

NOKIA

CONNECTING PEOPLE



NOKIA 8860

Owner's Manual

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● For your safety



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

For more detailed safety information, "Important Safety Information" on page 80.



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



Switch Off Near Blasting

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



Interference

All mobile phones may get interference which could affect performance.



Use Sensibly

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



Qualified Service

Only qualified service personnel may install or repair cellular phone equipment.



Accessories and Batteries

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



Making Calls

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



Emergency Calls

Ensure the phone is switched on and in service. Press and hold **END** at any time to clear the screen. Enter the emergency number, then press **TALK**. Give your location. Do not end the call until told to do so.

1. Welcome

- **How to use this manual**

Using this Guide

The wireless phone described in this guide is approved for use in 800/1900 MHz TDMA/AMPS networks.

Network services

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

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

Updates

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

● How to contact Nokia

Customer service, USA

Nokia Mobile Phones

6200 Courtney Campbell Causeway, Ste. 900

Tampa, FL 33607

Tel: 1-888-NOKIA2U (1-888-665-4228)

or (1) 813-288-3800

Fax: (1) 813-287-6612

TTY: 1-800-24NOKIA (1-800-246-6542)

Customer service, Canada

Nokia Products Ltd.

575 Westney Rd. South

Ajax, Ontario L1S 4N7

Tel: (1) 905-427-6654

● Customer care contact number

This feature can be helpful if you're having difficulties dialing a number, especially when traveling outside your home area.

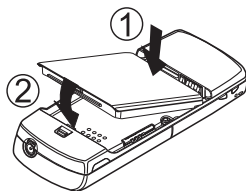
Press and hold the 2 key and your phone attempts to call a customer care operator in the area.

Note: This may not be available on all systems. Contact your service provider for availability.

2. Preparing your phone for use

● Attach the battery

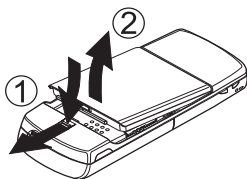
Fit the top of the battery gently into the space beneath the antenna. Then press down on the bottom of the battery until it clicks.



● Remove the battery

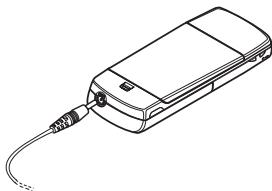
Note: Switch the phone off before removing the battery!

- 1 Press down on the small battery lock on the bottom of the phone.
- 2 While holding the battery lock down, lift the battery from the bottom off the phone.



● Charge the battery

- 1 Connect the lead from the charger to the bottom of the phone.
- 2 Connect the charger to an AC wall outlet. The battery indicator bar starts to scroll.



Note: If the battery is totally empty, it may take a few minutes before the charging indication appears on the screen.

Tip: The phone can be used while charging if the phone is switched on.

Note: Disconnect your phone from the charger if the phone becomes hot during a call.

- 3 The battery is fully charged when the battery indicator bar stops scrolling, and the `Battery full` text is briefly displayed if the phone is switched on.

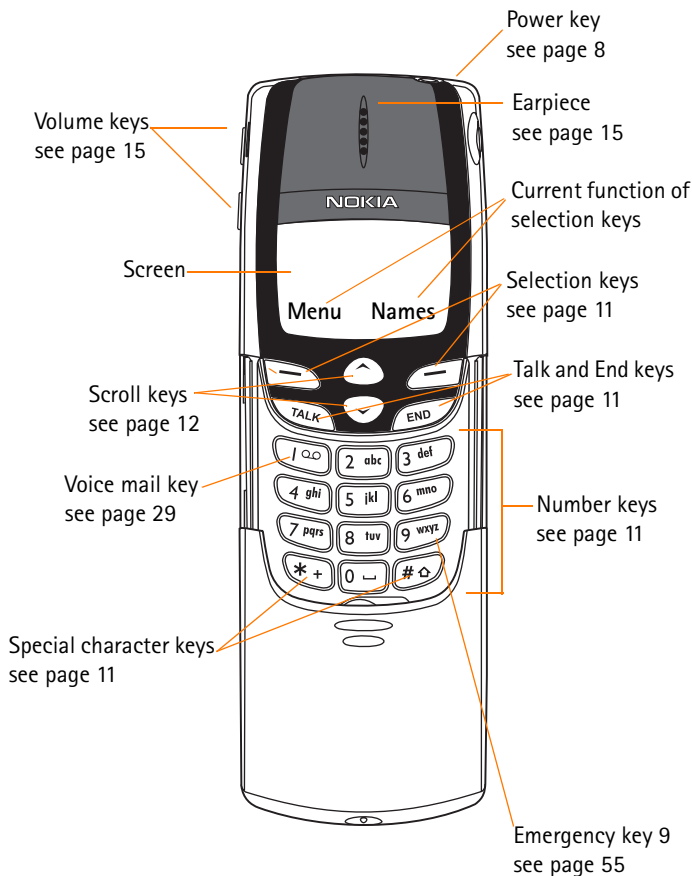
Charging time depends on the charger and battery used.

- 4 Disconnect the charger from the AC outlet and the phone.

● Discharging NiMH batteries

A NiMH battery lasts longer and performs better if you fully discharge it from time to time. To discharge the battery, leave your phone switched on until the battery is drained. The phone displays several messages that the battery is low and that you need to recharge it; just ignore them. Do not attempt to discharge the battery by any other means.

● Keys



● Switch the phone on (or off)

- Press & hold ① for more than a second.



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

3. About your phone

• Icons & indicators



You have an active call.



The phone is waiting for you to enter a response.



The current profile you have selected for your phone is Silent.



Keyguard has been activated to help prevent any accidental keypresses.



You have one or more voice messages waiting.



You have one or more unread text messages waiting.



Digital service is available.



Any characters you enter will be upper-case letters or numbers. Press the # key to switch letter case.



Any characters you enter will be lower-case letters or numbers. Press the # key to switch letter case.



This appears when you press and hold the # key when storing names. Letters can not be entered when this appears, allowing quicker access to numbers.



You are in "special character" mode; select a special character and press **Insert**. (When entering letters, you can switch to this mode by pressing the * key.)



The alarm clock is set.



You have a reminder in your calendar to do something (appears only on Calendar display).



You have a reminder in your calendar that it's someone's birthday (appears only on Calendar display).





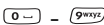







You have a reminder in your calendar to call someone (appears only on Calendar display).




You have a reminder in your calendar of a meeting (appears only on Calendar display).


● Using the keys

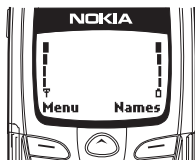
	Power key: Press and hold the key to switch the phone on or off.
	Selection keys: Press to perform the function indicated by the text on the screen above the key. See page 11.
	TALK key: Press to make a call to name/number shown on the screen or to answer a call. Tip: Press once to enter the list of last dialed numbers.
	END key: Press to end or mute a call. Tip: Press once to exit a function & to return to the Start Screen.
	Number keys: Used for entering numbers and letters. Tip: Press and hold  to call your voice mailbox.
	Special character keys:  is used for entering special characters. For example: Pressing  while you are in alpha mode changes the letter case.
	Scroll keys: Press to move through your phone's menu or phone book.

Using the selection keys

Below the screen you can find two selection keys. Their functions depend on the guiding texts shown above the keys.



For example, when there is the text **Menu** above the left selection key , pressing this key enters the menu functions.

Similarly, pressing the right selection key  under text **Names** allows you access to the phone book functions.



In this user guide, the selection keys are indicated by the relevant guiding text appearing in bold (for example, **Menu** or **Names**).

Using the scroll keys

Your phone has two scroll keys,  and , located just below the screen. The scroll keys have up and down arrows on them. Press these to move through your phone's menus and your phone book.

● Using the sliding cover

If you activate the slide setting, you can answer and end calls by opening or closing the slide. Your phone also prompts you to activate the keyguard once you close the slide.

Tip: If you activate keyguard, once you open the sliding cover keyguard is deactivated.

Tip: Closing the sliding cover always exits the menu and phone book functions and restores the clear screen.

To activate the slide setting:

- 1 Press **Menu** 4 2 6.
- 2 Scroll to **On** to activate the slide, or **Off** to deactivate the slide and press **OK**.

Note: The default setting for the slide is **On**.



Note: If you're using a headset and wish to close the keypad cover and still keep the call active, press **Options** once before closing the keypad cover.

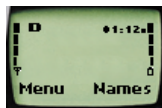
● About display indicators & icons

Display indicators and icons inform you about the operation of your phone. Most essential indicators and icons related to various phone functions are explained later in this user's guide.

Start Screen

The Start Screen displays when you first turn on your phone. Several features can be used only when the phone is at the Start Screen.

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



The signal strength indicator, located on the left side of the screen, shows the signal strength of the wireless network at your current location. The higher the bar, the stronger the signal.

The battery bars on the right side of the screen show the battery charge level. The higher the bar, the more power in the battery.

Scroll bar


When you access your phone's menu, there is a scroll bar at the far right of the screen. This bar indicates your location in the menu; each "tab" on the bar represents a different menu item.



For example, press **Menu** once. The scroll bar appears with the first (top) tab displayed. A different tab appears each time you press up or down on the scroll keys to move up and down through the menu items.

4. Making & answering calls


Making a call

- 1 Open the sliding cover.
- 2 Enter the phone number including the area code and press .

Normal position: Hold the phone as you would any other telephone.

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






- 3 Press  to end the call (or to cancel the call attempt). You can also end the call by closing the sliding cover.

Note: It is normal for your phone to become hot during use. If the phone becomes too hot, it automatically drops the current call and returns to the Start Screen. Until the phone cools, you will be unable to receive or make calls.

For information on activating the sliding cover setting, see "Using the sliding cover" on page 12.

Answering a call

- 1 Open the sliding cover to answer an incoming call. If the sliding cover is already open, press  to answer the call.
- 2 Press  or close the sliding cover to end the call.

Tip: You can mute the ringing of an incoming call by pressing  or by closing the sliding cover.




