NOKIA®
2180

NOKIA
CONNECTING PEOPLE

The Keys

Call Indicator Light
Lights up when someone is calling.

(PWR)
Press and hold to switch your phone on and off.

Soft keys. The function of these keys changes to suit the current operation.

Volume
Adjusts volume of earpiece or speaker.

Deletes characters and clears the display.

▼▲
Scroll the menu and Personal Directory. Press and hold for continual scrolling.

(SND)
"Dials" the number on the display.

NOKIA

DIGITAL

(CLR)

(SND)

(END)

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

(ABC)
Alpha/ numeric mode selection. Allows you to toggle between letters and numbers.

(END)
Push this key to end a phone call. It also stops the ringing when you receive a call.
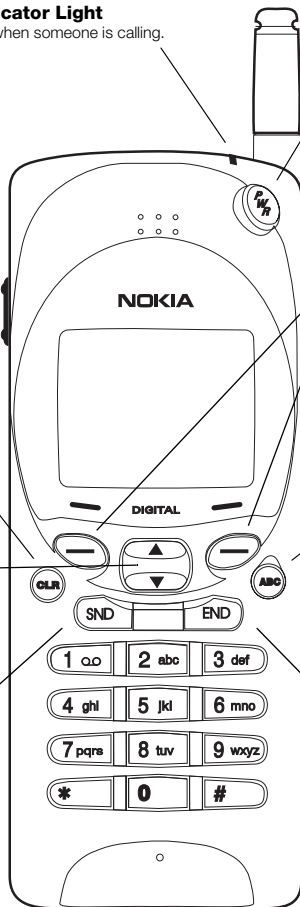
The Display

A: Current system in use is **A**
B: Current system in use is **B**
No indicator: Service is unavailable

A call is in progress
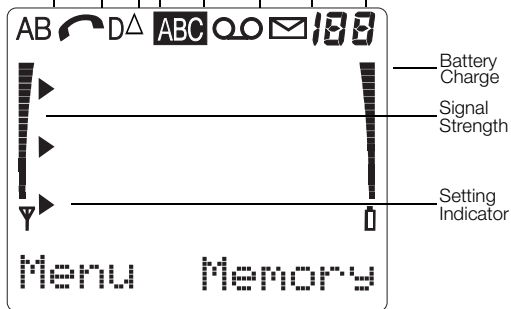
Digital service is available

Roaming Indicator
Phone is roaming in a non-preferred system

Your phone is in alpha mode

You have a voice message(s)

You have a text message(s)

Memory location, menu, or option number

AB 📞 D△ **ABC** ꙩ ✉ *1 8 8*

Battery Charge

Signal Strength

Setting Indicator

Menu   Memory

Menu and Memory (above) change with menu selection and determine the function of the soft keys (see previous page).

Table of Contents

1. Safety At A Glance

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

For more detailed safety information, see "For Your Safety" on page 64.

Road Safety Comes First

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

Switch Off In Hospitals

Switch off your phone when near medical equipment. Follow any regulations or rules in force.

Switch Off On Aircraft

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

Switch Off When Refueling

Do not use your phone at a refueling point. Do not use near fuels or chemicals.

Switch Off Near Blasting

Do not use your phone where a blasting operation is in progress. Observe restrictions, and follow any regulations or rules in force.

Use Sensibly

Use only in the normal position (to ear). Avoid unnecessary contact with the antenna when phone is on.

Interference

All mobile phones may be subject to radio interference, which may affect the performance of your phone. Therefore, you should never rely solely upon any cellular phone for essential communications (e.g., medical emergencies).

Qualified Service

Only qualified service personnel may install or repair cellular phone equipment. Use only approved accessories and batteries.

1

Using this Owner's Manual

The wireless phone described in this manual is approved for use in AMPS/CDMA networks.

A number of functions included in this manual are called Network Services. They are special services provided by cellular service providers. Before you can take advantage of any of these Network Services, you must subscribe to the service(s) you require from your home service provider. You can then activate these functions as described in this manual.

The manual activation commands for various network services are not presented in this manual (e.g. using ∗ and # characters for activating or deactivating services). Nevertheless, your phone is capable of handling commands given in that form. For these commands please consult with your service provider.

FCC/Industry Canada Notice

Your phone may cause TV or radio interference (e.g. when using a telephone in close proximity to receiving equipment). The FCC/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.

2. Your Phone's Battery

When you first opened the box for your phone, you should have found at least one battery and charger, one transceiver, and this user guide. *For detailed information on these items, see "Accessories" on page 58*.

To install your battery

Simply (1) place the battery in the grooves on the back of your phone. Then (2) slide the battery upward until it clicks.
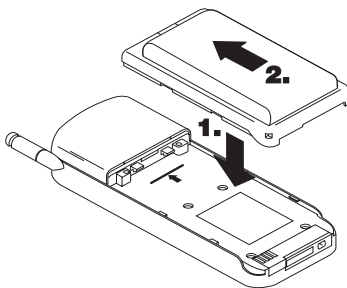
To remove your battery

First switch off your phone. Then (1) press the button on top of your battery, (2) slide the battery back, and (3) lift away from your phone.

STOP
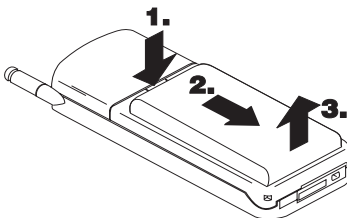
New batteries must be charged for at least 24 hours before initial use, with your phone off. A new battery's full performance is achieved only after two or three complete charge and discharge cycles!

IMPORTANT: Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer. *See "Important battery information" on page 6.*

When should you charge?

With only a couple of minutes of talk time remaining, your phone will warn you with a tone and BATTERY LOW will appear on your display.

Once all the power has been drained from your battery, you'll hear three beeps with the message RECHARGE BATTERY on your display. At this point, your phone will switch itself off.

To charge or recharge your battery

You can charge your phone while it is on or off. Simply connect the lead from the charger to the bottom of your phone or place it on a charging stand. Then connect the charger to a standard 120V AC outlet.
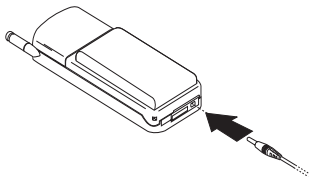
When the battery begins charging, the battery strength indicator on the right side of the display will scroll and your phone will beep once.
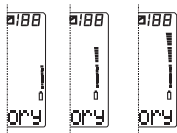
When is charging complete?

To allow the battery to completely charge, wait for the charge indicators to stop scrolling. At this point, your phone is considered fully charged. However, a slight increase in charge may occur if the phone is left connected to the charger, this is called "trickle charge."

Charging times depend on which type of battery and charger is used. *For approximate charging and operating times, see "Accessories" on page 58.*

When charging is completed, disconnect the charger from the AC outlet and from your phone.

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

Can you make calls while charging?

Yes, you can. But your battery will not charge while a call is in progress. Charging will resume when you end the call.

What if charging fails?

If your phone displays NOT CHARGING, charging is suspended. Make sure the battery is connected to an approved charging device and that the battery is at room temperature. Extreme temperatures, hot or cold, can affect your battery's performance and prevent charging.

If charging still fails, disconnect the charger from your phone. Then reconnect the charger to your phone and retry. If you still experience charging problems, contact your dealer and, if necessary, bring your phone in to have it serviced. Also remember to bring in your battery and charger.

To discharge your battery

There are two ways to properly discharge a battery. You can leave your phone on while your battery drains, finally turning itself off. Or you can use the discharge facility of any approved accessory equipped with this feature.

Your battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time is noticeably shorter than normal, and reconditioning fails to extend its life, it's time to buy a new battery.

Important battery information

For good operation times, discharge the battery 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.

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 at room temperature.

When the battery is not in use, store it uncharged in a cool, dark and dry place.

Temperature extremes will affect the ability of your battery to charge: it may require cooling or warming first.

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 terminal may damage the battery or the connecting object.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged or worn out.

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 battery performance is particularly limited in temperatures below 14°F (-10°C).

The battery is a sealed unit with no serviceable parts. Don't attempt to open the case.

Don't dispose of a battery in a fire! Dispose of used batteries in accordance with local regulations. Recycle!

Using your phone near the network's base station consumes less power. Keeping the antenna fully extended whenever possible maintains the connection to the network with less power.

Your phone switches itself off if the operating temperature of your phone exceeds 158°F/ 70°C. Also, it switches off after 12 hours if connected to a Compact Handsfree Car Kit.

When the battery charge is very low, your phone reduces the power at which it transmits radio signals to extend the talk time. This may affect the quality of calls.

In some vehicles, the ignition must be on in order to charge your phone with the Mobile Charger.

3. Signal Strength

Your phone operates on radio waves, and the quality of radio reception depends entirely on the strength of the radio signal in your area.

Because the radio coverage is maintained by a wireless network, the quality of calls on a wireless phone depends on the strength of the wireless radio signal.

The stronger the radio signal, the better the call quality. A strong signal is indicated by the signal indicators on the left side of your phone's display, which scroll as the strength of the signal increases and decreases.

Increasing your phone's signal may be easy. Try moving your phone slightly, or move towards a window if you're calling from inside a building.

