ATTACHMENT M – USER'S MANUAL
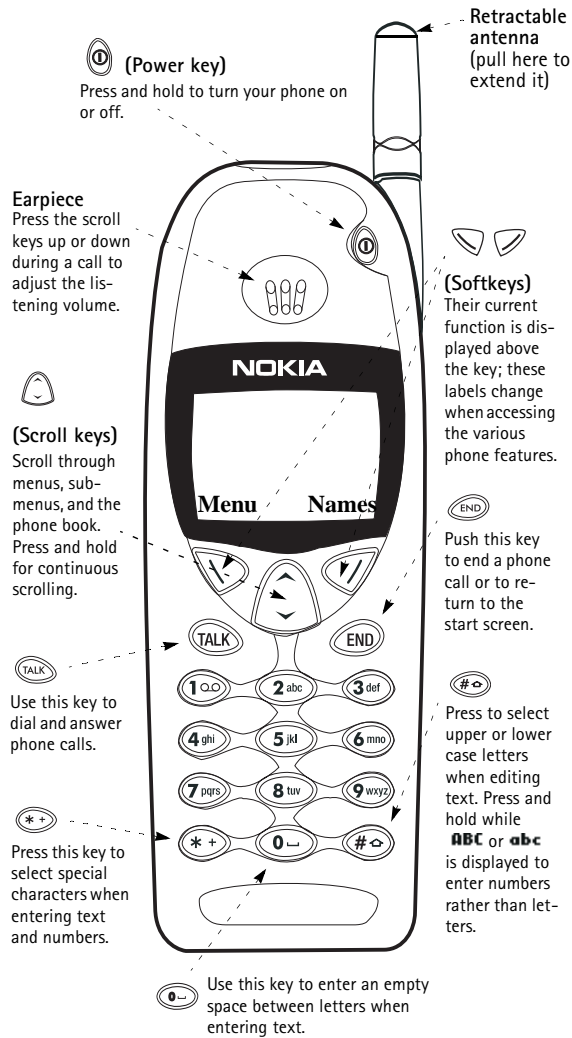
User Guide

Nokia 6180*i*

Phase A

(aka "Phase 1")

Keys

(Power key)
Press and hold to turn your phone on or off.

Retractable antenna
(pull here to extend it)

Earpiece
Press the scroll keys up or down during a call to adjust the listening volume.

(Softkeys)
Their current function is displayed above the key; these labels change when accessing the various phone features.

(Scroll keys)
Scroll through menus, submenus, and the phone book. Press and hold for continuous scrolling.

Menu   **Names**

Push this key to end a phone call or to return to the start screen.

Use this key to dial and answer phone calls.

Press to select upper or lower case letters when editing text. Press and hold while **ABC** or **abc** is displayed to enter numbers rather than letters.

Press this key to select special characters when entering text and numbers.

Use this key to enter an empty space between letters when entering text.

Para obtener un manual del usuario en español favor de llamar
o enviar un fax al teléfono 1-888-NOKIA2U
(1-888-665-4228), fax 813-287-6612.

Table of Contents

1. Safety At A Glance

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

Note: For more detailed safety information, "Important Safety Information" on page 111.

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

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

Using this Guide

The wireless phone described in this guide is approved for use in AMPS 800 and CDMA 800 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

This section will help you understand the ins and outs of charging and using 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.
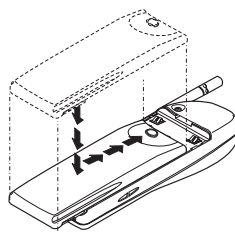
See "Important Battery Information" on page 9.

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 powered on or off, connect the lead from the charger to the bottom of your phone. You can also place your phone on the charging stand (with the stand connected to a standard 120V AC outlet via either the ACP-7U or ACP-9U AC/DC adaptors).
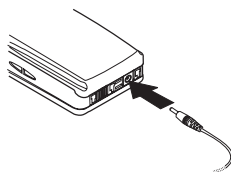
When the battery begins charging, your phone will beep once and the battery strength indicator on the right side of the display will begin to scroll after a few seconds.

If your phone displays **Not charging**, charging is suspended. Check that the battery is connected only to an approved charging device. If the battery is very hot or cold, wait for a while; charging will automatically resume after the battery is restored to its normal operating temperature. If charging still fails, contact your dealer.

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.

Important: If left unused, a fully charged battery will discharge itself over time.

When is a good time to charge?

Actually, you can charge 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 and game tones" on page 87.*

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 couple more hours. This is called "trickle charge" or "maintenance charge."

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

For approximate charging and operating times, see "Batteries" on page 105.

Can you make calls while charging?

Yes, you can. But your battery may not charge while a call is in progress (depending on which charger you are using). Charging should resume once you end the call.

See "Chargers and other accessories" on page 106 for more information.

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.

You can also use the battery discharge feature of any approved accessory available for your phone. Do not attempt to discharge the battery by any means other than those just described.

Removing the battery

Note: Switch off the phone before removing the battery!

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

2. Slide the battery toward the bottom of the phone.

3. Lift the battery off the phone.
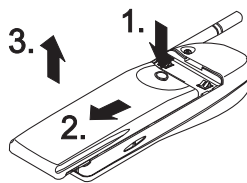
Important Battery Information

- The battery can be charged and discharged hundreds of

times but it will eventually wear out. When the operating time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.

- Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its life. If left unused a fully charged battery will discharge itself over time.

- (NiMH batteries only) For optimal operation, discharge the battery from time to time by leaving your phone switched on until it turns itself off. You can also use the battery discharge feature of any approved accessory available for your phone. Do not attempt to discharge the battery by any other means.

- Temperature extremes will affect the ability of your battery to charge: allow it to cool down or warm up first.

- Use the battery only for its intended purpose.

- Never use any charger or battery which is damaged or worn out.

- Do not short circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip, or pen) causes direct connection of the + and – terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in your pocket or purse. Short circuiting the terminals may damage the battery or the connecting object.

- Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 59° F and 77° F (15° C and 25° C). A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. NiMH batteries' performance is particularly limited in temperatures below 14° F (–10° C). Li–Ion batteries' performance is particularly limited in temperatures below 32° F (0° C).

- Do not dispose of batteries in a fire!

- Dispose of used batteries in accordance with any local regulations.

Cool Features

All the features in your phone are cool. It's just that some

are cooler than others!

For example, did you know that you can lock the keys on your phone to prevent accidental key presses and phone calls? Or that you can call someone with the touch of a single button? You can also stop your phone from ringing without even answering the call.

These are just some of the many Cool Features you'll find in your phone. Look for the ☀ icon throughout this owner's manual to find them.

3. 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.

What is the 'start screen'?

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

Anytime you want to get to the start screen, press ⬯, except during a call (unless you want to hang up).

CAUTION: If you press ⬯ when the phone is requesting input (for example, a setting, phone number, name, etc.), the phone displays the start screen and the input is not saved.

Navigating tools

Softkeys

Your phone has two softkeys that appear below the display. Their current function is indicated by the words appearing above them. Simply press the corresponding key under the choice you wish to select.
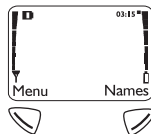
This illustration shows the phone at the start screen. The start screen displays **Menu** on the left and **Names** on the right. **Menu** allows you to access your phone's menus and submenus. **Names** allows you to access your phone book.

Note: See "Using Shortcuts" on page 14 and "Phone book" on page 64.

Scroll key

Use the scroll key to navigate through your phone's

menus and submenus. You can also use it to scroll through names and numbers in your phone book.

Also, when editing names and numbers (for example, numbers in your phone book), you may notice a cursor flashing within the name or number. Pressing the scroll key up or down moves the cursor within the text, allowing you to insert letters, numbers, or special characters via the keypad.

Note: See "Entering text and numbers" on page 42 for more details.

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 where you are 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 ⌄ or ⌃ to move up and down through the menu structure. The scroll bar works the same way with submenus.

Scrolling through the main menu

At the start screen, press **Menu**. Then scroll to the desired menu item.

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

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

Tip: Pressing the ⬭ key returns you to the start screen.

Menu and 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. If you become familiar with these

numbers, you can use them as shortcuts for accessing different menus.

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.

Note: See "Summary of Menu Items and Shortcuts" on page 15 for a list of your phone's features along with their menu locations.

Also, see "Using Shortcuts" on page 14.

Using Shortcuts

Now that you know about shortcuts, use them as a quick and easy way to access a menu without having to scroll through other menus. For example, to display the **Dialed calls** menu (shortcut **2–3**), press **Menu** ⊘ ⊘.

*Note: When entering a shortcut that begins with "1", you must first press ⊘ followed by "1" and any other number(s). For example, to display the Inbox menu (**0–1–1–2**), press* **Menu** ⊘ ⊘ ⊘ ⊘.

When entering a shortcut, don't wait more than a moment between each key press.

For a summary of your phone's menu structure, see "Summary of Menu Items and Shortcuts" on page 15.

Help Text

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

Summary of Menu Items and Shortcuts

4. 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 "Your Phone A to Z" starting on page 22.

Switching the phone on and off

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

Switching off with the 🔘 key

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

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

Note: See "Safety At A Glance" on page 5 for more information.

Getting a strong signal

For best results, fully extend the antenna. Your phone operates on radio waves, and the quality of radio reception depends 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.

Note: TIP 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.

If your phone does not detect service at power up, the message **Searching for service** will be displayed. The phone will continue to search for available service for 15 minutes, at which time it will display **No service** if none is found. The phone will periodically continue to search for service.

Checking signal strength

When at the start screen *(see page 14)* or in a call, the strength of the radio signal is indicated by the signal indicators on the left side of your phone's display. These indicators will move up as the strength of the signal increases and down as it 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.

Making a call

Your cellular phone does not have a dial tone. Simply enter the phone number (including area code, as needed) and press (TALK). Hold the phone as you would any other telephone, with the antenna pointed up and over your shoulder.

Editing a number on display

If you make a mistake while entering a number to dial, press ︿ to move the cursor to the left and ﹀ to move it to the right. To delete the character to the left of the cursor, press **Clear**. To delete all characters, press and hold **Clear**.

Dialing a phone number stored in the phone book

View stored names and numbers by pressing ﹀ or ︿ from the start screen (*see page 12)*, then press (TALK)

Calling card calls

Note: See "Calling card" on page 33.

Emergency calls

Note: See "Emergency calls" on page 41.

Ending a call

Press (END).

Answering a call

Press any key except (END) or (⏻).

*Note: This assumes that Anykey answer (**Menu** 4-1-4) is set to **On** and Keyguard (see next paragraph) is not activated. If keyguard is activated, you must press (TALK) to answer the call.*
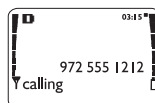
If you don't wish to answer the call, it will be forwarded to your voice mailbox (if you have a voice mail subscription).

To stop your phone from ringing, press (END). While the name of the person who is calling and the message **calling** is still displayed, you can still answer the call.

Keyguard

This feature helps to prevent accidental key presses (for example, when your phone is in your pocket or purse) by disabling your keypad.
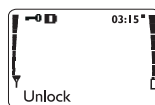
If any key is pressed while Keyguard is activated, a message appears: **Press Unlock and then ***.

Activating Keyguard

- Press and hold (END) until **Keys locked** appears (if you do this during a call, the call will end), OR...
- Press **Menu** (*+), OR...
- Press **Menu** 1-0, OR...
- At the start screen, press **Menu**, scroll to **Keyguard**, then press **Select**

When activated, the message **Keys locked** appears.