For information on call forwarding, see "Call forwarding" on page 37.

Adjusting the earpiece volume

You can adjust the earpiece volume while in a call (or at any time) by pressing the top volume key on the upper left side of the phone to increase the volume, or pressing the lower volume key to decrease the volume.

Redial last number

To call your last dialed number,

- 1 Get to the Start Screen (by pressing and holding  for a few seconds).
- 2 Press and hold  (or, you can press  in two quick successions).

Caller ID

This is a network service that helps identify incoming calls. Contact your service provider for details.

When Caller ID is active, your phone may display the caller's phone number. The caller's name may also display if their name and number has been stored in the phone book (see "Phone book" on page 24) or if the wireless network supports it.

If the wireless network doesn't recognize the calling number, Call or Call-caller ID unavailable displays. Also, Call-caller ID blocked may display if the calling party has blocked caller ID.

Voice privacy

Note: This feature may not be available in all wireless systems. See your service provider for details and availability.

Used only in digital networks, voice privacy encrypts the voice channel so that people can not eavesdrop on your conversation.

To set voice privacy

- 1 Press **Menu** 4 4 1 (Settings - Network services - Voice privacy).
- 2 Press **Select**.
- 3 Scroll to On or Off.
- 4 Press **OK**.

Voice privacy becomes active only during a call and notifies you with a beep. Voice privacy active also appears on the screen.

If you turn this feature on and voice privacy becomes inactive for any reason, your phone displays Voice privacy not active and beeps.

5. Menu

● About the menu



The menu allows you to use and personalize your phone.

The menus can be accessed by using the scroll keys or by using the appropriate shortcut number.

Accessing a menu item by using the scroll keys

- 1 Press **Menu**.
- 2 Scroll to the desired menu by pressing up or down on the scroll keys.

Tip: You can return to the previous menu level by pressing **Back**, or exit the menu without changing any settings by pressing **Exit**.

Tip: You can always exit the menu by pressing  without changing the menu settings. Pressing  returns you to the Start Screen.

Accessing a menu item by using the shortcuts

Most menu items and setting options are numbered above the scroll bar. These items can be accessed by their shortcut numbers:

- 1 Press **Menu**.
- 2 After pressing **Menu**, wait a few seconds, then enter the numbers of the menu item you want to reach.

Help texts

For most of the menu items in your phone, a brief help text is provided. To view the help text of a menu item, scroll to the desired item and wait for 5 seconds.

● List of menu items

Note: Your menu will vary depending upon the network services to which you have subscribed and the accessories used.

1 Messages

- 1 Text messages
 - 1 Inbox
 - 2 Saved
 - 5 Erase all
- 2 Voice messages
 - 1 Listen to voice messages
 - 2 Voice mailbox number
- 3 Welcome Note

2 Call log

- 1 Missed calls
- 2 Dialed calls
- 3 Received calls
- 4 Clear call lists
- 5 Call timers

3 Profiles

- 1 Normal
 - 1 Select (depends on accessory; see entry for this feature)
- 2 Customize
 - 1 Ringing options
 - 2 Ringing volume
 - 3 Ringing tone
 - 4 Vibrating alert (depends on accessory; see entry for this feature)
 - 5 Keypad tones
 - 6 Warning and game tones
 - 7 Message alert tone
 - 8 Lights (depends on accessory; see entry for this feature)

- 9 Automatic answer (depends on accessory; see entry for this feature)
- 3 Rename (not available in Normal, Car or Headset profiles)
- 2 Silent
- 3 Meeting
- 4 Outdoor
- 5 Pager
- 6 Car (depends on accessory; see entry for this feature)
- 7 Headset (depends on accessory; see entry for this feature)

4 Settings

- 1 Call settings
 - 1 Emergency key 9
 - 2 Automatic redial
 - 3 Calling card
- 2 Phone settings
 - 1 Clock
 - 2 Alarm clock
 - 3 Touch tones
 - 1 Manual touch tones
 - 2 Touch tone length
 - 4 Restore factory settings
 - 5 Language
 - 1 English
 - 2 French
 - 3 Spanish
 - 4 Portuguese
 - 5 Russian
 - 6 Hebrew
 - 7 Traditional Chinese
 - 6 Slide setting
- 3 Security settings
 - 1 Restrict calls
 - 1 Restrict outgoing calls
 - 2 Restrict incoming calls

- 2 Access codes
 - 1 Phone lock
 - 2 Unlocked phone number
 - 3 Change lock code
 - 4 Change security code
 - 5 Hidden voice mailbox password
- 4 Network services
 - 1 Voice privacy (must be added manually; see 'Network feature setting' on page 65)
 - 2 Call forwarding (must be added manually; see 'Network feature setting' on page 65)
 - 3 Call waiting (must be added manually; see 'Network feature setting' on page 65)
 - 4 Send own number (must be added manually; see 'Network feature setting' on page 65)
 - 5 Network feature setting
 - 6 NAM selection
 - 7 Public system selection (may not be available; see your service provider)
 - 8 Digital/analog selection (may not be available; see your service provider)
- 5 System**
 - 1 Automatic
 - 2 Manual
 - 3 New search
- 6 Games**
 - 1 Memory
 - 2 Snake
 - 3 Logic
 - 4 Rotation
- 7 Calculator**
- 8 Calendar**
- 9 Keyguard**

6. Entering letters & numbers

You can enter letters, as well as numbers, when storing information into your phone by using your phone's keypad. To enter letters, press the key associated with the letter you wish to enter until it appears on the screen (numbers also appear).

ABC mode



When you need to enter letters into your phone, it automatically switches to **ABC** mode.



Your phone displays the **ABC** icon to indicate that your phone is in ABC mode. It also displays when you are viewing names rather than numbers.


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	0	Enters an empty space, 0
5	JKL5	*	(See next page for details)
6	MNO6	#	Changes letter case; long press toggles between ABC/abc and 123 mode

While you're editing a name, the  scroll key moves the cursor to the left, and the  scroll key moves it to the right. Press **Clear** to correct any mistakes.

If you wish to enter an empty space between characters, press 0 for each space.


Changing letter case

Press the  key to switch between upper and lower case letters. The **ABC** icon switches to **abc** to indicate you are using lower case.

123 mode


When storing names to the phone book, you can enter a number within a name at any time. Press the desired number key a few times until the number appears.



However, you can do this more quickly by switching to **123** mode.

Press and hold the  key for about 2 seconds while in **ABC** mode and the **123** icon appears. While in 123 mode, only numbers can be entered.


To return to ABC mode, press the  key again for a couple of seconds.

Inserting punctuation symbols & special characters (for storing names)


When in ABC mode, you can press the  key and the following special characters appear. You can use these characters when storing names in your phone book.

Press  or  to highlight the one you wish to use and press **Insert**.

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


Tip: If you wish to access a special character that appears toward the end of this list, press  for quicker access.

Inserting punctuation symbols & special characters (for storing numbers)

The following special characters are helpful when you store names to your phone book (see page 24). Press the  key once or repeatedly, depending on the character you wish to insert, and the following characters can be stored within the number sequence:

(p) creates a pause when a number is dialed; the digits located to the right of the "p" are automatically sent as touch tones after a 2.5 second pause (see "Touch tones" on page 43).



(w) creates a "wait" when a number is dialed. The "w" makes your phone wait for you to press , then it sends the digits located to the right of the "w" as touch tones (see "Touch tones" on page 43).

You can add as many special characters as you need in a single number sequence. These characters can only be entered in **123** mode.

7. Phone book

● About the phone book

You can store up to 250 numbers and associated names in your phone's memory.

Stored numbers may be up to 32 digits long.

Stored names may be up to 26 characters long.

You can not store identical names into your phone (i.e., John, John); make sure that like names are somewhat different in the phone book (i.e., John, Johnny).

Replace? followed by the currently stored name displays when storing a name already in memory.

About the menus

The phone book has several menus from which you can choose. Press **Names** and then scroll to the desired item:

- **Search** allows you to search for a specific name.
- **Add new** allows you to enter new names and numbers.
- **Options** lets you choose your scrolling view, as well as to show memory status.
- **1-touch dialing** allows you to assign up to seven one-touch dial locations (see page 53 for details).
- **Caller groups** allows you to rename or change the ringing tone for a caller group.
- **Erase all** lets you erase every name and number in your phone book. You can erase one name and number at a time by pressing **Details**, then **Options** when viewing a name already in the directory.

Using the phone book

- 1 Press **Names**.
- 2 Scroll to the desired item (for example, Add new).
- 3 Press **Select**

Or, as a shortcut, from the Start Screen:

- 1 Enter the phone number and press **Save**.
- 2 Enter a name at Name : if you wish (optional).
- 3 Press **OK**.



Scrolling view

There are three different options on how you can view the phone book. Name+number is the default view.

- Name+number displays individual names and numbers stored in your directory. Only one name displays on your screen at a time, with the corresponding phone number. Use the scroll keys to view other names.
- Name list shows all stored names in a scrolling list. Three names appear at any given time. To view other names in the directory, scroll back and forth through the list using the scroll keys. Name list is the default setting.
- Name only shows individual names only. To view other names, use the scroll keys. You can view the corresponding phone number by pressing **Details**, then scrolling up or down.

Selecting your scrolling view

- 1 Press **Names**.
- 2 Scroll to Options, then press **Select**.
- 3 Press **Select** at Scrolling view.
- 4 Scroll up or down to select either Name list, Name+number, or Name only, then press **OK**.

● Saving names & numbers

- 1 Press **Names**.
- 2 Scroll to **Add new** and press **Select**.
- 3 Enter the name using the keypad (use # to switch between upper and lower case)
- 4 Press **OK**.
- 5 Enter the phone number and press **OK**.





Also, see "Entering letters & numbers" on page 21.




Changing a number stored with a name

- 1 Press **Names**.
- 2 At **Search**, press **Select**.
- 3 Enter the first few letters of the name for which you are searching and press **OK**.
- 4 Press **Details** to view the number.