No service

If you're outside the wireless service area, NO SERVICE will display on your phone. No calls can be made or received, including emergency calls.
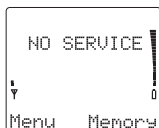
Unavailable service

When network service is unavailable from your service provider or its affiliates, emergency calls may be possible via other networks to their designated emergency number only (e.g. 911 or some other official emergency number).
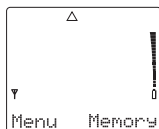
Your phone's display will remain empty, but a Δ will appear at the top of your screen. No other calls can be made or received.

Also, see "To Make An Emergency Call" on page 11.

4. The Basics

Your phone has many different features, some more advanced than others. This chapter highlights some very basic features which you are most likely to use every day.

Cool Features ☼

Did you know that you can lock the keys on your phone to prevent accidental key presses and phone calls? Or that your phone can display a reminder message whenever you turn it on? You can also stop your phone from ringing without even answering the call. These are called Cool Features.

These are just some of the many Cool Features you'll find in your phone. Look for the ☼ icon throughout this owner's manual to see how you can use these Cool Features.

To Switch Your Phone On

1) Press and hold (PWR) for about three seconds

2) If you want to make a call, fully extend the antenna for optimum performance

Note: As with any other radio device, avoid any unnecessary contact with the antenna when your phone is on.

To Answer A Call

Simply press and release (SND)

You can also press any other key on your phone to answer an incoming call, with the exception of the (END), (PWR), and (ABC) keys.

Want to stop your phone from ringing without answering it?

Simply press (END). This keeps you from answering a call when it's inconvenient to talk. You can still answer the call by pressing (SND) if Call is still flashing on your display.

It's also great way to screen your calls if you don't want to be disturbed. You'll know who called as soon as your phone rings if you subscribe to Caller ID. And if you have Voice Messaging, the call will be forwarded to your voice mailbox.

See "Caller ID" on page 14 and "Voice Messages" on page 42 for more information on these features.

To Make A Call

1) Extend the antenna

2) Enter the phone number, include area code if necessary

3) Press (SND)

If the call didn't go through

It may be because the signal is too weak, in which case you'll hear three beeps and the ⌒ icon disappears from the display.

It may also be because you have at-tempted a call to a restricted number or your phone is locked. If this hap-pens, you may get the message CALL NOT ALLOWED on your display.

```
B
┃ CALL
┃ NOT
Y ALLOWED      □
```
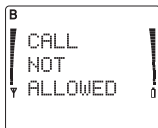
See "Signal Strength" on page 8, "Menu 5 3, Restrict Calls" on page 48, and *"Automatic Phone Lock" on page 47 for more information.*

If you make a mistake dialing

Press (CLR) to delete the last character, or press and hold (CLR) to clear the entire display.

When you want to hang up

Press (END)

When you want to clear the display

Press and hold (CLR)

To Make An Emergency Call

Before attempting any emergency calls, see "Emergency Calls" on page 65 for important safety information.

1) Switch your phone on and make sure service is available

2) Press and hold (CLR) to clear the display. Enter the emergency number (e.g. 911) and press (SND). Give your location and do not end the call until permission is granted.

Emergency Key 9

This feature allows you to attempt emergency calls with a single push of a button. Emergency Key 9 (Menu 3 4) must be ON for this feature to work.

Press 9 then (SND)

OR

Press and hold 9 for more than 4 seconds

Note: 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, Emergency Key 9 will not operate.

IMPORTANT!

Official emergency numbers vary by location (e.g. 911). Your phone has an emergency number programmed into your phone that can be dialed automatically with Emergency Key 9. However, this may not be the proper number in all circumstances.

Keyguard ☀

This feature helps prevent accidental key presses, especially if you wear your phone on a belt clip or keep it in your pocket.

When Keyguard is activated and there is no call in progress, key presses will not be accepted and key tones will not be generated, except for calls to 911 (or other official preprogrammed emergency numbers) and (SND) and (END). If the (PWR) key is pressed, the lights will come on.

To quickly activate Keyguard

Press and hold (END) until KEYGUARD ACTIVE appears on your display. This will remain on the screen for about 2 seconds.

```
A
  KEYGUARD
  ACTIVE
Y                    0
Menu
```

This method can be used at any time, even at the end of a call.

Another way of activating Keyguard

With an empty display,

Press Menu, then ∗

Yet a third way to activate Keyguard

You can activate Keyguard a third way by pressing Menu 11. Your phone will then be protected from any unwanted key presses.

Note: Keyguard cannot be activated when your phone is connected to a car kit or an office handsfree kit.

To deactivate Keyguard

Press Menu, then ∗

To answer a call with Keyguard active

Press (SND)

During the call, the keypad remains unlocked for normal operation. Keyguard automatically reactivates after the call is completed.

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When placing an emergency call with Keyguard active, the emergency number is displayed only after you've keyed in all of the digits. After the emergency call, Keyguard automatically becomes active again.

Note: When Keyguard is active, calls may be possible to the emergency number programmed into your phone (e.g. 911 or other official emergency number). However, Emergency Key 9 will not operate.

Speed Dial

Speed Dial is a convenient feature, allowing you to make phone calls quickly and easily. Your phone recalls the phone number from your personal directory, displays it briefly, then dials it.

1) Enter memory location number (2 to 99)

2) Press (SND)

Note: Memory location 9 only works when Emergency Key 9 is set to Off. When set to On, the programmed emergency number overrides this Speed Dial location.

See "Emergency Key 9" on page 11 and "Your Personal Directory" on page 17.

One-Touch Dialing ☼

This feature operates very much like Speed Dial, except it's even easier to use. If you plan on using this feature, you'll need to store your most frequently-dialed numbers in memory locations 2 through 8.

Once you have turned One-Touch Dialing on with Menu 3 3,

Press and hold the key (2 through 8 only) for a few seconds to call the number in the corresponding memory location.

Note: When using the Speed Dial and One-Touch Dial features, remember that the 1 and 9 keys are designated for your voice mailbox and for attempting emergency calls (only if Emergency Key 9 is On).

Last Number Redial ☼

This feature allows you to quickly redial the last number you dialed. With the display empty,

Press (SND) and wait three seconds

If you want to see the last ten numbers you have dialed, press (SND), and then quickly press ▼ or ▲ to scroll through the list. This must be done quickly, otherwise the last number dialed will be redialed.

Once you see the phone number you wish to dial, simply

Press (SND) again to dial the number

Caller ID

Caller ID is a feature that may be available from your service provider. This feature helps identify incoming calls, so you can decide if you want to answer the call.

If Caller ID is active, your phone may display the caller's phone number. If the caller's name is stored in your personal directory, the associated name will be displayed instead of the number.

CALL or CALL-ID NOT AVAILABLE displays when the number isn't available.

Contact your service provider for availability and subscription information.
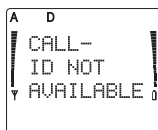
For details on storing names and numbers, see "Your Personal Directory" on page 17.

Distinct Ringing ☼

You may set your phone to ring distinctly when someone calls. Just store the person's name and number in your personal directory and include the character "!" somewhere in the person's name (e.g. Martha!). Your phone will then

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ring distinctly when there's an incoming call from that person's number.

Note: To use this feature, you must subscribe to Caller ID.

For details on storing names and numbers, see "Your Personal Directory" on page 17.

Call Waiting

With Call Waiting, the active call is put on hold as you answer another incoming call. This service is provided by your service provider.

When call waiting has been activated, your phone will beep to let you know you have an incoming call. Your phone may also display the incoming caller's identification.

To activate or deactivate Call Waiting

In some areas, your service provider may give you a feature code to activate or deactivate Call Waiting. You may choose to store this code into your phone using Menu 6 7, Network Feature Setting.

Use Menu 6 4 to Activate or Cancel Call Waiting.

In other areas, this may not be necessary depending on your service provider.

This feature appears on the menu only when activated with Menu 6 7. See "Menu 6 7, Network Feature Setting" on page 36 for details.

To answer a waiting call

Press (SND)

To swap active and held calls

Press (SND) to switch between calls

Earpiece Volume

The two buttons on the side of your phone are your phone's volume keys. The upper button increases and the lower button decreases the volume of your phone's earpiece. These buttons also control the volume for any connected accessory.

To mute your phone's microphone

If you wish to put a caller on hold during a phone call, you can mute your phone's microphone.

During an active call,

1) Press and hold left ⊖ for a second

2) Press ▼ or ▲ to Mute

3) Press OK
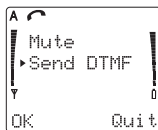
Note: This feature is only available during a call.

To unmute your phone's microphone

Follow the same steps as above, except press ▼ or ▲ to Unmute and press OK.

For more information on DTMF tones, please see "Touch Tones" on page 54.

5. Your Personal Directory

You can store up to 100 numbers and associated names in your personal directory. This gives you easy access to your most frequently-dialed phone numbers.

Stored numbers may be as many as 16 digits long. Stored names may be up to 16 characters long.

Your phone has 8 "extended number" locations (of your choice) that allow the stored number to contain as many as 30 digits in addition to the stored name.

Identical names may not be used more than once in memory. RE-PLACE? followed by the currently stored name appears when you try to store a name already in memory.

```
A                      2
  REPLACE?
  Mom
                       0
 OK              Quit
```
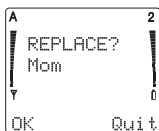
Alpha Mode

To enter names, retrieve numbers based on names, and view names, press (ABC). Your phone displays **ABC** to indicate that you can use the number keys to enter letters as well as numbers, and that you are viewing names.