Deactivating Keyguard

- Press **Unlock,** then (*+), OR...

- Press and hold (END) until **Unlock keys?** appears, then press **OK**

Answering a call with Keyguard active

Only the (TALK) key will answer the call. After you end the call, Keyguard automatically becomes active again.

Some notes about Keyguard

- *Calls may be possible to the official emergency number (for example, 911) programmed into your phone. The number is displayed only after you have keyed in its last digit. To initiate the call, press (TALK) .*

- *The Emergency key 9 will not work with Keyguard enabled.*

- *You must deactivate Keyguard prior to turning off your phone.*

- *Pressing the (power) key quickly turns the display lights on for 15 seconds.*

- *When the phone is connected to a handsfree device (other than a headset), keyguard is automatically turned off. When disconnected from the device, it is automatically turned on.*

Ending a Call

Press (END)

Note: To clear any characters from the display, press (END) again.

5. Your Phone **A** to **Z**

ABC/abc mode

This allows you to enter upper and lower case alphanumeric characters into your phone. This is necessary for entering names and numbers into your phone book, as well as editing any existing alphanumeric characters.

See "Entering text and numbers" on page 42 for more information.

Access codes

This is a security feature that allows you access to certain phone features.

See "Lock code" on page 50 and "Security code" on page 75.

Alarm clock

The alarm clock uses your phone's clock and can be set in advance to sound an alert at a designated time.
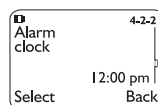
You can also turn your phone off after you've set the alarm. Your phone will automatically wake up and sound the alarm at the specified time.

The volume for the alarm clock is determined by the current ringing volume.

*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 or renamed.*

Note: For more information on profiles, see page 69. Also, see "Clock" on page 36 for information on your phone's clock.

Setting the alarm clock

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

2.   Enter time you wish to set alarm (for example, enter 07:00 to set the alarm to 7:00; remember if your

clock is

24-hour or am/pm). Existing digits will be replaced with the new alarm time.

3. Press **OK**

   Note: Step 4 appears only if you have selected am/pm format. See "Selecting time format" on page 37 for more information.

4. Select either **am** or **pm** and press **OK**

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.

If you turn off the phone

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

To shut off the alarm, press any key except **Snooze**. The phone displays **Keep the phone on?** Press **Yes** to keep it on or **No** to switch it off.

Note: If you do not make a selection after 1 minute, the phone will automatically shut itself off.

If you press **Snooze**, the phone turns itself off for 10 minutes, then back on to sound the alarm.

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

Turning the alarm clock off

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

All calls timer

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

Note: See "Call timers" on page 31.

Anykey answer

This feature allows you to answer an incoming call by pressing any key except ⊝ or ⊛. The default setting for this feature is **On**. To enable or disable Anykey answer, press **Menu** 4-1-4.

Automatic answer

This is a setting found in your phone's profile settings, under the **Handsfree** and **Headset** profiles (*see page 69*). When this feature is turned on, your phone answers incoming voice calls after one ring.

*Note: **Handsfree** and **Headset** profiles will not appear in your phone until you have connected an approved handsfree device or a headset to your phone at least once.*

Activating automatic answer

1. Press **Menu** 3 (**Profiles**)

2. Your phone lists each profile. Scroll to highlight the **Handsfree** or **Headset** profile, then press **Options**.

*Note: **Handsfree** and **Headset** will not appear in the list unless the phone has already been connected to a handsfree device or headset.*

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

4. Scroll to **On** and press **OK**.

Note: This feature will not function with data calls.

Automatic redial

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

Your phone will redial the number you're trying to call up to 3 times after you hear a quick, busy signal. Press **Quit** or <END> to stop the call attempts.

Activating automatic redial

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

Calculator

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

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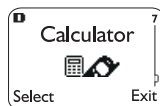
Using the calculator

1. Press **Menu** 7 (**Calculator**)

2. With the screen that contains a "0", enter the first number in the calculation (press # for decimal point)

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

4. Enter the second number

   Repeat these steps as needed. To clear one digit at a time, press **Clear**. To clear all digits, press and hold **Clear**.

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

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

Calendar

The calendar helps you keep track of appointments, birthdays or meetings. It can even sound an alarm when it's time for you to make a call or go to a meeting.

Warning: 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

1. Press **Menu** 8 (**Calendar**)

2. If you are not in a digital network, you will be prompted to set your phone's time and date

   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**

   Note: Time format (24-hour or am/pm) is set using the Clock. See "Clock" on page 36.

   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 the scroll keys to move the cursor left and right. When you enter a digit, it writes over the number to the right of the cursor.

3. Your phone now displays the current day. You can also scroll to different days.

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

Option 1: View day notes

With this option, you can view the notes of the day currently on display. (If there are no notes associated with the day, **No notes for selected day** appears.) 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.

*Note: See "Entering text 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 notes

This allows you to view the notes of the entire calendar. 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**.

Note: This option is necessary only if network date and time is not available. See "Clock" on page 36.

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.

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 or function properly.

However, you can use the feature code manually, if you choose, by including the feature code in front of the phone number to which you wish to forward your calls (for example, *72 555 1212).

See "Network feature setting" on page 61 for more details.

If the code you store is not correct, the Call fowarding feature will not work.

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

2. Scroll to desired call forwarding feature (*see options below*)

3. Press **Select**

4. Highlight **Activate** and press **OK**

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

6. 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 61*)

7. 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 made 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.
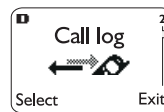
Using call log

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

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

    2-1 **Missed calls** - *See page 58.*

    2-2 **Received calls** - *See page 70.*

    2-3 **Dialed calls** - *See page 40.*

    2-4 **Clear call lists** - *See page 35.*

    2-5 **Call timers** - *See page 31.*

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

Call log options

When you access **Dialed calls**, **Received calls**, or **Missed calls** and press **Options**, a list of options will appear.

Call time shows the date and time when the call was first connected (if clock has been set)

Use number allows you to view the number stored in the call log, save it in your phone book, or dial the number by pressing (TALK).

Save allows you to save the number into your phone book.

Erase will erase the number from the call list.

Call restrictions

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

Note: See "Restricting calls" on page 71 for details.

Call settings

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

Using call settings

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

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

   4-1-1 **Emergency key 9** - *See page 42.*

   4-1-2 **Automatic redial** - *See page 24.*

   4-1-3 **Calling card** - *See page 33.*

   4-1-4 **Anykey answer** - *See page 24.*

   4-1-5 **Minibrowser confirmation** - *See page 57.*

   4-1-6 **Incoming data/fax call** - *See page 100.*

Call timers

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

```
┌─────────────────────┐
│ ▣              2-5   │
│ Call                 │
│ timers               │
│                      │
│                      │
│ Select         Back  │
└─────────────────────┘
```
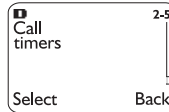
1. Press **Menu** 2-5 (**Call log** - **Call timers**)

2. Scroll repeatedly to access the following options

   Last call displays the duration of the last call.

   Note: **Current call timer** *can be accessed by pressing* **Details** *while using the* **Last call** *timer. See page 39 for details.*

   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 cannot be reset (see *page 49*).

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

Call durations are for the currently-selected NAM (phone number). Your phone has separate timers for each NAM your phone uses.

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.*

Note: *See "NAM selection" on page 59 for details on NAM.*

Call waiting

If you have subscribed to call waiting, your phone will beep during a call to let you know you have an incoming call. Your phone may also display the incoming caller's identification

See "Caller ID" on page 32 for details on caller ID.

Answering an incoming call with call waiting

Press (TALK)

Swapping between two calls

Press ⓣ(TALK)

Ending the calls

Press ⓔ(END) 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 or function properly until the feature code has been stored.

Note: See "Network feature setting" on page 61 for more details.

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

2. Scroll to **Activate** (or select **Cancel** to cancel)

3. Press **OK**

4. 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 61*)

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

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 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.

Note: If you have stored a number more than once in your phone

book, and that number is stored each time with a different name, then a name will not appear when someone calls from that number.

Note: See "Phone book" on page 64 for details on your phone book.

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.

```
┌─────────────────────┐
│ ◻         4-1-3     │
│ Calling             │
│ card                │
│                     │
│          Card A     │
│ Select       Back   │
└─────────────────────┘
```
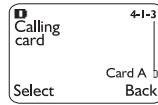
Storing a calling card

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

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

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

4. Enter security code and press **OK**

Note: See "Security code" on page 75 for details on your phone's security code.

5. Press **Select** at the **Dialing sequence** prompt. Use the following chart to determine the dialing sequence required by your long distance provider. Scroll to the appropriate sequence for your card.

   Press **Select** to confirm your choice.

If you use a calling card from:*	You typically are required to:	Select this dialing sequence:
MCI, AT&T True Choice, Sprint Canada, Unitel	Dial 1-800 access number, then phone number, then card number (+ PIN if required)	**Access no. + phone no. + card no.**
networkMCI, WorldPhone MCI	Dial 1-800 access number, then card number (+ PIN if required), then phone number	**Access no. + card no. + phone no.**
GTE, PacBell, AT&T, Stentor	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)	**Prefix + phone no. + card no.**

*Note: *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.*

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

6. 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 scroll to find the number.*

7. 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**?

8. Scroll to display **Card name** and press **Select**. Enter card name using your phone's keypad, then press **OK**.

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

Choosing a calling card to use

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

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

3. Scroll to highlight **Select** and press **OK**

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

5. 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 (TALK) for a few seconds until your phone displays **Card call**.

When you see **Wait for tone, then press OK**, listen for the tone, then press **OK**. When you see **Wait for tone, press OK again**, listen for the tone, then press **OK**.

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.

Change lock code

This feature allows you to change your lock code.

See "Changing your lock code" on page 51.

Change security code

This feature allows you to change your security code.

See "Changing your security code" on page 76.

Clear call lists

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

Note: Also, see "Call log" on page 29.

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

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

Note: When the Dialed calls list is cleared, the shortcut list (the list that appears when you presss ⬭TALK and a scroll key) is also cleared.

Clear timers

This feature clears all call timers (except the life timer) for the currently-selected NAM. The list of the last 10 dialed numbers is also cleared (this is the list that appears when you press <Talk> then <Scroll>).

Note: See "Call timers" on page 31 for more details.

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

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

Caution: Clearing call timers cannot 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 cannot be reset. See "Life timer" on page 49 for details.

Clock

Your phone contains a real-time clock that can be set two different ways: the clock can use the time and date information provided by the wireless system, or it can be set manually.

```
┌─────────────────────────┐
│ ▣              4-2-1     │
│ Clock                    │
│                          │
│               01:10 am   │
│ Select            Back   │
└─────────────────────────┘
```
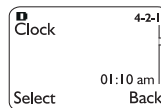
The clock will display the current time and date on the start screen. You can also choose to hide the clock if you prefer *See "Displaying or hiding the clock" on page 38."*

Note: Your phone also features an alarm clock. See page 22 for details.

By default, the clock gets its information from the wireless network. If you wish to override the network clock, do the following:

Manually setting the clock

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

2. Scroll to **Time settings**, then press **Select**.

3. Scroll to **Set clock**, then press **Select**.

4. Enter the current time. For example, to enter 7:30, enter 0730. Press **OK**.

5. Scroll to **am** or **pm**, then press **OK.**

Selecting time format

If you choose **am/pm** format, you will notice a small indicator that appears to the right of the displayed time. If the indicator is at the top, it's in am; if on the bottom, it's in pm.

