely solely upon any wireless phone for essential communications (e.g. medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

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

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

Emergency key 9

Use **Menu** 4 1 1 to turn on this feature. When this feature is on, the phone attempts to make an emergency call when you:

- press and hold the 9 key, or
- press 9, then press **Call**.

Note: When Keyguard is active, the only way to make an emergency call is to dial the emergency number, then press Call.

IMPORTANT!

Official emergency numbers (for example, 911) vary by location. Only one number is dialed automatically by Emergency Key 9, and it might not be the proper number in all circumstances.

7. Advanced functions

Network feature setting

Call forwarding, call waiting, and send own number are network services available through your service provider. These features do not appear in your phone's **Network services** menu until you save the related feature code(s) given to you by your service provider. After you save the feature activation or cancellation code, the feature appears in the phone's menu and you can use the menu to turn the feature on or off.

Note: Feature codes can be saved only when your primary phone number (NAM 1) is selected. *See page 32.*

Adding feature activation codes to the menu

To save a feature activation code, press **Menu** 4 4 4. At the **Feature code:** prompt, enter the feature activation code, then press **OK**. Scroll to the feature that the code applies to, then press **Select**. (If the feature is call forwarding, choose one of the four types of call forwarding.) Finally, scroll to **Activate**, then press **OK**.

Activate now appears in the menu for that feature.

Adding feature cancellation codes to the menu

To save a feature cancellation code, press **Menu** 4 4 4. At the **Feature code:** prompt, enter the feature cancellation code, then press **OK**. Scroll to the feature that the code applies to, then press **Select**. (If the feature is call forwarding, choose one of the four types of call forwarding.) Finally, scroll to **Cancel**, then press **OK**.

Cancel now appears in the menu for that feature.

In-call menu

When you are in a single call, the Navi™ key function is **End**. However, you can use your phone's in-call menu to perform several functions while in a call. To access the in-call menu, press ⓒ to change the Navi™ key function to **Options**, then press **Options**.

Note: If you have an active call and an incoming or held call, pressing ⓒ isn't necessary; **Options** *appears automatically.*

Depending on the number of active calls and whether you are using digital or analog mode, the following in-call options may be available:

Mute/Unmute mute/unmute the phone's microphone
Flash switch between calls
End end all calls
Touch tones send touch tones
Phone book access the phone book

Making/receiving multiple calls

Making a new outgoing call

Select **New call** from the in-call menu, enter or find the desired phone number, then press **Call**. The first call is automatically put on hold.

Note: This feature might not be supported in your network. Contact your service provider for details.

Ending all calls

Select **End** from the in-call menu.

Call waiting

Call waiting is a network service that allows you to receive an incoming call when you're already in a call. Contact your service provider for details.

Answering a waiting call

When you receive a call while already in a call, the Navi™ key function changes from **End** to **Answer**. Press **Answer** to answer the waiting call. The call you were in is put on hold, and the

Navi™ key function changes to Options. To switch between calls, or to end all calls, press Options to access your phone's in-call menu.

For complete information on your phone's in-call menu, see 'In-call menu' on page 28.

Cancelling call waiting: normal method

To cancel call waiting before making a call, you must get the call waiting cancellation code from your service provider.

1 Dial the code for cancelling call waiting (for example, *810).

2 Press Call.

Cancelling call waiting: menu method

You can save the code for cancelling call waiting given by your service provider and then use Menu 4 4 2 2 to cancel call waiting. See 'Adding feature cancellation codes to the menu' on page 28.

Call forwarding

Call forwarding is a network service that lets you forward your incoming calls to another phone number. Check with your service provider for details and feature codes.

Activating call forwarding

Standard method

To activate call forwarding, you must get the call forwarding activation code from your service provider.

1 Dial the code for activating call forwarding followed by the phone number to which you want to forward your calls.

2 Press Call.

Example: If the call forwarding activation code is *71 and the number you want to forward calls to is (214) 555-1234, dial *712145551234, then press Call.

Menu method

You can save the code for activating call forwarding and then use the menu to activate call forwarding (see 'Adding feature activation codes to the menu' on page 28).

Cancelling call forwarding

Standard method

To cancel call forwarding, you must get the call forwarding cancellation code from your service provider.

1 Dial the code for cancelling call forwarding (for example, *710).

2 Press Call.

Menu method

You can save the code for cancelling call forwarding and then use the menu to cancel call forwarding (see 'Adding feature cancellation codes to the menu' on page 28).

1-touch dialing

1-touch dialing lets you make phone calls quickly and easily with the touch of a button. Once you have assigned a phone number to a number key (2 through 8), you can press and hold that key to dial the number. (You can also press the number key briefly and then press Call.)

Note: Keys 1 and 9 are used exclusively for dialing your voice mailbox and for attempting emergency calls, respectively (see 'Voice messages' on page 43 and 'Emergency calls' on page 26).

Assigning numbers to keys

Before you can assign a phone number to a key, the phone number must be saved in your phone book (see page 17). Then follow the steps below.

1 Press Menu 1 5.

2 Scroll to the desired key, then press Assign.

3 Press ⌃ or ⌄ to choose the name you want to assign to the selected key, then press **Select**.

If a key already has a number assigned to it, you can press **Options** and then view, change, or erase the number assignment.