When a number is displayed, press (ABC) to see the associated name (if there is one). When a name is displayed, press (ABC) to see the associated number.

When **ABC** is displayed, you can enter these characters:

Key	Characters	Key	Characters
1	1	7	PQRS7
2	ABC2	8	TUV8
3	DEF3	9	WXYZ9
4	GHI4	O	- ? ! , . : " ' & $ ( ) 0
5	JKL5	∗	Advance to the next space
6	MNO6	#	Blank space

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The "!" character is used for distinct ringing. *See "Distinct Ringing" on page 14 for more information.*

To switch from upper to lower case

When storing names into your personal directory, simply press and hold the corresponding key to the letter you wish to enter. The letter will automatically switch from upper to lower case. Simply repeat this step to switch back and forth between cases. Press (CLR) to correct any mistakes.

Special Characters

When **ABC** is not displayed, you can use the ∗ key to enter these special characters:

Press This Key:	To Get This Special Character:
∗∗	+, links memory locations together
∗∗∗	p, creates a pause
∗∗∗∗	w, causes the phone to wait for input

Also, see "Touch Tones" on page 54 for more information on using special characters.
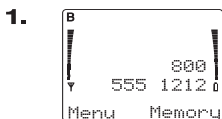
To store a name

1) Press (ABC)

2) Press and release the key labeled with the letter you want until it appears

3) For another letter on the same key or another key, quickly press ∗ after the first letter, or wait a few seconds

To Store Numbers and Names

1.

```
┌─────────────────────┐
│ B                   │
│ ▌                 ▐ │
│ ▌             800 ▐ │
│ ▼     555  1212   ▐ │
│─────────────────────│
│ Menu        Memory  │
└─────────────────────┘
```
Enter number,
then press Memory

2.

```
┌─────────────────────┐
│ B                   │
│ ▌                 ▐ │
│ ▌             800 ▐ │
│ ▼     555  1212   ▐ │
│─────────────────────│
│ Store         Find  │
└─────────────────────┘
```
Press Store

3.

```
┌─────────────────────┐
│ B                   │
│ ▌ Name:           ▐ │
│ ▌                 ▐ │
│ ▼                 ▐ │
│─────────────────────│
│ Store         Quit  │
└─────────────────────┘
```
Enter name (optional)

4.

```
┌─────────────────────┐
│ B    ABC            │
│ ▌ |               ▐ │
│ ▌                 ▐ │
│ ▼                 ▐ │
│─────────────────────│
│ Store         Quit  │
└─────────────────────┘
```
Press Store

5.

```
┌─────────────────────┐
│ B                   │
│ ▌ STORE IN        ▐ │
│ ▌ LOCATION        ▐ │
│ ▌ 4?              ▐ │
│ ▼                 ▐ │
│─────────────────────│
│ OK            Quit  │
└─────────────────────┘
```
Press Ok

6.
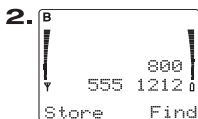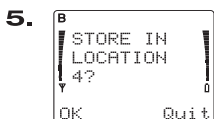
```
┌─────────────────────┐
│ B                   │
│ ▌                 ▐ │
│ ▌     STORED      ▐ │
│ ▼                 ▐ │
│─────────────────────│
│                     │
└─────────────────────┘
```
Phone displays
STORED

To fast save ☼

1) Enter phone number

2) Press and hold Memory

To add a name to a stored phone number

1) Recall stored number (notice memory location at top, right corner of display; write this number down to use in step 4)

2) Press (ABC) then enter name

3) Press Memory, then Store

4) At STORE IN LOCATION? enter recalled location number from step 1

5) Press OK twice

To change the number stored with a name

1) Recall stored number

2) Press ⓒⓛⓡ repeatedly to erase number

3) Enter new number

4) Press Memory

5) Press Store, then OK at REPLACE?

To erase stored names and numbers

With display empty,

1) Press Memory

2) Press Store, then Store again

3) Press ▼ to name you wish to erase, or enter name, or press ⒶⒷⒸ to see numbers, then ▼

4) Press Erase
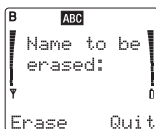
Note: Erase functions are permanent, so be careful!

To erase all stored numbers

1) Press Menu 01 5

2) Press ▼ to Erase All, press OK

3) Enter security code at Security code:, press OK

4) Press OK at ARE YOU SURE?
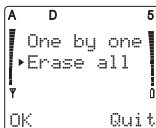
To recall stored numbers

1) With display empty, press ▼ or ▲

2) Press ⓢⓝⓓ to call the displayed number

Press ▼ or ▲ repeatedly to scroll through stored numbers.

To recall stored names

1) With display empty, press (ABC) then ▼ or ▲

2) Press (SND) to call the displayed name

Press ▼ or ▲ repeatedly to scroll through stored names.

To recall numbers by memory location

1) Enter location number

2) Press Memory

3) Press Find

4) Press (SND) to call the displayed number or name.

To recall numbers by name ☼

1) Press Memory

2) Enter name or its first few letters

3) Press Find

Your phone may find more than one
entry that begins with the same letter.

Use ▼ or ▲ until the desired name appears.

To begin scrolling at a particular location

Enter first digit of the location, then *, then ▼

If you press 2* then ▼, for example, your phone begins
scrolling at location 20, if you have numbers stored in that
location. This is handy if you've grouped together stored
numbers.

Status of your Personal Directory

Use Menu 01 6 to scroll through the number of empty, full,
and hidden locations.

6. The Menu

Your phone contains menus and submenus, giving you access to certain features and allowing you to customize your phone to suit your individual preferences.

Menu Guidelines

Menu enters your phone's menu structure

▼ and ▲ scroll through menus, submenus, and options

Press Select or OK to enter submenus or choose options

Press Quit to close the current submenu and return to the previous menu or submenu

(CLR) exits the menu without making changes

Help text

If you access a menu and are not quite sure what it does, press (ABC) or wait just a few seconds and a brief description of that feature will automatically appear on your display.

Menu & submenu shortcuts

Press Menu, then menu number, then submenu number

The menus, submenus and setting options are numbered. The number is shown in the display's top right corner. Once you reach the menu or submenu you want, you can also use ▼ or ▲ to see other options.

Press the menu, submenu, and setting numbers within a couple of seconds of each other when using this method. Most of the instructions given in this guide use this method, e.g. to access the Dialed Numbers submenu, simply press the Menu softkey, then 01 1.

Summary of Menu Functions

Memory Functions
Menu 01

1 Dialed Numbers
2 Answered Calls
3 Missed Calls
4 Clear All Call Lists
5 Memory Erase
  Options
6 Memory Status
7 Call Timers

See page 51 for details

Messages
Menu 2

1 Listen To Voice
  Messages
2 Read Messages
3 Set Voice Mailbox
  Number

See page 42 for details

Call Settings
Menu 3

1 Ringing Volume
2 Ringing Tone
3 One-Touch Dialing
4 Emergency Key 9
5 Automatic Redial
6 Automatic Answer
7 Calling Card
8 One-Touch PIN Calls
9 Messages Only Mode

See page 25 for details

Phone Settings
Menu 4

1 Lights
2 Keypad Tones
3 Manual DTMF Tones
4 Auto DTMF Length
5 Personal Reminder Note
6 Countdown Timer
7 Restore Settings
8 Beep On Roam
9 Menu List
10 Language
11 Network Time

See page 29 for details

Security Options
Menu 5

1 Automatic Phone Lock
2 Change Lock Code
3 Restrict Calls
4 Hide Memory

See page 46 for details

Network Services
Menu 6

Items shown with an ∗ appear on the menu ONLY if this feature has been activated in your phone and is supported by your service provider.

1 Dual Mode Selection
3 Call Forwarding ∗
4 Call Waiting ∗
5 Selective Call
  Acceptance ∗
6 Send Own Number ∗

7 Network Feature
Setting

See page 33 for details.

System Selection
Menu 7

This feature selects which system your phone uses while travelling outside your home and preferred service areas (roaming), as well as within your home area.

See page 37 for details.

NAM Selection
Menu 8

This feature allows you to select the phone number and current home system your phone is using.

See page 39 for details.

Number Editor
Menu 9

This feature allows you to edit the presently displayed phone number. This helps when you need to add a prefix to a number stored in your personal directory when you want to call that number while roaming.

See page 39 for details.

Alert Options
Menu 10

You can select the alert options for your phone. You can set your phone to ring, beep once, vibrate, or remain silent when you have a call.

See page 40 for details.

Activate Keyguard
Menu 11

There are several ways to activate your phone's Keyguard. This feature helps prevent accidental key presses when your phone is in your pocket or purse.

See page 12 for details.

Menu 1, Memory Functions

See *"Your Personal Directory" on page 17* for information on how to store numbers and names into your personal directory.

"Temporary Lists & Call Timers" on page 51 shows how your phone automatically stores the last 10 dialed numbers, numbers of the last 10 answered calls, and numbers of the last 10 missed calls.

Menu 2, Messages

See *"Messages & Pages" on page 42* for information on how to use your phone's voice mail and how to receive text messages and pages.

Menu 3, Call Settings

You can customize your phone by setting its ringing volume and tone with Call Settings. You can also activate some key features such as One-Touch Dialing and Emergency Key 9, as well as storing up to four long-distance calling cards.

Menu 3 1, Ringing Volume

You hear each ringing level as you scroll through the volume levels.