Note: If you selected the **Name+number** view of your phone book, **Options** displays instead of **Details**.

- 5 Press **Options**
- 6 Scroll to **Edit** and press **Select**.
- 7 Press **OK** while the name is displayed, unless you wish to change it. If so, press and hold **Clear**, re-enter the name and press **OK**.
- 8 Press and hold **Clear** to erase the number, or use the  and  keys to edit.
- 9 Enter the new number.
- 10 Press **OK** to save the new number.


Recalling numbers

- 1 At the Start Screen, press  or  to view names in the directory.
- 2 Scroll to the person you wish to call and press  to dial the number (your phone displays the number dialed to confirm).

Tip: You can use this method to make a call without opening the slide.

Or,

- 1 At the Start Screen, press **Names**.
- 2 Press the number on the keypad with the corresponding first letter of the name you wish to call.

You can also recall numbers by name by pressing **Names**, then press **Select** at Search. Enter the name of the person you wish to call and press **OK**, then press .

Erasing stored names & numbers

Note: You can not undo Erase functions, so be careful!

- 1 Recall the stored name.
- 2 Press **Details**.

Note: If you selected the Name+number view of your phone book, **Options** displays instead of **Details**.

- 3 Press **Options**.
- 4 Highlight **Erase**, then press **Select**.
- 5 Press **OK**.

Erasing your entire phone book

Warning: This feature erases your entire phone book, which can not be undone!

- 1 Press **Names**.
- 2 Scroll to **Erase all** and press **Select**.

- 3 At Are you sure?, press **OK**.
- 4 Enter your security code at Security code:
- 5 Press **OK**.


Memory status

This feature allows you to see how many free and in-use memory locations are in your directory.

- 1 Press **Names** and scroll to Options.
- 2 Press **Select**.
- 3 Scroll to Memory status and press **Select** again, to view the number of in-use and free memory locations.

8. Voice mail

Voice mail is a network service that may require a subscription from your service provider.

Your phone notifies you when you receive a voice message. New voice message and the  icon appear on your screen, and your phone sounds a short beep. Your phone displays the number of voice messages if you've received more than one.

Saving your voice mailbox number

Before you can retrieve any voice messages, you must save your voice mailbox phone number. Your service provider usually gives this number to you.

- 1 Press **Menu** 1 2 2 (Messages - Voice messages - Voice mailbox number).
- 2 Enter your voice mailbox phone number.
- 3 Press **OK**.

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

Greetings, passwords, and prompts

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

Listening to your voice messages

When your phone alerts you to new voice messages, press **Listen** and follow the prompts. If you'd rather listen to your messages later, press **Exit**.

Another way to listen to your voice messages is to press and hold the 1 key. Calling voice mailbox appears on the screen. Or, you can press **Menu** 1 2 1 (Messages - Voice messages - Listen to voice messages).

9. Call log

This feature automatically keeps track of numbers you've dialed, numbers from which you have received calls, and the amount of time you've spent on calls.

Tip: You can dial any of the phone numbers by pressing



while the number is on the screen.



The 'Options' selection key

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


- **Call time** shows the date and time when the call was first connected (if clock has been set).
- **Edit number** allows you to edit the dialed number.
- **Save** allows you to save the number into your phone book.
- **Erase** erases the number from the call list.
- **View number** appears only if the number has been stored in the phone book and the name is displayed instead of the number.

Missed calls

Your phone stores up to the last 30 calls you have missed. If you have missed any calls, **Missed calls** displays on the screen, along with the number of calls missed. Missed calls appear in your phone only if it was turned on and in a service area when the call was missed.

Checking missed calls

- 1 Press **List**.

2 To call back the displayed number, press .

3 Press **Back** to return to the Start Screen.



Or, press **Menu 2 1** (Call log - Missed calls), then scroll through the list.


When the Forward if not answered option in the Call Forwarding feature (see page 37) is selected, your phone treats the forwarded calls as missed calls.

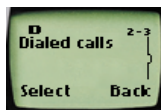
Dialed calls




Your phone automatically stores the last 30 numbers you've dialed.

1 Press **Menu 2 2** (Call log - Dialed calls).

2 Use  or  to scroll through the dialed numbers list.

3 Press  to dial the number you wish to call.



You can also access the last 30 dialed numbers by pressing , then quickly press  or  to scroll through the list.

Also, see "Call log" on page 31 for details on other call lists.

Received calls

Your phone stores numbers of the 30 most recent calls you've answered.

Press **Menu 2 3** (Call log - Received calls), then scroll through the numbers.

Clear call lists

Careful: You can not undo this operation, so be careful.

This feature clears all dialed numbers, as well as numbers of answered calls and missed calls.

1 Press **Menu 2 4** (Call log - Clear call lists).

- 2 Scroll to All, Missed, Dialed, or Received and press **OK** (All clears all call lists, while the others clear their respective call lists).

Call timers

Your phone automatically tracks the amount of time you've spent in calls.



- 1 Press **Menu** 2 5 (Call log - Call timers).
- 2 Scroll to access the following options:
 - **Last call** displays the call duration of the last call.
 - **Dialed calls** displays the duration of outgoing calls since timers have last been reset.
 - **All calls** displays the call duration of all calls made since timers have last been reset.
 - **Life timer** displays the duration of all calls for the life of your phone and cannot be reset.
 - **Clear timers** clears all call timers for the currently-selected NAM (phone number). Your phone has separate timers for each NAM your phone uses, except for the Life timer.

Careful: Clearing call timers can not be undone. If you are using the call timers to log or track the amount of time you are using your phone, you may wish to record the call timers before you erase them.

To clear timers:

- 1 Press **Menu** 2 5 5 (Call log - Call timers - Clear timers).
- 2 Enter your security code at **Security code**:
- 3 Press **OK**.

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.

Current call timer

This feature displays the running elapsed time while a call is active. Once the call has ended, press any key to clear the screen.

- 1 Press **Menu 2 5** (Call log - Call timers)
- 2 Press **Details**.
- 3 With Current call timer displayed, press **Select**.
- 4 Scroll to **On**, and press **OK**.

10. Advanced calling features

● In-call options

Your phone provides a number of in-call options which you can use during a call. You cannot utilize all of these options at all times. Many of the in-call options are network services.



Press **Options** during a call to choose from some or all of the following in-call options:

- **Mute** (to mute the phone's microphone). If your phone is already muted, press **Unmute**. If these texts are not available, press **Options**, scroll to **End mute** and press **Select**.

Note: Muting and unmuting also affect the microphones of any accessories connected to the phone.

Note: When your phone is connected to a headset, the option **Lock keys** displays first in this list of options.

- **Touch tones** You can manually enter a touch tone string or search for one in your phone book (see "Phone book" on page 24).
- **New call** (to make a call when you have a call in progress) (see "Making a conference call" on page 37).
- **Menu** (to access the Menu)
- **Names** (to access the phone book)

Call waiting

Note: This feature may not be available in all wireless systems. See your service provider for details and availability.

If you have subscribed to Call Waiting, your phone beeps during a call to alert you to an incoming call. Your phone may also display the incoming caller's identification (see "Caller ID" on page 15).

Activating call waiting

- 1 Ask your service provider for the feature code. Store it into your phone, then activate the code.

For information on storing a feature code, see "Storing codes" on page 65.

- 2 Press **Menu** 4 4 3 (Settings - Network services - Call waiting).

- 3 Scroll to **Activate** (or select **Cancel** to cancel) and press **OK**

Note: This feature may not appear in your phone's menu until the feature code has been stored.

Your phone attempts to call the network to confirm the feature code you entered in Menu 4 4 5 (see "Network feature setting" on page 65).

Once the feature code has been confirmed, call waiting is activated.

This feature allows you to add a third party to a call. You can use this feature with local and long distance calls.


Answering an incoming call with call waiting

Press .

Swapping between two calls

Press .

Ending the calls

Press  to end both calls.

Making a conference call

- 1 While in a call, enter (or recall from the phone book) the phone number of the party you wish to call and press **TALK**. Now, skip to step 3. Or, you can:
- 1 Press **Options**, scroll to **New call** and press **OK**.
- 2 Enter the phone number you wish to call and press **OK**.
- 3 Once the third party answers, press **TALK** to connect all three parties.
- 4 To place one of the parties on hold, press **TALK** again. If you press **TALK** a third time, the party you placed on hold is rejoined in the call, and the second party is placed on hold.

Note: Once you place one of the parties on hold, you are unable to rejoin all three parties.

- 5 To drop all parties, press **END**.

Recalling a number from the phone book during a conference call

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

● Call forwarding

Note: This feature may not be available in all wireless systems. See your service provider for details and availability.

This network service is used to forward incoming calls to another number so you won't miss an important call.

Note: Before you can activate this feature, you should first store the feature code given to you by your service provider. Otherwise, this feature may not appear in the menu.

However, you can use the feature code manually, if you choose, by including the feature code in front of the phone number (For example, *72 555 1212).

See "Storing codes" on page 65 for more information.

- 1 Press **Menu** 4 4 2 (Settings - Network services - Call forwarding).
- 2 Scroll to desired call forwarding options (*see options below*) and press **Select**:


Call forwarding options

- Forward all calls forwards all incoming calls.
 - Forward if busy forwards calls only when you're on the phone.
 - Forward if not answered forwards calls if you don't answer.
 - Forward if out of reach forwards calls if you are out of the serving wireless network.
 - Cancel all call forwarding cancels all call forwarding options you have active.
- 1 Highlight **Activate** and press **OK**.
 - 2 Enter phone number at **Number :** (or press **Search** to locate number in phone book).
 - 3 Press **OK**.

Your phone attempts to call the network to confirm the feature code you entered in Menu 4 4 5 (see "Network feature setting" on page 65).



Once the feature code had been confirmed, the feature is activated.

● Automatic redial

Your phone redials the number you're trying to call up to 10 times after you hear a quick, busy signal. Press  to stop the call attempts.

This feature attempts to redial numbers that are busy due to the wireless network. It does not redial numbers to a busy party.

