8860 User Guide Draft
pre-release version 0.01

Indicators and Icons

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).

1. Safety At A Glance

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

For more detailed safety information, "Important Safety Information" on page 91.

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.

FCC/Industry Canada Notice

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

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

Using this Guide

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

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

Disclaimer

It's possible that you may not be able to activate your phone on all wireless systems. Please see your service provider for details.

2. Getting Connected

You're battery should be charged before you activate your new phone. This section will help familiarize you on how, and when, to charge your battery.

Attaching your battery

Simply place the battery in the grooves on the back of your phone. Then slide the battery upward until it clicks.
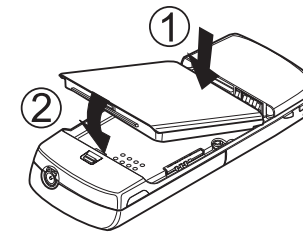
Note: Use only those batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer.

See "Important Battery Information" on page 8.

Removing the battery

Note: Switch off the phone before removing the battery!
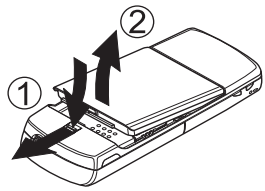
 Press and hold the button at the top of the battery.

 Slide the battery toward the bottom of the phone.

 Lift the battery off the phone.

Charging your new battery

Your phone can be used with either a rechargeable Li-Ion or NiMH battery. Note that a new battery's full performance is achieved only after two or three complete charge and discharge cycles.

With your phone on or off, connect the charger to a standard 120V AC outlet. Then connect the lead from the charger to the bottom of your phone or place it on a charging stand.

When the battery begins charging, your phone will beep once and the battery strength indicator on the right side of the display will scroll.

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

If your phone displays **Not charging**, charging is suspended. Check that the battery is not connected to a non-approved charging device. If the battery is very hot or cold, wait for a while; charging will automatically resume after the battery is restored to its normal operating state. If charging still fails, contact your dealer.
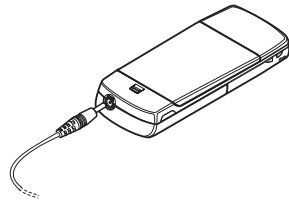
When is a good time to charge?

You can charge your battery anytime. If you have a NiMH battery, you should allow it to completely discharge once in a while.

When your phone beeps once and displays **Battery low**, you only have a couple of minutes of talk time remaining. The repetition rate of these battery-low warnings depend on the remaining battery capacity and the battery condition. These warnings are more frequent when you're in a call.

Note: The phone will not give you the warning tone under certain conditions. See "Warning tones" on page 81.

Once all the power has drained from your battery, you'll hear three beeps with the message **Recharge battery** on your display. At this point, your phone will switch itself off and you'll need to recharge your battery.

When is charging complete?

When the charge indicators stop scrolling, your phone is considered fully charged. However, a slight increase in charge may occur if your phone is left connected to the charger for a while. This is called "trickle charge."

Charging times depend on the type of battery and charger used.

For approximate charging and operating times, see "Standby and Talk Times" on page 85.

Can you make calls while charging?

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

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 will display 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.

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 59º F and 77º F (15º C and 25º 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 14º F (-10º C). Li-ion batteries' performance is particularly limited in temperatures below 32º F (0º C).

- Do not dispose of batteries in a fire!

- Batteries must be recycled or disposed of properly. Must not be disposed of in municipal waste.

3. The Basics

You have purchased a powerful phone, with lots of features. Read this section for some very basic information on how to use your phone.

A more comprehensive description of your phone is covered in "Features A to Z" starting on page 21.

Switching the phone on and off

Press and hold the P key for two seconds to switch the phone on or off.

Switching off with the P key

Quickly press the P key (**Switch off!** will appear, highlighted) then press **OK**.

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

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

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

See "Safety At A Glance" on page 2 for more information.
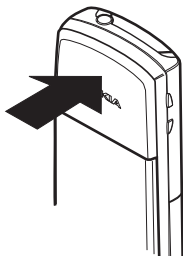
Get a good signal

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

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

Checking signal strength

When you are at the start screen *(see page 16)* or in a call, the signal strength is indicated by the indicators on the left side of your phone's display. These indicators scroll as the strength of the signal increases and decreases.

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

Using the slide

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

Activating and deactivating the slide setting

Press **Menu** 4 2 6 (**Settings** - **Phone settings** - **Slide setting**)

Scroll to **On** to activate the slide, or **Off** to deactivate the slide and press **OK**

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.

Making a call

When you want to make a call, open the slide, enter the area code and phone number and press B

Editing a number on display

Press ▲ to move the cursor to the left and ▼ to move it to the right. Press **Clear** to delete the character to the left of the cursor.

Dialing stored phone numbers

View stored names and numbers by pressing ▼ or ▲ from the start screen (*see page 16)*, then press B

See "Phone book" on page 57 for details on storing numbers.

Calling card calls

See "Calling card" on page 29.

Emergency calls

See "Emergency calls" on page 40.

Ending a call

If **Slide setting** is active, simply close the keypad cover. Otherwise, press E

See "Using the slide" on page 11.

Answering a call

The phone rings according to the settings in the currently selected profile *(see page 61)*.
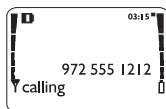
If **Slide setting** is active, simply open the slide to answer the call. Otherwise, press any key except E or P

Note: If Keyguard is on (see page 13), only B answers calls. See "Using the slide" on page 11.

Want to stop your phone from ringing without answering the call ?

Press P quickly when the phone rings. This keeps you from answering a call if it's inconvenient to talk.

You can still answer the call if **Call** or the name of the person who is calling is still flashing on your display.

If you don't wish to answer the call, it will be forwarded to your voice mailbox if you have a voice mail subscription.

Keyguard

This feature helps to prevent accidental key presses (e.g. when your phone is in your pocket, in your purse) by locking your keypad.

If any keys are pressed while Keyguard is activated, **Press Unlock and then *** will display.
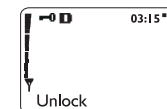
Using Keyguard with the slide

When **Slide setting** is activated, your phone will display **Lock keys** in the lower left part of the display. Press the key underneath **Lock keys** and your Keyguard will be activated.

If you don't wish to activate Keyguard at this time, press **Quit** or simply wait about five seconds and it will disappear.

Keyguard will deactivate each time you open the slide.

Activating Keyguard without the slide

There are three different ways to activate Keyguard. **Keys locked** will appear on the display when activated.

• Press and hold E

• Press **Menu** ∗

• Press **Menu** 9 at the start screen

Deactivating Keyguard

- Press **Unlock,** then *****

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

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

Answering a call with Keyguard active

During an incoming call the keypad automatically unlocks. However, you can answer a call only by opening the keypad cover if it's active; otherwise, press only B. 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 P key quickly turns lights on for 15 seconds.

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

4. Using Your Phone

The first few days you have your phone, play with it to learn how the menu and submenu system works.
The more you learn how to access these menus and submenus, the more fun you'll have with your phone.

This section describes the different methods of using your phone menus and submenus.

The Display

Soft keys

Your phone has two softkeys located below the display. The current function is indicated by the texts appearing directly above them. Press the corresponding key under the choice you wish to select.
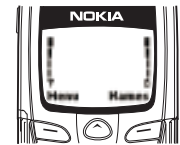
This illustration shows the phone at the start screen *(see "What is the 'start screen'?" on page 16)*. The start screen always displays **Menu** on the left and **Names** on the right. **Menu** allows you to access your phone's menus and submenus. **Names** allows you to access your phone book *(see "Phone book" on page 57)*.

Scroll keys

Your phone has a scroll key located just below the display screen. The scroll key has two arrows on it that look like ▲ and ▼. Press these to navigate through your phone's menus and submenus, as well as through your phone book. *(See "Phone book" on page 57)*.

Scroll bar

When you access your phone's menu and submenus, you will notice a scroll bar at the far right of the screen. This bar indicates your location in the menu structure; 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 the ▼ or ▲ key to move up and down through the menu structure. The scroll bar works the same way with submenus.