When your phone is connected to an accessory, such as a headset or a car kit, the ringing volume for that accessory can be set individually with this feature.

```
A    D              4
  | Level 3
  |▸Level 4
  ▼ Level 5          0
  OK           Quit
```
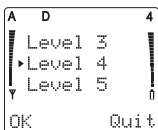
Menu 3 2, Ringing Tone

Your phone plays a sample of each pattern as you scroll.

Note: The ringing tone selection will remain the same for all accessories.

```
A    D              2
  | Type 1
  |▸Type 2
  ▼ Type 3           0
  OK           Quit
```
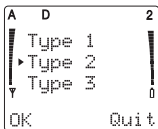
Menu 3 3, One-Touch Dialing

With this feature on, you can dial any of the phone numbers stored in personal directory locations 2-8 by pressing and holding the number of the personal directory location. The default setting is Off.

See "One-Touch Dialing" on page 13 for more information.

Note: Pressing and holding 9 causes your phone to attempt to make an emergency call if you've turned on the Emergency Key 9 feature (Menu 3 4).

Menu 3 4, Emergency Key 9

With this feature on, you can use the 9 key to attempt emergency calls to the emergency number preprogrammed into your phone. Either press and hold 9 or press 9 then (SND). The default setting is Off.

Note: 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, Emergency Key 9 will not operate.

See "Emergency Key 9" on page 11 and "Keyguard" on page 12 for more information.

Menu 3 5 Automatic Redial ☼

When this is on, your phone redials the number you are trying to call up to 3 times. Press (END) to stop the call attempts. The default value is Off.

Note: This feature attempts to redial numbers when the wireless network is busy. It will not redial numbers to a busy party.

Menu 3 6, Automatic Answer

When your phone is connected to a headset or the hands-free facility of a car kit, you can set your phone to answer calls automatically after one ring. Car kits must be equipped with the ignition sense option. The default setting is Off.

Note: This feature will not function with data calls.

Menu 3 7, Calling Card

Making a calling card call is easy with this feature. However, you must first store your calling card information into your phone. Your phone can store up to four different calling cards.

```
A    D             1
 None
▸Card A
▾Card B           0
OK            Quit
```
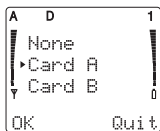
Once the card's information is stored and selected with Menu 3 7, your phone will automatically use this card when you make calling card calls unless you select a different one.

To store a calling card

Once you press Menu 3 7, your phone lists Card A–D and None. Press ▼ to select the card you want and press OK.

Enter your five-digit security code at the Security Code: prompt, then press OK. This gives you the SELECT DIAL-ING SEQUENCE screen. Press Select and select the sequence your card uses. If you're not sure which dialing sequence you should use, refer to the back of your calling card.

For example, if you must 1) dial the 1-800 access number, then 2) enter your calling card number and PIN, then 3) dial the phone number, then you must select that dialing sequence (see chart) for your phone.

After you have selected the dialing sequence, you must store the information necessary for that dialing sequence, such as the access number, card number and PIN.

If you wish to store the name of the calling card, you must press (ABC) while Access number: or Card number: is displayed.

For more information on your phone's security code, see "Security Features" on page 46.

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

These calling cards are frequently used with these dialing sequences. However, they may vary and are subject to change at the phone company's discretion.

To make a calling card call

1) Enter the phone number, including any prefix that your calling card may require

```
A   D
| PRESS 'OK'  |
| TO SEND     |
| PHONE NO.   |
| OK          |
```

2) Press and hold (SND) for a few seconds until the phone displays CARD CALL

3) When you hear a tone or voice prompt, press OK. When you hear another tone or voice prompt, press OK again.
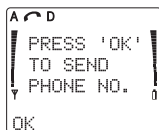
You may also use the keypad, when necessary, to send any other numbers that must be sent along with any stored calling card information.

To change stored calling card information

If you wish to change any calling card information already stored in your phone, simply follow the same instructions used to store a new calling card.

The dialing sequence that appears first is the one that is currently selected. To enter a new access number or card number, press ⓒⓛⓡ repeatedly to erase old numbers and enter new information as needed.

Menu 3 8, One-Touch Pin Calls

One-Touch PIN is a network security feature that is used to help prevent fraud. *Please see "Automatic PIN Calls" on page 49 for more information.*

Menu 3 9, Messages Only Mode ☼

Your phone will not ring when you set it to Messages Only Mode. Instead, your phone will send all calls to your voice mail. You can also receive text messages and pages when someone tries to call you. The default setting is Off.

*See "Messages & Pages" on page 42 for more information.*

Menu 4, Phone Settings

This feature allows you to customize some of your phone's settings.

Menu 4 1, Lights

When you turn the lights On, your phone's display and keypad will light up for fifteen seconds whenever you press a key, when someone is calling, or when you connect your phone to any accessory. They'll stay on permanently if your phone is connected to a car kit.

When you turn the lights Off while your phone is connected to a car kit, your phone's display and keypad will illuminate for fifteen seconds whenever someone calls.

```
A   D            1
  LIGHTS
              On
Select    Quit
```
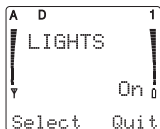
However, when your phone is used by itself or it's connected to any accessory other than a car kit, the lights will not come on at any time when the lights are set to Off. The default setting is On.

Regardless of the setting, if you wish to turn your lights On at any time, simply press 🔘 quickly.

Menu 4 2, Keypad Tones

Keypad tones are the sounds you hear when you press any key on your phone's keypad. You can select the volume level of this tone, or you can turn it off. The default setting is Level 2.

Note: The keypad tone volume is set separately for each accessory you use.

## Menus 4 3 and 4 4, Manual DTMF Tones and Auto DTMF Length

Because your phone is a touch tone phone, it creates certain sounds when you press its keys. These tones can be used for many automated, over-the-phone services such as checking your bank balance, using your voice mailbox options, and even checking airplane arrival and departure times. These two features set the length of your phone's touch tones when pressed manually or sent automatically.

See "Touch Tone Settings" on page 54 for details.

Menu 4 5, Personal Reminder Note ☼

This feature allows you to store a text message in your phone. This note will display whenever your phone is switched on.

1) Press Menu 4 5

2) Enter new message or edit the existing one (maximum length is 30 characters)

3) Press Option

4) Press ▼ to Store or Erase

5) Press OK
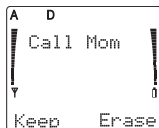
Characters you key in are added to the right of the cursor.

Press 🔘 to erase characters to the left of the cursor.

Press ▼ or ▲ to move the cursor right or left.

Next time you switch your phone on, the Personal Reminder Note is displayed. The note will continue to be displayed each time you turn your phone on until you press Erase.

Menu 4 6, Countdown Timer

If you want to set your phone to sound an alarm within a specified period of time (e.g. in ten minutes), simply set your phone's Countdown Timer. It's very easy to do.

1) Press Menu 4 6

2) Enter time to count down at Set timer: (e.g. 0010 for ten minutes)

3) Press OK

Your phone sounds an alarm and displays COUNTDOWN COMPLETED when the time you have entered has elapsed. The timer stops if the battery runs out or if you turn your phone off.

```
┌─────────────────┐
│ A    D          │
│█   COUNTDOWN   █│
│█   COMPLETED   █│
│▼               ▯│
│ OK              │
└─────────────────┘
```
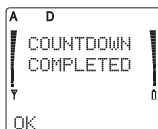
An incoming call overrides the timer alarm. After you've completed the call, COUNTDOWN COMPLETED appears, but your phone does not sound an alarm.

To stop the timer before the alarm sounds

Follow the steps above, except enter 0000 at Set timer:

To clear the alarm when it's sounding

Press OK or any other key.

Menu 4 7, Restore Settings

This option allows you to reset the settings of most menu features to factory defaults (the same as when you first received your phone).

Note: The memory, calling card information, timers, counters and the language selection are not reset.

Menu 4 8, Beep-On-Roam

Activate this feature and your phone will beep once if you travel outside your home area while in a call.

See "Roaming Indicators" on page 39 for more details on roaming indicators.

Menu 4 9, Menu List

This feature lets you choose either a shortened or complete menu list. The complete menu contains all menu items, whereas the short menu shows only the most essential menu items, namely: **Messages** (LISTEN TO VOICE MESSAGES, READ MESSAGES, SET VOICE MAIL-BOX NUMBER), **Phone Settings** (RESTORE SETTINGS, MENU LIST), **Alert Options**, and **Activate Keyguard**. The default setting is Complete.

Menu 4 10, Language

You can choose English, Spanish, or French for all of your phone's displays. The default setting for your phone is English.

Menu 4 11, Network Time

You can set your phone to display the day of the week, date, and time when your phone is in idle state and during a call.

Because this feature is network-supported, there is no need to set the date or time. However, you must activate this feature through your phone's menu. This feature functions in areas only where digital service is available.

```
A  D
   Tuesday
   Apr30,1997
   10:00am
Menu    Memory
```
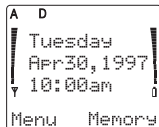
To display network time

Your phone can display both day of the week, time, and date, or just the time. With the display empty,

1) Press Menu 4 11

2) Press ▲ or ▼ to desired setting (Date&Time, Time, and Off)

   Note: Day of the week will appear when Date&Time is selected.

3) Press OK

The default setting is Date&Time.

Menu 5, Security Options

Your phone contains many security features, such as hiding memory locations, restricting calls, and locking your phone.

For information on these and other security features, see "Security Features" on page 46.

