NOKIA
CONNECTING PEOPLE

Safety–
Your most
important call

The Wireless Industry
Reminds You To Use Your
Phone Safely When Driving

Nokia Mobile Phones, Inc.
6200 Courtney Campbell Causeway, Ste. 900
Tampa, FL 33607

Telephone: 1-888-NOKIA2U (1-888-665-4228) or
(813) 288-3800
Facsimile: (813) 287-6612
TTY Users: 1-800-24NOKIA (1-800-246-6542)

www.nokia.com

ORIGINAL **NOKIA** ACCESSORIES

DESIGN &
ENGINEERING
SHOWCASE
HONORS
1998
INNOVATIONS
CONSUMER ELECTRONIC SHOWS

NOKIA
SugarBowl

OWNER'S
MANUAL

NOKIA
6185

Nokia 6185

User Guide

Version 2 May, 1999

Keys

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

Fixed antenna
Do not attempt to extend or remove!

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, sub-menus, and the phone book. Press and hold for continuous scrolling.

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

NOKIA

Menu   Names

(TALK)
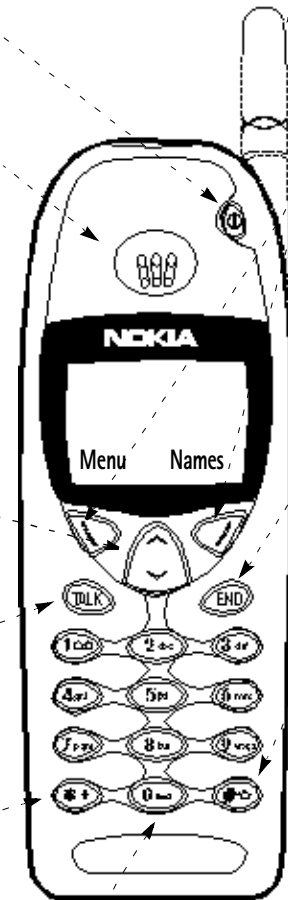Use this key to dial and answer phone calls.

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.

Indicators and Icons

You have an active call.

The phone is waiting for you to enter numbers or text.

You have turned off your phone's keypad tones, warning tones, message alert tones, and set your ringing tone to **Silent**.

Keyguard has been activated to help prevent any accidental keypresses.

You have one or more voice messages waiting.

You have one or more unread text messages waiting.

Digital service is available.

Your phone is roaming outside of your home system/area.

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

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

Appears when you press and hold the # key while editing text. Only numbers can be entered while in this mode.

The alarm clock is set.

Your phone is ready to place or receive a data call.

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

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

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

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

Table of Contents

1. Safety At A Glance

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

For more detailed safety information, "Important Safety Information" on page 86.

Road Safety Comes First

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

Switch Off In Hospitals

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

Switch Off On Aircraft

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

Switch Off When Refueling

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

Switch Off Near Blasting

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

Interference

All mobile phones may get interference which could affect performance.

Use Sensibly

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

Qualified Service

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

Accessories and Batteries

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

FCC/Industry Canada Notice

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

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

Using this Guide

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

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

Disclaimer

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

2. Getting Connected

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.
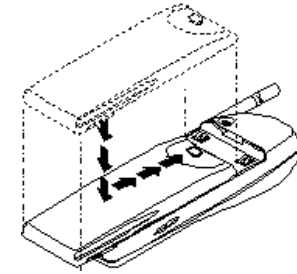
Note: Use only those batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer.

See "Important Battery Information" on page 6.

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).
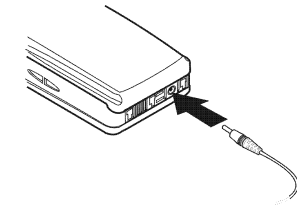
When the battery begins charging, your phone will beep once and the battery strength indicator on the right side of the display will begin to scroll after a few seconds.

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 75.

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 81.

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 & Other Accessories" on page 83 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.
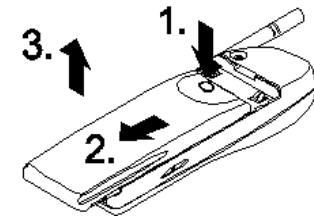
Important Battery Information

- 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, the input is not saved, and the option is not selected.

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.
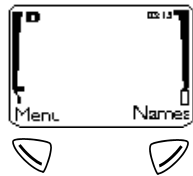
This illustration shows the phone at the start screen. The start screen always displays **Menu** on the left and **Names** on the right. **Menu** allows you to access your phone's menus and submenus. **Names** allows you to access your phone book.

See "Using Shortcuts" on page 10 and "Personal Tone" on page 50.

Scroll key

Your phone has a scroll key located just below your display. It has two arrows on it that look like **s** and **t** . Press the scroll key up or down 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 (e.g. 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.

See "Entering text and numbers" on page 35 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 the **t** or **s** key to move up and down through the menu structure. The scroll bar works the same way with submenus.

Scrolling through the main menu

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

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

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

Menu & submenu numbering

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

See "Summary of Menu Items" on page 11 for a list of your phone's features along with their menu locations.

Also, see "Using Shortcuts" on page 10.

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.

Press **Menu**, then menu number, then submenu number. For example, press **Menu**, then 2, then 2 again to access the dialed calls feature (**Menu** 2-2).