Menu & submenu numbering

When you scroll to a menu or submenu, the menu number and/or submenu number appears on the display above the scroll bar.

For example, when you scroll to menu 2 (**Call log**) the number **2** appears in the top right-hand corner of the display. If you scroll to menu 4 (**Settings**), submenu 3 (**Security settings**), your phone will display **4-3** in the top right-hand corner.

See "Summary of Menu Items" on page 17 for a list of your phone's features along with their menu locations.

Also, see "Using shortcuts" on page 17.

What is the 'start screen'?

The start screen appears when you first turn your phone on, in its idle state.

When you want to get to the start screen, press E at any time except during a call (unless you want to hang up).

Note: If you press E when the phone is requesting input (i.e., a setting, phone number, name, etc.), the phone displays the start screen and the input is not saved.

Scrolling through the main menu

Press **Menu** at the start screen. Then press ▼ or ▲ to reach the desired menu item.

Press **Select**, **Options** or **OK** (whichever appears) to enter submenus and to choose options.

Press **Exit** to exit the present menu or **Back** to go back one level.

Using shortcuts

This is a quick and easy way to access a menu without having to scroll through other menus.

Press **Menu**, then menu number, then submenu number.

Press the menu and submenu numbers within a couple of seconds of each other when using this method.

For a summary of your phone's menu structure, see "Summary of Menu Items" on page 17.

Help text

If you're not sure how a feature works, wait just a few seconds and help text will appear for most of your phone's features. Press **More** to see the next page of the text or **Back** to exit.

Summary of Menu Items

1 Messages

1 1 Text Messages

1 1 1 Inbox

1 1 2 Saved

1 1 3 Write new ∗

1 1 4 Outbox ∗

1 1 5 Erase all

∗ *Only where available. Please see "Text messages and pages" on page 71 for details.*

1 2 Voice messages

1 2 1 Listen to voice messages

1 2 2 Voice mailbox number

1 3 Welcome Note

2 Call log

2 1 Missed calls

2 2 Dialed calls

2 3 Received calls

2 4 Clear call lists

2 5 Call timers

3 Profiles

3 1 Normal *(following submenus appear in all profiles)*

3 1 1 Select

3 1 2 Customize

3 1 2 1 Ringing options

3 1 2 2 Ringing volume

3 1 2 3 Ringing tone

3 1 2 4 Vibrating alert *(w/vibrating battery only)*

3 1 2 5 Keypad tones

3 1 2 6 Warning and game tones

3 1 2 7 Message alert tone

3 1 2 8 Lights *(only in **Car** profile)*

3 1 2 9 Automatic answer *(only in **Car** and **Headset**)*

3 1 3 Rename *(not available in **Normal** profile)*

3 2 Silent

3 3 Meeting

3 4 Outdoor

3 5 Pager

3 6 Car *(once used with car kit)*

3 7 Headset *(once used with headset)*

4 Settings

4 1 Call settings

4 1 1 Emergency key 9

4 1 2 Automatic redial

4 1 3 Calling card

4 2 Phone settings

4 2 1 Clock

4 2 2 Alarm clock

4 2 3 Touch tones

4 2 4 Restore factory settings

4 2 5 Language

4 2 5 1 English

4 2 5 2 Français

4 2 5 3 Español

4 2 5 4 Português

4 2 5 5 Russian

4 2 5 6 Hebrew

5. Features A to Z

ABC mode

This allows you to enter names into your phone book.

See "Entering letters and numbers" on page 42.

Access codes

This is a security feature that allows you access to certain phone features, such as the phone lock *(page 59)* and unlocked phone number *(page 78)*.

Also, see "Lock code" on page 49 and "Security code" on page 68.

Alarm clock

The alarm clock operates off your phone's clock. The volume for the alarm clock is determined by the current ringing volume.
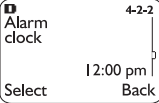
Note: If you have selected the **Silent** or **Beep once** ringing option (see page 64), your alarm clock will quietly beep one time.

See "Clock" on page 36 for information on your phone's clock.

Setting the alarm clock

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

Enter time you wish to set alarm (use two-digit fields for hours and minutes). Existing digits will be replaced with the new alarm time.

Press **OK**

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 37 for more information.

When the alarm goes off

Press **Stop** to shut 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

Press **Menu** 4 2 2 (**Settings** - **Phone settings** - **Alarm clock**), then scroll to **Off** and press **OK**.

Note: If you have selected the **Silent** or **Meeting** profile, your alarm will only beep 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 61.

All calls timer

This feature keeps track of how much time you have spent on all calls with your phone.

See "Call timers" on page 34.

Automatic answer

This is one of the settings in your phone's Profiles *(see page 61)*. 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

Press **Menu** 3 (**Profiles**)

Your phone lists each profile. Use ▼ to highlight either the **Car** or **Headset** profile and press **Options**.

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

Highlight **Customize** and press **OK**. Press ▼ to **Automatic answer**, then press **Select** again.

Press ▼ to **On** and press **OK**.

Note: This feature will not function with data calls.

Automatic redial

Your phone will redial the number you're trying to call up to 3 times after you hear a quick, busy signal. Press E to stop the call attempts.

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

Activating automatic redial

Press **Menu** 4 1 2 (**Settings** - **Call settings** - **Automatic redial**), then press ▼ or ▲ to **On** and press **OK**.

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.
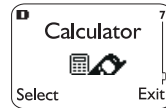
Using the calculator

Press **Menu** 7 (**Calculator**)

Enter the first number in the calculation (press # for decimals)

To add, press ∗ (+ appears)
To subtract, press ∗∗ twice (- appears)
To multiply, press ∗∗∗ (* appears)
To divide, press ∗∗∗∗ (/ appears)
To add a decimal, press the # key

Enter the second number

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

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

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

Storing exchange rates

Press **Menu** 7, then press **Options**

Scroll to **Exchange rate** and press **OK**

Press ▼ or ▲ 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** once you decide.

Enter the appropriate exchange rate and press **OK** (use the # key for decimals)

Phone will display **Rate saved**

Calculating exchange rates

Press **Menu** 7

Enter number of units, then press **Options**

Press ▼ or ▲ to either **To home** or **To visited**, and press **OK**

Converted currency will display

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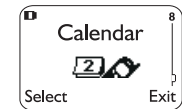
Remember! Your phone must be switched on to use this feature. Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

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

Using the calendar

Press **Menu** 8 (**Calendar**)

If you haven't set the time and date, your phone prompts you to set your phone's clock

When your phone prompts you for the time with **hh:mm**, enter the time in hours and minutes
(using two-digit fields), then press **OK**

Time format (24-hour or am/pm) is set using the Clock.
See "Selecting time format" on page 37.

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:

Option 1: 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.

Option 2: Make note

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

See "Entering letters and numbers" on page 42 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.

Option 3: 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 will delete all calendar notes. When prompted to confirm the erase, press **Yes** or **No**.

Option 4: View all

This allows you to view the notes of the entire calendar. Use ▼ or ▲ to scroll through the notes. **Calendar memory empty** will appear if there are no notes in the calendar.

Option 5: Go to date

Enter the date you wish to go to.

Option 6: Set the date

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

Caller groups

You can create groups of names in your **Phone book**
, and give each group a different ringing tone. Then you'll know when someone from that group is calling you because of the way the 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 "Storing a name and number" on page 58.

With the display clear, press ▼ until you see the name or number you want

Press **Details**, if shown, or skip to Step 3

Press **Options**

Use ▼ to reach **Caller groups**. Press **Select**.

Use ▼ to reach the group to which you want to add this name or number. Press **Select**.

Defining a ringing tone for a caller group

With the display clear, press **Names**

Press ▼ to reach **Caller groups**. Press **Select**

Use ▼ to reach the group you want. Press **Select**

Press ▼ until you see **Group ringing tone**. Press **Select**. Use ▼ to reach the tone you want to hear when anyone from this group calls you. Press **OK**.