Making calls using 1-touch dialing

Press and hold a number key (2 through 8) for a few seconds to call the number assigned to it. Your phone finds the phone number, displays it briefly, then dials it.

You can also enter the number of the 1-touch dialing key (for example, 2) and press **Call**.

Choosing your phone number (NAM selection)

Your service provider can set up your phone to have two phone numbers that are activated in different service areas—for example, one number for the Dallas area and one number for the Chicago area.

A number assignment module, or NAM, consists of a phone number and network information that the service provider programs into your phone. When you select a NAM, you're not only selecting a phone number, you're also selecting a home system in which you will not be charged roaming fees.

Use **Menu** 4 5 to select a NAM.

Send own number

Send own number is a network service that lets you hide your phone number from a person you are calling who has Caller ID. (If for some reason your network prevents phone numbers from being displayed, you may be able to use this feature to show your number to the person you are calling.) Contact your service provider for feature codes for showing/hiding your phone number.

Standard method

1 Dial the feature code followed by the number you want to call.

2 Press **Call**.

Example: If the feature code to hide your number is *67 and the number you want to dial is (214) 555-1234, dial ****672145551234**, then press **Call**.

Menu method

You can save the feature code given to you by your service provider so that **Send own number** appears in your phone's menu, and then use **Menu** 4 4 7 to use this feature (see 'Network feature setting' on page 28).

This feature must be activated before each call; you cannot permanently turn it on or off.

Yes displays your number to the person you are calling.

No prevents your number from being shown to the person you are calling.

Activate/update services

With this feature you can activate or reactivate your phone without having to go to your service provider. Please refer to the Easy Activation card that was included in your sales package for more information on how to activate or reactivate your phone.

In some cases, when you try to connect to your service provider, the following message may appear on the screen:

Select LOCK to prevent the service provider from changing your carrier lock code. Select UNLOCK to allow the provider to change the code and restrict other providers from activating your phone.

If this happens, select the appropriate selection for your phone. If you don't want your service provider to change your lock code, select **LOCK**. If you want to allow your service provider to

change your code to prevent other service providers from activating your phone, press **UNLOCK**.

Press and hold C for several seconds to return to the Ready screen.

Calling card calls

Before you can make a call using a calling card, you have to enter your calling card information into the phone. See 'Calling card set-up' on page 19.

To make a call using a calling card:

1 Enter the phone number, including any prefix (such as 0 or 1) that your calling card may require when you make a calling card call (see your calling card for instructions).

2 Press and hold **Call** for a few seconds until your phone displays **Card call**.

3 Your phone displays **Wait for tone, then press OK**. Wait for the tone, then press **OK**.

4 Your phone displays **Wait for tone, press OK again**. Wait for the tone again, then press **OK**.

System selection

Using *system selection*, you can choose how your phone selects a network to use. This feature is **Menu** 5 in your phone. The default is **Automatic**, which means your phone automatically searches for networks available to you and chooses the appropriate one. If you choose Home area, your phone does not go into roam mode (does not search for other networks), and you will not be billed roaming charges.

Automatic answer

This feature is available only when your phone is connected to a headset or to an approved handsfree car kit equipped with the ignition sense option, with the ignition on.

When automatic answer is turned on, your phone answers incoming voice calls after one ring. Use **Menu** 4 1 4 to turn this feature on or off.

Touch tones

Your phone can generate various sounds, called *touch tones*, when the keys are pressed.

Touch tones can be used for many automated services such as checking voice mail, movie times, and airline arrival/departure times.

Note: Sending confidential information over the air using touch tones is not recommended.

Setting manual touch tone length

Use **Menu** 4 2 1 1 to set the length of touch tones created when you press a key:

Continuous sounds the tone for as long as you press and hold the key.

Fixed sets the tone length to one tenth of a second, regardless of how long you press and hold the key.

Off turns off touch tones. No tones are sent when you press the keys.

Setting automatic touch tone length

Use **Menu** 4 2 1 2 to set the length of touch tones sent automatically by the phone to **Short** (one tenth of a second) or **Long** (half a second).

Saving touch tone strings

Touch tone strings can be used for sending and receiving information with your phone. Save touch tone strings the same way you save phone numbers (see 'Saving names and numbers' on page 37).

For example, you can save your office voice mailbox number along with your password for easy access to your messages (see 'Special characters in phone numbers' on page 12).

Sending touch tone strings

1 During a call, press C to clear any numbers from the screen.

2 Press **Options**.

3 Scroll to **Touch tones**, then press **OK**.

4 Enter or find the touch tone string, then press **OK**.

Restore factory settings

You can use **Menu** 4 2 2 to reset many of the settings in your phone to their factory defaults (as in a new phone). You are required to enter the security code.

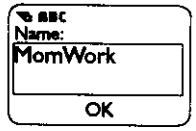
Note: The phone book, language setting, call timers, security code, and lock code are not affected.

8. Phone book

For convenient and easy dialing, you can save 100 phone numbers and associated names in your phone.

Saving names and numbers

Saving a name and number is easy! Just enter the phone number, press ▽ or △, then press **Save**. Enter a name if you wish, then press **OK**.