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

For a summary of your phone's menu structure, see "Summary of Menu Items" on page 11.

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

01 Messages
  01-1 Text Messages
    01-1-1 Inbox
    01-1-2 Saved
    01-1-3 Erase all
  01-2 Voice messages
    01-2-1 Listen to voice messages
    01-2-2 Voice mailbox number
  01-3 Welcome Note

2 Call log
  2-1 Missed calls
  2-2 Received calls
  2-3 Dialed calls
  2-4 Clear call lists
    2-4-1 All
    2-4-2 Missed
    2-4-3 Received
    2-4-4 Dialed
  2-5 Call timers
    2-5-1 Last call
    2-5-2 All calls
    2-5-3 Life timer
    2-5-4 Clear timers

3 Profiles
  3-1 Normal *(the following options appear in all profiles)*
    3-1-1 Select
    3-1-2 Customize
      3-1-2-1 Ringing options
      3-1-2-2 Ringing volume
      3-1-2-3 Ringing tone
      3-1-2-4 Vibrating alert
      3-1-2-5 Keypad tones
      3-1-2-6 Warning and game tones
      3-1-2-7 Message alert tone
      3-1-2-8 Lights *(appears only in Car)*
      3-1-2-9 Automatic answer *(appears only in Car and Headset)*
    3-1-3 Rename *(not available in Normal, Car, or Headset)*
  3-2 Silent
  3-3 Meeting

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 17.

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**.

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

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

See "Safety At A Glance" on page 1 for more information.

Getting a strong signal

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.

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.

Note: The phone will not work in analog mode while searching for digital service.

Checking signal strength

When at the start screen *(see page 10)* 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)

NORMAL POSITION: 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 **s** to move the cursor to the left and **t** to move it to the right. Press **Clear** to delete the character to the left of the cursor.

Dialing a phone number stored in the phone book

View stored names and numbers by pressing **t** or **s** from the start screen (*see page 8*), then press (TALK)

Calling card calls

See "Calling card" on page 27.

Emergency calls

See "Emergency calls" on page 34.

Ending a call

Press (END)

Answering a call

Press any key <u>except</u> (END) or
(•)Note: If Keyguard is on (see next paragraph), only (TALK) answers calls.
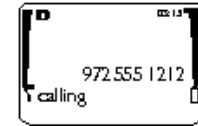
Tip: You can stop your phone from ringing without answering the call. Press (END) when the phone rings to mute the ringing.

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

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

Keyguard

This feature helps to prevent accidental key presses (e.g. when your phone is in your pocket, in your purse) by disabling your keypad.
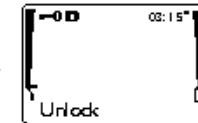
If any keys are pressed while Keyguard is activated, **Press Unlock and then *** will display.

Activating Keyguard

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

- Press and hold (END) until **Keys locked** appears (not available during an active call)
- Press **Menu** (••)
- Press **Menu** 9 at the start screen

Deactivating Keyguard

There are two different ways to deactivate Keyguard.

- Press **Unlock,** then (••)
- 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 emergency number programmed into your phone (e.g. 911 or other official emergency number). The number is displayed only after you have keyed in its last digit. Press (TALK)) to initiate the call.*

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

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

- *Pressing the ⬤ key quickly turns lights on for 15 seconds.*

- *Keyguard is automatically turned off when the phone is connected to a car kit. Keyguard is automatically re-enabled when removed from a car kit.*

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 35 for more information.

Access codes

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

See "Lock code" on page 43 and "Security code" on page 62.

Alarm clock

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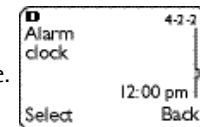
You can also turn your phone off after you've set the alarm. Your phone will automatically wake up and sound the alarm at the specified time.

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.*

For more information on profiles, see page 55. Also, see "Clock" on page 30 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 (e.g. 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 31 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.

See "Call timers" on page 25.

Automatic answer

This is a setting found in your phone's profile settings, under the **Car** and **Headset** profiles (*see page 55*). When this feature is turned on, your phone answers incoming voice calls after one ring.

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

Activating automatic answer

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

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

Note: Car and Headset will not appear in the list unless the phone has already been connected to a car kit or headset.

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

4. Press **t** 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 ⌨ to stop the call attempts.

Activating automatic redial

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

Calculator

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

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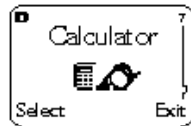
Using the calculator

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

2. 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. If you need to erase any mistakes, press **Clear** to clear one number at a time.

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.

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

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

20
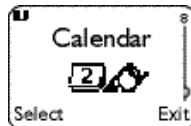
Using the calendar

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**

   Time format (24-hour or am/pm) is set using the Clock. See "Clock" on page 30.

   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 **t** to move the cursor right and **s** to move it left. 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 by pressing **t** or **s** .

4. Once you're at the date you want, press **Options**. Then use **t** to highlight the option you want, and press **Select.** The options are:

Option 1: View day

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

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

Erase clears the note from your calendar.

Edit gives you the same prompts you got when you made the note.

Move gives you the date prompt so you can move the note to another date.

21

Option 2: Make note

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

See "Entering text and numbers" on page 35 for help with entering information at the **Subject:** *prompt.*

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

Option 3: Erase notes

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

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

Option 4: View all

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

Option 5: Go to date

Enter the date you wish to go to.