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

See the "Caller group" description under "Ringing options" on page 64.

Renaming a caller group

Follow steps 1-3 in *"Defining a ringing tone for a caller group"*

Press ▼ until you see **Rename group**. Press **Select**.

Enter the group name *(see "Entering letters and numbers" on page 42 for details)* and press **OK**

Removing names from a caller group

Follow steps 1-4 in *"Adding names to a caller group"*

Use ▼ to reach **No group**. Press **Select**.

Caller group graphics

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

Press **Names**, scroll to **Caller groups**, then press **Select**

Scroll to the caller group you wish to display the graphic for and press **Select**

Scroll to **Group graphic** and press **Select**

Scroll to **On** to display the graphic that goes with that particular caller group

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 57)* or if the wireless network supports it.

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

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.
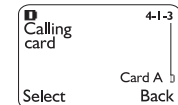
Storing your calling card

Press **Menu** 4 1 3 (**Settings** - **Call settings** - **Calling card**)

Scroll to desired calling card and press **Options**

Press ▼ or ▲ to **Edit**, press **OK**

Enter security code and press **OK**

Press **Select** at **Dialing sequence**. Select the dialing sequence your card uses (use chart below), press ▼ or ▲ to choose sequence, then 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, then press **OK.** Press **OK** again at **Save changes**?

Press ▼ or ▲ to **Card name** and press **Select**. Enter card name using your phone's keypad, press **OK**.

See "Entering letters and numbers" on page 42 if you need help on entering the card name

For details about your phone's security code, see "Security code" on page 68.

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

Press **Menu** 4 1 3 (**Settings** - **Call settings** - **Calling card**)

Scroll to desired card and press **Options**

Press ▼ or ▲ to highlight **Select** and press **OK**.

Enter security code at **Security code:**, press **OK**

Your phone will display **Card ready for use**

Making calling card calls

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.

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

Press **OK** when you see **Wait for tone, then press OK**. When you see **Wait for tone, press OK again**, 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.

Call forwarding

This network service is used to forward incoming calls to another number so you won't miss an important call. Check with your service provider for details.

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 (e.g., *72 555 1212)

See "Network feature setting" on page 53 for more details.

Press **Menu** 4 4 2 (**Settings** - **Network services** - **Call forwarding**)

Scroll to desired call forwarding feature *(see options below)* and press **Select**

Highlight **Activate** and press **OK**

Enter phone number at **Number:** (or press **Search** to locate number in phone book) and press **OK**

Your phone will attempt to call the network to confirm the feature code you entered in Menu 4 4 5 *(see "Network feature setting" on page 53)*

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

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.

Call log

This feature automatically keeps track of numbers you've dialed, numbers that have called you, and the amount of time you've spent on calls.
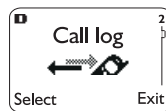
Using call log

Press **Menu** 2 (**Call log**)

Scroll to one of the following options, then press **Select** or **OK**

2-1 **Missed calls** - *See page 52.*

2-2 **Dialed calls** - *See page 39.*

2-3 **Received calls** - *See page 62.*

2-4 **Clear call lists** - *See page 36.*

2-5 **Call timers** - *See page 34.*

Tip: You can dial any of the phone numbers by pressing B while the number is on the display.

The 'Options' soft key

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

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 will erase the number from the call list.

View number will appear only if the number has been stored in the phone book and the name is displayed instead of the number.

Call restrictions

This feature allows you to restrict incoming and outgoing calls to and from certain numbers.

See "Restrict calls" on page 63 for details.

Call settings

This feature allows you to access and activate some of your phone's features.

Using call settings

Press **Menu** 4 1 (**Settings** - **Call settings**)

Press ▼ to reach one of the following options, then press **Select**

4-1-1 **Emergency key 9** - *See page 41.*

4-1-2 **Automatic redial** - *See page 23.*

4-1-3 **Calling card** - *See page 29.*

Call timers

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

Press **Menu** 2 5 (**Call log** - **Call timers**)

Scroll repeatedly to access the following options

Last call displays call duration of last call.

All calls displays call duration of all calls made since timers have last been reset *(see page 36 for details on how to clear call timers)*.

Life timer shows duration of all calls; this can not be reset *(see page 48)*.

Clear timers clears all call timers except the Life timer *(see page 36)*.

These call durations are for the currently-selected NAM (phone number). Your phone has separate timers for each NAM your phone uses, except for the Life timer.

See "NAM selection" on page 53 for details on NAM.

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.
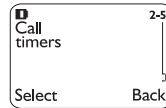
Call waiting

If you have subscribed to Call Waiting, your phone will beep during a call let you know you have an incoming call. Your phone may also display the incoming caller's identification *(see "Caller ID" on page 28)*.

Answering an incoming call with call waiting
Press B

Swapping between two calls
Press B

Ending the calls
Press E to end both calls

Activating call waiting

You can also activate this feature with your phone; simply ask your service provider for the feature code, store it into your phone, then activate it.

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

See "Network feature setting" on page 53 for more details.

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

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

Your phone will attempt to call the network to confirm the feature code you entered in Menu 4 4 5 *(see "Network feature setting" on page 53)*

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

Change lock code

This feature allows you to change your lock code.

See "Changing your lock code" on page 49.

Change security code

This feature allows you to change your security code.

See "Changing your security code" on page 68.

Clear call lists

This feature will clear all dialed numbers, as well as numbers of answered calls and missed calls. You can not undo this operation, so be careful.

Also, see "Call log" on page 32.

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

Highlight either **All**, **Missed**, **Dialed**, or **Received** and press **OK** (**All** will clear all call lists, while the others clear their respective call lists)

Clear timers

This feature clears all call timers for the currently-selected NAM. *See "Call timers" on page 34 for more details.*

Press **Menu** 2 5 4 (**Call log** - **Call timers** - **Clear timers**)

Enter security code at **Security code:** and press **OK**

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.*

Note: The Life timer contains important warranty information and can not be reset. See "Life timer" on page 48 for details.

Clock

Your phone has an internal clock that can be displayed or hidden.
It also features an alarm clock
(see page 21).

```
┌─────────────────────┐
│ ▫Clock       4-2-1  │
│                     │
│            01:10 am │
│ Select         Back │
└─────────────────────┘
```
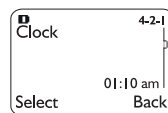
Note: The clock is powered by your phone's battery. If your clock has been activated and you remove the battery while your phone is still on, you will need to reset the time after you turn your phone back on.

However, if you first turn your phone off before removing the battery, your phone will retain the time and date it had before the battery was removed.

Setting the clock

Press **Menu** 4 2 1 (**Settings** - **Phone settings** - **Clock**)

Scroll to **Adjust time** and press **Select**

Enter present time at **Time:** (use two-digit fields for hours and minutes)

Press **OK**

Select **am** or **pm** and press **OK** (if am/pm format has been selected; see below)

Selecting time format

Press **Menu** 4 2 1 (**Settings** - **Phone settings** - **Clock**)

Scroll to **Time format** and press **Select**

Scroll to either **24-hour** or **am/pm**

Press **OK**

Displaying or hiding the clock

Press **Menu** 4 2 1 (**Settings** - **Phone settings** - **Clock**)

Scroll to either **Hide clock** or **Display clock** (only one will display depending on the current setting)

Press **Select**

Conference call

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

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

Making a conference call

While in a call, enter (or recall from the phone book) the second phone number and press B

Once the third party answers, press B to connect all three parties

Press B again if you wish to disconnect the third party. Press E to drop both parties.

Recalling a number from the phone book during a conference call

During the call, press **Options**

Scroll to **Names** and press **OK**

Press **Select** at **Search**

Enter name and press **OK**, or just press ▼ or ▲ to scroll through the phone book

Press B

Current call timer

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

Also, see "Call timers" on page 34.

Activating the current call timer

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

Customer care contact number

With the press of a single button, you can quickly attempt calls to your service provider. This feature can be helpful if you're having difficulties dialing a number, especially when traveling outside your home area.