Saving a number quickly

To save a number quickly, enter the phone number, press ▽ or △, then press *and hold* **Save**. The number is saved to your phone book and you can add a name to it later (see 'Editing names and numbers' on page 38).

Saving a name and number while in a call

To save a name and number while in a call, enter the number, press **Options**, scroll to **Phone book**, scroll to **Add new**, enter a name if you like, and press **OK**. The phone displays the phone number you entered; edit it if necessary, then press **OK**.

Notes about saving names

- A name may appear only once in memory. If you try to save a name that already exists in memory, the phone asks if you want to replace the existing name.
- If you try to save a phone number and your phone book is full, you are given the option to replace an existing entry. Scroll to the entry you want to replace and press **OK**, or press C to cancel.

Finding names and numbers

There are several ways to find names and numbers in your phone book.

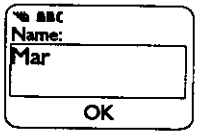
From the Ready screen

Press ⌄ to access your phone book, then scroll to the desired name/number.

Tip: You can also press the number key that corresponds to the first letter of the name. (To skip ahead quickly in the list, press the number key that corresponds to the first letter of the name. For example, if you want to call your friend Katy, press the 5 key twice, quickly; once for the letter j, and once for the letter k.) The first matching entry is displayed at the top of the screen.

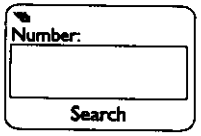
Using the Phone book menu

Press **Menu** 1 1, enter the first few letters of the name, then press **OK**. Your phone displays the first matching entry at the top of the screen.



While performing other functions

Say you want to forward your phone calls to a number that is saved in your phone book. When you are prompted to enter the phone number, you can find it instead—simply press **Search** to access your phone book.



Editing names and numbers

To edit phone book entries, press **Menu** 1 3, scroll to the entry you want to edit, then press **Edit**. Edit the name and number as needed.

Erasing names and numbers

Use **Menu** 1 6 to erase entries from your phone book. **One by one** lets you select one entry at a time to be erased. **Erase all** erases your entire phone book (you are required to enter your security code first).

Scrolling view

Use **Menu** 1 4 1 to choose a scrolling view for your phone book (**Name list**, **Name+number**, or **Name only**).

Tip: If you're viewing your phone book and scrolling view is set to **Name list** or **Name only**, you can view the phone number associated with a name by pressing and holding 0#.

Checking available memory

Use **Menu** 1 4 2 to see how many memory locations are free and how many are being used. (Each memory location holds one phone number and associated name.)

9. Call log

For your convenience, the *call log* (Menu 3) saves a list of phone numbers you have dialed, and can show you approximately how much time you have spent on the phone. If you subscribe to the caller ID network service, the call log also records the phone numbers of missed calls and received calls. Contact your service provider for details.

The Options key

When you access **Missed calls**, **Received calls**, or **Dialed calls** and press **Options**, a list of options appears on your phone's screen.

Call dials the number.

Call time shows the time of the call. (Your phone's clock must be set; see page 21.)

Use number shows you the number before you dial it.

Save lets you enter a name for the number, edit the number if needed, and save both to your phone book.

Erase erases the number from the call list.

View number displays the associated phone number if only the name is currently displayed.

Missed calls

If you subscribe to the caller ID network service, your phone automatically stores the last 10 numbers that have tried unsuccessfully to reach you (as long as the caller allowed his or her number to be shown to you).

When the screen says Missed calls

Press **List**. If you have missed more than one call, you can scroll through the list of numbers. To dial the displayed number, press **Options**, then choose **Call**.

Viewing the missed calls list at any time

Use **Menu** 3 1 to view the missed calls list at any time. To dial a number, press **Options**, then choose **Call**.

Received calls

If you subscribe to the caller ID network service, your phone automatically stores the phone numbers of the 10 most recent calls you've answered. Use **Menu** 3 2 to view the received calls list. To dial a number, press **Options**, then choose **Call**.

Dialed calls

Your phone automatically stores the last 10 numbers you've dialed. From the Ready screen, press ⏛ to access the dialed calls list. Scroll to the desired number, then press **Call**.

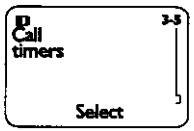
Note: To perform any of the options listed on page 40, access the dialed calls list by pressing **Menu** *3 3.*

Clearing call lists

Use **Menu** 3 4 to clear the missed, dialed, and/or received call lists.

Call timers

Use **Menu** 3 5 to access this feature. *Call timers* lets you see the amount of time you've spent in calls. Times are for the currently selected phone number; your phone has a separate timer for each phone number, or NAM (see page 32).



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

Viewing call timers

Use **Menu** 3 5 to view the various call timers.

Last call displays the duration of the last call, or current call if applicable.

All calls displays the duration of all calls since the timers were last reset.

Life timer displays the duration of all calls for the life of your phone and cannot be reset.

Setting timers back to 0

Use **Menu** 3 5 4 to clear call timers. You are required to enter your security code.

Displaying the current call timer during calls

1 Press **Menu** 3 5 1.

2 Press **Details**.

3 Press **Select**.

4 Scroll to **On**, then press **OK**.

During a call, the amount of time spent in that call is displayed.