Menu 6, Network Services

Some of the features described in this section are network services, which may not appear in your phone's menu unless you store the feature code you received from your service provider.

Storing feature codes is optional for using any network service. Contact your service provider for more information about feature codes and how to use them.

For more information, see "Menu 6 7, Network Feature Setting" on page 36.

Menu 6 1, Dual Mode Selection

You can set your phone to operate in analog (AMPS) and/or digital (CDMA) networks. However, the network can always override your setting.

When you select dual mode (*Ana.& Dig.*), your phone will give priority to the digital network. If a digital network is not available, your phone will then select an analog network.

33
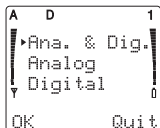
Your phone will automatically return to Ana.&Dig. when you end a phone call or when your phone is turned off and back on again.

Menu 6 3, Call Forwarding 🔆

This feature is a network service that must be subscribed from your service provider. This feature is used to forward incoming calls to another specified number so you won't miss any calls.

This menu and it's submenu items appear on the menu only if activated with Menu 6 7. Contact your service provider for details.

To activate Call Forwarding

1) Press Menu 6 3
2) Press ▼ to desired option (see below)
3) Press OK
4) Press ▼ to Activate or Cancel
5) Enter phone number that calls are to be forwarded to at Number:
6) Press OK

This forwards your calls to the number that's already on display before you select Activate or the phone number you entered at Number:.

FORWARD ALL CALLS (Menu 6 3 1) forwards all incoming calls.

FORWARD IF BUSY (Menu 6 3 2) forwards calls only when you're on the phone.

FORWARD IF NOT ANSWERED (Menu 6 3 3) forwards calls if you don't answer.

FORWARD IF OUT OF REACH (Menu 6 3 4) forwards calls if you are out of the network's range.

CANCEL ALL FORWARDING (Menu 6 3 5) cancels all call forwarding options you have active.

Menu 6 4, Call Waiting

Please see "Call Waiting" on page 15.

Menu 6 5, Selective Call Acceptance

This feature allows you to program the network to screen incoming calls. The caller's phone number is compared to either an allowed numbers list or a blocked numbers list, and the call is either rejected or allowed.

1) Press Menu 6 5

2) Press ▼ to Allowed Numbers List or Blocked Numbers List

3) Press ▼ to Activate, Deactivate, or Edit

4) Press OK

This menu and its submenus appear on the menu only if activated with Menu 6 7. Contact your service provider for details.

Allowed Numbers List allows calls when incoming caller's number matches one on the allowed numbers list.

Blocked Numbers List rejects calls when incoming caller's number matches one on the blocked numbers list.

The Activate option turns the restriction on. The Deactivate turns the restriction off. The Edit option allows you to add or remove numbers from the list.

If you select Edit, you have three different options:

Add No. will add numbers to your list.

Remove No. removes numbers from your list.

Remove All will clear the entire list.

Confirm your selection or setting with OK.

Menu 6 6, Send Your Own Number

This feature specifies whether or not to display (i.e. Send) your phone number to the person you are calling, on a call-by-call basis.

Press Menu 6 6 before dialing. Then choose Yes or No and enter the number you wish to call at Number:, then press (SND) to dial.

Or, if you prefer, you can dial the number first. Then press Menu 6 6, choose Yes or No, and press (SND) or OK to dial the number.

If you don't make a selection, your phone uses the current default network setting. Check with your service provider to find out the setting for your home area.

This menu appears on the menu only if activated with Menu 6 7. Contact your service provider for availability.

Note: This feature functions only in systems equipped with Caller ID.

Menu 6 7, Network Feature Setting

Call Forwarding, Call Waiting, Selective Call Acceptance, and Send Own Number are services available through your service provider or dealer. When you subscribe to any of these services, your service provider or dealer gives you a separate code (known as a "feature code") to activate and deactivate each service.

Menu 6 7 lets you store all the feature codes you use in your phone. Once the feature code is stored in your phone, the service appears as a menu item. You can then use the menu to activate and deactivate CALL FORWARDING, CALL WAITING, SELECTIVE CALL ACCEPTANCE, and SEND OWN NUMBER.

To store codes

1) Press Menu 6 7

2) At Feature Code:, enter the code you want to store in your phone (e.g. *74), then OK

3) ▼ to the service that the code applies to, then Select

4) ▼ to suboption, then OK (Repeat step as required, based on number of suboptions)

To remove items from the network services menu

Follow same steps as in *"To store codes"*, except press OK at Feature code: (without entering a code).

Note: Any feature codes that are received from your service provider are unrelated to your phone's security code.

Menu 7, System Selection

This selection can be significant to the amount of roaming charges you pay.

What is Type A and Type B?

In each wireless service area there are usually two service providers operating on public wireless systems. They are referred to as type **A** and type **B**.

When you first set up your wireless service account, your service provider will inform you of which system you should use (e.g. type **A**). This is your home system. The other system (e.g. type **B**) is known as a non-home type system.

For example, if your home system is type **A** and you are roaming, the type **A** system in that area is a hometype system. The type **B** system would be a non-home type system.

```
A   D                7
 |  SYSTEM          |
 |  SELECTION       |
 Y  Automatic       D
|                    |
 Select      Quit
```
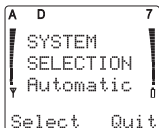
Roaming

Roaming is a term used to indicate that your phone is not in its home area. Calls made or received while roaming are usually more expensive than calls made in your home area.

By setting your phone to use a home-type or preferred system, it's possible for you to receive discounted roaming charges. Check with your service provider to maximize use of this feature.

In non-preferred systems, normal roaming charges are determined by the host system. Your phone is designed to select a system most favorable to you concerning the cost of the call and reception quality.

When roaming in some systems, you may need to have a roaming agreement in order to place a call. If no roaming agreement has been arranged, a network operator may interrupt and request information on how you intend to pay for the call.

Which system should you choose?

When roaming in an area where no home or preferred systems are available, you can manually choose which system your phone uses.

System choices

Depending on which system is in use, your phone will display either the **A** or **B** indicator or no indicator in the top, left hand corner of your display.

Your phone will automatically attempt calls using a preferred system. If your phone fails to find a preferred system, then it will use the selection you have chosen using Menu 7.

Automatic means your phone will attempt calls to a hometype system before trying to use a non-home type system.

SemiAuto A means your phone will attempt calls to system **A** unless a home or preferred system is available.

SemiAuto B means your phone will attempt calls to system **B** unless a home or preferred system is available.

Home area means your phone cannot roam at all. Your phone will display NO SERVICE when you travel outside of your home area. Neither the **A** or **B** indicator will appear.
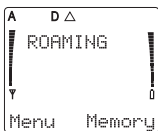
If you have more than one phone number

The currently-selected NAM in your phone determines which system is your current home system.

See Menu 8, NAM Selection in the following section for more details.

Roaming Indicators

When your phone begins roaming, it displays ROAMING. If roaming in a non-preferred system, your phone will also display ROAMING and a Δ will appear.

```
┌─────────────────┐
│A    D △         │
│▌    ROAMING    ▐│
│▌               ▐│
│▌               ▐│
│Y               0│
│Menu     Memory  │
└─────────────────┘
```

If your phone begins roaming during a call, and Beep-On-Roam (Menu 4 8) is set to On, your phone will beep once.

Menu 8, NAM Selection

The service provider programs your phone with the phone number and system information into your phone's memory when your phone is first activated. This is called a Number Assignment Module (NAM).

You can have your phone activated in up to 2 different service areas (e.g. one in Chicago, another in Dallas), each giving your phone a different phone number or account.

Only one phone number is in effect at a time. When you select a phone number, you're also selecting which system you're using as your home system. The first phone number displayed with this menu is the currently selected number.

Note: You need at least one active number to make calls. You cannot change from one NAM to another during a call.

Menu 9, Number Editor ☀

You can edit the digits of a phone number that's currently displayed. This helps in many instances, especially when you want to call a number already stored, but must first include 1 plus the area code because you're out of your home area.

To edit a stored phone number

1) Recall a stored number

2) Press Menu 9

3) Edit phone number as needed (using ▼ or ▲ to move the cursor back and forth) and press OK

4) Press (SND) to dial the edited number, or press Memory then Store to store it

If you wish to store the edited phone number, the message REPLACE? followed by the associated name will display (e.g. REPLACE? MOM). Simply press OK.

Note: This feature will deactivate if no keys are pressed within ten seconds.
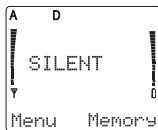
Menu 10, Alert Options ☼

This feature allows you to choose whether your phone rings, beeps once, or vibrates when you receive an incoming call. You can also choose to have your phone remain silent when someone calls you.

Note: You'll need an optional vibrating battery (BBT-1XV) when selecting vibrating options. See your dealer for details.

With Silent, your phone only flashes its lights and displays CALL, along with the caller's number if Caller ID is active.

See "Menu 3 1, Ringing Volume" on page 25 and "Menu 3 2, Ringing Tone" on page 25 to select ringing tones and volumes.

When Beep once, Vibrate or Silent has been chosen, your phone displays SILENT. Call-related tones like message received or voice mail indication beeps become shorter with one of the above options selected.

When your phone is connected to a HF desktop charger, HF car kit, or headset, the alert option can be set separately for each of these accessories.