Activating automatic redial

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

● Calling card



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



Saving calling card information

- 1 Press **Menu** 4 1 3 (Settings - Call settings - Calling card).
- 2 Scroll to the desired calling card and press **Options**.
- 3 Scroll to **Edit** and press **OK**.
- 4 Enter your security code and press **OK**.
- 5 Press **Select** at Dialing sequence.
- 6 Select the dialing sequence your card uses (use chart on next page), scroll to choose a sequence.
- 7 Press **Select**.

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

- Enter access number when prompted for the calling card's access number (usually the 1-800 number listed on the back of the calling card). Press **OK**.

Note: You can also retrieve the access number from your phone book if it has already been stored. Simply press **Search**, then  or  to find the number.

- Enter card number and/or PIN when prompted to enter calling card number and personal identification number. Press **OK**. Press **OK** again at **Save changes?**
- Press  or  to **Card name** and press **Select**. Enter the card name using your phone's keypad. Press **OK**.



Note: See "Entering letters & numbers" on page 21 if you need help on entering the card name.

For details about your phone's security code, see "Security code" on page 58.

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

Choosing a calling card to use

- 1 Press **Menu** 4 1 3 (Settings - Call settings - Calling card).
- 2 Scroll to the desired card and press **Options**.
- 3 Press  or  to highlight **Select** and press **OK**.
- 4 Enter your security code at **Security code**:
- 5 Press **OK**.

Your phone displays **Card ready for use**.

Making calling card calls

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

Note: This procedure may not apply to all calling card options programmed into your phone. Please look at the back of your calling card or contact your long distance company for more information.

● Send own number

Note: This feature may not be available in all wireless systems. See your service provider for details and availability.

In most service areas, when you call someone your name is presented to his/her caller ID (if they subscribe). This feature allows you to block their caller ID (your number is not presented) when you call them. This feature works on a per-call basis. Contact your service provider for more details.

Note: Before you can activate the send own number feature, you must first store the feature code given to you by your service provider. Otherwise, this feature may not appear in the menu. See "Network feature setting" on page 65 for more details.

Note: This feature is only effective when calling to a number that is equipped with Caller ID.

- 1 Press **Menu** 4 4 4 (Settings - Network services - Send own number).
- 2 Scroll to **Yes** (to show your number) or **No** (to not show it).
- 3 Press **OK**.
- 4 Enter the number you wish to call (or press **Search** to retrieve the number from the phone book and press **OK**), then press **OK**.

Your phone attempts to call this number with the feature code you stored in Menu 4 4 5 (see "Network feature setting" on page 65).

● **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).

For example, your phone can be activated in up to 3 different service areas (e.g. one in Dallas, another in Chicago, and maybe one more in New York), each giving your phone a different phone number or account.

Only one number can be active at a time. When you select a phone number, you're also selecting which system you're using as your home system (see "System" on page 66). The first phone number displayed with this menu is the currently selected number.

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

Selecting the NAM for your phone

- 1 Press **Menu** 4 4 6 (Settings - Network services - NAM selection).
- 2 Scroll to the phone number you want to use and press **OK**.

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

● Digital/analog selection

Use **Menu** 4 4 8 to choose a mode for your phone.

Digit. & analog means the phone will work in digital or analog networks. The phone tries to find a digital network but selects an analog network if no digital network is available.

Analog forces the phone to use AMPS analog networks only.

Digital forces the phone to use TDMA digital networks only.

● Touch tones

This setting determines how long tones are produced when you press the keys on your phone's keypad. Note that touch tones are sometimes called DTMF tones.



Setting manual touch tones

- 1 Press **Menu** 4 2 3 1 (Settings - Phone settings - Touch tones - Manual touch tones).
- 2 Select one of the following options, then press **OK**:
 - Continuous means the tone sounds for as long as you press and hold the key.
 - Fixed sets the tone length to .1 second, regardless of how long you press the key.

- **OFF** turns the tones off, and no tones are sent when you press the keys.

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.

Setting touch tone length

This feature determines the length of each touch tone when touch tones are sent automatically.

Short sets the tone length to .1 second. **Long** sets the tone length to .5 second.

- Press **Menu** 4 2 3 2 (Settings - Phone settings - Touch tones - Touch tone length).

Storing touch tone strings

Store touch tone strings the same way you store phone numbers (see page 26).

You can store an entire digit sequence in your phone book and send it as touch tones for frequently-used strings of numbers.

Storing touch tone strings with phone numbers

- 1 Enter the phone number (for example, your office voice mailbox).
- 2 Press *** (p) or **** (w).

See "Inserting punctuation symbols & special characters (for storing numbers)" on page 23 for details on "p" and "w" characters.



When you dial this number, your phone first dials the phone number, then waits (because of the "w" character) for you to press **Send**. 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.

- 3 Enter the touch tone string (e.g. voice mailbox password).
- 4 Store the number as you normally would.

Sending a touch tone string

- 1 Make sure **Menu 4 2 3 1** (Settings - Phone settings - Touch tones - Manual touch tones) is not set to Off.
- 2 During a call, press **Options**.
- 3 Scroll to Touch tones and press **OK**.
- 4 Enter the touch tone string or recall the string from the phone book.
- 5 Press **OK**.

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

11. Customizing your phone

● Profiles

Profiles allows you to customize your phone's ringing volume, ringing tone, message alert, keypad tones, warning and game tones, etc., in a matter of seconds.

Note: Restore factory settings (see page 51) resets any changes made in Profiles back to the factory defaults. The default setting is **Normal**.



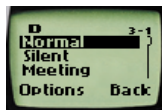
Selecting different profiles

- 1 Quickly press the **Ⓢ** key.
- 2 Quickly press **Ⓢ** again to scroll through each choice (or you can use the scroll keys).
- 3 Press and hold the **Ⓢ** key for a second (or you can press **OK**) to select the highlighted profile.

Note: To select different profiles, your phone must not be connected to a car kit or a headset, and your phone must be at the Start Screen.

Customizing profiles

- 1 Press **Menu 3** (Profiles).
- 2 Scroll to the desired profile.
- 3 Press **Options**.



Once **Options** is selected, **Select**, **Customize** and **Rename** appears as your choices.

- **Select** activates the currently highlighted profile.
- **Customize** allows you to customize a profile by changing the current settings.
- **Rename** allows you to rename the profile.

Note: **Rename** does not appear as an option for the **Normal**, **Headset**, or **Car** profiles.

Note: **Car** and **Headset** does not appear in the profiles list unless your phone is connected to a car kit or a headset. However, they remain in the menu once connected for the first time, unless you choose to restore your phone's factory settings. See "Restore factory settings" on page 51.


Once you have selected one of these items, press **OK**. If you wish to go back to the main menu, press **Back**.

When you select **Customize**, press **OK** to choose from several lists that enable you to adjust the settings on the current profile.



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

Ringing options

You can choose how your phone notifies you of an incoming call. This setting does not affect incoming text message alert tones (see page 69).

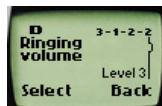
- 1 Press **Menu 3** (Profiles).
- 2 Your phone lists each profile. Use  to highlight the one you want to set the ringing options for.
- 3 Press **Options**.
- 4 Highlight **Customize** and press **OK**.
- 5 Scroll to **Ringing options**, then press **Select**.
- 6 Scroll to **Ring**, **Ascending**, **Ring once**, **Beep once**, **Caller groups**, or **Silent**, and press **OK**.


Note: Caller groups sets the phone to Silent except for calls from people in selected caller groups.

- 7 Press  or  to highlight the desired caller group(s), then press **Mark** to select or **Unmark** to de-select them.

Ringing volume

This sets the default ringing volume for incoming voice calls and message alert tones.




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


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

Ringing tone

Ringing tones set the ringing tone for incoming voice calls.



If you set **Ringing Options** (see page 47) to **Silent** or **Beep once**, ringing tones are automatically off.

Note: To silence the ringing of an incoming call, press .

- 1 Press **Menu 3** (Profiles).
- 2 Your phone lists each profile. Use  to highlight the one for which you want to set the ringing tones.
- 3 Press **Options**.
- 4 Highlight **Customize** and press **OK**.
- 5 Scroll to **Ringing tone**, then press **Select**.

Scroll through the options. After you hear the tone you wish to use, press **OK**.

Vibrating alert

- 1 Press **Menu** 3 (Profiles).
- 2 Use  to scroll to the profile for which you want to set the vibrating alert and press **Options**.
- 3 Highlight **Customize** and press **OK**.
- 4 Scroll to **Vibrating alert**, then press **Select** again.
- 5 Use  to highlight **On** or **Off** and press **OK**. If you have set **Ring** options (see page 47) to **Silent**, your phone does not vibrate.

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

Note: **Vibrating alert** does not appear as an option for the **Car** profile.


Keypad tones

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

Note that if you choose the **Silent** profile, keypad tones are turned off.



Warning & game tones

Warning and game tones include tones your phone makes for conditions such as errors, confirmations, power on, battery low, and recharge battery. These tones also include the sounds your phone makes as you play its various games. You can set warning and game tones on or off.

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

Message alert tone

Also, see "When you receive a text message" on page 69.


- 1 Press **Menu 3** (Profiles).
- 2 Use  to scroll to the profile for which you want to set the message alert tone and press **Options**.
- 3 Highlight **Customize** and press **OK**.
- 4 Scroll to **Message alert tone**, then press **Select**.
- 5 Use  to scroll through your choices (your phone plays samples) and press **OK**.

Automatic answer

With this on, your phone answers incoming voice calls after one ring.

Note: This can only be used when your phone is connected to a headset or to an approved handsfree car kit equipped with the ignition sense option, with the ignition on.

Activating automatic answer


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

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


- 3 Highlight **Customize** and press **OK**.
- 4 Scroll to **Automatic answer**, then press **Select** again.
- 5 Scroll to **On** and press **OK**.