10. Voice messages

Voice mail is a network service that allows callers to record a message when you cannot be reached. You can then call your voice mailbox and retrieve your messages.

Saving your voice mailbox number

When you subscribe to voice mail, your service provider gives you a voice mailbox number. You should save this number so you can call your voice mailbox by pressing and holding 1 (see 'Voice mailbox number' on page 25).

In addition to a voice mailbox number, your service provider may also give you a password, which you can save along with your voice mailbox number. This way, you can access your voice mailbox and then quickly send your password by pressing the **Navi™** key rather than dialing your password separately.

If your service provider gives you a password and you want to save it with your voice mailbox number, refer to 'Special characters in phone numbers' on page 12.

Listening to new voice messages

When you receive a voice message, your phone may notify you by beeping, displaying the voice message indicator , and displaying **New voice message**. The phone may display the number of messages if there is more than one.

Note: The method of notification depends on your service provider.

When your phone notifies you that you have a new voice message, press **Listen**. Your phone dials your voice mailbox number, if you have saved it.

If you received a voice mailbox password, and if you saved it with your voice mailbox number, follow these steps:

1 When your phone notifies you that you have a new voice message, press **Listen**. Your phone dials your voice mailbox

number, and your password displays.

2 When your phone notifies you that you're able to listen to your messages, press Send.

Note: The method of notification depends on your service provider. If you have any questions about voice messaging, contact your service provider.

Calling your voice mailbox at any time

Once you have saved your voice mailbox number, you can press and hold 1 to dial your voice mailbox.

11. Text messages

With the text message network service you can receive text messages from a variety of sources, such as another wireless phone or a Web site set up by your service provider.

Your phone can handle messages of up to 240 (250 (?)) characters, but your service provider might only support messages of up to 110 (?) or 140 (?) characters.

Contact your service provider for more information about this network service.

Reading messages

When you receive a text message, the phone displays the ✉ indicator, either **Message received** or **New emergency message** (if an emergency message has been received), and makes a sound (depending on the message alert tone; see 'Message alert tone' on page 23).

To read the message, press **Read**. This takes you to the Inbox, with the new message selected. Press **Read** again. If necessary, use the scroll keys to read the entire message.

After reaching the end of the message, use the scroll keys to view the sender's name or phone number, and the date and time the message was received.

Options when reading messages

Several options are available while you're reading a message. Just press **Options**, scroll to the one you want, then press **OK**.

Read next lets you read the next message.

Erase deletes the message. Press **OK** to confirm the deletion (or C to cancel).

Call back calls any phone number included in the message. If more than one number was included, a list of numbers is displayed. Choose one and press **Call**.

Save saves the message in the Saved folder.

When you've seen the last new message, the ✉ indicator disappears.

About the Inbox

The Inbox holds text messages that have not been deleted or saved. Use **Menu** 2 1 1 to access the Inbox at any time.

You see a list of message headers. The 🗋 icon in front of the header indicates that a message has been read. The 🖂 icon indicates that a message has not been read. Scroll to the desired message, then press **Read**.

About the Saved folder

The *saved folder* holds up to 30 saved text messages and a total of 3100 characters. Use **Menu** 2 1 2 to access the Saved folder and read saved messages.

Storage of incoming messages

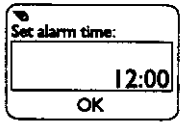
When you have an incoming text message and your phone's memory is full, one or more low-priority messages are automatically deleted in order to receive the new text message. Messages are usually deleted from your Inbox, but an emergency message may cause messages to be deleted from the Saved folder.

If the message memory is still full, your phone displays **No space: message waiting**. You can clear this notification by pressing **OK**. You should delete one or more old messages to make room for the new message. The network will re-send the message at a later time.

12. Extra features

Alarm clock

The alarm clock feature sounds an alert at a time you specify.



Setting the alarm clock

Use **Menu** 7 1 to turn the alarm clock on or off.

Note that when you're entering the alarm time, use two digits for both hours and minutes (for example, enter 1:30 as **0130**).

Note: Pressing C does not work on this screen. If you make a mistake, re-enter all four digits. Press up or down on the scroll keys to move the cursor. The number you press is entered to the right of the cursor.

Alarm volume

The alarm volume is determined by the current ringing volume. However, if you have manually set the ringing option (see page 22) to **Silent** or **Beep once** or have selected the **Silent** or **Quiet** quick alert setting (see page 24), the phone only sounds a quiet beep.

When the alarm sounds

- To shut off the alarm, press any key except **Snooze**.
- If you press **Snooze**, the alarm sounds again in ten (?) minutes. To turn off the alarm before then, press **Stop**.
- If you let the alarm sound for one minute without pressing a key, it stops for ten (?) minutes, then starts again.

If you turn off the phone

If you turn off the phone and the alarm is set, the phone switches itself on at alarm time, then the alarm sounds.

- To shut off the alarm, press any key except **Snooze**. The

phone displays **Keep the phone on?**. Press **Yes** to keep it on or ⓒ to switch it off.

- If you press **Snooze**, the phone turns itself off for ten (?) minutes, then the alarm sounds again.