Menu 11, Activate Keyguard

*Please see "Keyguard" on page 12 for information on this feature.*

7. Messages & Pages

Voice Mail Notification, Paging, and Text Messaging are all network services. Please check with your service provider for the availability of these features.

Voice Messages ◯◯

When you receive a voice message, your phone beeps, lights up the voice message indicator, and displays VOICE MESSAGE. The display shows the number of messages if there are more than one.

```
A   D     ᴏᴏ
‖   VOICE   ‖
‖   MESSAGE ‖
▼           ▯
Listen  Quit
```
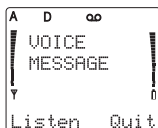
To listen to your voice messages, simply press Listen. If you prefer to listen to them later, press Quit. Later, when you want to play your messages, press and hold 1 or press 1, then (SND), or you can use Menu 2 1.

Note: To receive messages from your voice mailbox, your voice mailbox number must first be stored in your phone.

When you receive a voice message or a page, the display text may vary due to short message services used by different service providers.

To store your voice mailbox number

Use Menu 2 3 to store your voice mailbox number. Your phone will need this information so it can access messages stored in your voice mailbox. Your voice mailbox number may be up to 30 digits long.

```
    D         3
‖  SET VOICE  ‖
‖  MAILBOX    ‖
▼  NUMBER     ▯
Select  Quit
```
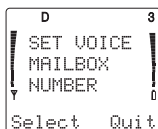
Note: The voice mailbox may be provided by the network (the service provider gives you the number to call) or you may use the number of your own answering machine or service (however, your phone will not notify you of any messages received).

Note: Any voice mail access number stored into your phone may be overwritten by the network if you subscribe to voice mail services. Contact your service provider for more details.

Text Messages ✉ and Pages

When the text message network service is available and you've subscribed to it, your phone can receive and store text messages and pages. Contact your service provider for details on how to send text messages to your phone.

The maximum length of a text message is 160 characters. Your phone has space for up to 30 text messages, depending on the length of each message. The network may have its own default message that is displayed when your phone is in the network coverage area. This does not prevent the use of your phone in any way.
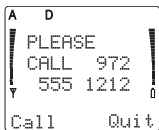
Receiving text messages and pages

When you receive a text message and there's enough space left in the message memory, MESSAGE RECEIVED and the text message indicator are displayed, and a series of short tones are heard.

```
A  D        ✉
   3
   MESSAGES
   RECEIVED
Read      Quit
```
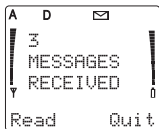
See "The Display" at the beginning of this owner's manual for a description of the Text Message indicator.

If someone has paged you, your phone displays PLEASE CALL followed by the phone number.

```
A  D
   PLEASE
   CALL  972
   555 1212
Call      Quit
```

Note: Some service providers may send a text message when notifying you of any pages received.

To respond to your most recent page

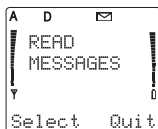With PLEASE CALL on display, press Call **OR** press (SND)

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To read text messages & pages any time

1) Press Menu 2 2

2) With message header on screen, press Read

3) Press ▼ to read the message

```
 ┌─────────────────┐
 │A  D        ⊠     │
 │█  READ          ▐│
 │▌  MESSAGES      ▐│
 │▼                ▐│
 │                 □│
 ├─────────────────┤
 │Select      Quit │
 └─────────────────┘
```

The messages are shown in the order that they were received or stored. New messages are shown first, in their order of priority, then old messages, in their chronological order.

LOCKED indicates that you've locked the message or page. It will not be overwritten even if there's no space remaining in your phone's memory and there's an attempt to deliver a new message to your phone. New messages or pages will override old unlocked messages or pages when there is no space remaining in your phone for new text messages.

Reading options for text messages

With message on screen

1) Press Option

2) Press ▼ to the option you want (see below)

3) Press OK

Read next shows the next message.

Erase deletes the current message from memory.

Lock/Unlock allows you to lock and unlock messages. When a new message arrives and the message memory is full, the new message automatically overrides old messages unless they are locked.

Call back displays the first number from the current message and calls that number. You can also just press (SND) while the message is displayed.

To set your phone to Messages Only Mode

When you set Messages Only Mode to On, you can receive voice mail notification, pages, and text messages. Your phone will not receive any incoming calls.

A quick way to turn Messages Only Mode on or off is to press Menu #. Or, you can use Menu 3 9 to set it to On.

```
A   D
       MSGS ONLY

Menu      Memory
```

If you activate this feature via the menu, your phone will display MSGS ONLY. If you use the Menu # shortcut, your phone will display INCOMING CALLS BLOCKED or INCOMING CALLS ALLOWED, depending on whether this feature is being activated or deactivated.

```
A   D
    INCOMING
    CALLS
    BLOCKED

Menu      Memory
```
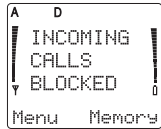
If you turn your phone off without de-activating the Messages Only Mode, it will display INCOMING CALLS BLOCKED when you first turn it back on.

The default setting for this feature is Off.

Note: Check with your service provider to see if they support this feature. If not, you may not receive any messages while you are roaming, even when this feature is activated.

8. Security Features

Security Code

Your phone will prompt you for a five-digit security code to enter certain features. The factory default code is 12345, and that is what your phone will accept until it is changed.

```
B
 Security
 code:
                    0
OK            Quit
```
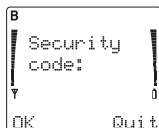
If your service provider hasn't already changed your security code, it's recommended you have it changed immediately. Only your service provider can change your security code.

*Note: When entering your security code, ***** will appear on the display to keep others from viewing your code.*

If you make a mistake entering the code,

Erase the incorrect digit by pressing (CLR) or press and hold (CLR) to exit the current function.

What if you enter the wrong security code?

You can still enter it again. But if you enter the wrong security code five times, your phone will activate a security timer.

If this happens, your phone will not accept a security code for about five minutes, even if you enter the correct one. You can still use your phone, but any attempts to enter the security code will reset the timer.

Once the timer has elapsed, you may re-enter the correct security code to access security code protected features.

Note: Your phone must remain on until the five minute timer has elapsed.

Menu 5 1, Automatic Phone Lock ☀

When this feature is activated, your phone will be locked every time you switch on your phone. You must enter a four-digit lock code to unlock your phone. Without entering your lock code, you'll be denied access to almost every memory and menu function.

When your phone is locked, your phone will only allow incoming calls and calls to the number stored in memory location 100.

```
A  D               1
┌─────────────────┐
│ ║ AUTOMATIC    ║ │
│ ║ PHONE LOCK   ║ │
│ ▼         On    ║ │
├─────────────────┤
│ Select     Quit │
└─────────────────┘
```
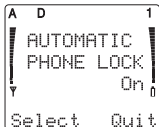
Also, calls may be possible to the emergency number programmed into your phone (e.g. 911 or another official emergency number), including calls attempted with Emergency Key 9.

Note: When your phone is locked, calls attempted with a long press of the 9-key are possible only when Emergency Key 9 is turned on with Menu 3 4.

If your phone is locked and you switch your phone off and back on again, you must enter the lock code.

To enter the lock code

At Enter lock code:, enter the lock code and press OK.

Note: Your security code can be entered in place of the lock code when you are asked to enter the lock code.

To answer a call with Auto Lock on

Press (SND)

To call the number in location 100 with Auto Lock on

With display empty, press ▲ once, then (SND)

To turn Auto Lock off

Use Menu 5 1 and your lock code

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To change your lock code

You can change your lock code with your phone's menu. It's recommended that you change your code immediately because the default lock code (1234) appears in this owner's manual. In a lock code, only characters 0 to 9, ∗ and # are accepted.

Changing the lock code is simple. Just use Menu 5 2 to do this. Make sure to have your security code handy, you'll need it to change the lock code.

Note: Avoid entering access codes similar to emergency numbers to prevent accidental emergency calls.

Menu 5 3, Restrict Calls

This feature allows you to restrict incoming and outgoing calls to and from your phone. You can select the level of restrictions through a series of menu choices.

Menu 5 3 1, Restrict outgoing calls

Allowed means that all calls can be made as usual.

Blocked means that no calls can be made.

Limited means that calls can be made only to phone numbers stored in certain memory locations.

```
A   D              1
|  Allowed
|▸Blocked
▼  Limited         0
OK           Quit
```
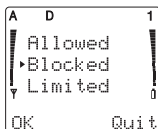
When restricting outgoing calls by selecting Limited, you are prompted for an Allow from location: and To location: value. For example, at Allow from location: enter 1 and To location: enter 15, to allow only calls to the numbers stored in locations 1-15.

When calls are restricted, calls may also be possible to the emergency number programmed into your phone (e.g. 911 or other official emergency numbers). However, Emergency Key 9 may not operate depending on the type of restriction you choose.

The default setting for this feature is Allowed.

Menu 5 3 2, Restrict international calls

Allowed means you can make international calls and Blocked means you cannot.

The default setting for this feature is Allowed.

Menu 5 3 3, Restrict all incoming calls

Allowed means you can receive all calls and Blocked means you cannot receive any calls.

The default setting for this feature is Allowed.

Menu 5 4, Hide Memory

This feature will prevent your phone from displaying the phone number stored in your personal directory.

To hide numbers in memory

Use Menu 5 4. You'll need your security code to do this.

To hide only one location, enter the location number at both the Hide from location: and To location: prompts.

To hide a series of locations, such as locations 10-15, enter the first location, for example 10, at Hide from location:. and the last location, for example 15, at To location:.