Option 6: Set the date

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

Call forwarding

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

Note: Before you can activate this feature, you should first store the feature code given to you by your service provider. Otherwise, this feature may not appear in the menu 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 (e.g. *72 555 1212).*

See "Network feature setting" on page 47 for more details.

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

1. Press **Menu** 4-4-1 (**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 4-4-4 (*see "Network feature setting" on page 47*)

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.
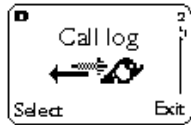
Using call log

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

2. Press **t** to reach one of the following options, then press **Select** or **OK**

    2-1 **Missed calls** - *See page 45.*

    2-2 **Received calls** - *See page 56.*

    2-3 **Dialed calls** - *See page 33.*

    2-4 **Clear call lists** - *See page 29.*

    2-5 **Call timers** - *See page 25.*

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.

See "Restrict calls" on page 57 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. Press **t** to reach one of the following options, then press **Select**

    4-1-1 **Emergency key 9** - *See page 34.*

    4-1-2 **Automatic redial** - *See page 19.*

    4-1-3 **Calling card** - *See page 27.*

Call timers

Your phone automatically keeps track of the approximate amount of time you've spent in calls.
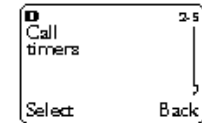
1. Press **Menu** 2-5 (**Call log** - **Call timers**)

2. Scroll repeatedly to access the following options

    Last call displays call duration of last call.

    *Note: **Current call timer** can be accessed by pressing **Details** while using the **Last call** timer. See page 32 for details.*

    All calls displays call duration of all calls made since timers have last been reset (*see page 30 for details on how to clear call timers*).

    Life timer shows duration of all calls; this can not be reset (see *page 42*).

    Clear timers clears all call timers except the Life timer (*see page 30*).

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.

See "NAM selection" on page 46 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 "Call forwarding" on page 22 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.

See "Network feature setting" on page 47 for more details.

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

2. Press **t** 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 4-4-4 (*see "Network feature setting" on page 47*)

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.

See "Personal Tone" on page 50 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.
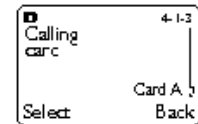
Storing a calling card

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

2. Press **t** or **s** to desired calling card, press **Options**

3. Press **t** or **s** to **Edit**, press **OK**

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

See "Security code" on page 62 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. Then press **t** or **s** to select 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.**

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* **t** *or* **s** *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. Press **t** or **s** to display **Card name** and press **Select**. Enter card name using your phone's keypad, then press **OK**.

See "Entering text and numbers" on page 35 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. Press **t** or **s** to desired card, press **Options**

28

3. Press **t** or **s** 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 43.

Change security code

This feature allows you to change your security code.

See "Changing your security code" on page 62.

Clear call lists

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

Also, see "Call log" on page 24.

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)

29

Clear timers

This feature clears all call timers (except for the life timer) for the currently-selected NAM.

See "Call timers" on page 25 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**

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

Note: The life timer can not be reset. See "Life timer" on page 42 for details.

Clock

You can program your phone's clock two different ways: you can either use the time and date information that's provided by the wireless system, or you can set it yourself with your own time.

You can also choose to hide the clock if you prefer.

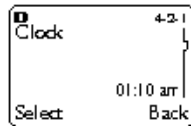*Note: Your phone also features an alarm clock. See page 17 for details.*

By default, the date and time is automatically set to your phone by your wireless system. If you wish to override the system clock, do the following:

Setting your own time

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

2. Press **t** to **Time settings**, press **Select**

3. Press **t** to **Set clock**, press **Select** again

4. Enter the current time, then press **OK** (time will appear in **hh:mm**)

5. Enter the current date, then press **OK** (date will appear in **mm/dd/yyyy**)

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. Press **t** to **Time format** and press **Select**

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

4. Press **OK**

If the time is not automatically available because you are outside of the digital network, or you wish to revert back to the wireless system's time, do the following:

Setting the network clock

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

2. Press **t** 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 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. Press **t** to either **Hide clock** or **Display clock** (only one will display depending on the current setting)

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. Press **t** or **s** to **Names** and press **OK**

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

4. Enter name and press **OK**, or just press **t** or **s** to 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).

Also, see "Call timers" on page 25.

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.

See "Profiles" on page 55 for details.

Data and 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 77 for more information).*

Dialed calls

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

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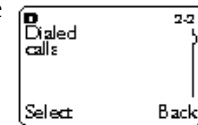
2. Press **t** or **s**

3. Press (TALK) to dial the number you wish to call

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

Also, see "Call log" on page 24 for details on other call lists.

Dialed calls options

See "Call log options" on page 24.

Earpiece volume

You can adjust the listening volume of your phone's earpiece by pressing **t** or **s** to decrease or increase the volume.

See "Volume" on page 74 for details.

Emergency calls

1. If the phone is not on, switch it on
2. Key in the emergency number for your present location (e.g. 911 or other official emergency number). Emergency numbers vary by location.
3. Press ⬭TALK⬭

IMPORTANT!