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

Games

Use **Menu** 6 to challenge yourself or a friend to the four fun games in your phone. To pause a game, press ⓒ. To resume, choose **Continue**.

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

Memory

Reveal pictures to find pairs in as few tries as possible. Move the cursor with the 2 (up), 4 (left), 6 (right), and 8 (down) keys. Press the 5 key to reveal pictures. Once found, pairs stay visible. Press ⓪# to jump to the right over revealed pictures or to move from the bottom right of the screen to the top left. Press ⓐ* to jump to the left over revealed pictures or to move from the top left of the screen to the bottom right.

Snake

Feed the snake with as many goodies as possible and watch it grow. Use keys 2, 4, 6, and 8 to turn the snake toward food. The longer the snake's tail grows, the higher your score. If the snake hits its own tail or the surrounding wall, the game is over.

Logic

Find the secret combination of figures in a column. Possible figures are shown at the top of the screen. Press the 5 key repeatedly to select a figure and the 2, 4, and 8 keys to move the cursor. Once you think you have the right combination, press ⓐ*. The result appears as a set of marks above the column. A correct figure in the right place gets a full mark; a correct figure in the wrong place gets a half mark. The game ends when the correct figures are in the right place.

Tip: To copy a figure from the previous column, move the cursor over it using the 2, 4, or 8 key, then press the 5 key.

13. Security features

Access codes overview

Access codes consist of the lock code and security code. When you get your phone, you should change these codes from their defaults, write down the new codes, and keep them in a safe place away from the phone. Avoid using access codes that are similar to emergency numbers, such as 911, to prevent accidental dialing of the emergency number.

Lock code

Your phone's *lock code* is used to lock and unlock your phone. The default lock code is 1234. Use **Menu** 4 3 2 3 to change the lock code.

When the phone requires the lock code, it displays **Enter lock code:**. Enter the code, then press **OK**.

If you enter a wrong lock code five times in succession, your phone prompts you for the security code.

Security code

The *security code* is required to restrict calls and to restore factory settings. The default security code is 12345. Use **Menu** 4 3 2 4 to change the security code.

When the phone requires the security code, it displays **Security code:** Enter the code, then press **OK**.

If you enter an incorrect security code five times in succession, the phone will not accept any input for the next five minutes.

Restricting calls

Use **Menu** 4 3 1 to restrict outgoing or incoming calls. This is handy if you want to lend your phone to someone but don't want them to make long-distance or other expensive calls.

Restricting incoming calls

You can block all incoming calls or create a list of incoming numbers from which you don't want to receive calls. To block all incoming calls, enter your security code, scroll to **Select** and press **OK**, then press **Mark**.

Press **Unmark** if you want to remove the restriction.

Press , then press **Yes** to save your changes (or to cancel).

Note: This feature requires the caller ID network service, and the caller's ID must be available to the phone in order for the restriction to work.

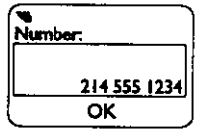
Adding numbers to the restricted incoming calls list

A call restriction can consist of an entire phone number, an area code, etc. When the restriction is selected, calls cannot be received from any number beginning with those digits. For example, entering **2145551234** blocks calls from (214) 555-1234 only. **214** blocks all calls from the 214 area code.

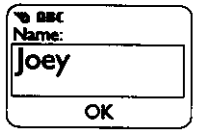
To create a list of incoming numbers from which you don't want to receive calls, enter your security code, then press **OK**. Continue with the steps illustrated below.

1 Scroll to **Add restriction**, then press **OK**.

2 Enter the phone number, area code, etc. of the number from which you want to restrict calls, then press **OK**.



3 If you want, give a name of up to 10 characters to the restriction (such as Joey), then press **OK**.



The entry is added to your list of restricted numbers. Your phone can save up to 15 restricted incoming

numbers. Once you enter 15 restricted numbers, the **Add restriction** option is removed from the menu. This option is available again once you delete one or more phone numbers from the restricted list.

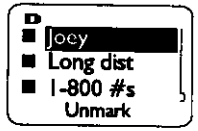
Note: Your phone does not alert you to incoming calls from restricted numbers unless the caller leaves a voice message.

Making changes to the restricted incoming calls list

To edit or completely erase an entry in the list, choose **Edit** or **Erase**, select the entry you want to edit or erase, and follow the instructions on the screen.

Allowing calls from a number on the list

If you later decide to allow calls to a restricted number, scroll to **Select** and press **OK** to see your list of numbers. Press **Unmark** to remove the restriction. (The number remains in the list so that you can restrict it again later by pressing **Mark**.) When you're done, press C. Press **Yes** to save your changes (or C to cancel).



Restricting outgoing calls

You can block all outgoing calls or create a list of numbers to which outgoing calls cannot be made. To block all outgoing calls,

1 Enter your security code and press **OK**.

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

3 With **All calls** highlighted, press **Mark**.

4 Press C, then press **Yes** to save your changes (or C to cancel).

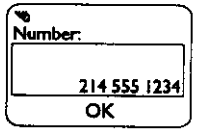
Adding numbers to the restricted outgoing calls list

A call restriction can consist of an entire phone number, an area code, etc. When the restriction is selected, calls cannot be made to any number beginning with those digits. For example, entering **2145551234** blocks calls to (214) 555-1234 only. **1** blocks all calls starting with 1, including long distance calls and 1-800 calls. **1800** blocks 1-800 calls only.