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

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

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

4. Press **OK**

If you wish to revert back to the wireless system's time, do the following:

Allowing the network to set the clock

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

2. Scroll to **Time settings**, press **Select**

3. Observe the text: **Set by network**, press **Select** again

If you choose **Set by network**, your phone will display **Time is set**.

Note: If you use the Set by network option while outside your digital network, you will be prompted to enter your own time (see above). Network time will replace the time and date you set once you re-enter your digital network.

Note: If your battery has been removed or has drained outside the digital network, you will be prompted to enter your own

time only if the battery is replaced or recharged while still outside of the digital network (see above).

Displaying or hiding the clock

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

2. Depending on the current settings, either **Hide time/day** or **Show time/day** will be highlighted.

3. Press **Select**

Conference call

This feature allows you to add a third party to a call.

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

Making a conference call

1. While in a call, enter the second phone number and press (TALK)

   Note: You can also make a third party call using the in-call menu. While in a call, press Options and scroll to New call. Enter the number you wish to call and then press **OK**.

2. Once the third party answers, press (TALK) to connect all three parties

3. Press (TALK) again if you wish to disconnect the third party. Press (END) to drop both parties.

Recalling a number from the phone book during a conference call

1. During the call, press **Options**

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

3. Press **Select** at **Search**

4. Enter name and press **OK**, or just scroll through the phone book

5. Press (TALK)

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 (the display will also clear automatically after 10 seconds).

Note: Also, see "Call timers" on page 31.

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**

Note: As with all call timers, 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.

Customize profiles

This feature allows you to customize individual profiles.

Note: See "Profiles" on page 69 for details.

Custom Tone

This feature allows you to assign a special ringing tone to an entry in your phone book. When that person calls you, you'll be able to quickly identify the person based on the special tone you hear.

- In order to use this feature, Caller ID must be available and active in your phone.

- You can assign a custom tone to as many as 20 entries in your phone book.

- If you have selected the Silent profile (**Menu** 3), your phone will not ring with a normal tone or a custom tone.

1. In your phone book, find the entry to which you want to assign the custom ringing tone.

2. Press **Details**, then **Options** (or, if the scrolling view for your phone book is set to **Name+number**, just press **Options**).

3. Scroll to **Custom tone**, then press **Select**.

4. Scroll through the list of ringing tones until the desired tone is highlighted.

   - If you wait a moment while a tone is highlighted, you'll hear the tone.

   - To "remove" the custom tone from the entry, select **Default**.

5. Press **OK**.

Data and fax calls

Note: This feature is available only if your service provider's network supports data and fax calls. Data and fax calls may also require that you subscribe to these additional services. Please check with your service provider before sending or receiving data or fax calls.

Your phone can function as a fax/modem when connected to your PC or laptop computer via the optional data cable. You must also have the appropriate fax or data software installed and configured to send and receive data or faxes. *(See "Data and Fax Calls" on page 100 for more information).*

Dialed calls

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

```
┌──────────────────────┐
│ ▣              2-2   │
│ Dialed               │
│ calls                │
│                   ⌐  │
│                      │
│                      │
│ Select         Back  │
└──────────────────────┘
```

1. Press **Menu** 2-3 (**Call log - Dialed calls**)
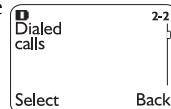
2. Scroll until the number appears.

3. Press (TALK) to dial the number.

You can also access the last 10 dialed numbers if you press (TALK) once, then scroll through the list.

Also, see "Call log" on page 29 for details on other call lists.

Dialed calls options

See "Call log options" on page 30.

Earpiece volume

During a call, you can adjust the listening volume of your phone's earpiece by pressing ⌄ or ⌃ .

Note: See "Volume" on page 86 for details.

Emergency calls

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

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

3. Press (TALK)

Note: Your phone changes to emergency call mode. If you choose to exit this mode, emergency operators may not be able to contact you. Keep your phone in emergency call mode until emergency personnel arrive on the scene. In emergency call mode, some menu items may not be available.

4. To exit emergency call mode, at the start screen, press **Exit**. When the question **Restore normal service?** appears, press **OK**.

IMPORTANT!

This phone, like any cellular phone, operates using radio signals, cellular and landline networks, as well as user-programmed functions which cannot guarantee connection in all conditions. Therefore, you should never rely solely upon any cellular phone for essential communications (for example, 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 (TALK). 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 (unless Keyguard is activated). This feature is also disabled while playing games, using the calculator, or editing (such as when using the Minibrowser or editing a phone book entry).*

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**.

Entering text and numbers

Note: *If you're able to send mobile messages from your phone, you can use the predictive text input method to write the message. See 'Predictive text input' on page 92.*

You can enter text and/or numbers when storing information into your phone via 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	(7pqrs)	PQRS7
(2abc)	ABC2	(8tuv)	TUV8
(3def)	DEF3	(9wxyz)	WXYZ9
(4ghi)	GHI4	(0)	<space>, 0
(5jkl)	JKL5	(* +)	*(See below for details)*
(6mno)	MNO6	(# ◇)	Changes letter case (ABC/abc); long press toggles between letter mode (ABC/abc) and number mode (123)

While you're editing a name, ⌃ moves the cursor to the left, and ⌄ moves it to the right. To clear the character to the left of the cursor, press **Clear**. To clear all characters, press and hold **Clear**.

To enter a space, press (0).

ABC/abc mode (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, or press and hold the key for the same result.

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** or **abc** mode and the **123** icon will appear. While in this mode, only numbers can be entered. Letters cannot 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)

While in **ABC** mode (*see page 22*), you can quickly enter a commonly used special character (**. , ' ? @ -**) by pressing ⊙ until the character appears.

To display a list of all special characters, press ⊙ . Scroll to highlight the character, then press **Insert**.

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

TIP: To quickly highlight a special character that appears toward the end of the list, press ⌃ .

Special Characters (for storing and calling numbers)

The following special characters are helpful when you store numbers to your phone book (*see page 64*). 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 80*).

> (**w**) creates a "wait" when a number is dialed. The "**w**" makes your phone wait for you to press **Send** or ⊙, then it sends the digits located to the right of the "w" as touch tones (*see page 80*).

You can add as many special characters as you need in a single number sequence.

Erasing mobile messages

You can erase all mobile (text) messages quickly and easily from the **Text messages** menu (**Menu** 0-1-1-5).

Erase options for your phone book

See "Erasing one entry from the phone book" on page 67 and "Erasing all entries from the phone book" on page 67.

Fax calls

Note: This feature is available only if your service provider's network supports data and fax calls. Data and fax calls may also require that you subscribe to these additional services. Please check with your service provider before sending or receiving data or fax calls.

Your phone can function as a fax/modem when connected to your PC or laptop computer via the optional data cable. You must also have the appropriate fax software installed and configured to send and receive data or faxes. *See "Data and Fax Calls" on page 100 for more information.*

Games

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

Note: 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 bottom right to top left. Press the ∗ key to jump left over revealed pictures or move from top left to bottom right. Once found, pairs stay visible.

Snake

Feed the snake with as many goodies as possible and watch it grow. Use keys 2 (up), 4 (left), 6 (right), and 8 (down) to turn the snake toward food. The snake can only turn 90 degrees at a time.

The more goodies the snake eats, the higher the score. Using a higher level of difficulty increases the snake's speed but also increases the point value for each goodie. If the snake hits its own tail or the surrounding wall, the game is over.

You can also try using keys 1 (up and left), 3 (up and right), 7 (down and left), and 9 (down and right) to control the snake's direction.

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.

Dice

Use this to play other games that require a set of dice if one isn't available. Use the **Level** option to set the number of dice, up to six. You can roll, lock, and unlock each die as many times as you wish.

When you start a new game, the dice roll for a couple of seconds and then stop. Use the 4 (left) and 6 (right) keys to select a die. Press the 5 key to lock or unlock the

selected die.

Press ✳ to roll the unlocked dice again.

Game options

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

Level allows you to choose the level of difficulty, except for Dice, which selects the number of dice you wish to play with.

New game starts a new game.

Top score will display the selected game's highest score ever played with your phone (*does not appear in Logic or Dice*).

Instructions will describe how the game is played.

Last view may appear in the options list when the game ends.

Continue may appear in the options list if the game is interrupted (for example, by an incoming call or when you press ⓔⓝⓓ).

Inbox

When you receive a mobile message, it's stored in the Inbox. Your phone will display **Message received**, along with the mobile message icon, and you will hear a tone (unless you are in a call). Press the **Read** softkey to read messages. See 'Receiving mobile messages' on page 89.

In-call menu

While you're in a call, you may notice that **Options** appears on your display. Pressing this key will access you to the in-call menu, which allows you access to certain features while you have a call active.

When you access the in-call menu, you may notice the following choices:

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

Touch tones Allows you to manually enter a touch tone

string or search for one in your phone book *(see "Phone book" on page 64)*

Menu Allows you access most of your phone's menu

Names Allows you access to your phone book *(see "Phone book" on page 64)*

New call Allows you to place the call to the third party when making a conference call *(see "Conference call" on page 38)*

Keyguard

This feature disables the keypad to protect against accidental keypresses.

Note: See "Keyguard" on page 20 for more details.

Keypad tones

This is one of the settings in your phone's profiles (*see page 69*). 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

1. Press **Menu** 3 (**Profiles**)

2. Your phone lists each profile. Scroll to the profile you want and press **Options**.

3. Highlight **Customize** and press **OK**. Scroll to **Keypad tones** and press **Select**

4. Scroll through the options; your phone plays a sample of each tone. 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.

```
┌────────────────────┐
│ ▯            4-2-5-1 │
│ English          ? │
│ Français           │
│ Español            │
│ OK            Back │
└────────────────────┘
```

Choosing a language for your phone

1. Press **Menu** 4-2-5 (**Settings** - **Phone settings** - **Language**)

2. Scroll to the language you wish to use and press **OK**

Last call timer

This feature displays the duration of your last call.

Note: See "Call timers" on page 31.

Last number redial

When you want to call your last dialed number,

Press (TALK), then (TALK) again

Note: You must be at the start screen before you press (TALK)

Letter case

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

Note: See "ABC/abc mode (Changing letter case)" on page 43 for more details.

Life timer

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

Press **Menu** 2-5-3 (**Call log** - **Call timers** - **Life timer**) to view your phone's life timer.

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.*

Also, see "Call timers" on page 31.

Lights

This is one of the settings in your phone's **Handsfree**
profile (*see page 69*). 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 handsfree device.

1. Press **Menu** 3 (**Profiles**)

2. Your phone lists each profile. Scroll to the profile
    you want and press **Options**.

Note: **Handsfree** *will not appear in the list until the phone has
been connected to a handsfree device at least one time.*

3. Highlight **Customize** and press **OK**. Scroll to **Lights**
    and press **Select**.

4. 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 handsfree device.

Listen to voice messages

If you have a voice mail account with your service
provider, this feature allows you to access your voice
messages.

Note: *See "Voice messages" on page 83 for complete details.*

Lock code

You'll need the lock code to activate and deactivate
Phone Lock (*see page 67*), or to change your lock code.
The default lock code is 1234 (or the last four digits of
your phone number, depending on your service provider).
If you enter an incorrect lock code five times in a row,
your phone will prompt you for the security code (*see*

Changing your lock code

In a lock code, only numeric characters are accepted.