Lights

This is one of the settings in your phone's **Car** profile (see page 46), and works only when your phone is connected to a car kit. This feature determines whether the lights are on only when you use your phone, or if they are on at all times.

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

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

- 3 Highlight Customize and press **OK**.
- 4 Press  to highlight Lights and press **Select**.
- 5 Scroll through your choices and press **OK**.

If you select Automatic, your phone's lights are turned off within fifteen seconds if no keys are pressed. If On is selected, then the lights remain on the entire time your phone is connected to the car kit.

Renaming profiles

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

Note: The Normal, headset, and car kit profiles can not be renamed.

● Restore factory settings

You can reset the settings of many of your phone's features to factory defaults.

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

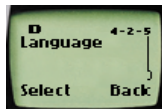
Note: The memory, timers, language selection, security code and lock codes are not reset. However, any profiles you have modified are reset when you restore your settings.

● Setting the display language

The Language menu allows you to select the display language for your phone.

- 1 Press **Menu** 4 2 5.
- 2 Scroll to the language you wish to use, then press **OK**.

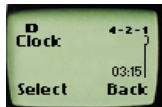
You can choose from English, French, Spanish, Portuguese, Russian, Hebrew, and Chinese Traditional.



● Displaying the clock

Your phone has an internal clock that can be displayed or hidden. Your phone also features an alarm clock (see page 74).

- 1 Press **Menu** 4 2 1 (Settings - Phone settings - Clock).
- 2 Scroll to either **Hide clock** or **Display clock** (only one displays depending on the current setting).
- 3 Press **Select**.



Setting the clock

- 1 Press **Menu** 4 2 1 (Settings - Phone settings - Clock).
- 2 Scroll to **Adjust time** and press **Select**.
- 3 Enter present time at **Time:** (use two-digit fields for hours and minutes).
- 4 Press **OK**.
- 5 Select **am** or **pm** and press **OK** (if am/pm format has been selected; see next page).

Selecting time format



- 1 Press **Menu** 4 2 1 (Settings - Phone settings - Clock).
- 2 Scroll to Time format and press **Select**.
- 3 Scroll to either 24-hour or am/pm.
- 4 Press **OK**.

Welcome note


You can put a welcome note into your phone. The welcome note displays a message each time you turn your phone on (for example, hello, your name, a reminder, etc.). The maximum length is 36 characters.



- 1 Press **Menu** 1 3 (Messages - Welcome note).
- 2 Enter new message or edit an existing one.

Characters you enter are added to the left of the cursor. Press **Clear** to delete characters to the left of the cursor. Press  or  to move the cursor right or left.

For more information on entering letters and numbers, see "Entering letters & numbers" on page 21.

- 3 Press **Options**.
- 4 Press  to Save or Erase.
- 5 Press **OK**.

1-touch dialing

You must store names and numbers in your phone book (see page 26) before you can use this feature. Then you can assign a name from the phone book to a one-touch dial location using your phone's keys 2 through 8.

Note: Keys 1 and 9 are used exclusively for dialing your voice mailbox (see page 29) and for attempting emergency calls (see page 83) to the emergency number programmed into your phone (e.g. 911 or other official emergency number). The 2 key may be used for dialing a customer care operator (see page 4), which can be overwritten if you prefer.

Assigning 1-touch dial locations

- 1 Press **Names** and scroll to 1-touch dialing.
- 2 Press **Select**.
- 3 Scroll to the next available empty location, at which (empty) appears.
- 4 Press **Assign**.
- 5 Scroll to select the desired name and press **Select**.

Repeat as necessary.

Calling a number using one-touch dialing

Press and hold the key for a few seconds to call the number in the corresponding one-touch dial location.

Note: If you press and hold 1, your phone calls your voice mailbox. If you press and hold 9, and Emergency key 9 (Menu 4 1) is On, your phone attempts a call to the emergency number programmed into your phone (e.g. 911 or other official emergency number).

Changing numbers in the 1-touch dial list

With this feature, you can assign a different number to any one-touch dial location.


- 1 Press **Names** and scroll to 1-touch dialing.
- 2 Press **Select**.
- 3 Scroll to the location you wish to change and press **Options**.
- 4 Scroll to Change and press **Select**.

- 5 Scroll through phone book to select the new number and press **Select**.

Erasing 1-touch dial locations

- 1 Press **Names**
- 2 Scroll to 1-touch dialing and press **Select**.
- 3 Scroll to the location you wish to erase and press **Options**.
- 4 Scroll to **Erase** and press **Select**.
- 5 Press **OK** at Erase?

● Emergency key 9

With this feature on, the phone attempts to make an emergency call when you press 9, then . The phone dials the emergency number pre-programmed into your phone.

Note: You can also dial an emergency call by pressing and holding 9 until the phone indicates it is attempting to make an emergency call. However, this method does not work when Keyguard is active.

Activating Emergency key 9

- 1 Press **Menu** 4 1 1 (Settings - Call settings - Emergency key 9).
- 2 Scroll to On to activate or Off to cancel.
- 3 Press **OK**.

IMPORTANT!

Official emergency numbers vary by location (e.g. 911). Only one emergency number is programmed into your phone to be dialed automatically by Emergency key 9, which may not be the proper number in all circumstances.




● Caller groups

Note: To use this feature, caller ID must be supported by the network. Contact your service provider for more information.





You can create groups of names in your Phone book (see page 24), and give each group a different ringing tone. This allows you to recognize who is calling you by the way your phone rings.

Adding names to a caller group

Note: The names and numbers that you add to a group must already be stored in your phone book. See "Saving names & numbers" on page 26.

- 1 At the Start Screen, press  until you see the name or number you want to assign to a caller group.
- 2 Press **Details**, if shown, or skip to Step 3.
- 3 Press **Options**.
- 4 Use  to reach **Caller groups**.
- 5 Press **Select**.
- 6 Use  to reach the group to which you want to add this name or number.
- 7 Press **Select**.


Defining a ringing tone for a caller group

- 1 At the Start Screen, press **Names**.
- 2 Press  to reach **Caller groups** and press **Select**.
- 3 Use  to reach the group you want, then press **Select**.
- 4 Press  until you see **Group ringing tone**, then press **Select**.
- 5 Use  to reach the tone you want to hear when anyone from this group calls you.


- 6 Press **OK**.

Tip: You can set your phone to ring *only* when people from certain caller groups call you, and to otherwise be silent.

Renaming a caller group

- 1 Follow steps 1-3 in "Defining a ringing tone for a caller group".
- 2 Press  to scroll to **Rename group**.
- 3 Press **Select**.
- 4 Enter the group name (see "Entering letters & numbers" on page 21. *for details*) and press **OK**.

Removing names from a caller group

- 1 Follow steps 1-4 in "Adding names to a caller group".
- 2 Use  to scroll to **No group**.
- 3 Press **Select**.

Caller group graphics

When someone calls you from a particular caller group, your phone can display a graphic to identify from which caller group that person is calling.

- 1 Press **Names** and scroll to **Caller groups**
- 2 Press **Select**.
- 3 Scroll to the caller group you wish to display the graphic for and press **Select**.
- 4 Scroll to **Group graphic** and press **Select**.
- 5 Scroll to **On** to display the graphic that goes with that particular caller group.

12. Security settings

Your phone is equipped with a versatile security system to prevent unauthorized use of the phone.

● Security code

Your phone prompts you for a security code for certain features. These features can be used only after the correct security code has been successfully entered.

Note: When entering your security code, an * appears on the screen each time you press a number key, to prevent others from viewing your code.

If you make a mistake entering the code, erase the last digit entered by pressing **Clear**, or press and hold **Clear**. Then enter the correct code or press **Back** to exit the current feature.

If you enter an incorrect security code (Code error appears) five times in a row, your phone won't accept any entries for the next five minutes.

Your phone's default security code is 12345. It's highly recommended that you change this code at once, write it down, and store it in a safe place away from your phone.

Changing your security code

- 1 Press **Menu** 4 3 2 4 (Settings - Security settings - Access codes - Change security code).
- 2 Enter your security code and press **OK**.
- 3 Enter your new security code at Enter new security code:
- 4 Press **OK**.

- 5 Enter your new security code again at **Verify new security code** :
- 6 Press **OK**.

Your phone displays **Security code changed**.

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

● Lock code

You'll need the lock code to activate and deactivate Phone Lock, or to change your lock code. The default lock code is 1234. If you enter an incorrect lock code five times in a row, your phone prompts you for the security code (see page 58).

Changing your lock code

Note: In a lock code, only numeric characters are accepted.



- 1 Enter **Menu** 4 3 2 3 (Settings - Security settings - Access codes - Change lock code).
- 2 Enter the lock code at **Enter lock code:** and press **OK**.
- 3 Enter the new lock code and press **OK**.
- 4 Verify the new lock code, and press **OK**.

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

● Phone lock

When you turn on phone lock, your phone locks after you switch it off and then back on. Then, each time you turn your phone on, it prompts you for a lock code when you press either **Names** or **Menu**. The default code is 1234.

When the phone lock is on, you can not access most of your phone's memory and menu features or make phone calls without entering the lock code.

Turning on phone lock

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

When your phone is locked, calls may be possible to the emergency number programmed into your phone (e.g. 911 or other official emergency number) including calls with Emergency key 9 (page 55).

You can also store a number in the Unlocked phone number location, which allows you to call this number even though your phone is locked.

Storing the unlocked phone number



- 1 Press **Menu** 4 3 2 2 (Settings - Security settings - Access codes - Unlocked phone number).
- 2 Enter the lock code and press **OK**.
- 3 Enter phone number at Number : (or press Search and scroll through the phone book)
- 4 Press **OK**.

Calling the unlocked phone number

Note: Your phone must be locked to use this feature.

- Press  or  once, then . Or, you can manually enter the phone number as it is stored and press .

Answering a call with phone lock on

Press any key except  and .

Turning off phone lock

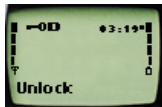
- 1 Press **Menu** 4 3 2 1 (Settings - Security settings - Access codes - Phone lock).
- 2 Enter the lock code and press **OK**.
- 3 Scroll to **Off** and press **OK** again.