Simply press and hold the 2 key and your phone will attempt to call a customer care operator in the area.

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

Customize profiles

This feature allows you to customize individual Profiles.

See "Profiles" on page 61 for details.

Dialed calls

Your phone automatically stores the last 10 numbers you've dialed.

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

Press ▼ or ▲ to scroll through dialed numbers list

Press B to dial the number you wish to call

You can also access the last 10 dialed numbers if you press B, then quickly press ▼ or ▲ to scroll through the list.

Also, see "Call log" on page 32 for details on other call lists.

The 'Options' soft key

See "The 'Options' soft key" on page 33.
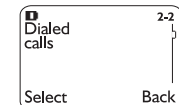
Earpiece volume

The scroll keys on your phone will adjust the earpiece volume during a phone call. The top scroll key increases while the bottom one decreases the volume.

If an accessory like a headset or a car kit, or one with its own loudspeaker, is connected to your phone, the scroll keys will adjust the volume for that accessory.

Note: Using the scroll keys to adjust earpiece volume functions only during phone calls.

Emergency calls

Before attempting any emergency calls, see "Emergency Calls" on page 94 for important safety information.

If the phone is not on, switch it on

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

Press B

IMPORTANT!

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

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

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

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 cellular phone may be the only means of communication at the scene of an accident - do not cut off the call until given permission to do so.

Emergency key 9

With this feature on, the phone attempts to make an emergency call when you press 9, then B. 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 or when the phone is connected to a modem.

Activating Emergency key 9

Press **Menu** 4 1 1 (**Settings** - **Call settings** - **Emergency key 9**), scroll to **On** to activate or **Off** to cancel, then 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.

Entering letters and numbers

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

ABC mode

When you need to enter letters into your phone, it will automatically switch over 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 below for details)
6	MNO6	#	Changes letter case; long press toggles between ABC/abc and 123 mode

While you're editing a name, the ▲ key will move the cursor to the left, and ▼ will move 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 will switch 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. Simply press that particular number key a few times until it appears.

However, you can do this more quickly by accessing the **123** mode, without having to scroll through each letter to access the number you wish to enter.

Simply press the # key for about 2 seconds while in **ABC** mode and the **123** icon will appear. While in this mode, only numbers can be entered. Letters can not be entered unless your phone is in **ABC** mode.

Press the # key again for a couple of seconds if you wish to deactivate the **123** mode.

Special characters (for storing names)

When in ABC mode *(see page 21)*, you can press the * key and the following special characters will appear. You can use these characters to help when storing names in your phone book. Simply 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.

Special Characters (for storing numbers)

The following special characters are helpful when you store names to your phone book *(see page 57)*. Simply press the * key once or repeatedly, 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 page 76)*.

(**w**) creates a "wait" when a number is dialed. The "**w**" makes your phone wait for you to press **Send** or B, then it sends the digits located to the right of the "w" as touch tones *(see page 76)*.

You can add as many special characters as you need in a single number sequence. These characters can not be entered while in **ABC** mode.

Erasing stored names and numbers

See "Erasing stored names and numbers" on page 58.

Erasing your entire phone book

See "Erasing your entire phone book" on page 59.

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 display 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

No information available at this time.

Game options

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

Level allows you to choose the level of difficulty.

New game starts a new game.

Top score will display the top score *(does not appear in Logic)*.

Instructions will describe how the game is played.

Note: **Last view** or **Continue** may appear in the options list if a game is interrupted, not finished, or if you have lost the game.

Inbox

When you receive a text message, it's stored in the Inbox. Your phone will display **Message received**, along with the text message icon, and makes a sound *(depending on the message alert tone; see page 51)*.

Please see "Text messages and pages" on page 71 for complete details on this feature.

In-call menu

While in a call, you may notice the **Options** soft key. Pressing this will access you to the in-call menu, and you may notice the following choices:

Mute Allows you to mute the microphone; if your microphone is already muted, this will change to **End mute** *(see "Microphone" on page 52)*

Touch tones You can manually enter a touch tone string or search for one in your phone book *(see "Phone book" on page 57)*

New call You can make a third party conference call *(see "Conference call" on page 37)*

Menu Allows you access to your phone's menu

Names Allows you access to your phone book *(see "Phone book" on page 57)*

Keyguard

This feature helps protect the keypad against accidental keypresses.

See "Keyguard" on page 13 for complete details.

Keypad tones

This is one of the settings in your phone's Profiles *(see page 61)*. It sets the volume of the tone you hear when you press your phone's keys.

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

Setting the keypad tones

Press **Menu** 3 (**Profiles**)

Your phone lists each profile. Use ▼ to highlight the one you want to set the keypad tones for and press **Options**.

Highlight **Customize** and press **OK**. Press ▼ to **Keypad tones** and press **Select**

Press ▼ to scroll through the options; your phone plays a sample of each. Press **OK** for the one you want.

Language

Because many wireless phone customers speak English as a second language, your phone allows you to choose your phone's displayed language.

Choosing a language for your phone

Press **Menu** 4 2 5 (**Settings** - **Phone settings** - **Language**), scroll to the language you wish to use and press **OK**.

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

Last call timer

This feature displays the duration of your last call.

See "Call timers" on page 34.

Last number redial

When you want to call your last dialed number,

Press B and wait 3 seconds

Note: You must be at the start screen before you press B

Letter case

You can change from upper to lower case when entering letters into your phone.

See "Changing letter case" on page 43 for complete details.

Life timer

The life timer displays the total time of all calls dialed and received with your phone (in hours and minutes only). The life timer can not be reset and is used in conjunction with your phone's warranty

Also, see "Call timers" on page 34.

Lights

This is one of the settings in your phone's **Car** Profile *(see page 61)*. This feature determines whether the lights are on only when you use your phone, or if they are on at all times. This setting works only when your phone is connected to a car kit.

Press **Menu** 3 (**Profiles**)

Your phone lists each profile. Use ▼ to highlight **Car** and press **Options**.

Note: **Car** will not appear in the list until the phone has been connected to a car kit at least once time.

Highlight **Customize** and press **OK**. Press ▼ to highlight **Lights** and press **Select**.

Use ▼ to 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 will remain on the entire time your phone is connected to the car kit.

Listen to voice messages

This feature allows you to access your voice messages.

See "Voice messages" on page 79 for complete details.

Lock code

You'll need the lock code to activate and deactivate Phone Lock *(see page 59)*, 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 will prompt you for the security code *(see page 68)*.

Changing your lock code

In a lock code, only numeric characters are accepted.

Enter **Menu** 4 3 2 3 (**Settings** - **Security settings** - **Access codes** - **Change lock code**)

Enter lock code at **Enter lock code:** and press **OK**

Enter new lock code, press **OK**

Verify new lock code, 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.

Manual touch tones

This setting determines how long touch tones are produced as you press the keys on the keypad. Note that touch tones are sometimes called DTMF tones.

See "Touch tones" on page 76 for details.

Setting manual touch tones

Press **Menu** 4 2 3 1 (**Settings** - **Phone settings** - **Touch tones** - **Manual touch tones**) and highlight 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 will be sent when you press the keys.

Memory status

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

Also, see "Phone book" on page 57.

Press **Names**, scroll to **Options** and press **Select**. Then scroll to **Memory status** and press **Select** again

Messages

This feature allows you to access your voice and text messages, as well as composing your own welcome note.

Using messages

Press **Menu** 1 (**Messages**)

Scroll to one of the following options, then press **Select**

1-1 **Text messages** - *See page 71.*

1-2 **Voice messages** - *See page 79.*

1-3 **Welcome note** - *See page 81.*

Message alert tone

This is one of the settings in your phone's Profiles *(see page 61).* It sets the tone that your phone makes when you get a text message.

Also, see "Text messages and pages" on page 71.

Press **Menu** 3 (**Profiles**)

Your phone lists each profile. Use ▼ to highlight the one you want to set the message alert tone for and press **Options**.

Highlight **Customize** and press **OK**. Press ▼ to highlight **Message alert tone**, then press **Select**.