Automatic PIN Calls

In some wireless networks, PIN (Personal Identification Number) Calls are used to prevent fraud. Check with your service provider to see if your network uses this security feature.

To use this feature, you must set Menu 3 8, ONE-TOUCH PIN CALLS, to On.

After you select On, the phone asks you to enter a PIN Code. Enter the code given to you by your service provider, then press OK.

```
A   D            8
|   PIN code:    |
|                |
|                |
Y                n
OK          Quit
```
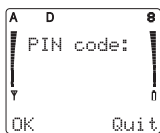
To deactivate PIN Calls, enter Menu 3 8 and select Off, then press OK.

Note: All PIN Codes are assigned by the service provider.

To make calls using PIN Codes

Make sure that Menu 3 8 is set to On.

1) Make the call as normal

2) The phone displays PIN CALL

3) When you hear the audio PIN prompt, press OK to send the PIN code

Once the PIN Code is sent and validated, the call goes through as normal. If the PIN sending fails, the network gives a tone to indicate this.

If you are in an area that is not supported by PIN Calls and this feature is turned on, press either (CLR) or Quit when making a call.

9. Temporary Lists & Call Timers

Your phone automatically stores the last ten numbers you've dialed, numbers of the last ten calls you've answered, and the numbers of the last ten calls you missed. It also gives you ten temporary storage spaces in a "notepad."

Note: Your phone displays the phone numbers of received and missed calls only if you have subscribed to Caller ID and the wireless system is able to identify the caller.

Menu 01 1, Dialed Numbers

> With display empty, press (SND), then quickly press ▼ or ▲ to scroll the list

If you want to call any of the other numbers in the list, press (SND) while that number is displayed.

To call the first number that appears on your screen, simply wait a few seconds and your phone will dial it automatically.

The top right corner of the display shows the location number of the last dialed number (L0 - L9). Menu 01 1 also accesses the Dialed Numbers list.

Menu 01 2, Answered Calls

> With display empty, press ∗ then ▼ or ▲ to scroll the list.

This shows the calling phone numbers of the ten most recent calls you've answered. If the number listed is stored in your personal directory, press (ABC) to view associated names. Also, you can press Menu 01 2 to access this list.
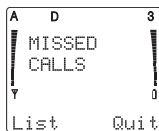
Menu 01 3, Missed Calls

When you miss a phone call, your phone will display 1 MISSED CALL. Simply press List to view the number. If you wish to view the number later, press Quit.

You can view the number later by using the following step.

With display empty, press ∗ twice (a + will appear on the display), then press ▼ or ▲ to scroll the list

```
A    D          3
┃ MISSED       ┃
┃ CALLS        ┃
▼             0
List      Quit
```

This shows you the calling phone numbers of the 10 most recent calls you've missed. Menu 01 3 also accesses the Missed Calls list.

When the FORWARD IF NOT ANSWERED option in the Call Forwarding feature is activated, your phone treats the forwarded calls as missed calls.

Notepad ☀

Use the Notepad to store names and numbers that you don't want stored in your personal directory. The Notepad holds up to 10 names and numbers.

To store numbers and names in notepad

1) Enter name and number as you normally would, but at STORE IN LOCATION, press #

2) Press OK

```
A    D
┃ STORE IN     ┃
┃ LOCATION     ┃
▼ #?          0
OK        Quit
```
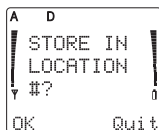
See *"Your Personal Directory" on page 17* for details on storing numbers.

To see numbers and names in notepad

With an empty display, press #, then ▼ or ▲.

The top right corner of the display shows the location number of the notepad (^{o}0 - ^{o}9).

### To clear temporary lists and notepad

Press Menu 01 4.

This clears Dialed Numbers, Answered Calls, Missed Calls, and the notepad. You cannot undo this operation, so be careful!

Menu 01 7, Call Timers

This feature is for those of you who want to keep track of calls for billing purposes. Your phone has separate call timers for each phone number (NAM) your phone uses. This shows call durations for the NAM that is currently selected.

Use Menu 01 7 and press ▼ repeatedly to show durations of LAST CALL, ALL CALLS, HOME AREA CALLS, ROAMING CALLS & TOTAL IN-CALL TIME.

```
┌─────────────────┐
│A   D          1 │
│▌ LAST           │
│▌ CALL           │
│▌ 00:05:32       │
│▼             Quit│
└─────────────────┘
```
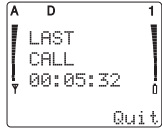
Note: The actual time invoiced for calls by your service provider may vary, depending upon items such as network features, rounding off for billing, and taxes.

To clear Call Timers

Use Menu 01 7 6 to clear all call timers for the currently-selected NAM, except for the Total In-Call Time. This is a running total of all calls made with your phone and cannot be reset.

10. Touch Tones

Your phone can generate various sounds, called Touch Tones, when the keys are pressed.

Touch Tones can be used for many automated, over-the-phone services such as checking bank balances, airline arrival and departure times, and using voice mailbox options. Touch Tones can be sent only when a call is active.

What is DTMF?

Touch Tones are also known as "DTMF", which means Dual Tone Multi-Frequency, and they are generated either manually or automatically.

Note: Individual Touch Tones can be sent manually only if Menu 4 3 is set to On.

Touch Tone Settings

Menu 4 3, Manual DTMF Tones

This setting determines how long touch tones are produced as you press the keys on the keypad.

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

Fixed sets the tone length to .1 seconds, regardless of how long you press the key.

Off turns the tones off, and no tones will be sent when you press the keys.

The default setting for this feature is Fixed.

Menu 4 4, Auto DTMF Length

This feature determines the length of each Touch Tone when they are sent automatically.

Short sets the tone length to 100 ms. Long sets the tone length to 500 ms.

The default setting is Short.

Touch Tone Strings

Touch Tone strings can be used for sending and receiving information with your phone. For example, you can store your office voice mailbox number, along with your password for easy access to your messages.

To store Touch Tone strings

Store Touch Tone strings the same way you store phone numbers.

You can store a whole digit sequence in a memory location and send it as Touch Tones for frequently-used strings of numbers.

These number strings can also be linked with other stored phone numbers. Read on for more information on linking strings with stored numbers.

To send a Touch Tone string

During a call, with the display empty (make sure Menu 4 3 is not set to Off)

1) Dial or recall from memory the string you want to send

2) Press Menu, then (SND)

Note: Use caution when sending confidential information over the air when using DTMF tones in analog mode.

Special Characters

Pressing ∗∗∗ creates a "p" (pause) when you are storing numbers. When the number is dialed, the digits stored to the right of the "p" are automatically sent as touch tones after a 2.5 second pause.

Pressing ∗∗∗∗ creates a "w" (wait) when you are storing numbers. The "w" makes the phone wait for you to press the DTMF soft key, then it sends the digits stored to the right of the "w" as touch tones.

You can add as many "p" and "w" characters as you need in a single number sequence.

To store Touch Tone strings with a phone number

1) Enter the phone number (e.g. your office voice mailbox)

2) Press ∗∗∗ (p) or ∗∗∗∗ (w)

3) Enter the Touch Tone string
    (e.g. voice mailbox password)

4) Store the number as you normally would

When you dial this number, your phone first dials the phone number, then waits (because of the "w" character) for you to press DTMF (which will display as a soft key). Your phone then sends your password.

If you include a "p" character instead of a "w", your phone pauses for 2.5 seconds, then automatically sends your password as Touch Tones.

To link a stored phone number to Touch Tone strings in another memory location

Use this if the phone number and DTMF digits do not fit in one storage location. This feature links the phone number to the memory location storing the DTMF string.

1) Enter the phone number

2) Press ∗∗ (+)

3) Enter memory location storing the DTMF string

4) Store the number as you normally would

When you recall this number sequence from memory and press (SND), your phone dials the phone number, displays digits stored in the memory location after the "+", then sends them as Touch Tones when you press DTMF.

Note: Your phone expects a memory location after the "+" character. If one is not stored, you will need to enter a location number at the prompt. Then press OK to send the contents of that memory location as Touch Tones.

11. Data & Fax Calls

Your phone can send or receive data when it's connected to a compatible data terminal (such as a PC) through a data adapter (such as a PC card) and a compatible cellular cable.

You can also send and receive faxes when your phone is connected to a data terminal with fax capability through a data adapter and a compatible cellular cable.

Note: Before sending or receiving a data or fax call, you should select Analog *mode in Dual Mode Selection (Menu 6 1) for your phone.*

Check that the data terminal is properly installed. See the documentation for the data adapter and terminal.

You cannot make a data or fax call while you have a call already in progress.

Note: Be sure to make backup copies of important data before initiating a fax or data call.

To start an outgoing data or fax call

1) A data or fax transmission is always started from the data terminal

2) Start the transmission from the data terminal as you normally would. Your phone calls the number you entered into the display terminal.

3) After the data or fax transmission, the call should end automatically, or you can press (END) on your phone

To receive a data or fax call

1) Press (SND) to answer the call. Or, if you know that the incoming call is a data or fax call, you can answer the call from the data terminal.

2) After receiving the data or fax, the call should end automatically, or you can press (END) on your phone

12. Accessories

In addition to the accessories that were included in your phone's sales package, you may also find a separate full color accessories brochure. You can select from a wide range of Nokia accessories to accommodate your specific communication needs.

For availability, please check with your local dealer.

