

Nokia 3285 User Guide

English (US)

The wireless phone described in this guide is approved for use in AMPS 800, CDMA 800, and CDMA 1900 networks.

Legal information

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

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

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1 Safety at a glance

1

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

Note: For more detailed safety information, see "Important safety information" on page 110.



- **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.

1



• 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.






• CALLING

Make sure the phone is switched on and in service. Enter the phone number, including the area code, then press the Talk key . To end a call, press the End key . To answer a call, press the Talk key .



• EMERGENCY CALLS

Make sure the phone is switched on and in service. Press and hold the End key  at any time to clear the screen. Enter the emergency number, then press the Talk key . Give your location. Do not end the call until told to do so.

Note: You can also press and hold the 9 key  to make an emergency call, if the emergency key 9 feature is activated.

- **USING THIS GUIDE**

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.

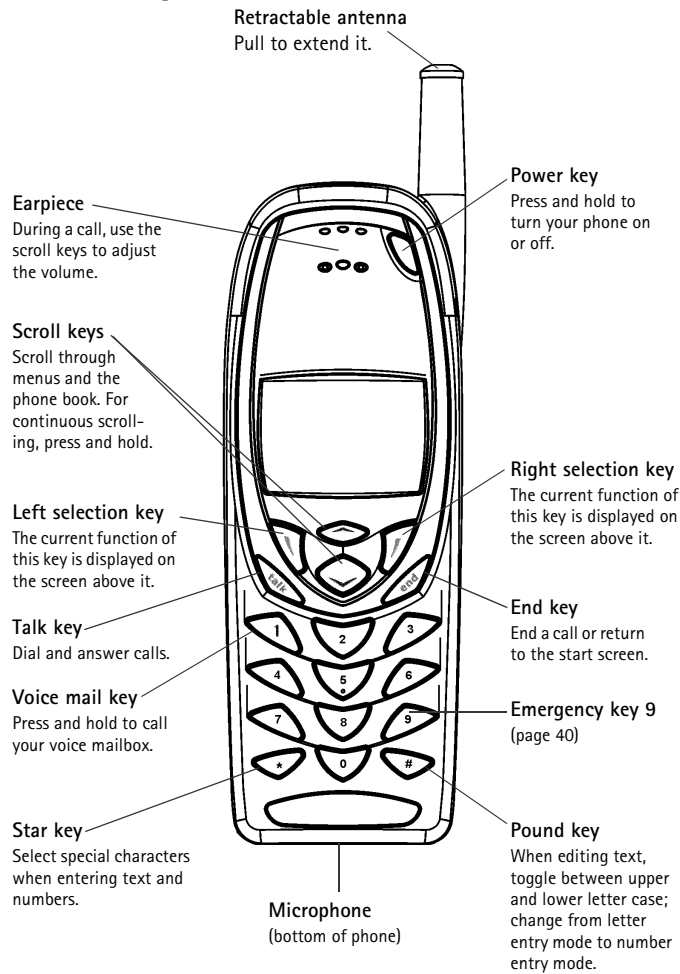
- **CONTACTING NOKIA**

To help Nokia promptly answer your questions, please have your phone's model number, IMEI number, and your local zip code ready when you call Customer Service. The IMEI and model number are on back of your phone under the battery. If you're calling about an accessory, please have it available for reference.

Nokia Customer Care Center
7725 Woodland Center Boulevard
Suite 150
Tampa, FL 33614
Tel: 1-888-NOKIA2U (1-888-665-4228)
Fax: 1-813-249-9619
TTY Users: 1-800-24NOKIA
(1-800-246-6542)

Customer Care, Canada
Nokia Products Ltd.
575 Westney Rd. South
Ajax, Ontario L1S 4N7
Tel: 1-888-22NOKIA
(1-888-226-6542)
Fax: 1-905-427-1070

2 Keys



3 Getting connected

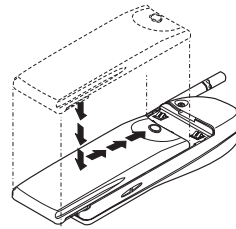
This section will help you understand the ins and outs of charging and using your battery.

3

- **ATTACHING YOUR BATTERY**

Simply place the battery in the grooves on the back of your phone. Then slide the battery upward until it clicks.

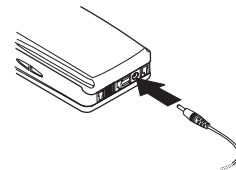
Note: Use only those batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer. "Important Battery Information" on page 7.



- **CHARGING YOUR NEW BATTERY**

Several rechargeable batteries are available for use in your phone. See "Batteries" on page 104. 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.

3

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.

Note: 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 84.

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. See "Batteries" on page 104.



Can you make calls while charging?

Yes, you can. But your battery may not charge while a call is in progress (depending on which charger you are using). Charging should resume once you end the call. See "Chargers and other accessories" on page 105.

3

Discharging NiMH batteries

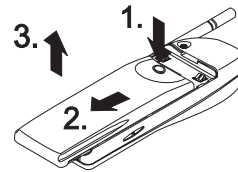
A NiMH battery lasts longer and performs better if you fully discharge it from time to time. To discharge the battery, leave your phone switched on until the battery is drained. The phone will display several messages that the battery is low and that you need to recharge it; just ignore them.

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.

3


- (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.


4 Using your phone

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

4

- **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 the End key , except during a call (unless you want to hang up).

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

- **NAVIGATING TOOLS**

Selection keys



Your phone has two selection keys that appear below the display. Their current function is indicated by the words appearing above them. Simply press the corresponding key under the choice you wish to select.



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

Note: See "Using Shortcuts" on page 12 and "Phone book" on page 61.