Use ▼ to scroll through your choices (your phone plays samples) and press **OK**.

Microphone

You can mute and unmute your phone's microphone while a call is in progress. During a call, your phone's softkeys change from **Names** and **Menu** to **Options** and **Mute**.

Muting and unmuting your phone

You can mute the phone's microphone during a call; simply press **Mute**. To unmute the microphone, press **Unmute**.

If these texts are not available, press **Options**, scroll to **Mute** or **End mute** and press **Select**.

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

Missed calls

Your phone will keep track of the last 10 calls you have missed if you weren't around to answer the call. Missed calls will appear in your phone only if it was turned on and in a service area when the call was missed.

If the display says 'Missed calls'

Press **List**. To call back the displayed number, press B. Press **Exit** to go back to the start screen.

The 'Options' soft key

See "The 'Options' soft key" on page 33.

Checking the missed calls list anytime

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

This shows you the phone numbers of the 10 most recent calls you've not answered.

When the **Forward if not answered** option in the Call Forwarding feature *(see page 31)* is selected, your phone treats the forwarded calls as missed calls.

Also, see "Call log" on page 32 for details on other call lists.

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 70)*. 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

Press **Menu** 4 4 6 (**Settings** - **Network services** - **NAM selection**), highlight 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.

Network feature setting

Call forwarding *(page 31)*, Call waiting *(page 34)* and Send own number *(page 69)* 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 programmed, any feature codes stored will apply only to your primary phone number, or NAM 1.

See "NAM selection" on page 53 for details on NAM.

Storing codes

Press **Menu** 4 4 5 (**Settings** - **Network services** - **Network feature setting**)

At **Feature Code:**, enter the feature code or deactivation code received from your dealer (e.g. ∗74, ∗740, etc.), press **OK**

▼ to the service that the code applies to and press **Select**

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

(Use step four only for call forwarding options)

▼ to **Activate** or **Cancel**, then press **OK**

Network services

Some of the features in this menu are network services that require a subscription. See your service provider for details and availability.

4-4-1 **Voice privacy** - *See page 80.*

4-4-2 **Call forwarding** * - *See page 31.*

4-4-3 **Call waiting** * - *See page 34.*

4-4-4 **Send own number** * - *See page 69.*

4-4-5 **Network feature setting** - *See page 53.*

4-4-6 **NAM selection** - *See page 53.*

∗ These features will not appear in the menu unless they are activated using **Network feature setting**. See "Network feature setting" on page 53 for details.

One-touch dialing

This feature allows you to make phone calls quickly and easily with the touch of a button.

You must store names and numbers in your phone book *(see page 58)* 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 79) and for attempting emergency calls
(see page 94) to the emergency number programmed into your phone (e.g. 911 or other official emergency number). The 2 key is for dialing a customer care operator (see page 39), which can be overwritten if you prefer.

Assigning one-touch dial locations

Press **Names,** scroll to **l-touch dialing** and press **Select**

Scroll to next available empty location, **(empty)** will appear, then press **Assign**

Scroll to select desired name and press **Select**

Repeat as necessary

Calling a number using one-touch dialing

Note: The 2 key is for dialing a customer care operator, which can be overwritten if you prefer.

Press and hold the key (2 through 8) 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 one-touch dial list

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

Press **Names,** scroll to **I-touch dialing** and press **Select**

Scroll to the location you wish to change and press **Options**

Scroll to **Change**, then press **Select**

Scroll through phone book to select new number and press **Select**

Erasing one-touch dial locations

Press **Names,** scroll to **I-touch dialing** and press **Select**

Scroll to the location you wish to erase and press **Options**

Scroll to **Erase**, press **Select**, then press **OK** at **Erase?**

Outbox

This is where all outgoing text messages are stored.

See "Text messages and pages" on page 71 for more details.

Paging

You can receive pages with your phone.

See "Text messages and pages" on page 71.

Phone book

You can store up to 250 numbers and associated names in your phone's memory. These numbers are right at your fingertips for easy dialing.

Things to know about the phone book

Stored numbers may be up to 32 digits long.

Stored names may be up to 16 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.

Accessing the phone book

Press **Names**, scroll to desired submenu and press **Select**.

About the submenus

The phone book has several submenus from which you can choose.

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.

I-touch dialing allows you to assign up to seven one-touch dial locations *(see page 54 for details)*.

Caller groups allows you to rename or change the ringing tone for a caller group *(see "Caller groups" on page 27)*.

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.

Storing a name and number

Press **Names**

Scroll to **Add new** and press **Select**

Enter name using the keypad (use # to switch between upper and lower case) and press **OK**

Enter phone number and press **OK**

Also, see "Entering letters and numbers" on page 42 and "Quick save" on page 70.

Changing a number stored with a name

Recall stored name, then press **Details** to view number

Press **Options**, scroll to **Edit** and press **Select**

Press **OK** while name is displayed, unless you wish to change it. If so, press and hold **Clear**, re-enter name and press **OK**

Press and hold **Clear** to erase number or use the ▼ and ▲ keys to edit

Enter new number

Press **OK** to save new number

Recalling names & numbers

At the start screen, press ▼ or ▲ to view names in directory. Then scroll to the person you wish to call and press B to dial the number (phone will display number dialed to confirm).

Recalling numbers by name

At the start screen, press **Names**. Then 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 recall and press **OK**.

Erasing stored names and numbers

Recall stored name

Press **Details**

Press **Options**

Highlight **Erase**, then press **Select**, then **OK**

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

Erasing your entire phone book

Press **Names**

Scroll to **Erase all** and press **Select**

Press **OK** at **Are you sure?**

Enter security code at **Security code:** and press **OK**

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

Phone lock

When you turn this on, your phone will lock after you switch your phone off and back on. Then, each time you turn your phone on, it will prompt you for a lock code when you press either **Names** or **Menu**.

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

Press **Menu** 4 3 2 1 (**Settings** - **Security settings** - **Access codes** - **Phone lock**). Enter the lock code then press **OK**. Then 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 41)*.

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. *(See page 78 for details)*.

Answering a call with phone lock on

Press any key except E and P

Turning off phone lock

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

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

Phone settings

Phone settings allow you access to other phone features such as an alarm clock and your phone's language.

Using phone settings

Press **Menu** 4 2 (**Settings** - **Phone settings**), then scroll to one of the following options, then press **Select**:

4-2-1 **Clock** - *See page 36.*

4-2-2 **Alarm clock** - *See page 21.*

4-2-3 **Touch tones** - *See page 76.*

4-2-4 **Restore factory settings** - *See page 62.*

4-2-5 **Language** - *See page 47.*

4-2-6 **Slide setting** - *See page 70.*

Profiles

Now you can adjust and customize your phone to whatever environments you find yourself in
(i.e. meetings, a movie, etc.).
With Profiles, you can control your phone's ringing volume, ringing tone, message alert, keypad tones, warning tones, etc., in a matter of seconds.
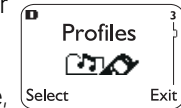
Note: Restore factory settings (see page 62) will reset any changes made in Profiles back to the factory defaults.
The default setting is **Normal**.

Accessing Profiles

Press **Menu** 3

Selecting different Profiles

If you want to change your phone's Profile, quickly press the P key. Quickly press P again to scroll through each choice, then press and hold the P key for a second to select that Profile.

You can also scroll through the list of Profiles with a quick press of the P key. Then press ▼ or ▲ to choose another Profile and press **OK**.

Either way, this only allows you to select other Profiles; you can not customize them here. Keep reading to learn how to customize a Profile.

Customizing Profiles

Press **Menu** 3 (**Profiles**) and scroll to desired Profile, then press **Options**.

Once **Options** is selected, **Select**, **Customize** and **Rename** will appear as your choices. Once you have selected one of these items, press **OK**. If you wish to go back to the main menu, press **Back**.

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.

When you select **Customize**, press **OK** and you'll have access to several lists and sub-menus that will enable you to adjust the settings on the current Profile.