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

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

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

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

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

Emergency key 9

With this feature on, the phone attempts to make an emergency call when you press 9, then ⬭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. However, this method does not work when Keyguard is active or when the phone is connected to a modem.

Note: This feature is disabled while playing games, using the calculator, or while editing (e.g. phone book entries, calendar, etc.).

Activating Emergency key 9

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

IMPORTANT!

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

Entering text and numbers

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	(7)	PQRS7
(2)	ABC2	(8)	TUV8
(3)	DEF3	(9)	WXYZ9
(4)	GHI4	(0)	Enters an empty space, 0
(5)	JKL5	(*)	*(See below for details)*
(6)	MNO6	(#)	Changes letter case; long press toggles between ABC/abc and 123 mode

While you're editing a name, the **s** key will move the cursor to the left, and **t** will move it to the right. Press **Clear** to correct any mistakes.

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

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** mode and the **123** icon will appear. While in this mode, only numbers can be entered. Letters can not be entered unless your phone is in **ABC** mode.

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

Special characters (for storing names)

When in **ABC** mode (*see page 17*), you can press the ⊙ key and a collection of special characters will appear. You can use these characters to help when storing names in your phone book. Simply press **t** or **s** to highlight the one you wish to use and press **Insert**.

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

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

Also, you can access the . , ' ? ! - characters quickly by pressing the ⊙ key while in **ABC** mode.

36

Special Characters (for storing & calling numbers)

The following special characters are helpful when you store numbers to your phone book (*see page 50*). 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 70*).

> (**w**) creates a "wait" when a number is dialed. The "**w**" makes your phone wait for you to press **Send** or ⊙(TALK), then it sends the digits located to the right of the "w" as touch tones (*see page 70*).

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

Erase all (text messages)

You can erase all read text messages quickly and easily from the text messages menu (Menu 01-1).

See "Erasing all text messages" on page 69 for complete details.

Erase options for your phone book

See "Erasing stored names & numbers" and "Erasing your entire phone book" on page 53.

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 77 for more information.*

37

Games

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

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

Memory

Reveal pictures to find pairs in as few tries as possible. Move the cursor with the 2 (up), 4 (left), 6 (right), and 8 (down) keys.

Press the 5 key to reveal pictures. Press the # key to jump right over revealed pictures or move from 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 longer the snake's tail grows, 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 (e.g. an incoming call).

Inbox

When you receive a text message, it's stored in the Inbox. Your phone will display **Message received**, along with the text message icon, and you will hear a tone (*depending on the message alert tone; see page 44*). Press the **Read** softkey to read messages.

Please see "Text messages & paging" on page 67 for more details on this feature.

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 45)*

Touch tones Allows you to manually enter a touch tone string or search for one in your phone book *(see "Phone book" on page 51)*

Menu Allows you access to your phone's menu

Names Allows you access to your phone book *(see "Phone book" on page 51)*

New call Allows you to place the call to the third party when making a conference call *(see "Conference call" on page 32)*

Keyguard

This feature disables the keypad to protect against accidental keypresses.

See "Keyguard" on page 15 for more details.

Keypad tones

This is one of the settings in your phone's profiles (*see page 55*). It sets the volume of the tone you hear when you press your phone's keys.

40

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. Use **t** to highlight the profile you want and press **Options**.

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

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

Language

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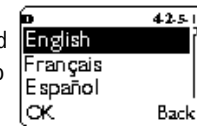
Choosing a language for your phone

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

2. Use **t** or **s** to select the language you wish to use and press **OK**

You can choose from English, French, Spanish, Portuguese, Hebrew, Chinese (simplified), or Chinese (traditional).

Last call timer

This feature displays the duration of your last call.

See "Call timers" on page 25.

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)

41

Letter case

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

See "abc mode (Changing letter case)" on page 36 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 can not 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 25.

Lights

This is one of the settings in your phone's **Car** profile (*see page 55*). This feature determines whether the lights are on only when you use your phone, or if they are on at all times. This setting works only when your phone is connected to a car kit.

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

2. Your phone lists each profile. Use **t** to highlight the profile you want and press **Options**.

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

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

4. Use **t** to scroll through your choices and press **OK**

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

Listen to voice messages

This feature allows you to access your voice messages.

See "Voice messages" on page 73 for complete details.

Lock code

You'll need the lock code to activate and deactivate Phone Lock (*see page 53*), or to change your lock code. The default lock code is 1234. If you enter an incorrect lock code five times in a row, your phone will prompt you for the security code (*see page 62*).

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.

See "Touch tone length" on page 70 for details.

Setting manual touch tones

Press **Menu** 4-2-3-1 (**Settings** - **Phone settings** - **Touch tones** - **Manual touch tones**) and highlight one of the following options, then press **OK.**

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

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

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

Memory status

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

Also, see "Phone book" on page 51.

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

Messages

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

Using messages

1. Press **Menu** 01 (**Messages**)

2. Press **t** to reach one of the following options, then press **Select**

   1-1 **Text messages** - *See page 67.*

   1-2 **Voice messages** - *See page 73.*

   1-3 **Welcome note** - *See page 76.*

Message alert tone

This is one of the settings in your phone's profiles (*see page 55*). It sets the tone that your phone makes when you get a text message.

Also, see "Text messages & paging" on page 67.