Scroll keys

Use the scroll keys ( and ) to navigate through your phone's menus and submenus. You can also use them to scroll through names and numbers in your phone book.



4

Also, when editing names and numbers (for example, numbers in your phone book), you may notice a cursor flashing within the name or number. Pressing the scroll key up or down moves the cursor within the text, allowing you to insert letters, numbers, or special characters via the keypad. See "Entering text and numbers" on page 40.

Scroll bar

When you access your phone's menu and submenus, you will notice a scroll bar at the far right of the screen. This bar indicates where you are in the menu structure; each "tab" on the bar represents a different menu item.



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

• SCROLLING THROUGH THE MAIN MENU




















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

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

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

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

• INDICATORS AND ICONS

-  Active call
-  Alarm clock is set (page 21)
-  Calendar reminder - call someone (page 24)
-  Calendar reminder - birthday (page 24)
-  Calendar reminder - general (page 24)
-  Calendar reminder - meeting (page 24)
-  Data call (page 99)
-  Digital service (page 76)
-  Keyguard is active (page 19)
-  Lower case letters (page 42)
-  Number entry mode (page 42)
-  Roaming (page 76)
-  Silent tones (page 71)
-  Special characters (page 42)
-  Text entry mode - predictive (page 93)
-  Text entry mode - traditional (page 94)
-  Text message (page 85)
-  Upper case letters (page 40)
-  Voice message (page 80)



- **MENU AND SUBMENU NUMBERING**







When you scroll to a menu or submenu, the menu number and/or submenu number appears on the display above the scroll bar. If you become familiar with these numbers, you can use them as shortcuts for accessing different menus.

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

Note: For a list of your phone's features and their menu locations, see "Summary of Menu Items and Shortcuts" on page 13. Also, see "Using Shortcuts" below.

- **USING SHORTCUTS**

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

Note: Depending on the number of main menus in your phone, when entering a shortcut that begins with "1", you might have to first press the **0** key  followed by the **1** key  and any other key(s). For example, to display the **Inbox** menu (**Menu 0-1-1-2**), press **Menu**    .







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

For a summary of your phone's menu structure, see "Summary of Menu Items and Shortcuts" on page 13.

- **HELP TEXT**

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

• SUMMARY OF MENU ITEMS AND SHORTCUTS

Note: Depending on the number of main menus in your phone, when entering a shortcut that begins with "1", you might have to first press the 0 key  followed by the 1 key  and any other key(s). For example, to display the **Inbox** menu (**Menu 0-1-1-2**), press **Menu**    .

4

1 MESSAGES

- 1 Text messages (1-1)
 - 1 Write new* (1-1-1)
 - 2 Inbox (1-1-2)
 - 3 Outbox* (1-1-3)
 - 4 Saved (1-1-4)
 - 5 Erase (1-1-5)
 - 1 All read (1-1-5-1)
 - 2 All in inbox (1-1-5-2)
 - 3 All in outbox (1-1-5-3)
 - 4 All saved (1-1-5-4)
- 2 Voice messages (1-2)
 - 1 Listen to voice messages (1-2-1)
 - 2 Voice mailbox number (1-2-2)
 - 3 Clear voice message icon* (1-2-3)
- 3 Welcome note (1-3)
- 4 Minibrowser messages* (1-4)

* Availability depends on your arrangement with your service provider.

2 CALL LOG

- 1 Missed calls (2-1)
- 2 Received calls (2-2)
- 3 Dialed calls (2-3)
- 4 Clear call lists (2-4)
 - 1 All (2-4-1)
 - 2 Missed (2-4-2)
 - 3 Received (2-4-3)
 - 4 Dialed (2-4-4)

4

- 5 Call timers (2-5)
 - 1 Last call (2-5-1)
 - 2 All calls (2-5-2)
 - 3 Life timer (2-5-3)
 - 4 Clear timers (2-5-4)

3 PROFILES

- 1 Normal* (3-1)
 - 1 Select (3-1-1)
 - 2 Customize (3-1-2)
 - 1 Ringing options (3-1-2-1)
 - 2 Ringing volume (3-1-2-2)
 - 3 Ringing tone (3-1-2-3)
 - 4 Vibrating alert** (3-1-2-4)
 - 5 Keypad tones (3-1-2-5)
 - 6 Warning and game tones (3-1-2-6)
 - 7 Message alert tone (3-1-2-7)
 - 8 Lights*** (3-1-2-8)
 - 9 Automatic answer*** (3-1-2-9)
- 2 Silent (3-2)
- 3 Meeting (3-3)
- 4 Outdoor (3-4)
- 5 Pager (3-5)
- 6 Handsfree*** (3-6)
- 7 Headset*** (3-7)

* Menu items that appear under the **Normal** profile also appear under all other profiles, but the second digit of the shortcut differs. For example, the shortcut for the **Ringing options** menu item for the **Normal** profile is 3-1-2-1; for the **Silent** profile, the shortcut is 3-2-2-1.

** This menu item does not appear unless a vibrating battery is installed on the phone.

*** This menu item does not appear until the phone has been connected to a handsfree device or headset at least once.

4 SETTINGS

- 1 Call settings (4-1)
 - 1 Emergency key 9 (4-1-1)
 - 2 Automatic redial (4-1-2)
 - 3 Calling card (4-1-3)
 - 4 Anykey answer (4-1-4)
 - 5 Minibrowser confirmation* (4-1-5)
 - 6 Incoming data/fax call (4-1-6)
- 2 Phone settings (4-2)
 - 1 Clock (4-2-1)
 - 2 Alarm clock (4-2-2)
 - 3 Touch tones (4-2-3)
 - 4 Restore factory settings (4-2-4)
 - 5 Language (4-2-5)
- 3 Security settings (4-3)
 - 1 Restrict calls (4-3-1)
 - 2 Access codes (4-3-2)
- 4 Network services (4-4)
 - 1 Voice privacy* (4-4-1)
 - 2 Call forwarding** (4-4-2)
 - 3 Call waiting** (4-4-3)
 - 4 Send own caller ID with next call** (4-4-4)
 - 5 Network feature setting (4-4-5)
 - 6 NAM selection (4-4-6)
 - 7 NAM update* (4-4-7)
 - 8 Automatic update of service* (4-4-8)

* Availability depends on your arrangement with your service provider.