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

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

3. Enter new lock code, press **OK**

4. 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.

Note: See "Touch tone length" on page 80 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.

Note: Also, see "Phone book" on page 64.

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 mobile (text) messages, as well as composing your own welcome note.

Using messages

1. Press **Menu**, then **Select**

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

    1-1 **Text messages** - *See page 80.*

    1-2 **Voice messages** - *See page 83.*

    1-3 **Welcome note** - *See page 87.*

Message alert tone

This is one of the settings in your phone's profiles (*see page 69*). It sets the tone that your phone makes when you get a mobile (text) message.

Note: Also, see "Touch tone length" on page 80.

1. Press **Menu** 3 (**Profiles**)

2. Your phone lists each profile. Scroll to the profile you want and press **Options**.

3. Highlight **Customize** and press **OK**. Scroll to **Message alert tone**, then press **Select**.

4. 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 **Menu** and **Names** 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.

Minibrowser

Note: This feature is available only if your service provider's network supports wireless internet access. Your service provider may also require that you subscribe to this additional service. For more information, contact your service provider.

About the Minibrowser

Warning: Your phone must be switched on to use the Minibrowser. Do not switch on the phone when wireless phone use is prohibited.

Warning: Emergency Key 9 is disabled while you are in a Minibrowser session.

The Minibrowser lets you browse the internet for information such as stock quotes and weather. Browsing via the phone is not like browsing using a PC. Site providers usually present only the critical aspects of their site to wireless phone users, so they have removed most graphics.

When you start the Minibrowser and connect to a network, two icons appear in the display:

Minibrowser icon (you are in a Minibrowser session)

Active call icon (you are being billed accordingly)

After a certain period of inactivity, the Minibrowser disconnects from the network. For this reason, you may find that you are billed for several network connections

within a single session. This is normal and is designed to minimize your bill. Rates will vary according to your billing plan.

When the Minibrowser disconnects from the network, the active call icon ( ) disappears, but the Minibrowser icon ( ) remains. While you are in the Minibrowser you can still access pages stored in memory without being connected to the Internet. However, if you navigate to a page that is not stored in memory, a new Minibrowser session begins and you'll be billed accordingly.

Launching the Minibrowser

The first time you launch the Minibrowser, you go through a security setup process that takes 3 to 5 minutes (follow the on-screen prompts).

1. From the start screen, press **Menu**, then scroll to **Minibrowser**. The following message appears to remind you that you may be billed for the connection time. (You can disable this message. See 'Disable Minibrowser confirmations' on page 57.)

   Browsing may
   incur charges.
   Continue?
   (Yes)   (No)

2. Press **Yes**. After a few seconds, the Home Page appears. (Your menu may vary according to your service provider.)

   Home Page
   1 News
   2 Yahoo!
   3 Weather
   4 Finance
   5 Web site

   Note: To end the Minibrowser session at any time, press and
   hold ⬭ⁿ .

Minibrowser menu

While in the Minibrowser, press and release ⊚ (power key) to display the Minibrowser menu:

Help – Show a help page for the current site (accessible from some pages).

Home – Return to the Home page.

Bookmark page – Set a bookmark for the current page.

Show URL – Show the web address (Uniform Resource Locator) for the current page.

Restart – Return to the Home page and delete all stored pages.

Version – Show the version of Minibrowser software.

Advanced – Change server and encryption settings.

Exit Minibrowser – Exit the Minibrowser.

Switch off! – Turn off the phone.

About web page content

The following items may appear on web pages:

- numbered options (some options may not be numbered)
- links (embedded in content)
- input fields for text or numbers
- simple text

Navigating in the Minibrowser

Scroll through the menus and contents of a page

Press ⌒ (scroll key) to scroll through the menus and contents of a page and to see the content of pages that do not fit on one screen. To scroll quickly, press and hold the scroll key.

Go back (previous page)

To go back to a previous page, press ⓔⓝⓓ.

Go to the Home Page

- Press ⟨END⟩ repeatedly to move back through previously viewed pages until the Home Page appears
- OR, press and release ⊚ to display the Minibrowser menu, scroll to **Home**, then press **OK**

Activate an item (for example, a link)

- Press the appropriate number key on your phone's keypad (if the item on the page is numbered)
- OR, scroll to the item, then press the appropriate softkey (for example, to activate a link).

Softkeys

To navigate to different screens or select special functions, use the softkeys. The function of each softkey can change with each page and depends on each highlighted item.

◁ (Left softkey) - Usually selects the highlighted item, but its function may change depending on what you are doing.

▷ (Right softkey) - Usually selects a secondary option or displays a menu of secondary options.

Links

Links usually appear as items in a numbered list. Depending on its type, when activated, a link will:

- take you to another page or site
- make a phone call (Some sites support this feature. When you make the call, the browser connection terminates, but the page you were viewing is stored in memory. After you end the call, the page you were viewing is displayed again and you can continue browsing.)

Activate a link

1. Move the cursor until the desired link is highlighted.

2. Press the appropriate softkey. (If the link is a phone number, in some cases, you can also press (TALK) to make the call.)

Bookmarks

You can set a bookmark for a web page so that you can quickly go to that page later. (You may also be able to set bookmarks via a personal account at your service provider's web site.)

Set a bookmark

1. Go to the page for which you want to set a bookmark.

2. Press and release (O). The Minibrowser menu appears.

3. Scroll to **Bookmark page**, then press **Select**. (A message may appear asking you to confirm this action.)

Go to a bookmarked page

1. From the Home Page, scroll to **Bookmarks**, then press **Select**. A list of your bookmarks appears.

2. Select the bookmark that represents the page you want go to, then press **Select**.

Tip: A number is associated with each bookmark in the bookmark list. To quickly go to a bookmark, press and hold the appropriate number key.

End the Minibrowser session

- Press and hold (END).

- OR, Display the Home Page (If the Home Page is not currently displayed, press (END) repeatedly until it is displayed.) Press (END). **Exit Minibrowser?** appears. Press **Exit**.

- OR, press and release (O). Select **Exit Minibrowser**.

Disable Minibrowser confirmations

You can specify whether or not you want your phone to confirm your choice to connect to the web or exit the

Minibrowser session.

1. Press **Menu** 4-1-5. The following options appear:

    - **On connection** - Before connecting to the web, your phone prompts you to confirm your choice.

    - **On exit** - Before exiting the Minibrowser session, your phone prompts you to confirm your choice.

    - **Both** - Your phone prompts you to confirm your choice before connecting to the web and before exiting the Minibrowser session.

    - **Never** - Your phone never prompts you to confirm your choice.

2. Scroll to the appropriate option, then press **OK**.

Tip: *To prevent unintentional exiting of the Minibrowser session (such as when pressing repeatedly to move back through previously viewed pages), select* **Both** *or* **On exit***. This will ensure that a confirmation message appears before exiting.*

Note: *If you press and hold* (END) *, the Minibrowser session ends without confirmation, regardless of the Minibrowser confirmation setting.*

Missed calls

If Caller ID is available, your phone will keep track of the last 10 calls you have missed if you weren't around to answer the call. You can even find out what time they called.

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 call'

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

Note: *Number will be displayed only if caller ID is available.*

Missed call options

Note: *See "Call log options" on page 30.*

Checking the missed calls list anytime

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

When the **Forward if not answered** option in the Call Forwarding feature (*see page 28*) is selected, your phone will <u>not</u> treat the forwarded calls as missed calls.

Note: Also, see "Call log" on page 29 for details on other call lists.

Mobile messaging

See 'Receiving mobile messages' on page 89 and 'Sending mobile messages' on page 92.

NAM selection

The Number Assignment Module (NAM) is the phone's storage location containing the assigned phone number and other system information. This information is entered by your service provider when programming your phone when your phone is first activated.

In most systems, your phone can be activated in up to 2 different service areas (for example, one in Dallas and another in Chicago), 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 selection" on page 78*). The first phone number displayed with this menu is the currently selected number.

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

Selecting the NAM for your phone

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

2. Scroll until the phone number you want to use appears and press **OK**.

NAM update

The Number Assignment Module (NAM) in your phone
contains your assigned phone number(s) and other
system information that your service provider entered
during activation. The NAM update feature allows you to
easily activate or reactivate your phone without having
to go to your service provider. Updating the system
information in the NAM may improve your phone's
coverage and performance.

Depending on your service provider, your phone is either
automatically updated or you can manually initiate an
update. During updating, the message **Updating service...**
and the active call indicator 📞 may appear.

Automatic NAM update

While your phone's power is turned on, the network
periodically initiates automatic updating. Depending on
your service provider, you can choose to deactivate
automatic updating. To deactivate automatic updating,
press **Menu** 4-4-8 (**Settings** - **Network services** -
Automatic update of service) and select **No**.

Manual NAM update

Usually, you manually update your phone after talking
with your service provider's customer service
representative. To manually initiate an update, press
Menu 4-4-7 (**Settings** - **Network services** - **NAM
update**) and select **OK**.

Note: In some cases, when you try to connect to your
service provider, the following message may appear on
the display before the call is initiated.

> **'Lock' prevents the service provider from chang-
> ing the lock code. 'Unlock' allows the provider to
> change the code and restrict others from**

activating the phone.

If this happens, select the appropriate selection for your phone. If you don't want your service provider to change your lock code, select **Lock**. If you want to allow your service provider to change your code to prevent other service providers from activating your phone, press **Unlock**.

If you wish to do neither and want to return to the start screen, press and hold ⬭ (END) .

Note: This feature may not be available in all systems. Please contact your service provider for details about the availability of this feature.

Network feature setting

Call forwarding (*page 28*), **Call waiting** (*page 31*) and **Send own caller ID with next call** (*page 77*) 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.

Note: These feature codes may already be stored in your phone by your service provider. Check with your service provider to confirm if these codes are already configured in your phone.

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.

Storing feature codes

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

2. At **Feature code:**, enter the feature code or deactivation code received from your dealer (for example, ∗74 or ∗740), press **OK**

3. Scroll to the service that the code applies to and press **Select**

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

   (Use step four only for call forwarding options)

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

Network services

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

   4-4-1 **Voice privacy** - *See page 86.*

   4-4-2 **Call forwarding *** - *See page 28.*

   4-4-3 **Call waiting *** - *See page 31.*

   4-4-4 **Send own caller ID with next call *** - *See page 77.*

   4-4-5 **Network feature setting** - *See page 61.*

   4-4-6 **NAM selection** - *See page 59.*

   4-4-7 **NAM update** - *See page 60.*

   4-4-8 **Automatic update of service** - *See page 60.*

* *These features will not appear in the menu unless they are activated using* **Network feature setting**. *See "Network feature setting" on page 61 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 64*) 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: Key 1 is reserved for your voice mailbox (see page 83). Key 9 is reserved for emergency calls (see page 113). Some service providers may also program a third key for their use (for example, a Customer Serivce phone number).

Assigning one-touch dial locations

1. Press **Names,** scroll to **1-touch dialing** and press **Select**

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

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

4. Repeat as necessary

Calling a number using one-touch dialing

Press and hold the key (2 through 8) for about two seconds to call the number in the corresponding one-touch dial location. You can also press the key and then ⓉALK if you prefer.

Your phone recalls the phone number from the memory, displays it briefly, then dials it.