With phone lock off, you can use your phone without entering the lock code each time you turn your phone on.

● Keypad lock (Keyguard)

This feature helps to prevent accidental key presses (when your phone is in a pocket or purse, for example) by locking your keypad.

Activating Keyguard with the slide





When **Slide** setting is activated and you close the slide, your phone displays **Lock** keys over the left selection key. Press the  to activate Keyguard.

If you don't wish to activate Keyguard at this time, press **Quit** or simply wait about five seconds, and the message **Lock** keys disappears.


Keyguard deactivates each time you open the slide.

Activating Keyguard without the slide

There are three different ways to activate Keyguard with the slide open:

- Press and hold .
- Press **Menu** .
- Press **Menu 9** at the Start Screen.

To activate Keyguard with the slide closed:


- 1 Press **Menu**.
- 2 Scroll to Menu 9 (Keyguard).
- 3 Press **Select** or press and hold .

Deactivating Keyguard, with or without the slide


- 1 Press **Unlock**.
- 2 Press **OK**.

Or,

- Press and hold  until **Unlock keys?** appears and press **OK**.

Note: When Keyguard is ON, calls to the emergency number programmed into your phone may be possible (for example, pressing 911 then ). However, Emergency key 9 doesn't work.

Answering a call with Keyguard active

During an incoming call the keypad automatically unlocks. If the slide is activated, you can answer a call by opening the slide. Otherwise, press only . After you end the call, Keyguard automatically becomes active again.

Some notes about Keyguard

- Calls may be possible to the emergency number programmed into your phone (e.g. 911 or other official emergency number). The number is displayed only after you have keyed in its last digit.
- Pressing the **1** key quickly turns lights on for 15 seconds.

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

● Restricting calls

This feature allows you to restrict incoming and outgoing calls. Outgoing calls are restricted from a list of restrictions that you create yourself.

If you have not yet defined restrictions in your phone, there is only one option:

- **Add restriction** allows you to create your own list of outgoing call restrictions. The maximum number of call restriction groups you can define is 10.

Once you have entered **Add restriction** and have added at least one restriction, the following options are added:

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

Note: When calls are restricted, calls may 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.

Restricting outgoing calls

- 1 Press **Menu** 4 3 1 (Settings - Security settings - Restrict calls).
- 2 Scroll to Restrict outgoing calls and press **Select**.
- 3 Enter your security code and press **OK**.
- 4 Scroll to Add restriction to create an outgoing call restriction and press **OK**.
- 5 Enter the number you wish to restrict and press **OK**. For example:

If you wish to restrict all calls that begin with 1, enter 1 (this restricts all long distance calls).

If you wish to restrict all calls that begin with 1972, enter 1972.

If you wish to restrict all calls that begin with 214, enter 214.

If you wish to enter a name for the call restriction, enter the name using your phone's keypad, then press **OK**.



Restricting incoming calls

- 1 Press **Menu** 4 3 1 (Settings - Security settings - Restrict calls).
- 2 Scroll to Restrict incoming calls and press **Select**.
- 3 Enter your security code and press **OK**.
- 4 Scroll to All calls and press **Mark** (or press **Unmark** if you wish to remove the restriction).
- 5 Press **Back**.
- 6 At Save changes? press **Yes** or **No**.

13. Network settings

● Network feature setting

Call forwarding (page 37), Call waiting (see page 36), Send own number (page 41), and Voice privacy (page 15) are network 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 feature code to activate each service. Deactivation codes are used to deactivate each service.

Once you store the appropriate code in your phone, the service appears as a menu item. You can then use the menu to activate and deactivate these services.

Each time you use a feature that requires a feature code, that code is sent to the network to verify you're using the correct feature code.

Note: If your phone has more than one phone number assigned to it, any feature codes stored apply only to your primary phone number, or NAM 1.

See "NAM selection" on page 42 for details on NAM.

Storing codes

- 1 Press **Menu** 4 4 5 (Settings - Network services - Network feature setting).
- 2 At Feature code :, enter the feature code or deactivation code received from your dealer (e.g. *74, *740, etc.).
- 3 Press **OK**.
- 4 Scroll to the service that the code applies to and press **Select**.
- 5 Scroll to suboption, then **Select** (Repeat step as required, based on number of suboptions).

(Use step five only for call forwarding options)


6 Scroll to **Activate** or **Cancel**, then press **OK**.

System

Your phone is capable of working in residential, private, and public systems (such as your home system). You can choose how your phone selects a network to use.

This feature is **Menu 5** in your phone. The default system is **Automatic**. This means your phone automatically searches for available networks and chooses the appropriate one. Every time you switch on your phone, it resets to **Automatic**.

If you choose **Manual**, your phone searches for networks, then displays them for you. Your phone displays **Available:** or **Not available:** for the systems it finds (You can not use **Not available:** systems).

Use the  key to scroll through the choices, and press **OK** when you see the one you want.

If you choose **New Search**, your phone begins a new search for private and residential systems. When it finds the best system, your phone displays it. You can then select the system, or start another search by pressing **Next**.

Note: If you have two phone numbers (two NAMs), the **Manual** and **New search** features are only used with your primary phone number (NAM 1). See "NAM selection" on page 42 for more information about NAMs.

To switch from private to public

- 1 If you are in a private system and want access to a public system, press and hold **Menu** when you are not in a call. Your phone displays **Search public systems?**
- 2 Press **OK** and your phone uses the public system for the next (only once) outgoing call.

After that it returns to **Automatic** system selection.

Public system selection

When your phone leaves its home system, it is roaming. Like other public systems, your home system is either type A or B. When your phone is roaming, it can search for home-type systems (same type as your home system) or non-home-type systems (opposite type as your home system).

Also, your service provider has programmed a list of preferred systems into your phone. These are systems with which your service provider has roaming agreements.

Use **Menu 4 4 7** to tell your phone how to choose a public system (network). Your selection remains active until you change it.

- **Any system** When service is not available in your home system, the phone searches for a preferred system of either type, then a home-type system, then a non-home-type system.
- **Home type** When service is not available in your home system, the phone searches for a home-type system, preferred first.
- **Nonhome type** The phone searches for a non-home-type system only, preferred first (home system is not used).
- **Home only** The phone uses its home system only (that is, it will not roam).

Roaming

This 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.

When roaming in some systems outside your home area, your phone may not be recognized by the host system (the one you're travelling in) and you may not be able to place a call.

Contact your service provider for more specific information on how roaming works with your phone, as well as any information on coverage limitations.

Roaming Indicators

When your phone begins roaming, it beeps once and may display `ROAM`, depending on how roaming works with your phone. Contact your service provider for more details. If your phone is not roaming (i.e. in its home area) it either displays `HOME` or the name of the service provider.

14. Text messages

Before you can receive text messages and pages, you must subscribe to the text messaging network service.

Some or all of these features may not be available in some wireless systems. Please see your service provider for details and availability.

Note: Text messages that you receive with your phone may appear different at times, due to messages that originate in networks other than your own.

Also, the maximum length of a text message may depend on the network's capabilities.

Text message options

- **Inbox** is where incoming messages are received and stored. All new, unread messages are kept here.
- **Saved** is where all saved, read messages are kept.
- **Erase all** allows you to erase all text messages. However, unread text messages are not erased.

When you receive a text message

Your phone sounds a message alert tone, and the text message icon (see "Icons & indicators" on page 9) appears.

The maximum length of a received text message is up to 225 characters. Your phone has space for up to 30 text messages, depending on the length of each message.

Text messages are shown in the order they were received, in their order of priority.

- **Message received** indicates an unread message or page. If more than one message is received, the number of received messages is listed first.



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

Reading text messages

- 1 With **Message received** displayed, press **Read**.
- 2 Scroll to the new message and press **Read** again.

Reading options

Press **Options** while a text message is displayed to access the following reading options:

- **Read next** allows you to read the next message.
- **Erase** erases the message.
- **Save** saves the message to the **Saved** folder.
- **Call back** automatically calls whoever sent the message if any phone numbers are included within the message.

Calling someone back in a message

Press **TALK** while the message is displayed to dial the number quickly.

Or, with the message and the phone number displayed on your phone's screen:

- 1 Press **Options**.
- 2 Scroll to and select **Call back**.
- 3 Press **OK**.

Note: If more than one number is on the screen, the numbers are displayed in a list. Simply select the phone number you want to call and press **TALK**. If no numbers are found, your phone displays **No numbers found** on this screen.

Receiving a page

Your phone displays **Message received**. The message displays **Call :**, followed by the name or number of the person who paged you. Only the names of people whom you've stored in your phone book appear.

When your phone's memory is full

One or more messages, of lowest priority, are automatically deleted in order to receive new text messages when your phone's memory is full.

If the message memory is still full, your phone displays **No space : message waiting**. You can clear this notification by pressing **OK**.

Note: Messages are usually deleted from your **Inbox**. An incoming emergency message may delete messages from your **Saved** folder.

15. Your personal assistant

Your phone can wake you up in the morning, remind you of meetings, birthdays, and tasks, display the current time, calculate your tip at dinner, and convert currencies. Your phone has a calendar, clock, alarm clock, and phone book—everything you need in a personal digital assistant.

● Calendar

The calendar keeps track of birthdays, meetings, simple reminders, and calls you need to make. It can even sound an alarm when it's time for you to make a call or go to a meeting.



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



Note: Your phone must remain on to use the calendar's alarm feature. If your phone is off, the alarm does not sound at its scheduled time.



Using the calendar


- 1 Press **Menu** 8 (Calendar).
- 2 If you haven't set the time and date, your phone prompts you to set your phone's clock.
- 3 When your phone prompts you for the time with hh:mm, enter the time in hours and minutes (using two-digit fields).
- 4 Press **OK**.

Time format (24-hour or am/pm) is set using the Clock. See "Selecting time format" on page 53.