** This menu item will not appear until the feature has been activated.
See "Network feature setting" on page 59.

5 SYSTEM*

- 1 Home area (5-1)
- 2 Automatic A (5-2)
- 3 Automatic B (5-3)
- 4 Analog (5-4)

* The list of menu items may differ according to service provider.

4

6 GAMES

- 1 Memory (6-1)
- 2 Snake (6-2)
- 3 Logic (6-3)
- 4 Dice (6-4)

7 CALCULATOR

8 CALENDAR

9 MINIBROWSER*

* Availability depends on your arrangement with your service provider.

10 KEYGUARD


5 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 21.

5

- **SWITCHING THE PHONE ON AND OFF**

Warning: Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger. For more information, see "Safety at a glance" on page 1.

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

Switching off with the Power key

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

- **GETTING A STRONG SIGNAL**

For best results, fully extend the antenna. Your phone operates on radio waves, and the quality of radio reception depends on the strength of the radio signal in your area. This radio coverage is maintained by a wireless network and the quality of calls on a wireless phone depends on the strength of the wireless radio signal.

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

5

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


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

Checking signal strength



When at the start screen (page 9) 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 the Talk key . Hold the phone as you would any other telephone, with the antenna pointed up and over your shoulder.

Editing a number on display

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

Dialing a phone number stored in the phone book

View stored names and numbers by pressing  or  from the start screen (page 9), then press the Talk key .


Calling card calls

See "Calling card" on page 31.

Emergency calls

See "Emergency calls" on page 39.



- **ENDING A CALL**


Press the End key .

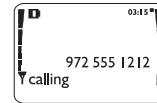
To clear any characters from the display, press the End key  again.

5


- **ANSWERING A CALL**

Press any key except the End key  or the Power key .

Note: This assumes that Anykey answer (Menu 4-1-4) is set to **On** and Keyguard (see below) is not activated. If keyguard is activated, you must press the Talk key  to answer the call.

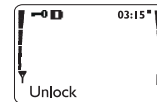


If you don't wish to answer the call, it will be forwarded to your voice mailbox (if you have a voice mail subscription).



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

- **KEYGUARD**

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





Activating keyguard


- Press and hold the End key  until **Keys locked** appears (if you do this during a call, the call will end), OR...
- Press **Menu**, then the Star key , OR...

- Press **Menu 1-0**, OR...
 - At the start screen, press **Menu**, scroll to **Keyguard**, then press **Select**
- When activated, the message **Keys locked** appears.



Deactivating keyguard

- Press **Unlock**, then the **Star key** , OR...
- Press and hold the **End key**  until **Unlock keys?** appears, then press **OK**

Answering a call with keyguard active

Only the **Talk key**  will answer the call. After you end the call, Keyguard automatically becomes active again.

SOME NOTES ABOUT KEYGUARD

- Calls may be possible to the official emergency number (for example, 911) programmed into your phone. The number is displayed only after you have keyed in its last digit. To initiate the call, press the **Talk key** .
- The Emergency key 9 will not work with Keyguard enabled.
- You must deactivate Keyguard prior to turning off your phone.
- Pressing the **Power key**  quickly turns the display lights on for 15 seconds.
- When the phone is connected to a handsfree device (other than a headset), keyguard is automatically turned off. When disconnected from the device, it is automatically turned on.

6 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 40 for more information.

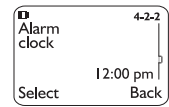
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- **ACCESS CODES**

This is a security feature that allows you access to certain phone features. See "Lock code" on page 49 and "Security code" on page 73.

- **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 66. Also, see "Clock" on page 34 for information on your phone's clock.

Setting the alarm clock

- 1 Press Menu 4-2-2 (Settings - Phone settings - Alarm clock).
- 2 Enter time you wish to set alarm (for example, enter 07:00 to set the alarm to 7:00; remember if your clock is 24-hour or am/pm). Existing digits will be replaced with the new alarm time.
- 3 Press OK.

Note: Step 4 appears only if you have selected **am/pm** format. See "Selecting time format" on page 35 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. (If you press **Yes**, the phone turns off then back on again.)

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.

Warning: Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger. For more information, see "Safety at a glance" on page 1.



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 29.

- **ANYKEY ANSWER**

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

- **AUTOMATIC ANSWER**

This is a setting found in your phone's profile settings, under the Handsfree and Headset profiles (page 66). When this feature is turned on, your phone answers incoming voice calls after one ring.

6


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

Activating automatic answer

- 1 Press Menu 3 (Profiles).
- 2 Your phone lists each profile. Scroll to highlight the Handsfree or Headset profile, then press Options.
- 3 Highlight Customize and press OK. Scroll to Automatic answer, then press Select again.
- 4 Scroll to On and press OK.

Note: This feature will not function with data calls.

- **AUTOMATIC REDIAL**

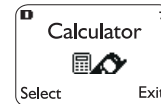
This feature attempts to redial numbers that are busy due to the wireless network. It will not redial numbers to a busy party. Your phone will redial the number you're trying to call up to 3 times after you hear a quick, busy signal. Press Quit or the End key  to stop the call attempts.