Changing numbers in one-touch dial list

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

1. Press **Names,** scroll to **1-touch dialing** and press **Select**

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

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

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

Erasing one-touch dial locations

1. Press **Names,** scroll to **1-touch dialing** and press **Select**

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

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

Paging

If your service provider supports paging, you can receive pages with your phone. A page is a special type of mobile message. See 'Receiving mobile messages' on page 89.

Phone book

About the phone book

The phone book lets you quickly make a call by selecting a name from a list of up to 200 entries. An entry consists of a name and phone number. You can also associate an email address with an entry, for use when addressing a mobile message.

Adding an entry to the phone book

Tip: To quickly create an entry, simply enter a phone number at the start screen, press **Save***, then go to step* **3***.*

1. Press **Names**.

2. Scroll to **Add new**, then press **Select**.

3. Enter a name (16 characters maximum), then press **OK**. See "Entering text and numbers" on page 42.

Note: You can't associate the same name with two different entries: for example, **John** *and* **John***. Instead, create entries for* **John H** *and* **John W***. If you try to use a name that already exists,* **Replace? <name of existing entry>** *appears. To replace the existing entry, press* **OK***. To return to the previous screen, press* **Back***.*

4. Enter a phone number (32 digits maximum), then press **OK**.

Note: When you remove the battery, entries are NOT lost; they are retained in memory.

Associating an email address with an entry

You can associate an email address with an entry in your phone book. Later, when addressing a mobile message,

you can quickly enter the email address by selecting the name in your phone book.

1. At the start screen, display the list of phone book entries by pressing ⌄ , then scroll to a phone book entry.

2. Press **Details**, then **Options** (or, if the scrolling view for your phone book is set to **Name+number**, just press **Options**).

3. Scroll to **E-mail**, then press **Select**.

4. Enter the email address (48 characters maximum), then press **OK**.

The presence of an email symbol (@) in the top right corner of the screen indicates that an email address is associated with the highlighted entry.

Accessing the phone book

To quickly display the list of entries in your phone book:

1. Display the start screen (press and hold (END)).

2. Press ⌄ or ⌃ . Scroll in either direction.

Finding a name in the phone book

There are two ways to find a name in your phone book:

• **Scroll** - At the start screen, press ⌄ or ⌃ to view a list of names in the phone book. Scroll to the desired name.

Tip: To quickly scroll to a name, press the appropriate number key. For example, to quickly scroll to **Mom** *(the letter* **M***), press* (6mno) *. To scroll to* **Nancy** *(the letter* **N***), press* (6mno) *twice.*

• **Search** - Press **Names**. The menu item **Search** appears highlighted by defaul. Press **Select**. Enter the desired name. Press **OK**. If you entered only the first letter of the name and several names begin with the same letter, scroll until the desired name appears.

Calling a number in the phone book

1. Highlight the name in the list of phone book entries. See 'Finding a name in the phone book' on page 65.

2. Press ⬭(TALK). Your phone dials the number associated with the name and displays the dialed number on the screen.

Phone book options

To display a list of phone book options, press **Names**. Scroll to one of the following items, then press **Select**.

- **Search** allows you to search for a name.

- **Add new** allows you to add an entry (name and phone number) to your phone book.

- **Options** lets you choose the format of your scrolling view and check the status of your phone book memory (the number of entries you have created).

- **1-touch dialing** (speed dialing) allows you to assign a phone number to a one-touch dial location. See 'One-touch dialing' on page 62.

- **Erase all** lets you erase every name and number in your phone book. See 'Erasing all entries from the phone book' on page 67.

- **Own Number** displays your own phone number.

Editing a name and number

1. Highlight the name in the list of phone book entries. See 'Finding a name in the phone book' on page 65..

2. Press **Details**, then **Options** (or, if the scrolling view for your phone book is set to **Name+number**, just press **Options**).

3. **Edit** appears highlighted by default. Press **Select**.

4. Edit the name, then press **OK**.

5. Edit the number, then press **OK**.

Editing an email address

1. Highlight the name in the list of phone book entries. See 'Finding a name in the phone book' on page 65.

2. Press **Details**, then **Options** (or, if the scrolling view for your phone book is set to **Name+number**, just

press **Options**).

3. Scroll to **E-mail**, then press **Select**.

4. Edit the email address, then press **OK**.

Erasing one entry from the phone book

Caution: This procedure cannot be undone.

1. Highlight the name in the list of phone book entries. See 'Finding a name in the phone book' on page 65.

2. Press **Details**, then **Options** (or, if the scrolling view for your phone book is set to **Name+number**, just press **Options**).

3. Scroll to **Erase**, then press **Select**.

4. A confirmation message appears: **Erase?**.

5. Press **OK**.

Erasing all entries from the phone book

Caution: Performing this procedure erases your entire phone book! This procedure cannot be undone.

1. Press **Names**.

2. Scroll to **Erase all**, then press **Select**. A confirmation message appears: **Are you sure?**

3. Press **OK**.

4. Enter your security code, then press **OK**.

Phone lock

This feature protects your phone from unauthorized outgoing calls or unauthorized access to information stored in the phone.

With phone lock activated, **Phone locked** will be displayed each time you turn your phone on or off. You will be prompted for your lock code when you press either **Names** or **Menu** (**Call not allowed** will be displayed if you attempt to place a call while phone is locked). Once your lock code has been accepted, your phone will function normally.

Activating and deactivating 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** or **Off**, and press **OK**. Complete the phone lock activation or deactivation by turning your phone off and back on.

When your phone is locked, calls may be possible to an official emergency number (for example, 911) programmed into your phone including calls with Emergency key 9 (*page 42*).

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 (S*ee page 81 for details*).

Answering a call with phone lock on

Press any key except ⌘ and ⓪ .

*Note: This assumes that Anykey answer (***Menu** 4-1-4*) is set to* **On**.

Phone settings

Phone settings allows 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 60.*

4-2-3 **Touch tones** - *See page 80.*

4-2-4 **Restore factory settings** - *See page 71.*

4-2-5 **Language** - *See page 49.*

Profiles

You can adjust and customize your phone to whatever environment you find yourself in (for example, shopping mall, movie theater, etc.). Each profile uses its predefined settings to determine your phone's ringing volume, ringing tone, message alert tone, keypad tones, warning tones, etc., for a number of different environments.
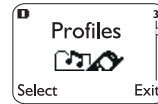
These settings can be changed at any time, and each profile can be selected in a matter of seconds.

Note: Restore factory settings (see page 71) will reset any changes made in profiles back to the factory defaults. The default setting is **Normal**.

Selecting a profile

Quickly press the ⊚ key to view a list of the available profiles. Scroll to the profile and press **OK**.

When you select a profile other than **Normal**, it will appear on the start screen.

This only allows you to select a profile; you cannot customize them here. Keep reading to learn how to customize a profile.

Customizing profiles and other options

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

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

Select activates the profile.

Customize allows you to customize a profile by changing its settings. When you reach one of the following settings within a profile, press **Select**. Once you make your choice within that setting, press **OK**.

- **Ringing options**

- **Ringing volume**

- **Ringing tone**

- **Vibrating alert**

- **Keypad tones**

- **Warning and game tones**

- **Message alert tone**

- **Lights** *(appears only in* **Handsfree***)*

- **Automatic answer** *(appears only in* **Handsfree** *and* **Headset***)*

Rename allows you to rename certain profiles.

Note: **Handsfree** *and* **Headset** *will not appear in the profiles list unless your phone has been connected to a handsfree device or a headset. However, they will remain in the menu once connected for the first time.*

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

Renaming profiles

1. Press **Menu** 3 (**Profiles**)

2. Scroll to desired profile, then press **Options**

3. Scroll to **Rename** and press **OK**

4. Enter new name and press **OK** again

Note: **Normal**, **Handsfree**, *and* **Headset** *profiles cannot be renamed.*

Received calls

If Caller ID is available, this feature shows you the phone numbers of the 10 most recent calls you've answered. Press **Menu** 2-2 (**Call log** - **Received calls**), then scroll the list of numbers.

Note: Also, see "Call log" on page 29 for details on other call lists.

Received calls options

See "Call log options" on page 30.

Restore factory settings

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

Restoring factory settings

Press **Menu** 4-2-4 (**Settings** - **Phone settings** - **Restore factory settings**), enter your phone's security code and press **OK**.

Note: Your phone book, timers, language selection, security code and lock codes are not reset. However, any profiles you have modified will reset when you restore your settings. Plus, if you are using your phone's clock [versus using the network provided clock] it will reset as well.

Renaming profiles

See "Profiles" on page 69.

Restricting calls

This feature allows you to restrict incoming and outgoing calls based on a list of phone numbers that you create.

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

Adding a call restriction

You can add up to 10 restrictions for outgoing calls, and 15 for incoming calls. The maximum number of characters you can enter for each restriction is 15.

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

2. Scroll to **Restrict outgoing calls** or **Restrict incoming calls** and press **Select**

3. Enter the security code and press **OK**

> *Note: The message "Caller ID must be available" will display prior to creating an incoming call restriction.*

4. Scroll to **Add restriction** to create an outgoing or incoming call restriction and press **OK**

5. 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

    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

6. If you wish to enter a name for the call restriction, enter the name using your phone's keypad, then press **OK**. If a name is not entered, the number that is restricted will appear in place of the name.

> *Note: When creating a new restriction, that restriction is automatically selected (enabled) at the time it is saved.*

Selecting a call restriction

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

2. Scroll to **Restrict outgoing calls** or **Restrict incoming calls** and press **Select**

3. Enter the security code and press **OK**

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

5. Scroll to each restriction you wish to use and press **Mark**; press **Unmark** to deactivate existing restrictions

6. Press **Back** and then press **Yes** at **Save changes?**

Editing a call restriction

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

2. Scroll to **Restrict outgoing calls** or **Restrict incoming calls** and press **Select**

3. Enter the security code and press **OK**

4. Scroll to **Edit** and press **OK**

5. Scroll to the restriction you wish to edit, press **OK**

   Note: If no name has been entered for a restriction, the restricted number will be displayed.

6. Edit the restriction, then press **OK**

7. Edit name if desired using same procedure as above

Erasing a call restriction

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

2. Scroll to **Restrict outgoing calls** or **Restrict incoming calls** and press **Select**

3. Enter the security code and press **OK**

4. Scroll to **Erase** and press **OK**

5. Scroll to the restriction you wish to erase, press **OK**

6. Press **OK** again to erase restriction

Note: The All calls option cannot be erased and therefore does not appear in the list of restrictions to be deleted.

Ringing options

This is one of the settings in your phone's profiles (*see page 69*). It allows you to choose whether or not your phone rings, beeps, or remains silent when someone calls you. This feature does not affect incoming mobile (text) message alert tones or incoming data/fax calls (*see page 80*).

Selecting ringing options

1. Press **Menu** 3 (**Profiles**)

2. Your phone lists each profile. Scroll to the profile you want and press **Options**.

3. Highlight **Customize** and press **OK**. Scroll to **Ringing options**, then press **Select**.

4. Highlight either **Ring**, **Ascending**, **Ring once**, **Beep once** or **Silent** and press **OK**

Note: The Ascending ringing option plays the selected ringing tone at a low volume, then gradually increases in intensity with each ring.

Ringing tone

This is one of the settings in your phone's profiles (*see page 69*). It allows you to choose one of the many ringing tones your phone uses for incoming voice calls.