Note: **Car** and **Headset** will not appear in the Profiles list unless your phone is connected to a car kit or a headset. However, they will remain in the menu once connected for the first time.

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

Renaming profiles

Press **Menu** 3 (**Profiles**)

Scroll to desired Profile and press **Options**

Scroll to **Rename** and press **OK**

Enter new name and press **OK** again

Note: Some profiles can not be renamed.

Received calls

This shows you the phone numbers of the 10 most recent calls you've answered.

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

Also, see "Call log" on page 32 for details on other call lists.

The 'Options' soft key

See "The 'Options' soft key" on page 33.

Restore factory settings

You can reset the settings of many of your phone's features to factory defaults (as in a new telephone).

Restoring factory settings

Press **Menu** 4 2 4 (**Settings** - **Phone settings** - **Restore factory settings**), enter 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 will reset when you restore your settings.

Renaming profiles

See "Profiles" on page 61.

Restrict calls

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

Restrict outgoing calls

If no restrictions have been defined in your phone, you will notice 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 will be added:

Select allows you to select call restrictions from the outgoing calls list.

Edit allows you to edit an existing outgoing call restriction.

Erase will erase 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.

Adding call restrictions

Press **Menu** 4 3 1 (**Settings** – **Security settings** – **Restrict calls**)

Scroll to **Restrict outgoing calls** and press **Select**

Enter the security code and press **OK**

Scroll to **Add restriction** to create an outgoing call restriction and press **OK**

Enter the number string you wish to restrict and press **OK**. For example:

If you wish to restrict all calls that begin with 1, enter 1 (this will restrict 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**

Restrict incoming calls

Press **Menu** 4 3 1 (**Settings** – **Security settings** – **Restrict calls**)

Scroll to **Restrict incoming calls** and press **Select**

Scroll to **All calls** and press **Mark** (or press **Unmark** if you wish to remove the restriction)

Ringing options

This is one of the settings in your phone's Profiles
(see page 61). You can choose how your phone notifies you of an incoming call. This setting does not affect incoming text message alert tones *(see page 71)*.

Selecting ringing options

Press **Menu** 3 (**Profiles**)

Your phone lists each profile. Use ▼ to highlight the one you want to set the ringing options for and press **Options**.

Highlight **Customize** and press **OK**. Press ▼ to **Ringing options**, then press **Select**.

Highlight either **Ring**, **Ascending**, **Ring once**, **Beep once**, **Silent**, or **Caller groups** and press **OK**

Caller groups sets the phone to **Silent** except for calls from people in selected caller groups *(see "Caller groups" on page 27)*.

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

Ringing tones

This is one of the settings in your phone's Profiles *(see page 61)*. It sets the ringing tone for incoming voice calls.

If you set **Ringing Options** *(see page 64)* to **Silent** or **Beep once**, ringing tones are automatically off.

Selecting ringing tones

Press **Menu** 3 (**Profiles**)

Your phone lists each profile. Use ▼ to highlight the one you want to set the ringing tones for and press **Options**.

Highlight **Customize** and press **OK**. Press ▼ to **Ringing tones**, then press **Select**.

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

Ringing volume

This is one of the settings in your phone's Profiles *(see page 61)*. It sets the default ringing volume for incoming voice calls and message alert tones.

```
┌─────────────────────────┐
│ ▯          3-1-2-2-4     │
│ Level 4                  │
│ Level 5                  │
│ Level 1                  │
│ OK            Back       │
└─────────────────────────┘
```

Setting the ringing volume
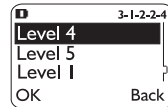
Press **Menu** 3 (**Profiles**)

Your phone lists each profile. Use ▼ to highlight the one you want to set the ringing volume for and press **Options**.

Highlight **Customize** and press **OK**. Press ▼ to **Ringing volume**, then press **Select**.

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.

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 will beep once and display **ROAM** or **EXTENDED AREA**, 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 will either display **HOME** or the name of the service provider.

Saved

This is where saved text messages are stored.

See "Text messages and pages" on page 71 for details.

Scrolling view

There are three different options on how you can view the phone book. Your choices are:

Name list shows all stored names in a scrolling list. Three names will appear at any given time. To view other names in the directory, scroll back and forth through the list using ▼ or ▲. **Name list** is the default setting.

Name+number displays individual names and numbers stored in your directory. Only one name will display on your screen at a time, with the corresponding phone number. Use ▼ or ▲ to view other names.

Name only shows individual names only. To view other names, use ▼ or ▲. You can view the corresponding phone number by pressing **Details**, then ▼ or ▲.

Selecting your scrolling view

Press **Names**

Scroll to **Options**, then press **Select**

Press **Select** at **Scrolling view**

Press ▼ or ▲ to select either **Name list**, **Name+number**, or **Name only**, then press **OK**

Security settings

This menu includes the following security features:

4-3-1 **Restrict calls** - *See page 63.*

4-3-2 **Access codes** - *See page 21.*

The **Access codes** submenu includes **Phone lock** *(page 59)*, **Unlocked phone number** *(page 77)*, **Change lock code** *(page 49)*, and **Change security code** *(page 68)*.

Security code

Your phone will prompt 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, ***** will appear on the display to keep 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** will appear) 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

Press **Menu** 4 3 2 4 (**Settings** - **Security settings** - **Access codes** - **Change security code**)

Enter security code and press **OK**

Enter new security code at **Enter new security code:**, press **OK**

Enter new security code again at **Verify new security code:**, press **OK**

Phone will display **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.

Send own number

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

Note: Before you can deactivate this 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 53 for more details.

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

Press **Menu** 4 4 4 (**Settings** - **Network services** - **Send own number**)

▼ to **Yes** (to show your number) or **No** (to not show it) and press **OK**

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 will attempt to call this number with the feature code you stored in Menu 4 4 5 (*see "Network feature setting" on page 53*)

Settings

This main menu allows you access to other features. See these individual entries for more information.
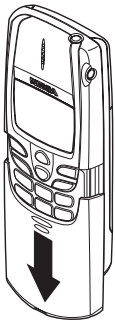
4-1 **Call settings** - *See page 33.*

4-2 **Phone settings** - *See page 60.*

4-3 **Security settings** - *See page 68.*

4-4 **Network services** - *See page 54.*

Slide setting

This feature allows you to answer and end calls simply by opening and closing the slide.

See "Using the slide" on page 11 for more details.

Storing a name & number

You can save names and numbers in the Phone book. Either use the method described in *"Storing a name and number" on page 58* or the "quick save" method described below.

Quick save

Enter the phone number and press **Save**. Enter a name at **Name:** if you wish (optional), then press **OK**.

Also, see "Entering letters and numbers" on page 42.

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 is **Automatic**, which means your phone automatically searches for networks available to you and chooses the appropriate one. Every time you switch on your phone, it resets this to **Automatic**.

If you choose **Manual**, your phone searches for networks, then begins displaying them. 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 new Private and Residential systems. When it finds the best new system, it displays it. You can then
Select it, 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 53 for more information concerning NAMs.

To switch from private to public

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 will display **Search public systems?**, press **OK** and your phone will use the public system for the next (only once) outgoing call. After that it goes back to **Automatic** system selection.

Text messages and pages

Before you can send or 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

When you access **Text messages**, you will view a screen with five different 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 here.

Write new allows you to write text messages, text pages, and e-mail messages.

Outbox is where outgoing messages are stored.

Erase all allows you to erase all text messages. However, unread text messages will not be erased.

Writing text messages

Note: Writing and sending text messages may not be available in all wireless systems. Please contact your service provider for details.

You can write a text message and send it as an e-mail, page, or fax with your phone.

The maximum length of any short message is up to 225 characters. The maximum length of an e-mail address is 70 characters.

Sending text messages

Press **Menu** 1 1

Scroll to **Write new** and press **Select**

Write your message using the keypad and press **Options**

To send the text message, press **OK** with **Send** highlighted

Enter the phone number (or press **Search** to locate in the phone book), then press **Send**

Sending options

If you press **Options** when sending a text message, you'll find the following choices:

Send sends the message as a normal text message.