Activating automatic redial







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

• CALCULATOR

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



Using the calculator

- 1 Press Menu 7 (Calculator).
- 2 A zero (0) appears on the screen. Enter the first number in the equation (to insert a decimal point, press the Pound key ).
- 3 To *add*, press the Star key  once (+ appears)
To *subtract*, press the Star key  twice (- appears)
To *multiply*, press the Star key  three times (* appears)
To *divide*, press the Star key  four times (/ appears)
To insert a decimal, press the Pound key .
- 4 Enter the second number in the equation.

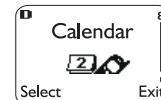
Repeat these steps as needed. To clear one digit at a time, press **Clear**.
To clear all digits, press and hold **Clear**.

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

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

• CALENDAR

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



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

Using the calendar

- 1 Press Menu 8 (Calendar).
- 2 If you are not in a digital network, you will be prompted to set your

phone's time and date.

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

Note: Time format (24-hour or am/pm) is set using the Clock. See "Clock" on page 34.

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

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

6

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

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

View day notes

With this option, you can view the notes of the day currently on display. (If there are no notes associated with the day, **No notes for selected day** appears.) Scroll through the notes. Each note allows you to choose the following **Options**:

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

Make note

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

Note: See "Entering text and numbers" on page 40 for help with entering information at the **Subject:** prompt.

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

Erase notes

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

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

View all notes

This allows you to view the notes of the entire calendar. Scroll through the notes. **Calendar memory empty** will appear if there are no notes in the calendar.

Go to date

Enter the date you wish to go to.

Set the date

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

Note: This option is necessary only if network date and time is not available. See "Clock" on page 34.

• CALL FORWARDING

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

Before you can activate this feature, you should first store the feature code given to you by your service provider. (See "Network feature setting" on page 59 for more details.) Otherwise, this feature may not appear in the menu or function properly.

Your phone A to Z

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

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

- 1 Press Menu 4-4-2 (Settings - Network services - Call forwarding).
- 2 Scroll to desired call forwarding feature (see options below).
- 3 Press Select.
- 4 Highlight **Activate** and press **OK**.
- 5 Enter the phone number (or press **Search** to locate number in phone book) and press **OK**.
- 6 Your phone will attempt to call the network to confirm the feature code you entered in **Menu 4-4-5** (see "Network feature setting" on page 59).
- 7 Once the feature code had been confirmed, the feature is activated.

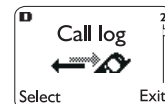
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Call forwarding options

- **Forward all calls** forwards all incoming calls.
- **Forward if busy** forwards calls only when you're on the phone.
- **Forward if not answered** forwards calls if you don't answer.
- **Forward if out of reach** forwards calls if you are out of the serving wireless network.
- **Cancel all call forwarding** cancels all call forwarding options you have made active.


- **CALL LOG**

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




Using call log

- 1 Press Menu 2 (Call log).
- 2 Scroll to one of the following options, then press **Select** or **OK**.
 - Missed calls: See page 56.
 - Received calls: See page 68.
 - Dialed calls: See page 38.
 - Clear call lists: See page 33.
 - Call timers: See page 29.

Tip: You can dial any of the phone numbers by pressing the Talk key  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 the Talk key .
 - **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 "Restricting calls" on page 69 for details.
 - **CALL SETTINGS**

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

Using call settings

- 1 Press Menu 4-1 (Settings – Call settings).
- 2 Scroll to one of the following options, then press **Select**.
 - Emergency key 9: See page 40.
 - Automatic redial: See page 23.
 - Calling card: See page 31.
 - Anykey answer: See page 23.
 - Minibrowser confirmation: See page 55.
 - Incoming data/fax call: See page 99.

6

• 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 the duration of the last call.



Note: Current call timer can be accessed by pressing **Details** while using the Last call timer. See page 37 for details.

- All calls displays call duration of all calls made since timers have last been reset (see page 34 for details on how to clear call timers).
- Life timer shows duration of all calls; this cannot be reset (see page 48).
- Clear timers clears all call timers except the Life timer (see page 34).

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


Note: The actual time invoiced for calls by your service provider may vary, depending upon items such as network features, rounding off for billing, and taxes.

Note: See "NAM selection" on page 57 for details on NAM.


• CALL WAITING

If you have subscribed to call waiting, your phone will beep during a call to let you know you have an incoming call. Your phone may also display the incoming caller's identification. See "Caller ID" on page 31 for details.

Answering an incoming call with call waiting

Press the Talk key .

Swapping between two calls

Press the Talk key .

Ending the calls

Press the End key  to end both calls.

Activating call waiting

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

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

Note: See "Network feature setting" on page 59 for more details.

- 1 Press Menu 4-4-3 (Settings – Network services – Call waiting).
- 2 Scroll to **Activate** (or select **Cancel** to cancel).
- 3 Press **OK**.
- 4 Your phone will attempt to call the network to confirm the feature code you entered in Menu 4-4-5 (see "Network feature setting" on page 59).
- 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.

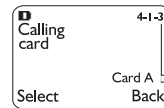
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Note: If you have stored a number more than once in your phone book, and that number is stored each time with a different name, then a name will not appear when someone calls from that number.

Note: See "Phone book" on page 61 for details on your phone book.

- **CALLING CARD**

The calling card feature allows you to store calling card information in your phone, making it easy for you to quickly make a calling card call. Your phone can store information for four calling cards.