If you set **Ringing Options** (*see page 72*) to **Silent** or **Beep once**, ringing tones are automatically disabled; however, incoming calls can still be received.

Selecting ringing tones

1. Press **Menu** 3 (**Profiles**)

2. Your phone lists each profile. Scroll to the profile you want and press **Options**.

3. Highlight **Customize** and press **OK**. Scroll to **Ringing tone**, then press **Select**.

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

Ringing volume

This feature, which is found within your phone's profile settings, allows you to adjust your phone's ringing volume.

Note: See "Volume" on page 86 for details.

Saved

This is where saved mobile (text) messages are stored.

See "Receiving mobile messages" on page 89 for details.

Scrolling view

You have 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 the list. **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. Scroll to view other names.

Name only shows individual names only on a full screen display. Scroll to view other names. To view the corresponding phone number, press **Details**, then scroll the list.

Selecting your scrolling view

1. Press **Names**

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

3. Press **Select** at **Scrolling view**

4. Scroll to **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 71.*
>
> 4-3-2 **Access codes** - *See page 22.*

The **Access codes** submenu includes **Phone lock** (*page 67*), **Unlocked phone number** (*page 81*), **Change lock code** (*page 51*), and **Change security code** (*page 76*).

Security code

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.

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.

Your phone will prompt you for a five digit 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 entered digit by pressing **Clear** (or press and hold **Clear** to delete all the digits on your display). 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.

Changing your security code

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

2. Enter security code and press **OK**

3. Enter new security code at **Enter new security code:**, press **OK** (must be five digits)

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

5. Phone will display **Security code changed**

Send own caller ID with next call

In most service areas, when you call someone, their caller ID system allows them to see your name and phone number. Your phone is set to automatically allow this information to be seen. Before you make a call, you can choose to prevent this information from being seen. This is sometimes referred to as "blocking caller ID".

Warning: While roaming, you may not be able to block caller ID.

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 or function properly. Check with your service provider to confirm if the feature code has been pre-programmed for you. See "Network feature setting" on page 61 for more details.

This feature works on a per-call basis, so you must perform this procedure before each call that you make in order to block caller ID for that call.

1. Press **Menu** 4-4-4 (**Settings** - **Network services** - **Send own caller ID with next call**)

2. Highlight **Yes** (to show your number) or **No** (to not show it) and press **OK**

3. Enter the number you wish to call (or press **Search** to retrieve the number from the phone book), then press **OK**. Press **OK** again.

4. 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 61*)

Settings

This main menu allows you access to other features. See these individual entries for more information.

4-1 **Call settings** - *See page 30.*

4-2 **Phone settings** - *See page 68.*

4-3 **Security settings** - *See page 75.*

4-4 **Network services** - *See page 62.*

Storing a name and number

You can save names and numbers in the Phone book. Either use the method described in "Adding an entry to the phone book" on page 64 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**.

Note: To save the number without entering a name, press and hold Save for 2 seconds. The number will appear at the end of your phone book list.

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

Synchronization

Your phone supports synchronization of its phone book with many popular Personal Information Manager (PIM) programs (for example, Lotus Organizer, Microsoft Outlook, Symantec ACT!) by using 3rd party software.

Synchronization of contacts and phone numbers between your phone and PC will also require the optional DAU-9P serial cable. Check with your local Nokia dealer for the availability of these products.

System selection

About selecting a system

The System menu (**Menu** 5) allows you to customize the way your phone chooses a system in which to operate while you are "roaming" (using your phone outside of your primary or "home" system). Your choice of a system affects the type and amount of charges you incur. By default, your phone is set to automatically search for the most cost-effective system while roaming. If your phone can't find a preferred system, it uses a system based on the option you choose in the System menu.

Note: Before selecting an item in the System menu, contact your

service provider to find out how your selection will affect your service charges.

Roaming

Roaming is the condition of using your phone outside of its home area. While roaming, another service provider's system handles your call, so the service rate for the call is usually greater than the rate for calls made within your home area. While roaming, the word **Roaming** and the roaming indicator (▲) appear on the start screen.

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

Service Types

In each wireless service area there are usually two service providers referred to as type **A** and type **B**. When you first set up your wireless service account, your service provider will inform you of which system you will be using (usually type **B**). This is your home system. The other system (for example, type **A**) is known as a non home-type system.

System choices

Note: If you have more than one phone number (NAM), your choice affects only the currently selected NAM. See 'NAM selection' on page 59.

Note: System choices may differ according to service provider.

- **Home only** - Your phone cannot roam. This means you can make and receive calls in your home area only. While roaming, **No Service** appears and you will not be able to make or receive calls.

- **Automatic A** - Your phone searches for system **A**. If system **A** is not available, it searches for an available analog system.

- **Automatic B** - For most service providers, this is the default selection. Your phone searches for system **B**. If system **B** is not available, it searches for an available analog system.

- **Analog** - Your phone searches for an available analog system. If an analog system is not available, **No Service** appears. While **Analog** is selected, if you power your phone off and back on, your phone will automatically be reset to **Automatic B**.

Text messaging

See 'Receiving mobile messages' on page 89 and 'Sending mobile messages' on page 92.

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**).

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 during an active voice call.

Storing touch tone strings

Store touch tone strings the same way you store phone numbers (*see page 64*).

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,

1. Press **Options**

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

3. 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

1. Enter the phone number (for example, your office voice mailbox)

2. Press ✳✳✳ (p) or ✳✳✳✳ (w)

3. Enter the touch tone string (for example, voice mail-box password)

4. Store the number as you normally would

Note: See "Special Characters (for storing and calling numbers)" on page 44 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.

Unlocked phone number

When the phone lock is on, no calls can be made. But if you store a number in the unlocked phone number location, you can make a call to that number while the phone is locked.

Note: See "Phone lock" on page 67 for details on phone lock.

Storing the unlocked phone number

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

2. Enter lock code and press **OK**

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

4. Press **OK**

Note: Saving a new unlocked phone number will overwrite the old one.

Calling the unlocked phone number

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

*   At the start screen, press ∨ or ∧ once, then press (TALK)

*   OR, manually enter the phone number as it is stored and press (TALK).

Vibrating alert

This is one of the settings in your phone's profiles (*see page 69*). Your phone has an internal vibrating feature, so you can set your phone to vibrate when you receive a voice call.

Activating vibrating alert

1. Press **Menu** 3 (**Profiles**)

2. Your phone lists each profile. Scroll to the profile you want and press **Options**.

3. Highlight **Customize** and press **OK**. Scroll to **Vibrating alert**, then press **Select**.

4. Scroll to **On** or **Off** and press **OK**. If you choose **On**, your phone will vibrate even if you have set **Ringing options** (*see page 72*) to **Silent**.

Note: The vibrating alert does not work when your phone is connected to any charger or handsfree device. Also, if you

*have chosen the **Ring once** option for the profile you're using, the vibrating alert will only vibrate once when your phone rings.*

Voice mailbox number

This number dials your voice mailbox.

Note: See "Voice messages" in next section.

Voice messages

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

Once everything is set up for your voice mailbox (see next page), 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** 0-1-2-2 (**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.

Note: Some service providers automatically pre-program this number into your phone. You will only be able to view (and not change) this number.

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 (or press 1, then (TALK)). **Calling voice mailbox** will appear on the display. Or if you prefer, you can access your voice mailbox by pressing **Menu** 0-1-2-1 (**Messages – Voice messages – Listen to voice messages**).

Voice message notification

A caller who leaves you a voice message can specify a message priority level if the network supports this feature:

- **New voice message** - This is a normal priority message; it can be sent by anyone.
- **Urgent voice mail** - The person who sends this kind of message is requesting an immediate reply. This kind of message can be sent by anyone.
- **Emergency voice mail** - This kind of message can be sent only by a network operator or person in authority when life of property is threatened.

New voice message notifications overwrite older ones, regardless of priority level. For example, if **Emergency voice mail** is displayed and you receive a new voice message of normal priority, the emergency message notification will disappear and the **New voice message** notification will be displayed.

Clearing the voice message icon

In most networks, the voice message icon will automatically be cleared a few seconds after listening to your last new message. If the network in which you are

currently using your phone does not automatically clear the voice message icon, you can manually clear the icon. To clear the icon, press **Menu** 0-1-2-3 (**Messages** - **Voice messages** - **Clear voice message icon**), then press **Clear**.

Voice privacy

> *Note: Availability of this feature depends on your arrangement with your service provider and the network's ability to support the feature.*

Some service provider's networks can encrypt the signal transmitted during a phone call to ensure others are unable to listen to your conversation. By default, the voice privacy setting on your phone is set to **Off**. To turn it on, press **Menu** 4-4-1 (**Settings** - **Network services** - **Voice privacy**). Scroll to **On**, then press **OK**.

During a call, if voice privacy is lost, your phone sounds two short beeps.

Volume

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

Earpiece volume

While in a phone call, you can adjust the listening volume for your phone's earpiece. The top scroll key increases while the bottom one decreases the volume.

If an accessory like a headset or a handsfree device, 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.*

Ringing volume

This is one of the settings in your phone's profiles (*see page 69*). It sets the default ringing volume for incoming voice calls and message alert tones.
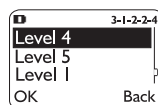
Setting the ringing volume

1. Press **Menu** 3 (**Profiles**)

2. Your phone lists each profile. Scroll to the profile you want and press **Options**.

3. Highlight **Customize** and press **OK**. Scroll to **Ringing volume**, then press **Select**.

4. Scroll through the options. When you hear the volume level you wish to use, press **OK**.

Warning and game tones

This is one of the settings in your phone's profiles (*see page 69*). Warning and game tones include those sounds your phone makes for conditions such as errors, confirmations, power on, battery low, and recharge battery, or sounds made during game play.

Turning warning tones on and off

1. Press **Menu** 3 (**Profiles**)

2. Your phone lists each profile. Scroll to the profile you want and press **Options**.

3. Highlight **Customize** and press **OK**. Scroll to **Warning and game tones**, then press **Select**.

4. 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 (for example, hello, your name, a reminder, etc.). The maximum length is 36 characters.

1. Press **Menu** 0-1-3 (**Messages** - **Welcome note**)

2. Enter new message or edit an existing one

3. Press **Options**

4. Scroll to **Save** or **Erase** and press **OK**

The welcome note appears each time your phone is switched on. Characters you enter are added to the left of the cursor. To delete characters to the left of the cursor, press **Clear**. To move the cursor, press ∨ or ∧ .

Note: See "Entering text and numbers" on page 42 for details.

6. Receiving mobile messages

Note: You can receive mobile messages if you have subscribed to the mobile messaging service offered by your service provider and the network in which you are using your phone supports mobile messaging.

About mobile messages

You can receive a message in the form of text that appears on your phone's screen. Messages are managed by your service provider's message center. The person who sends you a message usually sends it via another phone (one which allows the user to send and receive mobile messages) or through email on the internet.

A message consists of a header and a body. The header may contain the sender's address and the date that the message was sent. The body contains the main part of the message. If you receive a message that was sent via email, the message subject (title) may appear at the beginning of the message.

Messages are stored in folders:

- **Inbox** - Messages (whether read or unread) that you have neither erased nor saved.
- **Outbox** - Messages that you sent (if supported by your service provider).
- **Saved** - Messages that you have saved.

The sender may assign a priority level to their message:

- **Urgent**
- **Emergency** - Sent only by a network operator.