Settings allows you to tag your messages (see below)

Send as allows your to send your message as an **E-mail**, **Page**, or **Fax**.

Save will save your message to the **Saved** folder.

Clear screen will clear the message screen.

Message settings

Urgent will notify recipient that your message is important.

Read receipt notifies you that recipient has opened your message.

Reply req. will request a reply from your recipient.

Callback no. will place your phone number within the message.

Sending messages as e-mail, faxes, and pages

You can send your text message to an e-mail address, a fax machine, or a pager.

Press **Menu** 1 1, then scroll to **Write new** and press **Select**

Write your message using the keypad and press **Options**

Scroll to **Send as** and press **OK**

Choose either **E-mail**, **Page**, or **Fax** and press **OK**

Enter e-mail address, fax number, or pager number and press **Send**

Receiving text messages

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.

When you receive a text message

Text messages are shown in the order that 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 will be 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 will override all other messages.

Urgent messages are also high priority messages.

Reading text messages

With **Message received** displayed, press **Read** and scroll to new message, then 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 will erase the message.

Save will save the message to the **Saved** folder.

Call back will automatically call whoever sent the message if any phone numbers are included within the message.

Forward allows you to forward the message to someone else.

Reply allows you to reply to the received message.

Calling someone back in a message

Press B while the message is displayed to dial the number quickly.

Or, with the message and the phone number displayed on your phone's screen, you can press **Options**, scroll and select **Call back**, then press **OK**.

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

Forwarding a message

Note: This feature is only available if your phone has been activated in a wireless system that supports the sending of text messages.

With the message displayed, press **Options**, scroll to **Forward** and press **OK**. Then send the message as you normally would.

Replying to a message

Note: This feature is only available if your phone has been activated in a wireless system that supports the sending of text messages.

With the message displayed, press **Options**, scroll to **Reply** and press **OK**. Then write your reply and send the message as you normally would.

If a phone number appears in the message you received, it's used as the default for the reply you're sending. This can be replaced by another number, if you wish.

Receiving a page

Your phone will display **Message received**. The message will display **Call:**, followed by the name or number of the person who paged you. Names will appear only if that person has been stored in the phone book.

When your phone's memory is full

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

If the message memory is still full, your phone will display **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.

Touch tones

Your phone can generate various sounds, called touch tones, when the keys are pressed. These are also known as DTMF tones.

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.

Storing touch tone strings

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

Store touch tone strings the same way you store phone numbers *(see page 58)*.

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

Sending a touch tone string

Make sure Menu 4 2 3 1 (**Settings** - **Phone settings** - **Touch tones** - **Manual touch tones**) is not set to **Off**.

During a call, press **Options**

Scroll to **Touch tones** and press **OK**

Enter touch tone string or recall string from the phone book and press **OK**

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

Storing touch tone strings with phone numbers

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

Press ✳✳✳ (p) or ✳✳✳✳ (w)

Enter the touch tone string (e.g. voice mailbox password)

Store the number as you normally would

Note: See "Special Characters (for storing numbers)" on page 43 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.

Linking phone numbers with touch tone strings

This feature allows you to store a phone number in one phone book location and link it to another phone book location that contains a touch tone string.

First, you must first store the touch tone string into a phone book location and then assign it a one-touch dialing location *(see "One-touch dialing" on page 55)*.

Enter the phone number you wish to link with the touch tone string

Press * twice (you should have a "+" character next to the phone number)

Enter the one-touch dialing location where the touch tone string is stored (i.e. if the string is stored in location 2, then enter 2)

Press **Save** and then enter the name that corresponds with the phone number (this is optional)

Press **OK**

When you wish to call this number, make the call as you normally would. Then, when you wish to send the touch tone string, simply press **OK**.

Touch tone length

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

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

You can set the touch tone length by pressing **Menu** 4 2 3 2 (**Settings** - **Phone settings** - **Touch tones** - **Touch tone length**).

Unlocked phone number

When the phone lock is on *(see page 59)*, no calls can be made. However, you can store one number into your phone that can be called when it's locked.

Storing the unlocked phone number

Press **Menu** 4 3 2 2 (**Settings** - **Security settings** - **Access codes** - **Unlocked phone number**)

Enter lock code and press **OK**

Enter phone number at **Number:** (or press **Search** and scroll through the phone book)

Press **OK**

Calling the unlocked phone number

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

Press ▼ or ▲ once, then B or you can manually enter the phone number as it is stored and press B.

Vibrating alert

This is one of the settings in your phone's Profiles *(see page 61)*. When your phone has the vibrating battery attached, you can set your phone to vibrate when you receive a voice call.

Note: This setting will not appear in your phone unless a vibrating battery has been attached.

Activating vibrating alert

Press **Menu** 3 (**Profiles**)

Your phone lists each Profile. Use ▼ to highlight the one you want to set the vibrating alert for and press **Options**.

Highlight **Customize** and press **OK**. Press ▼ to reach **Vibrating alert**, then press **Select** again.

Use ▼ to highlight **On** or **Off** and press **OK**. If you choose **On**, your phone will vibrate even if you have set **Ringing options** *(see page 64)* to **Silent**.

"The vibrating battery does not vibrate when the phone is connected to or placed in any charging device."

Voice mailbox number

This number dials your voice mailbox.

See "Voice messages" in next section.

Voice messages

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

Your phone will notify you when you receive a voice message. **New voice message** will appear on the display along with the ▢▢ icon, and you'll hear a short beep. Your phone will display the number of voice messages if you've received more than one.

Setting up your voice mailbox

Before you can retrieve any voice messages, you need to store your voice mailbox number. Your service provider usually gives this number to you.

When you're ready to store your voice mailbox number, press **Menu** 1 2 2 (**Messages - Voice messages - Voice mailbox number**). Then enter your voice mailbox phone number and press **OK**. This number can be up to 32 digits long and is used until it's changed. So 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. So if you need information about how to record your greeting or how to store your password, contact your service provider. You'll also need to contact them on how to listen to voice messages once you're connected to your voice mailbox.

Listening to your voice messages

If **New voice message** is displayed, just press **Listen** and follow the prompts. If you'd rather listen to your messages later, press **Exit**.

You can listen to messages anytime if you press and hold the 1 key; **Calling voice mailbox** will appear on the display. Or if you prefer, you can access your voice mailbox by pressing **Menu** 1 2 1 (**Messages - Voice messages - Listen to voice messages**).

Voice privacy

Note: This feature may not be available in all areas. Please 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.

Voice privacy will become active only during a call and will notify you with a beep. **Voice privacy** active will also appear on the display.

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

You may set this to **On** or **Off** by pressing **Menu** 4 4 1 (**Settings** - **Network services** - **Voice privacy**).

Volume

You can adjust the ringing volume and earpiece volume with your phone.

See "Earpiece volume" on page 40 and "Ringing volume" on page 66.

Warning tones

This is one of the settings in your phone's Profiles *(see page 61)*. Warning tones include tones your phone makes for conditions such as errors, confirmations, power on, battery low, and recharge battery. You can set warning tones on or off.

Turning warning tones on and off

Press **Menu** 3 (**Profiles**)

Your phone lists each Profile. Use ▼ to highlight the one you want to set the warning tones for and press **Options**.

Highlight **Customize** and press **OK**. Press ▼ to **Warning tones**, then press **Select**.

Scroll to **On** or **Off** and press **OK**

Welcome note

You can program a welcome note into your phone to display a message when you first turn it on (i.e. hello, your name, a reminder, etc.). The maximum length is 36 characters.

Press **Menu** 1 3 (**Messages** - **Welcome note**)

Enter new message or edit an existing one, then press **Options**

Press ▼ to **Save** or **Erase** and press **OK**

The welcome note displays each time your phone is switched on. 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.

See "Entering letters and numbers" on page 42 for details.

Write new

This feature allows you to write text messages, text pages, and e-mail messages with your phone.

See "Text messages and pages" on page 71 for more details.