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

2. Your phone lists each profile. Use **t** to highlight the profile you want and press **Options**.

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

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

Microphone

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

Muting and unmuting your phone

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

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

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

Missed calls

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.

Missed call options

See "Call log options" on page 24.

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 22*) is selected, your phone will <u>not</u> treat the forwarded calls as missed calls.

Also, see "Call log" on page 24 for details on other call lists.

NAM selection

The Number Assignment Module (NAM) is the phone's storage location containing the assigned phone number(s) 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 (e.g. 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 64*). 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** 4-4-5 (**Settings** - **Network services** - **NAM selection**),

2. Use **t** or **s** to select the phone number you want to use and press **OK**.

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

NAM update

The Number Assignment Module (NAM) update feature may appear in your phone. It allows you to easily activate or reactivate your phone without having to go to your service

46

provider.

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 changing 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 22*), Call waiting (*page 26*) and Send own caller ID with next call (*page 63*) 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.

47

Storing feature codes

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

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

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

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

   (Use step four only for call forwarding options)

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

Network services

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

4-4-1 **Call forwarding *** - *See page 22.*

4-4-2 **Call waiting *** - *See page 26.*

4-4-3 **Send own caller ID with next call *** - *See page 63.*

4-4-4 **Network feature setting** - *See page 47.*

4-4-5 **NAM selection** - *See page 46.*

4-4-6 **NAM update** - *See page 46.*

* *These features will not appear in the menu unless they are activated using* **Network feature setting**. *See "Network feature setting" on page 47 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 52*) before you can use this feature. Then you can assign a name from the phone book to a one-touch

dial location using your phone's keys 2 through 8.

Note: Keys 1 and 9 are used exclusively for dialing your voice mailbox (see page 73) and for attempting emergency calls (see page 88) to the emergency number programmed into your phone (e.g. 911 or other official emergency number). Press and hold either of these keys to initiate the appropriate call.

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 a few seconds to call the number in the corresponding one-touch dial location. You can also press the key and then (TALK) 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

You can receive pages with your phone.

See "Text messages & paging" on page 67.

Personal Tone

This feature allows you to assign special ringing tones to phone numbers already stored in your phone book. So when your phone rings, you'll be able to quickly identify who's calling.

Your phone will also display an icon to identify that this person is in the personal tones list. You can assign as many as 20 names & numbers to the list.

Keep in mind that caller ID must be available and active in your phone in order to use this feature.

Note: If you have selected the **Silent** *profile, your phone will not ring when someone in your personal tone list calls.*

Assigning a personal ringing tone to a name & number

1. In your phone book, locate the person you wish to add to the personal tone list.

2. With that person's name or number highlighted, press **Details** and then **Options**

3. Scroll to **Personal tones**, then press **Select**

4. Scroll through the list of ringing tones that are displayed and press **OK** when you make your choice

Removing a name & number from the list

1. In your phone book, locate the person you wish to remove to the personal tones list

2. With that person's name or number highlighted, press **Details** and then **Options**

3. Scroll to **Personal tones**, then press **Select**

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

Phone book

You can store up to 200 numbers and associated names in your phone's memory. These numbers are right at your fingertips for easy dialing.

Things to know about the phone book:

Stored numbers may be up to 32 digits long.

Stored names may be up to 16 characters long.

You can not store identical names into your phone (e.g., John, John); make sure you use unique names in your phone book (e.g., John H., John W.). If you try to use a name that already exists, **Replace?** will be displayed, followed by the currently stored name. Press **OK** to replace the existing entry or **Back** to return to the previous screen.

Accessing the phone book

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

About the submenus

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

Search allows you to search for a specific name.

Add new allows you to enter new names and numbers.

Edit lets you edit the current phone book entry.

Options lets you choose your scrolling view, as well as to show memory status.

1-touch dialing allows you to assign up to seven one-touch dial locations (*see page 48 for details*).

Erase all lets you erase every name and number in your phone book. You can erase one name and number at a time by pressing **Details**, then **Options** when viewing a

name already in the phone book.

Own Number displays your own phone number.

Storing a name & number

1. Press **Names**

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

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

   You can also press the 👁 key to insert any special characters *(see page 36 for a list of special characters)*

4. Enter phone number and press **OK**

Also, see "Entering text and numbers" on page 35 and "Quick save" on page 64.

Changing a number stored with a name

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

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

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

4. Press and hold **Clear** to erase number or use the **t** and **s** keys to edit

5. Enter new number

6. Press **OK** to save new number

Recalling names & numbers

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

Recalling numbers by name ☀

At the start screen, press **Names** (or just press **t** or **s**). Then press the number on the keypad with the corresponding first letter of the name you wish to call. Keep pressing to get to the next letter on that key.

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

Note: If you only entered the first letter of the name and there are several names beginning with the same letter, press **t** *or* **s** *until the desired name appears.*

Erasing stored names & numbers

1. Recall stored name

2. Press **Details**, then press **Options**

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

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

Erasing your entire phone book

1. Press **Names**

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

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

4. Enter security code at **Security code:**

5. Press **OK**

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

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 the emergency number programmed into your phone (e.g. 911 or other official emergency number) including calls with Emergency key 9 (*page 34*).

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 72 for details*).