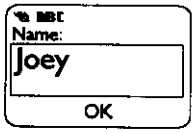
To prevent your phone from making outgoing calls, scroll to **Add restriction** and press **OK**.. Continue with the steps illustrated below.

1 Scroll to **Add restriction**, then press **OK**.

2 Enter the phone number, area code, etc. to which you want to restrict calls, then press **OK**.



3 If you want, give a name of up to 10 characters to the restriction (such as **Joey**, **Long dist**, or **1-800 #s**), then press **OK**.



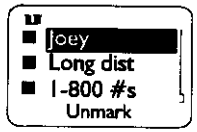
The entry is added to your list of restricted numbers. Your phone can save up to 10 restricted outgoing numbers. Once you enter 10 restricted numbers, the **Add restriction** option is removed from the menu. This option is available again once you delete one or more phone numbers from the restricted list.

Making changes to the restricted outgoing calls list

To edit or completely erase an entry in the list, choose **Edit** or **Erase**, select the entry you want to edit or erase, and follow the instructions on the screen.

Allowing calls to a number on the list

If you later decide to allow calls to a restricted number, scroll to **Select** and press **OK**. You can now see your list of numbers. Press **Unmark** to remove the



restriction. (The number remains in the list so that you can restrict it again later by pressing Mark.) When you're done, press C. Press Yes to save your changes (or C to cancel).

Phone lock

You can prevent unauthorized use of your phone by locking it. When your phone is locked, only incoming calls and calls to the unlocked phone number (see below) are allowed. The memory and menu are unavailable.

Note: Calls may still be possible to emergency numbers.

How to lock your phone

Press Menu 4 3 2 1. Enter the lock code (see page 50), then press OK. Scroll to On, then press OK.

How to unlock your phone

Press Menu, enter the lock code, then press OK.

Answering a call when the phone is locked

Press Answer.

Saving the unlocked phone number

Use Menu 4 3 2 2 to save a number that may be called even when your phone is locked. You are required to enter the lock code.

Calling the unlocked phone number

Press ▽ or ▽, or manually enter the number exactly as it is saved, then press Call.

14. Accessories

An extensive range of accessories is available for your phone. You can select the accessories that best suit your specific communication needs. For availability, see your local authorized Nokia dealer.

A few practical rules for accessory operation:

- Keep accessories out of small children's reach.
- When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Installation of complex car equipment must be completed by qualified personnel only.

WARNING!

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

Nokia Xpress-on™ color covers

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

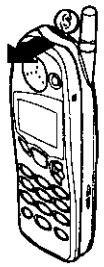
Note: Always store your phone with the cover attached.

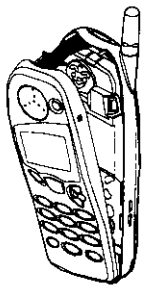
Changing covers

When changing covers, don't use the phone's antenna as leverage!

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

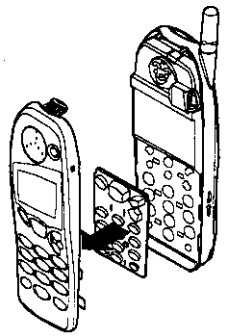
2 Using a coin, depress the colored tab on the top of the phone and slide the color cover forward.

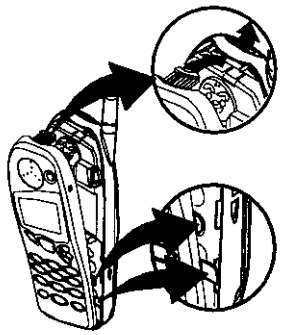




3 Remove the cover.

4 Remove the rubber keypad from the back of the cover. Place it into the back of the new cover.





5 Place the bottom of the cover against the bottom of the phone. Make sure all three sets of plastic tabs line up with their respective slots, as shown at left. Close the cover and snap it shut all the way around the edge of the phone.

Batteries

Several batteries are available for your phone:

- BLS-2 Extended Li-Ion 900 mAh
- BMS-2S Extended NiMH 900 mAh
- BMS-2V Vibrating NiMH 900 mAh
- BLS-4 Ultra Extended Li-Ion 1500 mAh

Charging times

The table below displays approximate battery charging times. These charging times charge your phone to about 80% of its capacity, and the battery strength indicator stops scrolling. If you wish to obtain 100% battery capacity, please allow another two hours for "maintenance" charge.

BLS-2 Extended Li-Ion 900 mAh	4 hours	2 hours
BMS-2S Extended NiMH 900 mAh		1.5 hours
BMS-2V Vibrating NiMH 900 mAh		
BLS-4 Ultra Extended Li-Ion 1500 mAh	5 hours	3.5 hours

Talk and standby times

The table below displays approximate talk and standby times. Variations occur depending on network settings and usage.