Determining the dialing sequence for your card

Before you store the calling card information in your phone, determine the dialing sequence you are supposed to use with your calling card (look at your card or contact the calling card company):

- **Access no. + phone no. + card no.**
- **Access no. + card no. + phone no.**
- **Prefix + phone no. + card no.**

NOTES ABOUT NUMBERS IN DIALING SEQUENCES

- **Access no.:** This is usually a 1-800 number that is listed on the back of the calling card.
- **Phone no.:** The phone number of the party you are calling.
- **Card no.:** The unique number for your card. The card may also specify that you enter a PIN number after your card number.
- **Prefix:** Any number(s) that must precede the phone number of the party you are calling.

Storing calling card information in your phone

- 1 Press **Menu 4-1-3** (**Settings – Call settings – Calling card**).
- 2 Scroll to the desired calling card, then press **Options**.
- 3 Scroll to **Edit**, then press **OK**.
- 4 Enter security code (page 73) and press **OK**.
- 5 Press **Select** at the **Dialing sequence** prompt. Scroll to the appropriate sequence for your card.
- 6 Press **Select** to confirm your choice.
- 7 Enter access number when prompted for the calling card's access number (usually the 1-800 number listed on the back of the calling card), press **OK**.

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

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

Note: See "Entering text and numbers" on page 40 if you need help on entering the card name.

Choosing a calling card to use

- 1 Press Menu 4-1-3 (Settings - Call settings - Calling card).
- 2 Scroll to the desired card, then press **Options**.
- 3 Scroll to highlight **Select** and press **OK**.
- 4 Enter security code (page 73), then press **OK**.
- 5 Your phone will display **Card ready for use**.

Making calling card calls

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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 the Talk key  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 49.


- **CHANGE SECURITY CODE**

This feature allows you to change your security code. See "Changing your security code" on page 74.

- **CLEAR CALL LISTS**


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

Note: Also, see "Call log" on page 27.

- 1 Press **Menu 2-4 (Call log - Clear call lists)**.
 - 2 Highlight either **All, Missed, Received, or Dialed** and press **OK** (All will clear all call lists, while the others clear their respective call lists).
- Note:** When the **Dialed** calls list is cleared, the shortcut list (the list that appears when you press the Talk key ) is also cleared.

• CLEAR TIMERS

6

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

Note: See "Call timers" on page 29 for more details.

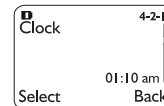
- 1 Press **Menu 2-5-4 (Call log - Call timers - Clear timers)**
- 2 Enter security code (page 73), then press **OK**

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

Note: The life timer cannot be reset. See "Life timer" on page 48 for details.

• CLOCK

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



The clock will display the current time and date on the start screen. You can also choose to hide the clock if you prefer. See "Displaying or hiding the clock" on page 36.

Note: Your phone also features an alarm clock. See page 21 for details.

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

Manually setting the clock

- 1 Press Menu 4-2-1 (Settings - Phone settings - Clock).
- 2 Scroll to **Time settings**, then press **Select**.
- 3 Scroll to **Set clock**, then press **Select**.
- 4 Enter the current time. For example, to enter 7:30, enter **0730**. Press **OK**.
- 5 Scroll to **am** or **pm**, then press **OK**.

6

Selecting time format

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

If you choose **am/pm** format, note the small square indicator that appears to the right of the displayed time:

- Indicator at the top = **am**
- Indicator at the bottom = **pm**

Allowing the network to set the clock

- 1 Press Menu 4-2-1 (Settings - Phone settings - Clock).
- 2 Scroll to **Time settings**, then press **Select**.
- 3 Observe the text: **Set by network**, then press **Select** again.

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

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

Note: If your battery has been removed or has drained outside the digital network, you will be prompted to enter your own time only if the battery is replaced or recharged while still outside of the digital network (see above).

Displaying or hiding the clock





- 1 Press Menu 4-2-1 (Settings – Phone settings – Clock).
- 2 Depending on the current settings, either **Hide time/day** or **Show time/day** will be highlighted.
- 3 Press Select.

• CONFERENCE CALL

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


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

Making a conference call

- 1 While in a call, enter the second phone number and press the Talk key .
- 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 the Talk key  to connect all three parties.
- 3 Press the Talk key  again if you wish to disconnect the third party. Press the End key  to drop both parties.

Recalling a number from the phone book during a conference call

- 1 During the call, press **Options**.
- 2 Scroll to **Names** and press **OK**.
- 3 Press Select at **Search**.

- 4 Enter name and press **OK**, or just scroll through the phone book.
- 5 Press the Talk key .

- **CURRENT CALL TIMER**

This feature displays the running elapsed time on your screen while a call is active. Once the call has ended, simply press any key to clear the display (the display will also clear automatically after 10 seconds).

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

6

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 66 for details.

- **CUSTOM TONE**

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

- In order to use this feature, Caller ID must be available and active in your phone.
- You can assign a custom tone to as many as 20 entries in your phone book.
- If you have selected the Silent profile (Menu 3), your phone will not ring with a normal tone or a custom tone.

6

- 1 In your phone book, find the entry to which you want to assign the custom ringing tone.
- 2 Press **Details**, then **Options** (or, if the scrolling view for your phone book is set to **Name+number**, just press **Options**).
- 3 Scroll to **Custom tone**, then press **Select**.
- 4 Scroll through the list of ringing tones until the desired tone is highlighted.
 - If you wait a moment while a tone is highlighted, you'll hear the tone.
 - To "remove" the custom tone from the entry, select **Default**.
- 5 Press **OK**.


• DATA AND FAX CALLS

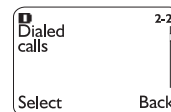
Note: This feature is available only if your service provider's network supports data and fax calls. Data and fax calls may also require that you subscribe to these additional services. Please check with your service provider before sending or receiving data or fax calls.


Your phone can function as a fax/modem when connected to your PC or laptop computer via the optional data cable. You must also have the appropriate fax or data software installed and configured to send and receive data or faxes. (See "Data and fax calls" on page 99 for more information).