Answering a call with phone lock on

Press any key except 🔘 and 🔘

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 30.*

4-2-2 **Alarm clock** - *See page 47.*

4-2-3 **Touch tones** - *See page 70.*

4-2-4 **Restore factory settings** - *See page 57.*

4-2-5 **Language** - *See page 41.*

Profiles 🔅

You can adjust and customize your phone to whatever environment you find yourself in (e.g. shopping, a movie, 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.
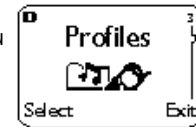
These settings can be changed at any time, and each profile can be selected in a matter of seconds.

Note: Restore factory settings (see page 57) will reset any changes made in profiles back to the factory defaults. The default setting is **Normal**.

Accessing profiles

Press **Menu** 3

Selecting a profile

Quickly press the 🔘 key to view a list of the available profiles. Then press **t** or **s** to choose another 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 can not 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* **Car***)*
- **Automatic answer** *(appears only in* **Car** *and* **Headset***)*

Rename allows you to rename certain profiles.

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

Note: When you change a setting in 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**, **Car**, *and* **Headset** *profiles can not 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 **t** to scroll the numbers.

Also, see "Call log" on page 24 for details on other call lists.

Received calls options

See "Call log options" on page 24.

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 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 55.

Restrict calls ☼

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

Restricting incoming & outgoing calls

Upon selecting **Restrict outgoing calls** or **Restrict incoming calls** from the menu, you are presented with 2 options:

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

Add restriction allows you to create your own list of outgoing call restrictions.

Once you have accessed **Add restriction** and have added at least one restriction, the following options will be added to the menu for that option:

Edit allows you to edit an existing outgoing call restriction.

Erase will erase any existing outgoing call restrictions.

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

Adding outgoing & incoming call restrictions

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. Press **t** or **s** 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 call restrictions

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 call restrictions

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. Press and hold **Clear** to erase entire number, then enter the new characters. Or use **t** or **s** to move the cursor to the desired location and delete a character or insert additional characters. Press **OK** when finished.

7. Edit name if desired using same procedure as above

Erasing call restrictions

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 55*). 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 text message alert tones (*see page 67*).

Selecting ringing options

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

2. Your phone lists each profile. Use **t** to highlight the profile you want and press **Options**.

3. Highlight **Customize** and press **OK**. Press **t** 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 55*). 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 59*) 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. Use **t** to highlight the profile you want and press **Options**.

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

4. Press **t** to 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.

See "Volume" on page 74 for details.

Saved

This is where saved text messages are stored.

See "Text messages & paging" on page 67 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 back and forth through the list using **t** or **s**. **Name list** is the default setting.

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

Name only shows individual names only on a full screen display. To view other names, use **t** or **s**. You can view the corresponding phone number by pressing **Details**, then **t** or **s**.

Selecting your scrolling view

1. Press **Names**

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

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

4. Press **t** or **s** to select either **Name list**, **Name+number**, or **Name only**, then press **OK**

Security settings

This menu includes the following security features:

4-3-1 **Restrict calls** - *See page 57*.

4-3-2 **Access codes** - *See page 17*.

The **Access codes** submenu includes **Phone lock** (*page 53*), **Unlocked phone number** (*page 72*), **Change lock code** (*page 43*), and **Change security code** (*page 62*).

Security code

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.

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

Changing your security code

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

2. Enter 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**

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

Send own caller ID with next call

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

Please be aware of the following:

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

- *This feature is available only when supported by the wireless network, and may not function if you are roaming.*

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 47 for more details.

1. Press **Menu** 4-4-3 (**Settings** - **Network services** - **Send own caller ID with next call**)

2. **t** to **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 and press **OK**), then press **OK**

4. Your phone will attempt to call this number with the feature code you stored in Menu 4-4-4 (*see "Network feature setting" on page 47*)

Settings

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

4-1 **Call settings** - *See page 24.*

4-2 **Phone settings** - *See page 54.*

4-3 **Security settings** - *See page 62.*

4-4 **Network services** - *See page 48.*

Storing a name & number

You can save names and numbers in the Phone book. Either use the method described in "Storing a name & number" on page 52 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 35.

Synchronization

Your phone supports synchronization of its phone book with many popular Personal Information Manager (PIM) programs (e.g. Lotus Organizer, Microsoft Outlook, Symantic 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

The System menu (**Menu-**5) allows you to modify how your phone will work when you are outside of your

primary or "home" system. How your phone will handle being out of your home area can significantly affect the types and amounts of additional charges you may incur.

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 (e.g. type **A**). This is your home system. The other system (e.g. type **B**) is known as a non home-type system.

Roaming

Roaming is a term used to indicate that your phone is not in its home area. When you place or receive calls while roaming, you are actually using another service provider's system to complete your call. Therefore, calls made or received while roaming are usually more expensive than calls made in your home area.

Roaming indicators

When your phone begins roaming, it displays **Roaming**. If roaming in a non-preferred system, your phone will also display **Roaming** and a D will appear at the top of the display.

System choices

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

Note: Before making modifications to your system selection setup, contact your service provider to ascertain how these changes may affect your phone bill.

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

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

Note: This text may not appear in some systems.

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

Note: This text may not appear in some systems.

Home area means your phone cannot roam at all. Your phone will display **No Service** when you travel outside of your home area.