BLS-2 Extended Li-Ion 900 mAh	2 - 3.25 hours	1 - 1.75 hours	100 - 200 hours	30 - 50 hours
BMS-2S Extended NiMH 900 mAh				
BMS-2V Vibrating NiMH 900 mAh				
BLS-4 Ultra Extended Li-Ion 1500 mAh	3 - 5 hours	1.5 - 2.75 hours	170 - 335 hours	50 - 83 hours

NiMH
Li-Ion

Nickel Metal Hydride and Lithium Ion batteries must be recycled or disposed of properly. They must not be disposed of in municipal waste.

Chargers and other accessories

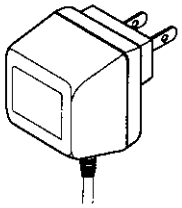
WARNING!

This apparatus is intended for use when supplied with power from the Standard Travel Charger (ACP-7U), Rapid Travel Charger (ACP-9U), or Rapid Cigarette Lighter Charger (LCH-9). Other usage will invalidate any approval given to this apparatus and may be dangerous.

The following chargers and other accessories are available for your phone; please see your dealer for details. Also, refer to any accessory options manual that may have been included in your sales package for the entire line of authentic Nokia accessories.

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

ACP-7U Standard Travel Charger



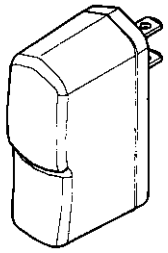
Use this durable and economical charger to charge all battery options. Plug the charger into a wall outlet and connect the connector to the bottom of your phone. Check the charging status on your phone's screen.

Calls can be made during charging, but charging will stop for the duration of the call and the battery bar scrolling stops.

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

The Standard Travel Charger is available for different voltage levels and can also be used with the DCH-9 Compact Desktop Charging Stand.

ACP-9U Rapid Travel Charger

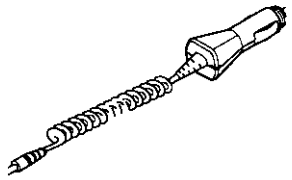


The extremely light, functionally designed Rapid Travel Charger charges your phone battery quickly.

Plug the charger into a wall outlet and connect the connector to the bottom of your phone. Check the charging status on your phone's screen. You can use your phone while charging.

Operating within a voltage range of 100V-240V AC (50Hz-60Hz), the Rapid Travel Charger is practically voltage-independent in normal office and household use. Like the Standard Travel Charger, the Rapid Travel Charger is compatible with all battery options. The Rapid Travel Charger can also be used with the DCH-9 Compact Desktop Charging Stand.

LCH-9 Rapid Cigarette Lighter Charger



Using the multivoltage Rapid Cigarette Lighter Charger, you can charge your phone when you travel. The small charger's functional design fits well with most car lighters and interiors.

Charging times are the same as for the Rapid Travel Charger ACP-9U. Calls can be made during charging.

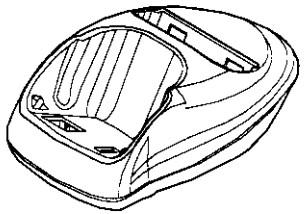
A green light indicates that the Rapid Cigarette Lighter Charger is ready to charge. Check the charging status on your phone's screen. The input voltage is 12 or 24 V DC, negative grounding.

The Rapid Cigarette Lighter Charger can be used with all accessories available for your phone.

Avoid prolonged charging with the Rapid Cigarette Lighter Charger when the car engine is not running. This may cause the battery of your car to drain.

Note: In some cars the cigarette lighter plug is not provided with power when the ignition is switched off. Verify that the green LED light is lit.

DCH-9 Compact Desktop Charging Stand



Compatible with all battery options, the Compact Desktop Charging Stand can be used with the Standard Travel Charger ACP-7U or the Rapid Travel Charger ACP-9U. The Compact Desktop Charging Stand provides mounting for both the phone and a spare battery. Plug the charger into a wall outlet and connect the connector to the back of the Compact Desktop Charging Stand. Place your phone and/or a spare battery in the stand to begin battery charging.

When the phone is charging, no lights are displayed on the stand; check the charging status of the phone battery on your phone's screen.

Charging moves to the rear slot once the front battery is 100% charged.

When the spare battery is charging, check the status indicator on the left side of the charging stand. A red light indicates that the battery is charging; a green light indicates that the battery is charged to at least 80% of its capacity.

BLS-2 Extended Li-Ion 900 mAh	6 hours, 30 minutes	8 hours, 30 minutes	4 hours, 30 minutes	5 hours, 30 minutes
BMS-2S Extended NiMH 900 mAh				
BMS-2V Vibrating NiMH 900 mAh				
BLS-4 Ultra Extended Li-Ion 1500 mAh	12 hours	15 hours, 45 minutes	8 hours	10 hours, 30 minutes

The phone has the built-in intelligence to maintain the battery, so there is no need for a discharge feature on the stand.

15. Reference information

Important safety information

Traffic safety

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

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

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.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

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

Electronic devices

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

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (20 cm.) 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 6 inches (20 cm) from their pacemaker when the phone is switched on;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing aids

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

Other medical devices

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

Vehicles

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

Posted facilities

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

Potentially explosive atmospheres

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

Users are advised to switch off the phone while at a refueling 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.

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 the suspension or denial of telephone services to the offender, or legal action, or both.