When your phone prompts you for the date with `mm/dd/yyyy`, enter the month and day (using two-digit fields) and year (using a four-digit field), then press **OK**.


Tip: Use  to move the cursor right and  to move it left. When you enter a digit, it writes over the number to the right of the cursor.

Your phone displays the current day. You can also scroll to different days by pressing  or .

Once you're at the date you want, press **Options**. Then use  to highlight the option you want, and press **Select**. The options are:

View day

With this option, you can view the notes of the day currently on display.

Use  to scroll through the notes. Each note allows you to choose the following Options:

- **Erase** clears the note from your calendar.
- **Edit** gives you the same prompts you got when you made the note.
- **Move** gives you the date prompt so you can move the note to another date.

Make note

With this option, you'll need to choose **Reminder**, **Call**, **Meeting**, or **Birthday**. Your phone prompts you for more information depending on which one you choose. You can also set an alarm for any calendar note.

See "Entering letters & numbers" on page 21 for help with entering information at the **Subject :** prompt.



Note: When the alarm goes off, you can press **Postpone** or **OK**. Press **OK** to shut off the alarm.

Erase notes

With this option, you'll need to choose which notes to erase. If you choose all the notes for the day currently on display (Of Chosen Day), or One By One (for all notes in the calendar), your phone presents each note to you with the option **Erase** or **Back**.

If you choose All at Once, your phone deletes all calendar notes. When prompted to confirm the erase, press **Yes** or **No**.

View all

This allows you to view the notes of the entire calendar. Use  or  to scroll through the notes. Calendar memory empty appears if there are no notes in the calendar.

Go to date

Enter the date you wish to go to.

Set the date

Enter the day and month (using two-digit fields) and year (using a four-digit field), then press **OK**.

● Alarm clock

The alarm clock operates off your phone's clock. The volume for the alarm clock is determined by the current ringing volume.

Note: If you have selected the Silent or Beep once ringing option (see page 47), your alarm clock quietly beeps once. See "Setting the clock" on page 52 for information on your phone's clock.



Setting the alarm clock

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

- 2 Enter the time for which you want to set the alarm (use two-digit fields for hours and minutes). Existing digits are replaced with the new alarm time.
- 3 Press **OK**.
- 4 Select either **am** or **pm** and press **OK**.

Note: Step 4 appears only if you have selected **am/pm** format; see "Selecting time format" on page 53 for more information.

When the alarm goes off

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

Snoozing

Press **Snooze**.

The alarm will go off again in 10 minutes. If you let the phone alarm for 1 minute without pressing a key, it stops alarming for 10 minutes, then starts again.

Turning the alarm clock off

- 1 Press **Menu** 4 2 2 (Settings - Phone settings - Alarm clock).
- 2 Scroll to **Off**.
- 3 Press **OK**.

Note: If you have selected the **Silent** or **Meeting** profile, your alarm beeps only once. The best profile to use while using the alarm clock is **Normal** or **Outdoor**, unless these have been modified from their original settings.

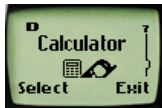
For more information on Profiles, see page 46.

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

● Calculator

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

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



Using the calculator

- 1 Press **Menu 7** (Calculator).
- 2 Enter the first number in the calculation (press # for decimals).
- 3 To add, press * (+ appears)
To subtract, press ** twice (- appears)
To multiply, press *** (* appears)
To divide, press **** (/ appears)
To add a decimal point, press the # key
- 4 Enter the second number.

Repeat these steps as many times as needed. Press **Clear** to erase any mistakes.

- 5 Press **Options**. With **Equals** highlighted, press **OK**.

Note: You can also choose Add, Subtract, Multiply, and Divide from the list of options.

Using the calculator for currency conversion

Setting the exchange rate

- 1 Press **Menu 7**.
- 2 Press **Options**.
- 3 Scroll to **Exchange rate** and press **OK**.

- 4 Press \downarrow or \uparrow at either How many home units to a visited unit or How many visited units to a home unit, depending on how you wish to convert the currency. Press **OK**.
- 5 Enter the appropriate exchange rate and press **OK** (use the # key for decimals).

Phone displays Rate saved .

Calculating exchange rates

- 1 Press **Menu** 7.
- 2 Enter number of units.
- 3 Press **Options**.
- 4 Press \downarrow or \uparrow to reach To home or To visited.
- 5 Press **OK**.

The converted currency displays.

16. Games

You have four exciting games to choose from in your phone. Press **Menu** 6 to choose one of the following games:



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

Memory

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

Snake

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

Logic

Find a secret combination of figures. Available figures are shown at the top of the screen before you accept the first guess row. Use the 2, 4 and 8 keys to move the cursor and the 5 key to select the figure. To copy a figure from a previously accepted guess row, start scrolling with the 4 key, move the cursor to the desired figure in the normal way and accept the selection with the 5 key.

Once you think you have the right combination, press the * key. The result is presented as a set of marks over the row. A correct figure in the right place gives a full mark; a correct figure in the wrong place gives a half mark. The game ends when all the figures are correct and in the right place.

Rotation

Put the numbers in ascending order as quickly as you can. Use the 2, 4, 6, and 8 keys to move the box up, left, right, and down. Within the box, use the 1 key to rotate the numbers counter-clockwise, and use the 3 or 5 key to rotate the numbers clockwise. The more quickly you put the numbers in order, the higher your score. The higher the level at which you play, the more time you have to complete a game.

Game options

When you select a game, you can choose from the following options:

- `Level` allows you to choose the level of difficulty.
- `New game` starts a new game.
- `Top score` displays the top score (*does not appear in Logic*).
- `Instructions` describe how the game is played.

17. Reference information

● Important Safety Information

Traffic Safety

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

Always secure the phone in its holder; do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop.

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

Remember, road safety always comes first!

Operating Environment

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

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

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

Electronic Devices

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

Pacemakers

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

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

Hearing Aids

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

Other Medical Devices

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

Vehicles

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

Posted Facilities

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

Potentially Explosive Atmospheres

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

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

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Vehicles

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

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

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

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

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

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

● Emergency Calls





IMPORTANT!

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

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

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

Making an Emergency Call

- 1 If the phone is not on, switch it on.
- 2 Press the  key to ready the phone for calls. (Press it twice if there are still digits on the display.)
- 3 Key in the emergency number for your present location (e.g. 911 or other official emergency number). Emergency numbers vary by location
- 4 Press 

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

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

● Important battery information

- Note that a new battery's full performance is achieved only after two or three complete charge and discharge cycles!
- The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer.
- When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its life. If left unused a fully charged battery will discharge itself over time.

- (NiMH batteries only) 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.
- Temperature extremes will affect the ability of your battery to charge: allow it to cool down or warm up first.
- Use the battery only for its intended purpose.
- Never use any charger or battery which is damaged or worn out.
- Do not short circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip, or pen) causes direct connection of the + and - terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in your pocket or purse. Short circuiting the terminals may damage the battery or the connecting object.
- Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 59° F and 77° F (15° C and 25° C). A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. NiMH batteries' performance is particularly limited in temperatures below 14° F (-10° C). Li-Ion batteries' performance is particularly limited in temperatures below 32° F (0° C).
- Do not dispose of batteries in a fire!
- Dispose of used batteries in accordance with any local regulations.

● Radio Frequency (RF) Signals

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

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

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

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

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

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

● Care & Maintenance

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

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

● Accessories

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



A few practical rules for accessory operation:

- Keep all accessories out of reach of small children.
- When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.
- Check regularly that any vehicle-installed accessories are mounted and are operating properly.
- Installation of any complex car accessories must be made by qualified personnel only.

WARNING!

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

Batteries

The following tables show battery options that are available for your phone, charging times with the Rapid Travel Charger (ACP-8U) and the Standard Travel Charger (ACP-7U), talk times, and standby times. Consult your service provider for more information. These charging times are approximate.

CONTAINS: Nickel metal hydride or lithium ion battery. Dispose of used batteries in accordance with any local regulations.

Charging times

Battery Option	ACP-7U Charger	ACP-8U Charger
BMP-1A NiMH Battery 600 mAh	2 hrs 40 min	65 min

Note: The times displayed above will allow your battery to obtain approximately 80% of its capacity. If you wish to obtain 100% battery capacity, please allow another two hours to "trickle" or "maintenance" charge.

Standby & talk times

Battery Option	Digital Talk Time	Analog Talk Time	Standby Time
BMP-1A NiMH Battery 600 mAh	1 hr 25 min to 2 hrs 40 min	35 min to 1 hr 30 min	60 to 160 hrs (dig) 20 to 25 hrs (ana)

Note: The times shown are approximate. Battery operation times vary according to signal conditions, network parameters set by the service provider, and how you use your phone.

Chargers & other accessories

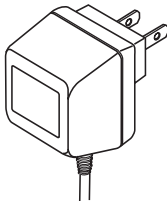
The following chargers and other accessories are available for your phone; please see your dealer for details. Also, refer to the accessories brochure that was included in your sales package for the entire line of Nokia Original Accessories.

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

Standard Travel Charger (ACP-7U)

This lightweight (187g) and durable AC charger can be used with all battery options.

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



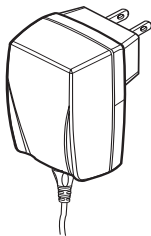
Rapid Travel Charger (ACP-8U)

This lightweight (100g) AC charger can be used with all battery options. Calls can be made during charging, even with a fully discharged battery.

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

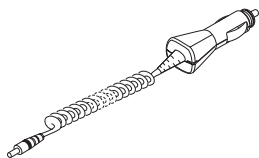
The charger can also be used together with the optional Desktop Charging Stand (CGE-1).

Approximate charging times for discharged batteries are shown at the beginning of this section.



Rapid Cigarette Lighter Charger (LCH-9)

You can charge your phone's battery from your vehicle battery by using the Rapid Cigarette Lighter Charger (LCH-9). You can also use this lightweight charger with the Desktop Charging Stand (CGE-1).