6. Accessories

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

A few practical rules for accessory operation:

Keep all accessories out of reach of small children.

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

Check regularly that any vehicle-installed accessories are mounted and are operating properly.

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

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

See page 8 for important battery usage information.

Batteries

The following table shows battery options that are available for your phone, charging times with the Rapid Travel Charger (ACP-9U) and the Standard Travel Charger (ACP-7U), talk times, and standby times. Consult your service provider for more information. *These charging times are approximate.*

Li-Ion NiMH

CONTAINS: Nickel metal hydride or lithium ion battery. Must be recycled or disposed of properly. Must not be disposed of in municipal waste.

Charging Times

Battery Option	ACP-7U Charger	ACP-9U Charger
BLS-2 Extended Li-Ion Battery 900 mAh	4 hrs	2 hrs
BMS-2/BMS-2S Extended NiMH Battery 900 mAh	4 hrs	1 hr 30 min
BMS-2V Vibrating NiMH Battery 900 mAh	4 hrs	1 hr 30 min
BLS-4 Extended Li-Ion Battery 1500 mAh	5 hrs	3 hrs 30 min

Note: The times displayed above will allow your battery to obtain approximately 80% of its capacity; and the battery scroll bars on your phone's display will stop scrolling. If you wish to obtain 100% battery capacity, please allow another two hours to "trickle" or "maintenance" charge.

Standby and Talk Times

Battery Option	Digital Talk Time	Analog Talk Time	Standby Time
BLS-2 Extended Li-Ion Battery 900 mAh	2 hrs to 3 hrs15 min	1 hr to 1 hr 50 min	100 to 200 hrs (dig) 30 to 50 hrs (ana)
BMS-2/BMS-2S Extended NiMH Battery 900 mAh	2 hrs to 3 hrs15 min	1 hr to 1 hr 50 min	100 to 200 hrs (dig) 30 to 50 hrs (ana)
BMS-2V Vibrating NiMH Battery 900 mAh	2 hrs to 3 hrs15 min	1 hr to 1 hr 50 min	100 to 200 hrs (dig) 30 to 50 hrs (ana)
BLS-4 Extended Li-Ion Battery 1500 mAh	3 hrs 10 min to 5 hrs 10 min	1 hr 35 min to 2 hrs 50 min	170 to 335 hrs (dig) 50 to 83 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. The charger can also be used together with the Compact Desktop Charging Stand (DCH-9).
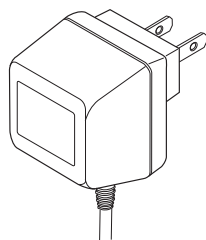
Rapid Travel Charger (ACP-9U)

This lightweight (100g) AC charger can be used with all battery options. Calls can be made during charging, even with a fully discharged battery.
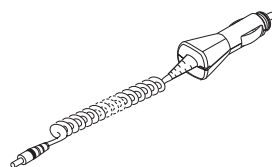
To use the Rapid Travel Charger (ACP-9U), plug it into a standard 120V AC wall outlet, and connect the lead from the charger to the base of your phone.
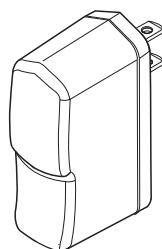
The charger can also be used together with the optional Compact Desktop Charging Stand (DCH-9). Approximate charging times for discharged batteries are shown at the beginning of this section.

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 Compact Desktop Charging Stand (DCH-9).

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-9U)

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.

Compact Desktop Charging Stand (DCH-9)

Used together with the Standard Travel Charger (ACP-7U) or the Rapid Travel Charger (ACP-9U), the Compact Desktop Charging Stand (DCH-9) is an economical choice when you need your phone close at hand, always ready for calls.
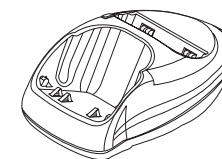
This charging stand allows you to charge your phone's battery in the front charging slot, plus a spare battery in the rear charging slot.

When charging both batteries simultaneously, charging will begin in the front charging slot and then move 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.

DCH-9 Rear Slot Charging Times				
Battery Option	Using ACP-7U		Using ACP-9U	
	When front slot empty	When front occupied	When front slot empty	When front occupied

DCH-9 Rear Slot Charging Times				
BLS-2 Extended Li-Ion 900 mAh	6 hrs 30 min	8 hrs 30 min	4 hrs 10 min	5 hrs 25 min
BMS-2/BMS-2S Extended NiMH 900 mAh				
BMS-2V Vibrating NiMH 900 mAh				
BLS-4 Ultra Extended Li-Ion 1500 mAh	12 hrs	15 hrs 40 min	8 hrs	10 hrs 30 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 84 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.

7. Troubleshooting

What if charging fails?

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

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

No service

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

What if the call doesn't go through?

Your phone can make and receive calls only when it's switched on and in the wireless network's service area. **No service** means that you're probably outside the wireless service area. No calls can be made or received. *See "Get a good signal" on page 11.*

Check call restrictions means calls to the phone number you tried to call are restricted *(see "Restrict calls" on page 63)*, or your phone is locked *(see "Phone lock" on page 59)*.

Note: Check with your service provider for information about when you need to dial a '1' and/or an area code in addition to the number.

If you make a mistake dialing

Press **Clear** to delete the last character entered, or press and hold **Clear** to delete all characters entered.

8. 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 can not guarantee connection in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (e.g. medical emergencies).

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

Making an Emergency Call

If the phone is not on, switch it on

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

Press B

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 cut off the call until given permission to do so.

Radio Frequency (RF) Signals

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

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

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

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

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

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

Care and Maintenance

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

• Keep it and all its parts and accessories out of small children's reach.

• Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.

• Do not use or store it in dusty, dirty areas as its moving parts can be damaged.

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

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

• Do not attempt to open it. Non-expert handling of the device may damage it.

• Do not drop, knock or shake it. Rough handling can break internal circuit boards.

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

• Do not paint it. Paint can clog the device's moving parts and prevent proper operation.

• Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications or attachments could damage the phone and may violate regulations governing radio devices.

• If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

9. Technical Data

Wireless SystemDual-Band TDMA and AMPS

Weight 165g (5.8 oz) with BMS-2/
BMS-2S 900 mAh NiMH Battery

Size 140 cc

Frequency Range

Lowband 824.04 - 848.97 MHz (TX)
869.04 - 893.97 MHz (RX)

Highband1850.04 - 1909.92 MHz (TX)
1930.08 - 1989.96 MHz (RX)

Transmitter Output Power

Up to 600mW nominal

Battery Voltage 3.6 V nominal

Charging current 850 mAh max.

Operating Temperature -20°C to + 40°C
(-4°F to + 104°F)

Number of Channels 832 lowband
1997 highband

Number of NAMs 3

Memory Locations 199

Memory Capacity Alpha: 16 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)

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

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

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NOKIA One-Year Limited Warranty

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

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

2. The limited warranty extends only to the original consumer purchaser ("Consumer") of the Product and is not assignable or transferable to any subsequent purchaser/end user.

3. The limited warranty extends only to Consumers who purchase the Product in the United States.

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

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

6. The Consumer shall bear the cost of shipping the Product to the Customer Service Department of NMPI. NMPI shall bear the cost of shipping the Product back to the Consumer after the completion of service under this limited warranty.

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

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

b) The Customer Service Department at NMPI was not notified by Consumer of the alleged defect or malfunction of the Product during the applicable limited warranty period.

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

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

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

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

b) If "a" is not convenient the Consumer may contact the Customer Service Department at NMPI, at the phone number listed on the bottom of the next page for further instructions.

c) The Consumer shall ship the Product prepaid and insured. Expenses related to removing the Product from an installation are not covered under this limited warranty.

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

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

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

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

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

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

13. Questions concerning this limited warranty may be directed to the Customer Service Department at Nokia, 6200 Courtney Campbell Causeway, Suite 900, Tampa, FL 33607. Telephone 1-888-NOKIA2U (1-888-665-4228) or (813) 288-3800, Facsimile: (813) 287-6612.

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

NOTES