• DIALED CALLS

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

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





You can also access the last 10 dialed numbers if you press the Talk key  once, then scroll through the list.

Also, see "Call log" on page 27 for details on other call lists.

Dialed calls options


See "Call log options" on page 28.

- **EARPIECE VOLUME**

During a call, you can adjust the listening volume of your phone's earpiece by pressing  or . See "Volume" on page 83 for details.

6

- **EMERGENCY CALLS**

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

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

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

IMPORTANT!

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

6



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 the **9** key , then the Talk key . The phone dials the emergency number that is programmed into your phone.

Note: You can also dial an emergency call by pressing and holding the **9** key  until the phone indicates it is attempting to make an emergency call (unless Keyguard is activated). This feature is also disabled while playing games, using the calculator, or editing (such as when using the Minibrowser or editing a phone book entry).

Activating Emergency key 9

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

- **ENTERING TEXT AND NUMBERS**













Note: If you're able to send mobile messages from your phone, you can use the predictive text input method to write the message. See "Using predictive text input" on page 93.



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:


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Key	Characters	Key	Characters
	. , ' ? ! @ - 1		PQRS7
	ABC2		TUV8
	DEF3		WXYZ9
	GHI4		<space>, 0
	JKL5		(See below for details)
	MNO6		Changes letter case (ABC/abc); long press toggles between letter mode (ABC/abc) and number mode (123)

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

To enter a space, press the **0** key .


ABC/abc mode (changing letter case)


Press the Pound 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 Pound key  for about 2 seconds while in **ABC** or **abc** mode and the **123** icon will appear. While in this mode, only numbers can be entered. Letters cannot be entered unless your phone is in **ABC** mode.


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

Special characters (for storing names)


While in **ABC** mode ("ABC mode" on page 41), you can quickly enter a commonly used special character (. , @ ' ? -) by pressing the 1 key  until the character appears.

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


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

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

Special characters (for storing and calling numbers)

The following special characters are helpful when you store numbers to your phone book (page 62). Simply press the Star 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 (page 78).
- **w** creates a "wait" when a number is dialed.

The **w** makes your phone wait for you to press **Send** or the **Talk** key , then it sends the digits located to the right of the **w** as touch tones (page 78).

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

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• ERASING MOBILE MESSAGES

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

• ERASE OPTIONS FOR YOUR PHONE BOOK

See "Erasing one entry from the phone book" on page 64 and "Erasing all entries from the phone book" on page 65.

• FAX CALLS

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

Your phone can function as a fax/modem when connected to your PC or laptop computer via the optional data cable. You must also have the appropriate fax software installed and configured to send and receive data or faxes. See "Data and fax calls" on page 99 for more information.

• GAMES

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

Warning: Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger. For more information, see "Safety at a glance" on page 1.

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Memory

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

Press the **5** key to reveal pictures. Press the **Pound** key to jump right over revealed pictures or move from bottom right to top left. Press the **Star** 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 the **2** key (up), **4** key (left), **6** key (right), and **8** key (down) to turn the snake toward food. The snake can only turn 90 degrees at a time.


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

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

Logic

Find a secret combination of figures. Available figures are shown at the top of the display before you accept the first guess row. Use the **2** key, **4** key, and **8** key to move the cursor. Use 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 Star 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.

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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** key  (left) and **6** key  (right) to select a die. Press the **5** key  to lock or unlock the selected die.

Press the Star key  roll the unlocked dice again.

Game options

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

- **Level** allows you to choose the level of difficulty, except for **Dice**, which selects the number of dice you wish to play with.
- **New game** starts a new game.
- **Top score** will display the selected game's highest score ever played with your phone (does not appear in **Logic** or **Dice**).
- **Instructions** will describe how the game is played.
- **Last view** may appear in the **Options** list when the game ends.
- **Continue** may appear in the options list if the game is interrupted (for example, by an incoming call or when you press the End key ).

- **INBOX**

When you receive a mobile message, it's stored in the Inbox. Your phone will display **Message received**, along with the mobile message icon, and you will hear a tone (unless you are in a call). Press **Read** to read messages. See "Mobile messages" on page 85.

- **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 50).
- **Touch tones** Allows you to manually enter a touch tone string or search for one in your phone book (see "Phone book" on page 61).
- **Menu** Allows you access most of your phone's menu.
- **Names** Allows you access to your phone book (see "Phone book" on page 61).
- **New call** Allows you to place the call to the third party when making a conference call (see "Conference call" on page 36).

- **KEYGUARD**

This feature disables the keypad to protect against accidental key presses. See "Keyguard" on page 19 for more details.

- **KEYPAD TONES**

This is one of the settings in your phone's profiles (page 66). It sets the volume of the tone you hear when you press your phone's keys.

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

Setting the keypad tones

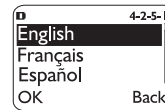
- 1 Press Menu 3 (Profiles).
- 2 Your phone lists each profile. Scroll to the profile you want and press **Options**.
- 3 Highlight **Customize** and press **OK**. Scroll to **Keypad tones** and press **Select**.
- 4 Scroll through the options; your phone plays a sample of each tone. Press **OK** for the one you want.

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• LANGUAGE

You can choose a language for your phone's display.


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



• LAST CALL TIMER

This feature displays the duration of your last call. See "Clear timers" on page 34.

• LAST NUMBER REDIAL

To redial the last number you called, go to the start screen and press the Talk key  twice.

• LETTER CASE

You can change from upper to lower case when entering letters into your phone. See "ABC/abc mode" on page 21 for more details.

- **LIFE TIMER**

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

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

Note: The actual time invoiced for calls by your service provider may vary, depending upon items such as network features, rounding off for billing, and taxes.