Custom menu

Depending on your service provider, the options displayed for the System menu may include the following:

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

[Service Provider's Name] means your phone will attempt calls via your service provider's system only. If your service provider's system is unavailable, your phone will display **No service**.

Analog means your phone will attempt to place a call using an available analog system.

Which system should you choose?

By default, your phone is set to automatically search for the most cost-effective system when you are outside of your home area. For example, if your home system is type **A** and you are roaming, your phone will automatically try to use the local hometype system (the type **A** system in your current location). The type **B** system would be a non home-type system.

However, in an area where no home or preferred systems are available, use this menu to manually choose which system your phone uses.

By setting your phone to use a home-type or a preferred system, it's possible for you to receive discounted

roaming charges. Check with your service provider to maximize use of this feature.

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

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

If you have more than one phone number

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

See "NAM selection" on page 46 for more details.

Text messages & paging

When you subscribe to the text messaging network service, you can receive text messages and pages with your phone. See your service provider for details and availability.

Text message options

Inbox is where incoming messages are received and stored. All new, unread messages are kept here.

Saved is where all saved, read messages are kept here.

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

Receiving text messages

The maximum length of a received text message is about 250 characters. Your phone has space to receive up to 30 text messages, depending on the length of each one.

Note: Text messages that you receive with your phone may appear different at times, due to messages that originate in networks other than your own. This does not affect the use of your phone in any way.

Also, the maximum length of a text message may depend on the network's capabilities. See your service provider for additional text messaging information.

When you receive a text message

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

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

Urgent messages are also high priority messages, although emergency messages have higher priority.

Message received indicates the existence of an unread message or page. If more than one message exists, the number of received messages will be displayed, followed by the messages or pages in the order they were received.

Reading text messages

With **Message received** displayed,

1. Press **Read** and scroll to new message

2. Press **Read** again

Reading options

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

Erase will erase the message.

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

Use number captures the telephone number displayed in the incoming text message, permitting you to either save the number in your phone book *(see "Phone book" on page 51)*, or place a call to the number *(see "Calling someone back" on page 69)*.

68

Erasing a text message

1. With the message on the display, press **Options**

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

3. Press **OK** again at **Erase message?**

Erasing all text messages

1. Press **Menu 01**-1-5 (**Messages** - **Text messages** - **Erase all**)

2. Scroll to the desired option:

   All messages will erase all messages that have been read from both the Inbox and Saved folder.

   Inbox will erase only those messages in your Inbox that have been read.

   Saved will erase messages in the Saved folder.

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

Receiving a page

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

Calling someone back

The message along with the phone number must be visible on your phone's screen. While the text message is displayed,

1. Press **Options**

2. Select **Use number**, then press **OK**

To quickly call back a number in a message

Press (TALK) while the message (including the phone number) is displayed. After the number has been displayed on the screen for 3 seconds, the call will be placed.

69

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

When your phone's memory is full

When you have an incoming text message and your phone's memory is full, one or more messages, of lowest priority, will automatically be deleted in order to receive the new text message.

If the message memory is still full, your phone will display **No space: read messages**. You can clear this notification by pressing **OK**.

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

Touch 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 when a call is active.

Storing touch tone strings

Store touch tone strings the same way you store phone numbers (*see page 52*).

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 (e.g. your office voice mailbox)

2. Press ∗∗∗ (p) or ∗∗∗∗ (w)

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

4. Store the number as you normally would

Note: See "Special Characters (for storing & calling numbers)" on page 37 for details on "p" and "w" characters.

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

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

Linking phone numbers with touch tone strings

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

First, you must store the touch tone string into a phone book location and then assign it a one-touch dialing location *(see "One-touch dialing" on page 48).*

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

2. Press * twice (you should have a + character next to the phone number.

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

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

5. Press **OK**

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

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.

See "Phone lock" on page 53 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**

Calling the unlocked phone number

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

At the start screen, press **t** or **s** once, then (TALK) or you can 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 55*). 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. Use **t** to highlight the profile you want and press **Options**.

3. Highlight **Customize** and press **OK**. Press **t** to reach **Vibrating alert**, then press **Select**.

4. Use **t** to highlight **On** or **Off** and press **OK**. If you choose **On**, your phone will vibrate even if you have set **Ringing options** (*see page 59*) to **Silent**.

*Note: The vibrating alert does not work when your phone is connected to any charger or car kit. 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.

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 below), 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** 01-2-2 (**Messages – Voice messages – Voice mailbox number**). Then enter your voice mailbox phone number and press **OK**. This number can be up to 32 digits long and is used until it's changed. So if your phone number changes, you may need to change your voice mailbox number along with it.

Greetings, passwords, and prompts

These may vary in different wireless systems. So if you need information about how to record your greeting or how to store your password, contact your service provider. You'll also need to contact them on how to listen to voice messages once you're connected to your voice mailbox.

Listening to your voice messages

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

You can listen to messages anytime if you press and hold the 1 key (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** 01-2-1 (**Messages – Voice messages – Listen to voice messages**).

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

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

Ringing volume

This is one of the settings in your phone's profiles (*see page 55*). It sets the default ringing volume for incoming voice calls and message alert tones.
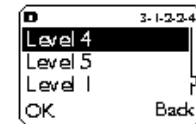
Setting the ringing volume

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

2. Your phone lists each profile. Use **t** to highlight the profile you want and press **Options**.

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

4. Press **t** to 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 55*). 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. Use **t** to highlight the profile you want and press **Options**.