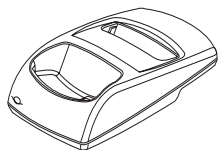


Calls are possible during charging. A green light indicates the charger is ready for charging (when not charging) or finished charging (if it has been charging). The battery charging times are the same as those for the Rapid Travel Charger (ACP-8U).

The input voltage range is from 11 to 32V DC, negative grounding. Avoid prolonged charging with the Rapid Cigarette Lighter Charger (LCH-9) when the car engine is not running; this 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.

Desktop Charging Stand (CGE-1)

Used together with the Standard Travel Charger (ACP-7U) or the Rapid Travel Charger (ACP-8U), the Desktop Charging Stand (CGE-1) is an economical choice when you need your phone close at hand, always ready for calls.



This charging stand allows you to charge your phone's battery in the front charging slot, plus a spare battery in the rear charging slot.

When charging both batteries simultaneously, charging begins in the front charging slot and then moves to the rear slot once the front battery is 100% charged.

Please refer to the chart below for charging times in the rear charging slot.

CGE-1 Rear Slot Charging Times				
Battery Option	Using ACP-7U		Using ACP-8U	
	When front slot empty	When front slot occupied	When front slot empty	When front slot occupied
BMP-1A NiMH Battery 600 mAh	6 hrs 30 min	8 hrs 30 min	4 hrs 10 min	5 hrs 25 min

Note: Please note that if you are charging a battery in the rear charging slot while another battery occupies the front slot, please allow an additional two hours for a "maintenance" charge for the battery in the front slot. Please see page 89 for charging times for the front charging slot.

If you're charging a battery in the front charging slot, charging is indicated by the scrolling battery bars on the right side of your phone's display. When the scrolling stops, the battery is approximately 80% charged. A battery will be fully charged a couple of hours after the scrolling stops.

Also, you may notice a light indicator on the stand, which is used for charging a spare battery. A green light indicates a battery is at least 80% full; the red light indicates a battery is charging.

• Troubleshooting

Problem	Possible cause	Possible solution
My phone isn't charging.	The charger and phone are not properly connected.	Ensure that the charger is properly connected to the phone.
	The charger is not properly plugged in.	Ensure that the charger is plugged into a standard wall outlet.
My phone isn't making/answering calls.	The battery is not charged.	Charge the battery.
	There is poor signal strength.	If you are indoors, move toward a window.
I can't listen to my voice messages.	You don't have voice mail service.	Call your wireless service provider.
	You have not set up your voice mailbox with your service provider.	Call your wireless service provider.
	You have not saved your voice mail number in your phone.	See page 29.
	The voice mail number you have saved is incorrect.	Call your wireless service provider.
	You have forgotten your password or are entering it incorrectly.	Call your wireless service provider.

18. Frequently Asked Questions (FAQ)

Q. How do I lock my phone?

A. Press **Menu** 4 3 2 1, press **Select**, enter your lock code, then scroll to **On** and press **OK**.

Q. How do I unlock my phone?

A. Press **Menu** 4 3 2 1, press **Select**, enter your lock code, then scroll to **Off** and press **OK**.



Q. What is my lock code?

A. The default lock code is 1234. You use the lock code to lock and unlock your phone, or to change your lock code from the default.


Q. What is my security code?

A. The default security code is 12345. Certain features can be used only after the correct security code has been successfully entered.

Q. How do I lock the keypad?

A. There are three ways you can lock the keypad: close the sliding cover (if the slide setting is activated) and press **Lock keys**, press and hold , or press **Menu** .

Q. How do I unlock the keypad?

A. There are three ways you can unlock the keypad: open the sliding cover (if the slide setting is activated), press and hold  and then follow the prompts on the screen, or press **Unlock** then press **OK**.

Q. How do I make the ringing louder?

A. Press **Menu** 3 1 2 2, press **Select**, then choose a volume level.

Q. How do I change the ringing tone?

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

Highlight **Customize** and press **OK**.

Scroll to **Ringing tones**, then press **Select**.

Scroll through the options. After you hear the tone you wish to use, press **OK**.

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

A. Turn your phone off, then remove the battery from the back of the phone. On the sticker beneath the battery, your phone's model number is printed after the word **Model**:

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

A. Turn your phone off, then remove the battery from the back of the phone. On the sticker beneath the battery, your phone's ESN is printed after the letters **ESN**:

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

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

Q. How do I clear my call timers?


A. CAREFUL: Clearing of call timers cannot be undone. Press **Menu** 2 5 5 and enter your security code at Security code:, then press **OK**.

19. Glossary

antenna sends or receives radio signals.

battery the power source for the phone.

earpiece volume the volume level at which you set the earpiece.

 **key** a key on the front of the phone that allows you to end or reject calls.

ESN electronic serial number.

home system the system in which your phone works without roaming.

icons small pictures that stand for something.


keypad tones the sounds the number keys on your phone make when you press them.

message alert tone the sound your phone makes when it receives a text message.

microphone the place on your phone into which you speak.

non-home system any system other than your home system.

number keys the keys on the front of your phone numbered 1 through 0.

 **key** a key on the top of your phone that allows you to turn the phone on or off.

ringing option the type of ring you can select for your phone when you receive an incoming call. For example, you can select a brief, short ring, an ascending ring, or a beep.

ringing tone the type of sound you can select for your phone when you receive an incoming call.

ringing volume the volume level at which you set your phone to ring.

roaming happens when you use your phone outside of your home system.

screen window on the front of your phone that enables you to see text and icons.


scroll to move through a list of names, menu items, etc. by pressing up or down on the arrow keys.

selection keys two keys on the front of your phone, beneath the screen, that enable you to make menu selections.

slide the sliding keypad cover on the front of your phone.

SMS short message service.

system wireless network.

 **key** a key on the front of the phone that allows you to make or accept calls.

text message a message sent to your phone that you can read, rather than a voice message that you listen to.

voice mail voice messages.

voice mailbox where your voice messages are "kept". To listen to your voice mail, you must first enter your voice mailbox number.

volume see earpiece volume or ringing volume.

volume buttons two buttons located on the side of the phone that allow you to control the earpiece volume.

warning & game tones sounds the phone makes to alert you to such things as the battery going low, and sounds made when you play the games in the phone.

20. Technical information

Weight	118g (4.1 oz) with BMP-1A 600 mAh NiMH Battery
Size	76 cc
Wireless Networks	TDMA 800 TDMA 1900 AMPS
Frequency Range	Lowband 824.04 - 848.97 MHz (TX) 869.04 - 893.97 MHz (RX) Highband 1850.04 - 1909.92 MHz (TX) 1930.08 - 1989.96 MHz (RX)
Transmitter Output Power	Up to 600mW
Battery Voltage	3.6 V nominal
Operating Temperature	-4°F to + 104°F (-20°C to + 40°C)
Number of Channels	832 lowband 1997 highband
Number of NAMs	3
Memory Locations	250
Memory Capacity	Alpha: 26 digits per location Numeric: 32 digits per location

USA

NOKIA MOBILE PHONES – 6200 Courtney Campbell Causeway, Suite 900,
Tampa, FL 33607

Tel: 1-888-NOKIA2U (1-888-665-4228)

TTY Users: 1-800-24NOKIA (1-800-246-6542)

CANADA

NOKIA PRODUCTS LTD. – 575 Westney Rd. South,
Ajax, Ontario L1S 4N7. Tel: (905) 427-6654

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FCC/Industry Canada Notice

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

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

21. NOKIA One-Year Limited Warranty

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

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

5. Upon request from NMP, the Consumer must prove the date of the original purchase of the Product by a dated bill of sale or dated itemized receipt.

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

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

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

b) The Product has been damaged from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake or damage from exposure to weather conditions, an Act of God, or battery leakage, theft, blown fuse, or improper use of any electrical source, or damage caused by the connection to other products not recommended for interconnection by NMP.

c) NMP was not advised by the Consumer in writing of the alleged defect or malfunction of the Product within fourteen (14) days after the expiration of the applicable limited warranty period.

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

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

8. If a problem develops during the limited warranty period, the Consumer shall take the following step-by-step procedure:

a) The Consumer shall return the Product to the place of purchase for repair or replacement processing.

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

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

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

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

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

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

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

10. ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING LIMITED WRITTEN WARRANTY. OTHERWISE, THE FOREGOING LIMITED WARRANTY IS THE CONSUMER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NMP SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF ANTICIPATED BENEFITS OR PROFITS, LOSS OF SAVINGS OR REVENUE, PUNITIVE DAMAGES, LOSS OF USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT OR FACILITIES, DOWNTIME, THE CLAIMS OF ANY THIRD PARTIES, INCLUDING CUSTOMERS, AND INJURY TO PROPERTY, RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM BREACH OF THE WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL OR EQUITABLE THEORY, EVEN IF NMP KNEW OF THE LIKELIHOOD OF SUCH DAMAGES. NMP SHALL NOT BE LIABLE FOR DELAY IN RENDERING SERVICE UNDER THE LIMITED WARRANTY, OR LOSS OF USE DURING THE PERIOD THAT THE PRODUCT IS BEING REPAIRED.

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

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

13. This is the entire warranty between NMP and the Consumer, and supersedes all prior and contemporaneous agreements or understandings, oral or written, and all communications relating to the Product, and no representation, promise or condition not contained herein shall modify these terms.

14. This limited warranty allocates the risk of failure of the Product between the Consumer and NMP. The allocation is recognized by the Consumer and is reflected in the purchase price of the Product.

15. Any action or lawsuit for breach of warranty must be commenced within eighteen (18) months following delivery of the Product.

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

Nokia Customer Service

6200 Courtney Campbell Causeway, Ste. 900

Tampa, FL 33607

Telephone: 1-888-NOKIA2U (1-888-665-4228)

or (813) 288-3800

Facsimile: (813) 287-6612

TTY Users: 1-800-24NOKIA (1-800-246-6542)

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

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Para obtener un manual del usuario en español favor de llamar o enviar un fax al teléfono 1-888-NOKIA2U, fax 813-287-6612.