Your phone can store as many as 60 messages (memory is shared by all folders). The total number of stored messages depends on message length.

If your phone's memory is full when you receive a mobile (text) message, one or more existing messages will automatically be deleted to make room for the new message. The priority level assigned to the received

message determines which message is deleted:

- *Normal* (non-emergency) messages - When a normal message is received, the oldest read message in the Inbox is deleted.

- *Emergency* messages - When an emergency message is received, existing messages are deleted in the following order:
    - oldest read message in the Inbox
    - oldest message in the Saved folder
    - oldest unread message in the Inbox

If **No space: message waiting** or a similar notification message appears, delete one or more old messages to make room for the new message. The network will resend the message later.

When you receive a mobile message

When you receive a mobile message, the mobile message icon ▭ appears and **Message received** (or **New emergency message**) is displayed. Depending on the message alert tone setting, a tone may sound. See 'Message alert tone' on page 52.

To read the message, press **Read**. The Inbox appears with the new message selected. Press **Read** again. If necessary, scroll down to read the entire message. At the end of the message, scroll further to view the sender's name or phone number and the date and time the message was received. When you've seen the last new message, the ▭ icon disappears. While reading a message, you have several **Options:**

- **Erase** deletes the message. Press **OK** to confirm the deletion or **Back** to cancel.

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

- **Save** sends the message to the **Saved** folder.

- **Save address** allows you to save the sender's email

address into your phone book.

- **Use web link** allows you to direct the Minibrowser to a web address (URL) that appears in the body of the message. (Availability of the Minibrowser depends on your arrangement with your service provider.)

Erasing mobile messages

To erase the message you're reading, press **Options**, **Erase**. To erase multiple messages, press **Menu** 0-1-1-5. Press **Select**. Choose the type of message to erase.

7. Sending mobile messages

Note: You can send mobile (text) messages if you have subscribed to the mobile messaging service offered by your service provider and the network in which you are using your phone supports mobile messaging.

About mobile messages

You can use your phone to send mobile messages that can be addressed to email addresses and phone numbers. The recipient typically receives your message via:

- a **phone** that supports mobile messaging
- a **pager**
- the **internet** (through an email client)

Message folders

Message are stored in folders:

- **Inbox** - Messages that you have received (whether read or unread) and that you have neither deleted nor saved.
- **Outbox** - Messages that you have sent (or that you have created then saved, intending to send later).
- **Saved** - Messages that were in the Inbox or Outbox and which you saved.

Predictive text input

When composing a message, you can use the predictive text input method to quickly enter text. See 'Predictive text input' on page 95.

Templates

A template is a predefined, commonly used sentence that you can quickly insert into a message. See 'Templates' on page 98.

Message priority levels

You can assign an urgent priority level to a mobile

message. An icon or message should then appear on the recipient's phone (or other device) to indicate the high priority level of your message.

Delivery notification

When you send a message, you can request to be notified when the recipient receives the message. This notification is called a delivery note. If you addressed the message to more than one recipient, a separate delivery note appears for each recipient.

Creating a mobile message

There are different ways to create a mobile message:

- **Write** a **new,** blank message
- **Reply** to a received message
- **Resend** a message from the Outbox
- **Forward** a message

Writing a new, blank message

1. Press **Menu** 0-1-1-1 (**Messages** - **Text messages** - **Write new**). Select the type of message to send.

2. Address the message. See 'Addressing a mobile message' on page 94.

3. Press **Options,** then select **Edit message**. Edit (write) your message. The terms *writing* and *editing* both refer to the process of entering text into a mobile message. See 'Editing a mobile message' on page 95.

4. To send the message, press **Options,** then select **Send**.

Tip: If message delivery fails, you can resend the message. See 'Resending a message' on page 94.

Replying to a message

1. Read the message to which you want to reply.

- If you just received the message and a notification appears on the screen, go to the next step.

- If the message is in the Saved folder, press **Menu** 0-1-1-4 (**Messages** - **Text messages** - **Saved**). Scroll to the message.

2. Press **Read**.

3. Press **Options**, **Reply** (or **Reply w/ copy** if you want your reply to include a copy of the original message followed by the text of your reply).

4. Select the type of message for your reply.

Resending a message

1. In the Outbox, read the message that you want to re-send.

2. Press **Options**, then **Resend**. Settings such as **Urgency** and **Delivery note** that you chose for the original message are retained.

Forwarding a message

Messages in the Inbox or Saved folder can be forwarded.

1. Read the message that you want to forward.

2. Press **Options**, scroll to **Forward**, then press **Select**.

Addressing a mobile message

If the **Recipient(s)** field is empty, press **Back** to exit the message. If one or more characters is present:

- Press and *release* **Clear** to delete *one* character
- Press and *hold* **Clear** to delete *all* characters

To address a mobile message, enter as many as 5 email addresses in the **Recipient(s)** field. The maximum number of characters allowed in each email address is 48. A counter in the top right corner of the screen indicates the remaining number of characters allowed in the entire **Recipient(s)** field.

If the recipient's name is listed in the phone book and an email address is associated with their name, you can quickly enter their email address by searching for their name in the phone book. (See "Associating an email

address with an entry" on page 64.) To enter an email address from the phone book, press **Options**, then **Search**.

When entering an address manually, you can quickly enter the @ symbol by pressing ⊙ repeatedly until it appears.

When addressing multiple recipients, separate each address with a comma. If you use the **Search** feature, a comma is automatically entered after each address. To manually enter a comma, press ⊙ repeatedly until the comma appears, OR press ⊛, then select a comma from the list of special symbols.

Editing a mobile message

Caution: While editing a message, if you accidentally press and *hold* **Clear**, all text within your message will be deleted.

A message can contain 88 characters. A counter in the top right corner of the screen indicates the number of remaining characters that you can enter. You can use two different methods to enter text into the message:

- Traditional text input
- Predictive text input

Traditional text input

See "Entering text and numbers" on page 42 for more information.

Predictive text input

Note: The predictive text feaure is based on a built-in dictionary. Your phone includes several different language versions of this dictionary. Although your phone may be able to display a given language on the screen, it does not necessarily contain a predictive text dictionary of that same language.

Using the traditional text input method requires that you press some keys more than once. For example, to enter the letter "c", you must press **2 2 2**. When using predictive text input, your phone "guesses" which word you are typing, requiring that you press a key only once

for each letter you enter.

Activating predictive text input

Before you can use the predictive text input method, you must activate the feature. While editing a message, press **Options**, **Dictionary**, then choose any language. The predictive text input method is now available for use when editing.

Changing the language of the dictionary

While editing a message, press **Options**, **Dictionary**, then choose a language.

Writing words

When you begin editing a message, the predictive text icon ( ) appears at the top of the display, indicating that the phone is in predictive text input mode (the default mode). If the icon does not appear, predictive text input has been deactivated. To turn it on, press **Options**, **Dictionary**, then choose the desired input language.

To write a word, press each key only once for each letter of the word. For example, to write **hello**, press:

4ghi 3def 5jkl 5jkl 6mno

The characters that you enter appear underlined. The word changes after each keystroke, so try not to pay attention to how the word appears on the display until you have pressed all of the keys.

When you finish writing the word, check to ensure that the word is correct. If the word is correct, enter a space (press) and write the next word. If the word is incorrect and is underlined:

- Press repeatedly until the desired word appears.
- OR, press **Options**, **Matches**. Your phone displays a list of words. Choose a word from the list, then press **Use** or press **Back** to exit and return to the message editor.

If the **?** character appears after the word, there are no more words in the dictionary that correspond to your key

presses. At this point, you can add the word to the dictionary by pressing **Spell**.

Writing compound words

To quickly write a compound word (for example, bluejay):

1. Write the first part (**blue**).

2. Press ∨ (do not enter a space). The underline disappears from the first part.

3. Write the second part (**jay**).

Deleting characters

To delete *one* character to the left of the cursor, press **Clear**. To delete *all* characters in the message, press and *hold* **Clear**.

Changing the method of text input and the case of letters

Press ⊛ repeatedly to change the method of text input (traditional ✎ or predictive ⟶) and the case of letters that you enter (sentence case **Abc** , upper case **ABC** , or lower case **abc**). he phone cycles through the following modes:

- Predictive text input, sentence case: ⟶**Abc**
- Predictive text input, lower case: ⟶**abc**
- Traditional text input, upper case: ✎ **ABC**
- Traditional text input, lower case: ✎ **abc**

Tip: If you don't want to use predictive text input mode at all, you may want to deactivate it. (You can reactivate it later.) See 'Deactivating predictive text input mode' on page 98. This will keep you from having to cycle through all four modes.

Entering numbers

To enter one or just a few numbers, press and hold the respective number key. To enter many numbers, change to number entry mode (**123**) and enter the numbers as usual. To change to number entry mode, press and hold

⊚, OR, press **Options, Insert number.**

Inserting special characters

To insert a special character (such as a punctuation mark), press and hold ⊛, OR press **Options, Insert symbol**. To quickly insert a period (**.**), press ⊚. To quickly insert double dashes (**--**) or three elipses (**...**), press ⊚ a few times.

Adding a word to your personal dictionary

If your phone's dictionary does not contain a word, you can add it to your personal dictionary. If the **?** character appears after the word, press **Spell**. (OR, at any time while editing, press **Options, Insert word**.) Enter the word using traditional text input, and press **OK**. If your personal dictionary is full, the new word replaces the oldest added word.

Deactivating predictive text input mode

To deactivate the predictive text feature, while editing a message, press **Options, Dictionary, Dictionary off**.

Templates

Note: Templates are available only in English.

While you're editing a message, press **Options**, then select **Add template**. Select a template:

1. **Call me at [ ].** (phone number/time/place)
2. **I'll call you at [ ].** (time/place)
3. **Meet me at [ ].** (time/place)
4. **I'll be there at [ ].** (time)
5. **I'll be [ ] minutes late.** (number of minutes)
6. **I'm running late.**
7. **I'm on my way.**
8. **Meeting cancelled.**
9. **Meeting changed to [ ].** (time/place)
10. **Appointment cancelled.**
11. **I love you!**
12. **Thank you!**

13. I'm sorry.
14. Call at your convenience.
15. Please call ASAP.

Brackets (**[ ]**) in a template represent a value that you can specify. (The value is not retained for future use; you enter the value each time you use the template.) If you select a template that contains brackets, you'll be prompted to enter a value. You can edit the template text after you insert it into your message.

Sending a mobile message

When you're done editing your message, to send it:

- Press (TALK)
- OR, press **Options**, then **Send**.

If the network can't send your message, a warning note should appear.

Erasing mobile messages

To erase the message you're reading, press **Options**, **Erase**. To erase multiple messages, press **Menu** 0-1-1-5. Choose the type of message to erase.

8. Data and Fax Calls

Your phone can function as a fax/modem when connected to your PC or laptop computer via the optional DLR-3 Data Cable (available through your local Nokia dealer). You must also have the appropriate fax or data software installed and configured to send and receive data or faxes through your phone.

Can I receive a data or fax call while a voice call is in progress?

Yes. Your phone will display either **Data call** or **Fax call**, depending on the type of incoming call. If no cable is connected, the phone will display **Fax call, connect data cable** or **Data call, connect data cable**. If you have Caller ID, the caller's name or number will also be displayed.

You must first terminate the voice call, then launch the appropriate data or fax software and allow the software to accept the incoming call.

Can I receive other calls while a data or fax call is in progress?