Also, see "Call timers" on page 29.

- **LIGHTS**

This is one of the settings in your phone's **Handsfree** profile (page 66). This feature determines whether the lights are on only when you use your phone, or if they are on at all times. This setting works only when your phone is connected to a handsfree device.

- 1 Press **Menu 3 (Profiles)**.
- 2 Your phone lists each profile. Scroll to the profile you want and press **Options**.

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

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

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

- **LISTEN TO VOICE MESSAGES**

If you have a voice mail account with your service provider, this feature allows you to access your voice messages. See "Voice messages" on page 80 for complete details.

- **LOCK CODE**

You'll need the lock code to activate and deactivate Phone lock (page 65), or to change your lock code. The default lock code is **1234** (or the last four digits of your phone number, depending on your service provider). If you enter an incorrect lock code five times in a row, your phone will prompt you for the security code (page 73).

Changing your lock code

In a lock code, only numeric characters are accepted.

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- 1 Enter Menu 4-3-2-3 (Settings – Security settings – Access codes – Change lock code).
- 2 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 77 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 0.1 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 phone book. See "Phone book" on page 61.

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

- **MESSAGES**

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

Using messages

- 1 Press **Menu**, then **Select**.
- 2 Scroll to one of the following options, then press **Select**.
 - **Text messages**: See page 85.
 - **Voice messages**: See page 80.
 - **Welcome note**: See page 84.

- **MESSAGE ALERT TONE**

This is one of the settings in your phone's profiles (page 66). It sets the tone that your phone makes when you receive a mobile message.

- 1 Press **Menu 3 (Profiles)**.
- 2 Your phone lists each profile. Scroll to the profile you want and press **Options**.
- 3 Highlight **Customize** and press **OK**. Scroll to **Message alert tone**, then press **Select**.
- 4 Scroll through your choices (your phone plays samples) and press **OK**.

- **MICROPHONE**

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

Muting and unmuting your phone

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

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

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

• MINIBROWSER

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



About the Minibrowser

Warning: Your phone must be switched on to use the Minibrowser. Do not switch on the phone when wireless phone use is prohibited. See "Safety at a glance" on page 1.

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



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

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

-  •Minibrowser icon (you are in a Minibrowser session)
-  •Active call icon (you are being billed accordingly)

After a certain period of inactivity, the Minibrowser disconnects from the network. For this reason, you may find that you are billed for several network connections within a single session. This is normal and is designed to minimize your bill. Rates will vary according to your billing plan.

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

Launching the Minibrowser


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

- 1 From the start screen, press **Menu**, then scroll to **Minibrowser**. The following message appears to remind you that you may be billed for the connection time. (You can disable this message. See "Disable Minibrowser confirmations" on page 55.)


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

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

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

Note: To end the Minibrowser session at any time, press and hold the End key .

Minibrowser menu

While in the Minibrowser, press and release the Power key  to display the **Minibrowser menu**:

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

- **Home:** Return to the Home page.
- **Bookmark page:** Set a bookmark for the current page.
- **Show URL:** Show the web address (Uniform Resource Locator) for the current page.
- **Restart:** Return to the Home page and delete all stored pages.
- **Version:** Show the version of Minibrowser software.
- **Advanced:** Change server and encryption settings.
- **Exit Minibrowser:** Exit the Minibrowser.
- **Switch off!:** Turn off the phone.



About web page content

The following items may appear on web pages:


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

Navigating in the Minibrowser



SCROLL THROUGH THE MENUS AND CONTENTS OF A PAGE

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

GO BACK (PREVIOUS PAGE)

To go back to a previous page, press the End key .

GO TO THE HOME PAGE



- Press the End key  repeatedly to move back through previously viewed pages until the **Home Page** appears.
- OR, press and release the Power key  to display the **Minibrowser** menu, scroll to **Home**, then press **OK**.

ACTIVATE AN ITEM (FOR EXAMPLE, A LINK)

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

SELECTION KEYS

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


-  (Left selection key) - Usually selects the highlighted item, but its function may change depending on what you are doing.
-  (Right selection key) - Usually selects a secondary option or displays a menu of secondary options.

Links

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

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


ACTIVATE A LINK

- 1 Move the cursor until the desired link is highlighted.
- 2 Press the appropriate selection key. (If the link is a phone number, in some cases, you can also press the Talk key  to make the call.)

Bookmarks

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

SET A BOOKMARK

- 1 Go to the page for which you want to set a bookmark.
- 2 Press and release the Power key . The Minibrowser menu appears.
- 3 Scroll to **Bookmark page**, then press **Select**. (A message may appear asking you to confirm this action.)

GO TO A BOOKMARKED PAGE

- 1 From the **Home Page**, scroll to **Bookmarks**, then press **Select**. A list of your bookmarks appears.
- 2 Select the bookmark that represents the page you want go to, then press **Select**.





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

Receiving messages via the Minibrowser

Depending on your service provider, you may be able to receive messages via the Minibrowser. The procedure you use to read a Minibrowser message varies depending on your service provider. For more information, contact your service provider. (This information may also be available at your service provider's web site.)

Ending the Minibrowser session

- Press and hold the End key .
- OR, Display the **Home Page** (If the **Home Page** is not currently displayed, press the End key  repeatedly until it is displayed.) Press the End key . **Exit Minibrowser?** appears. Press **Exit**.
- OR, press and release the Power key . Select **Exit Minibrowser**.

Disable Minibrowser confirmations

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


- 1 Press Menu 4-1-5 (**Settings - Call settings - Minibrowser confirmations**). The following options appear:

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- **On connection:** Before connecting to the web, your phone prompts you to confirm your choice.
- **On exit:** Before exiting the Minibrowser session, your phone prompts you to confirm your choice.
- **Both:** Your phone prompts you to confirm your choice before connecting to the web and before exiting the Minibrowser session.
- **Never:** Your phone never prompts you to confirm your choice.