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

4. Use **t** to highlight **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 (e.g. hello, your name, a reminder, etc.). The maximum length is 36 characters.

1. Press **Menu** 01-3 (**Messages** - **Welcome note**)

2. Enter new message or edit an existing one

3. Press **Options**

4. Press **t** to **Save** or **Erase** and press **OK**

The welcome note displays each time your phone is switched on. Characters you enter are added to the left of the cursor. Press **Clear** to delete characters to the left of the cursor. Press **t** or **s** to move the cursor right or left.

See "Entering text and numbers" on page 35 for details.

6. 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?** Press **End** to end the data call or **Back** to return to the data or fax call in progress.

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 standard 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 57 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.

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. Your phone will display either **Data call** or **Fax call**, depending on the type of incoming 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.

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.

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 **Ready for data reception** or **Ready for fax reception** 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.

7. Accessories

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

A few practical rules for accessory operation:

Keep all accessories out of reach of small children.

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

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

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

Use only batteries, chargers and accessories approved by the phone manufacturer 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.

See page 6 for important battery usage information.

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

Batteries

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

Charging Times

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

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

Standby and Talk Times

Battery Option	Digital Talk Time	Analog Talk Time	Standby Time
BLS-2 Extended 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. 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 any local regulations.

Chargers & Other Accessories

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

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).
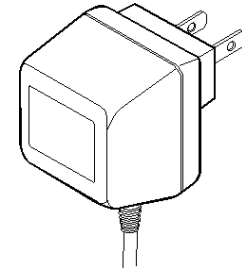
Rapid Travel Charger (ACP–9U)

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.
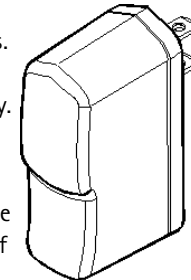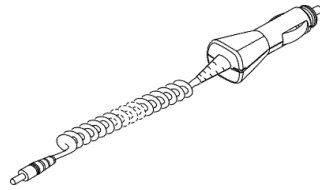
The charger can also be used together with the optional Compact Desktop Charging Stand (DCH–8). Approximate charging times for discharged batteries are shown at the beginning of this section.

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.

Compact 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.
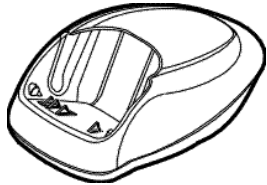
With the battery still attached, place your phone in the charging stand to begin charging your phone's battery.

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.

8. 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. Also remember to bring in your battery and charger.

No service

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

What if the call doesn't go through?

Your phone can make and receive calls only when it's switched on and in the wireless network's service area. **No service** means that you're probably outside the wireless service area. No calls can be made or received. *See "Checking signal strength" on page 14.*

Check call restrictions means calls to the phone number you tried to call are restricted (*see "Restrict calls" on page 57*), or your phone is locked (*see "Phone lock" on page 53*).

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.

9. Reference Information

Important Safety Information

Traffic Safety

Do not use a hand-held telephone while driving a vehicle.
If using a hand-held phone park the vehicle before conversing.
Always secure the phone in its holder; do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop.

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

Remember, road safety always comes first!

Operating Environment

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

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

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

Electronic Devices

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

Pacemakers

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

- Should always keep the phone more than 6 inches (20 cm) from their pacemaker when the phone is switched on;

- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

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

Other Medical Devices

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

Vehicles

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

Posted Facilities

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

Potentially Explosive Atmospheres

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

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

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

Vehicles

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

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

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

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

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

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

Emergency Calls

IMPORTANT!

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

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

Making an Emergency Call

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

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

3. Press

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

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

Radio Frequency (RF) Signals

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

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

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

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

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

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

Care and Maintenance

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

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

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

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

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

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

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

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

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

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

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

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

10. Technical Data

Wireless System	Dual-Band CDMA and AMPS
Weight	142.5 g (5.0 oz.) with BLS-2 900 mAh Li-Ion Battery
Size	129 cc (7.9 cu. in.)
Frequency Range	
Lowband	824.04 - 848.97 MHz (TX) 869.04 - 893.97 MHz (RX)
Highband	1850.04 - 1909.92 MHz (TX) 1930.08 - 1989.96 MHz (RX)
Transmitter Output	200mW (digital) ~300mW (analog)
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	56 Kbps (ITU V .90)
Fax	Group 3 Send/Receive (14.4k bps)

Note: Although the 6185 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.

USA
NOKIA MOBILE PHONES – 6200 Courtney Campbell Causeway, Suite 900, Tampa, FL 33607
Tel: 1-888-NOKIA2U (1-888-665-4228)
TTY Users: 1-800-24NOKIA (1-800-246-6542)

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

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

11. 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 or by inadequate signal reception by the external antenna.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nokia Customer Service
6200 Courtney Campbell Causeway, Ste. 900
Tampa, FL 33607
Telephone: 1-888-NOKIA2U (1-888-665-4228)
or (813) 288-3800
Facsimile: (813) 287-6612
TTY Users: 1-800-24NOKIA (1-800-246-6542)

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

*Nokia is a registered trademark of Nokia Corporation.

12. Index

NOTES