No. The caller will receive a busy signal.

Can I place a voice call while a data or fax call is in progress?

No. If a voice call is attempted while a data or fax call is in progress, the phone will display **End data call?** End the data or fax call from your computer's software, or press **Back** to return to the data or fax call in progress. Even if a data or fax call is not in progress (data is not being transferred), you cannot place a voice call if the data cable is connected to the phone.

Getting started

Make sure your phone is connected to your computer via the optional DLR-3 Data Cable and your computer recognizes the new hardware.

See the installation and configuration instructions supplied with the DLR-3 cable for more information.

Configuring your data or fax software

Once properly connected and configured, your PC will recognize your phone as an external fax/modem. However, your fax or data software may already be configured to use the existing PCMCIA or internal modem.

Before you can use your phone to send and receive data or faxes, you must reconfigure your fax or data software so that it uses your phone rather than your existing modem. You may consider creating a separate set of dialing properties to use when your phone is connected, rather than changing any existing settings.

Please refer to the documentation or online help files for your data or fax application when creating new dialing configurations, or modifying existing settings.

To start a data or fax call

Note: The restrict calls feature may affect any data/fax calls you attempt. If you experience problems, check your call restrictions. See page 71 for details.

1. Initiate a data or fax call using your data or fax software configured for your phone.

2. When trying to connect to the network, the phone displays **Connecting...** Once connected, the text **Data call** (or **Fax call**) remains on the display for the duration of the data or fax call.

3. Terminate the data call from your data software; fax calls typically terminate automatically.

Note: Avoid terminating a call by pressing your phone's (END) key. This may cause your data or fax application to temporarily lock up and could cause loss of data.

Note: *Data or fax calls cannot be initiated using your phone's keypad. All data and fax calls must be initiated using the data or fax software.*

Note: *Any touch tones (DTMF tones) needed for calling cards, special long-distance access numbers, etc. must be programmed into the dialing string.*

To receive a data or fax call

Your phone must be connected to your PC via the data cable.

1. The appropriate data or fax software must be running. Consider setting your data or fax software to automatically answer incoming calls so you can receive them while away from your PC.

2. When you receive a call, **Data call** or **Fax call** appears and an alert sounds.

3. Terminate the data call from your data software; fax calls typically terminate automatically.

Note: *Avoid terminating a call by pressing your phone's ⊘(END) key. This may cause your data or fax application to temporarily lock up and could cause loss of data.*

Manual selection of incoming data/fax calls

Certain service providers require that you preset your phone to receive the incoming data or fax call, rather than having the phone automatically detect the call type.

Note: *Check with your service provider to see if "pre-arrangement" of data and/or fax calls is necessary.*

Most popular data and fax programs allow you to send additional initialization commands to the modem when the program is launched, or when the modem is instructed to receive a call. You will need to modify your phone's modem configuration in the data or fax software so that it sends the following special initialization string to the modem:

To preset your phone to receive a data call:

```
AT+CSP=1
```

To preset your phone to receive a fax call:

```
AT+CSP=2
```

You should only have to make this modification once; these settings typically are saved as a part of your data or fax program's settings. Please refer to the documentation or online help files for your data or fax application when modifying your modem's initialization string.

When the software has sent the proper command to your phone, the phone will display **Data reception only** or **For fax reception only** momentarily, along with either a **d** or **f** status indicator at the start screen.

Once your phone is preset for either data or fax reception, you cannot receive incoming voice calls. You must either remove the data cable or turn the phone's power off and back on to restore normal voice call reception.

9. 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.

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

Note: *See page 9 for important battery usage information.*

Note: *For availability of approved accessories, please check with your authorized Nokia dealer.*

Batteries

Several batteries are available for use in your phone:

- **BLS-2N** Extended Battery Li-Ion 900 mAh
- **BLS-4** Ultra Extended Battery Li-Ion 1500 mAh
- **BMS-2S** Extended Battery NiMH 900 mAh

The battery model number is on the battery label which is visible when the battery is removed from the phone.

Charging Time (Hours)

Charging Configuration	Battery		
	BLS-2N	BLS-4	BMS-2S
Charger connected to phone			
ACP-7U charger	4.0	5.0-6.0	4.0
ACP-9U charger	2.0	3.5	1.5
LCH-9 charger	2.0	3.5	1.5
Using charger and DCH-8			
ACP-7U charger	4.0	5.0-6.0	4.0
ACP-9U charger	2.0	3.5	1.5
Using charger and DCH-9			
ACP-7U charger			
Front slot full, rear slot empty	4.0	5.5	4.0
Rear slot full, front slot empty	6.5	12.0	6.5
Both slots full*	8.5	15.75	8.5
ACP-9U charger			
Front slot full, rear slot empty	2.0	3.5	1.5
Rear slot full, front slot empty	4.0	8.0	4.0
Both slots full*	5.25	10.5	5.25

* The battery in the rear slot will not begin charging until the battery in the front slot is fully charged.

Note: Times are approximate. Charging for the specified time will charge the battery to about 80% capacity. At 80% capacity, the battery scroll bars on your phone's display stop scrolling. To obtain 100% charge, allow another two hours to "trickle-charge" the battery.

Standby and Talk Times

Battery Option	Digital Talk Time	Analog Talk Time	Standby Time
BLS-2N Extended Battery Li-Ion 900 mAh	2 hrs to 2 hrs 55 min	40 min to 1 hr 25 min	70 to 110 hrs (dig) 10 to 15 hrs (ana)
BMS-2S Extended Battery NiMH 900 mAh	2 hrs to 2 hrs 55 min	40 min to 1 hr 25 min	70 to 110 hrs (dig) 10 to 15 hrs (ana)
BLS-4 Ultra Extended Battery Li-Ion 1500 mAh	3 hrs 20 min to 4 hrs 50 min	1 hr 10 min to 2 hrs 25 min	115 to 180 hrs (dig) 15 to 23 hrs (ana)

Note: The times shown are approximate, and represent a range for either standby or talk times (not a combination of both). Battery operation times vary according to signal conditions, network parameters set by the service provider, and how you use your phone.

Note: Dispose of used batteries in accordance with local regulations.

Chargers and 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.

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
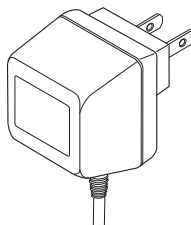
from the charger to the base of your phone. The charger can also be used together with the Compact Desktop Charging Stand (DCH-8).

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.
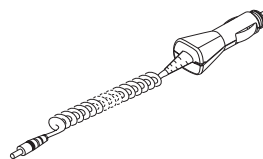
To use the Rapid Travel Charger (ACP-9U), plug it into a standard 120V AC wall outlet, and connect the lead from the charger to the base of your phone.
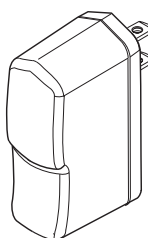
The charger can also be used together with the optional Compact Desktop Charging Stand (DCH-8). Approximate charging times for discharged batteries are shown at the beginning of this section.

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).

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.

Desktop Charging Stand (DCH-8)

Used together with the Standard Travel Charger (ACP-7U) or the Rapid Travel Charger (ACP-9U), the Compact Desktop Charging Stand (DCH-8) is an economical choice when you need your phone close at hand.
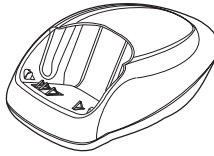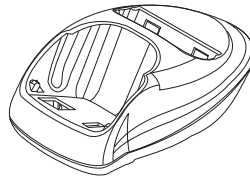
With the battery still attached, place your phone in the charging stand to begin charging your phone's battery.

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.

To get a fully charged battery, leave your phone in the charging stand for a couple of hours after the scrolling stops.

Compact Desktop Charging Stand (DCH-9)

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

When the phone is charging, no lights are displayed on the stand (unless a spare battery is being charged, too); check the charging status of the phone battery on your

phone's screen.

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

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

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

10. Troubleshooting

What if charging fails?

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

If charging still fails, disconnect the charger from your phone. Then reconnect the charger to your phone and retry. If you still experience charging problems, contact your dealer and, if necessary, bring your phone in to have it serviced. Don't forget 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 "Checking signal strength" on page 19.*

Check call restrictions means calls to the phone number you tried to call are restricted (*see "Restricting calls" on page 71*), or your phone is locked (*see "Phone lock" on page 67*).

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.

11. 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 mini-mize the potential for interference.

• If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

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

Other Medical Devices

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

Vehicles

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

Posted Facilities

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

Potentially Explosive Atmospheres

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

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

operations are in progress.

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

Vehicles

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

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

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

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

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

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

Emergency Calls

IMPORTANT!

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

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone

networks or when certain network services and/or phone features are in use. Check with local service providers.

Making an Emergency Call

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

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

3. Press (TALK)

Note: 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

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.* Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate

at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID: GMLNSD-3GW.

For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only Nokia approved accessories. When carrying the phone while it is on, use the specific Nokia belt-clip that has been tested for compliance.

Use of non-Nokia-approved accessories may violate FCC RF exposure guidelines and should be avoided.

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* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

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.

12. Technical Data

Wireless System	Dual-Band CDMA and AMPS
Weight	142.5 g (5.0 oz.) with BLS-2N 900 mAh Li-Ion Battery
Size	129 cc (7.9 cu. in.)
Frequency Range	824.04 - 848.97 MHz (TX) 869.04 - 893.97 MHz (RX)
Battery Voltage	3.6 V nominal
Charging current	850 mAh max.
Operating Temperature	-30°C to + 60°C (-22°F to + 140°F)
Number of Channels	832 lowband; 1150 highband
Number of NAMs	2
Memory Locations	200
Memory Capacity	Alpha: 16 characters per location Numeric: 32 digits per location
Data transmission	14.4 kbps
Fax	Group 3 Send/Receive (14.4* kbps)

Although your phone is capable of data transmission rates up to 56 Kbps, your actual transmission rate may vary, due to your service provider's network. Please check with your service provider for actual data transmission rates.

13. Warranty

NOKIA One-Year Limited Warranty

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

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

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

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

4. During the limited warranty period, NMP will repair, or replace, at NMP's option, any defective parts, or any parts that will not properly operate for their intended use with new or factory rebuilt replacement items if such repair or replacement is needed because of product malfunction or failure during normal usage. No charge will be made to the Consumer for any such parts. NMP will also pay for the labor charges incurred by NMP in repairing or replacing the defective parts. The limited warranty does not cover defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts. NMP's limit of liability under the limited warranty shall be the actual cash value of the Product at the time the Consumer returns the Product for repair, determined by the price paid by the Consumer for the Product less a reasonable amount for usage. NMP shall not be liable for any other losses or damages. These remedies are the Consumer's exclusive remedies for breach of warranty.

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

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

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

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

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

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

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

e) The defect or damage was caused by the defective function of the cellular system, by inadequate signal reception by the external antenna, or by viruses or other software problems introduced into the Product.

8. Nokia does not warrant uninterrupted or error-free operation of the Product. If a problem develops during the limited warranty period, the Consumer shall take the following step-by-step procedure:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nokia Contact Center
7725 Woodland Center Blvd., Ste. 150
Tampa, FL 33614
Telephone: 1-888-NOKIA2U (1-888-665-4228)
or (813) 288-3800
Facsimile: (813) 249-9619
TTY Users: 1-800-24NOKIA (1-800-246-6542)

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

*Nokia is a registered trademark of Nokia Corporation.