Emergency calls

IMPORTANT!

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user- programmed functions which cannot guarantee connection in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (e.g. medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

Making an emergency call

1 If the phone is not on, switch it on.

2 Press and hold ⓒ for several seconds to ready the phone for calls.

3 Key in the emergency number for your present location (e.g. 911 or other official emergency number). Emergency numbers vary by location.

4 Press Call

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

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

Radio frequency (RF) signals

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992)*, NCRP Report 86 (1986)*, ICNIRP (1996)*.

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards).

**American National Standards Institute, National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection.*

Care and maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfill any warranty obligations and allow you to enjoy this product for many years. When using your phone, battery, charger, OR any accessory:

- Keep it and all its parts and accessories out of small children's reach.
- Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use or store it in dusty, dirty areas as its moving parts can be damaged.
- Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store it in cold areas. When the phone warms up (to its normal operating temperature), moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not attempt to open it. Non-expert handling of the device may damage it.
- Do not drop, knock or shake it. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint it. Paint can clog the device's moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications or attachments could damage the phone and may violate regulations governing radio devices.
- If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

16. Technical information

Transmitting power:	Up to 600 mW nominal
Operating voltage:	3.6 V nominal
Frequency band:	824.040 - 848.970 MHz (TX) 869.040 - 893.970 MHz (RX)
Number of channels:	831 lowband
Number of NAMs	2
Memory locations:	100
Memory capacity:	16 characters per name 32 characters per number

USA
Nokia Mobile Phones
6200 Courtney Campbell Causeway, Ste. 900
Tampa, FL 33607
Tel: 1-888-NOKIA2U (1-888-665-4228)

CANADA
Nokia Products Ltd.
575 Westney Rd. South
Ajax, Ontario L1S 4N7
Tel: (905) 427-6654

Part No. NNNNNNN 00/98

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The information contained in this User Guide was written for Nokia phone NSD-1GX.

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17. Nokia Limited Warranty

Nokia Mobile Phones, Inc. ("NMP") warrants that this cellular phone ("Product") is free from defects in material and workmanship, according to the following terms and conditions:

1. The limited warranty for the Product extends for one (1) year beginning on the date of purchase of the Product.

2. The limited warranty extends only to the original consumer 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.

4. During the limited warranty period, NMP will repair, or replace, at NMP's option, any defective parts, or any parts that will not properly operate for their intended use with new or factory rebuilt replacement items. No charge will be made to the Consumer for any such parts. NMP will also pay for the labor charges incurred by NMP in repairing or replacing the defective parts. The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.

5. Upon request from NMP, the Consumer must provide information to reasonably prove the date of purchase.

6. The Consumer shall bear the cost of shipping the Product to NMP in Melbourne, Florida. NMP shall bear the cost of shipping the Product back to the Consumer after the completion of service under this limited warranty.

7. The Consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:

a) The Product has been subject to: abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of NMP, including damage caused by shipping and blown fuses.

b) NMP was not notified by Consumer of the alleged defect or malfunction of the Product during the applicable limited warranty period.

c) The Product serial number plate or the accessory date code has been removed, defaced or altered.

d) The defect or damage was caused by the defective function of the cellular system, or by inadequate signal reception by the external antenna.

8. If a problem develops during the limited warranty period, the Consumer should 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 the Consumer shall ship the Product prepaid and insured to:

Nokia Mobile Phones, Inc.
Attn: Repair Department
795 West Nasa Blvd.
Melbourne, FL 32901

The customer 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 shall be responsible for expenses related to reinstallation of the Product.

e) If the Product is returned to NMP during the limited warranty period, but the problem with the Product cannot be fixed under the terms and conditions of this limited warranty, the Consumer will be notified and given an estimate of the charges the Consumer must pay to have the Product repaired, with all shipping charges billed to the Consumer. If the estimate is refused, the Product will be returned freight collect. If the Product is returned to NMP after the expiration of the warranty period, NMP's normal service policies shall apply and the Consumer will be invoiced for all shipping charges.

9. The Product consists of newly assembled equipment that may contain used components which have been reprocessed to allow machine compliance with Product performance and reliability specifications.

10. ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING WRITTEN WARRANTY, OTHERWISE, THE FOREGOING WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NMP SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR A LOSS OF ANTICIPATED BENEFITS OR PROFITS, RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM THE BREACH OF THE WARRANTY EVEN IF NMP KNEW OF THE LIKELIHOOD OF SUCH DAMAGES.

11. Some states do not allow limitation of how long an implied warranty lasts, so the above limitation may not apply to you (the Consumer). Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusions may not apply to you (the Consumer). This limited warranty gives you specific legal rights and you may also have other rights which vary from state to state.

12. NMP neither assumes nor authorizes any authorized service center or any person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty.

13. Questions concerning this limited warranty may be directed to:

Nokia Customer Service
6200 Courtney Campbell Causeway, Ste. 900
Tampa, FL 33607
phone: 1-888-NOKIA2U (1-888-665-4228) or (813) 288-3800
fax: (813) 287-6612

14. The limited warranty period for NMP supplied attachments and accessories are specifically defined within their own warranty cards and packaging.

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