A few practical rules for accessory operation

Keep all accessories out of the reach of small children.

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

Check regularly that all cellular phone equipment in a vehicle is mounted and operating properly.

Installation of complex car accessories must be made by qualified personnel only.

Note: Use only batteries, antennas, chargers, and accessories approved by the phone manufacturer. The use of any other types will invalidate any approval or warranty applying to the phone, and may be dangerous.

Batteries

The following battery options are available for your phone. Charging times in the table are approximate, using either the Rapid Travel Charger (ACH-4U) or the Rapid Cigarette Lighter Charger (LCH-2). Talk times are also approximate.

(BBH-1S) 600 mAh NiMH Slim Battery

(BBT-1XV) 600 mAh NiMH Vibrating Battery

(BBH-2H) 1100 mAh NiCd Ultra Extended Battery

(BBH-1H) 1700 mAh NiMH Ultra Extended Battery

Also, see "Your Phone's Battery" on page 3 and "Important battery information" on page 6.

Approximate battery operation times

Battery	Charging Time	Talk Time	Standby Time
(BBH-1S) Slim 600 mAh NiMH	*60 min.*	*(Digital) Up to 1 hr. 15 min. (Analog) Up to 1 hr.*	*(Digital) Up to 27 hrs. (Analog) Up to 13 hrs.*
(BBT-1XV) Vibrating 600 mAh NiMH	*60 min.*	*(Digital) Up to 1 hr. 15 min. (Analog) Up to 1 hr.*	*(Digital) Up to 27 hrs. (Analog) Up to 13 hrs.*
(BBH-2H) Ultra Extended 1100 mAh NiCd	*120 min.*	*(Digital) Up to 2 hrs 15 min. (Analog) Up to 1 hr. 50 min.*	*(Digital) Up to 49 hrs. (Analog) Up to 23 hrs.*
(BBH-1H) Ultra Extended 1700 mAh NiMH	*180 min.*	*(Digital) Up to 3 hrs 30 min. (Analog) Up to 2 hrs. 50 min.*	*(Digital) Up to 76 hrs. (Analog) Up to 36 hrs.*

Note: Battery operation times vary according to signal conditions, network parameters set by the operator, and extreme temperatures.

Using the phone near the network's base station consumes less power. Keeping the antenna fully extended whenever possible maintains the connection to the network with less power.

CONTAINS: NICKEL METAL HYDRIDE AND/OR NICKEL CADMIUM BATTERY. MUST BE RECYCLED OR DISPOSED OF PROPERLY. MUST NOT BE DISPOSED OF IN MUNICIPAL WASTE.

NiMH
NiCd

Chargers

It is recommended that you allow your battery to fully discharge before you recharge it. Batteries last longer and perform better if allowed to discharge fully once in a while.

Also, see "When should you charge?" on page 4.

Rapid Travel Charger (ACH-4U)

This light and compact AC charger can be used with all battery options.

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

This charger can also be used together with the Light Desktop Charging Stand (CHH-2L) and the Compact Desktop Charging Stand (CHH-2).
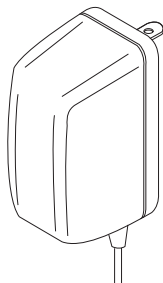
Rapid Cigarette Lighter Charger (LCH-2)

You can charge your phone's battery from your vehicle's battery by using the Rapid Cigarette Lighter Charger (LCH-2). Calls are possible during charging.
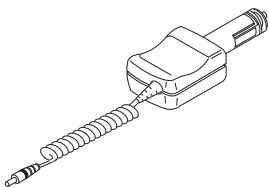
If the charger is connected to your phone, a red light indicates that your phone is charging. A green light means your phone is either finished charging or it is in trickle charge. When the charger is not connected to your phone, the green light means it is ready for charging. The battery charging times are the same as those for the Rapid Travel Charger (ACH-4U).

The input voltage range is from 10 to 30V DC, negative grounding. Avoid prolonged charging with the Rapid Cigarette Lighter Charger (LCH-2) when the car engine is not running; this may cause the battery of your car to drain. Note also that in some cars the cigarette lighter plug is not provided with electricity if the ignition is not switched on.

Fuse Replacement

The Rapid Cigarette Lighter Charger contains a protective fuse. The fuse is located in the charger tip. If the charger does not work, the fuse may be blown, in which case replace it with a 3 amp. 250 volt fuse. Never use a fuse with a higher rating.

Compact Desktop Charging Stand (CHH-2)

The Compact Desktop Charging Stand (CHH-2) allows you to place both the phone and a spare battery for charging at the same time in the stand. It is compatible with all battery options.
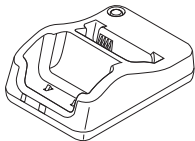
The charger starts to charge the spare battery as soon as it has finished charging the phone battery.

Connect the Rapid Travel Charger (ACH-4U) to the stand, and then plug the Rapid Travel Charger into a wall outlet. Place the phone and/or the spare battery in the stand.

To discharge the spare battery, press the blue button on the stand. When the battery is totally discharged, recharging starts automatically. (If you wish to stop discharging, press the button again to start the charging right away.) Only the spare battery can be discharged.

The blinking red light indicates discharging, the continuous red light indicates recharging and the green light indicates trickle charging. The phone is ready for use when the green light appears (check the charge on the phone display).

Light Desktop Charging Stand (CHH-2L)

The Light Desktop Charging Stand (CHH-2L) offers support for the phone during charging. Used together with the Rapid Travel Charger (ACH-4U), this drop-in stand is an economical choice when you need your phone close at hand, always ready for calls.
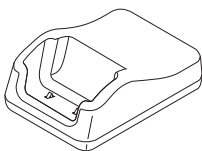
Charging is indicated by the scrolling battery bars on the right side of the phone's display. Charging is finished when the scrolling stops.

Note: The Light Desktop Charging Stand (CHH-2L) may not be available in all markets. Please consult your dealer for more information on availability.

13. Care & 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 the warranty obligations and to enjoy this product for many years.

Keep your phone and all its parts and accessories out of small children's reach.

Keep your phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.

Do not use or store your phone in dusty, dirty areas. Its moving parts can be damaged.

Do not store your phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.

Do not store your phone in cold areas. When your phone warms up (to its normal temperature), moisture can form inside your phone, which may damage electronic circuit boards.

Do not attempt to open your phone. Non-expert handling of your phone may damage it.

Do not drop, knock or shake your phone. Rough handling can break internal circuit boards.

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean your phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

If your phone or any of its accessories are not working properly, take them to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

14. For Your Safety

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 your phone in its holder; do not place your 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's forbidden to use it, or when it may cause interference or danger.

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 if you have any questions. Other electronic equipment may also be subject to interference.

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's recommended that the equipment should only be used in the normal operating position.

Users are advised to switch off their phones when at a refueling point (gas 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.

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

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

Electronic fuel injection systems, electronic anti-skid braking systems, electronic cruise control systems and other electronic systems can malfunction due to the lack of protection from radio signals. Check regularly that all cellular phone equipment in your vehicle is mounted and operating properly.

Switch off your cellular phone when in an aircraft. The use of cellular telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt the cellular network, and is illegal.

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

Emergency Calls

IMPORTANT!

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

Remember, to make or receive any calls your phone must be switched on and in a service area with adequate cellular signal strength.

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

Emergency calls on your phone

If certain features are in use (Keyguard, Locking, Call Restricting 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 cellular 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.

IMPORTANT!

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

15. Technical Data

Cellular System	CDMA and AMPS
Weight	8.39 oz (238g) with 600mAh NiMH Slim Battery 11.1 oz (314g) with 1700mAh NiMH Ultra Extended Battery
Frequency Range	824.040 - 848.970 MHz (TX) 869.040 - 893.970 MHz (RX)
Transmitter Output Power	0.4mW to 600mW nominal, in six 4dB steps (AMPS) 10µW to 250mW (CDMA)
Battery Voltage	6 V nominal
Charging current	750mA typical
Operating Temperature	-20°C to + 55°C (-4°F to + 140°F)
Number of Channels	832
Number of NAMs	2
Memory Locations	100
Memory Capacity	Alpha: 16 digits per location Numeric: 16 digits per location + 30 digits in 8 locations.

The information contained in this phone was written for dual-mode phone NHD-4NX. The right to make changes and improvements to any of the products described in this guide without prior notice is reserved.

NOKIA One-Year Limited Warranty

Nokia Mobile Phones, Inc. ("NMPI") 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, NMPI will repair, or replace, at NMPI'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 . NMPI will also pay for the labor charges incurred by NMPI 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 NMPI, the Consumer must provide information to reasonably prove the date of purchase.

6.   The Consumer shall bear the cost of shipping the Product to the Customer Service Department of NMPI. NMPI 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 NMPI, including damage caused by shipping and blown fuses.

b)   The Customer Service Department at NMPI 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 may contact the Customer Service Department at NMPI, at the phone number listed on the bottom of this page for further instructions.

c) The Consumer shall ship the Product prepaid and insured. 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 the Customer Service Department at NMPI 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 the Customer Service Department at NMPI after the expiration of the warranty period, NMPI'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 OF 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. NMPI 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 NMPI 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 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.   NMPI 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 the Customer Service Department at Nokia, 6200 Courtney Campbell Causeway, Suite 900, Tampa, FL 33607.
Tel.: 1-888-NOKIA2U (1-888-665-4228) or (813) 288-3800,
Fax: (813) 287-6612.

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

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