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

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


Note: If you press and hold the End key , the Minibrowser session ends without confirmation, regardless of the Minibrowser confirmation setting.

• MISSED CALLS

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

Missed calls will appear in your phone only if it was turned on and in a service area when the call was missed.

If the display says 'Missed call'

Press **List**. To call back the displayed number, press the Talk key .

Press **Exit** to go back to the start screen.

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

Missed call options

See "Call log options" on page 28.

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 (page 26) is selected, your phone will not treat the forwarded calls as missed calls.

Note: Also, see “Call log” on page 27 for details on other call lists.

- **MOBILE MESSAGING**

See “Mobile messages” on page 85.

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- **NAM SELECTION**

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

In most systems, your phone can be activated in two different service areas, 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 76). The first phone number displayed with this menu is the currently selected number.

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


Selecting the NAM for your phone

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

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

- **NAM UPDATE**

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

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

Automatic NAM update

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

Manual NAM update


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

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

'Lock' prevents the service provider from 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 the End key .

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 26), Call waiting (page 30) and Send own caller ID with next call (page 74) are network services available through your service provider or dealer.

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When you subscribe to any of these services, your service provider or dealer gives you a separate feature code to activate each service. Deactivation codes are used to deactivate each service.

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

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

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

Storing feature codes

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

• NETWORK SERVICES

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

- **Voice privacy:** See page 82.
- **Call forwarding *:** See page 26.
- **Call waiting *:** See page 30.
- **Send own caller ID with next call *:** See page 74.
- **Network feature setting:** See page 59.
- **NAM selection:** See page 57.
- **NAM update:** See page 58.
- **Automatic update of service:** See page 58.

* These features will not appear in the menu unless they are activated using **Network feature setting**. See "Network feature setting" on page 59 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 (page 61) before you can use this feature. Then you can assign a name from the phone book to a one-touch dial location using your phone's keys 2 through 8.

Note: Key 1 is reserved for your voice mailbox (page 80). Key 9 is reserved for emergency calls (page 113). Some service providers may also program a third key for their use (for example, a Customer Service phone number).

Assigning one-touch dial locations

- 1 Press **Names**, scroll to **1-touch dialing** and press **Select**.
- 2 Scroll to next available empty location, **(empty)** will appear, then press **Assign**.
- 3 Scroll to select desired name and press **Select**.

Calling a number using one-touch dialing

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

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- 1 Press **Names**, scroll to **1-touch dialing** and press **Select**.
- 2 Scroll to the location you wish to change and press **Options**.
- 3 Scroll to **Change**, then press **Select**.
- 4 Scroll through phone book to select new number and press **Select**.

Erasing one-touch dial locations

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

• PAGING

If your service provider supports paging, you can receive pages with your phone. A page is a special type of mobile message. See "Mobile messages" on page 85.

• PHONE BOOK

About the phone book

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

Adding an entry to the phone book

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

- 1 Press **Names**.
- 2 Scroll to **Add new**, then press **Select**.
- 3 Enter a name (16 characters maximum), then press **OK**.

See "Entering text and numbers" on page 40.


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

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

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

Associating an email address with an entry




You can associate an email address with an entry in your phone book. Later, when addressing a mobile message, you can quickly enter the email address by selecting the name in your phone book.

- 1 At the start screen, display the list of phone book entries by pressing , then scroll to a phone book entry.
- 2 Press **Details**, then **Options** (or, if the scrolling view for your phone book is set to **Name+number**, just press **Options**).
- 3 Scroll to **E-mail**, then press **Select**.
- 4 Enter the email address (48 characters maximum), then press **OK**.

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



Accessing the phone book

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



- 1 Display the start screen (press and hold the End key .
- 2 Press  or . Scroll in either direction.

Finding a name in the phone book

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


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

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

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

Calling a number in the phone book

- 1 Highlight the name in the list of phone book entries. See "Finding a name in the phone book" on page 63.
- 2 Press the Talk key . Your phone dials the number associated with the name and displays the dialed number on the screen.

Phone book options

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

- **Search** allows you to search for a name.
- **Add new** allows you to add an entry (name and phone number) to your phone book.
- **Options** lets you choose the format of your scrolling view and check the status of your phone book memory (the number of entries you have created).

- **1-touch dialing** (speed dialing) allows you to assign a phone number to a one-touch dial location. See "One-touch dialing" on page 60.
- **Erase all** lets you erase every name and number in your phone book. See "Erasing all entries from the phone book" on page 65.
- **Own Number** displays your own phone number.

Editing a name and number

- 1 Highlight the name in the list of phone book entries. See "Finding a name in the phone book" on page 63.
- 2 Press **Details**, then **Options** (or, if the scrolling view for your phone book is set to **Name+number**, just press **Options**).
- 3 **Edit** appears highlighted by default. Press **Select**.
- 4 Edit the name, then press **OK**.
- 5 Edit the number, then press **OK**.

Editing an email address

- 1 Highlight the name in the list of phone book entries. See "Finding a name in the phone book" on page 63.
- 2 Press **Details**, then **Options** (or, if the scrolling view for your phone book is set to **Name+number**, just press **Options**).
- 3 Scroll to **E-mail**, then press **Select**.
- 4 Edit the email address, then press **OK**.

Erasing one entry from the phone book

Note: You cannot undo this procedure.

- 1 Highlight the name in the list of phone book entries. See "Finding a name in the phone book" on page 63.
- 2 Press **Details**, then **Options** (or, if the scrolling view for your phone book is set to **Name+number**, just press **Options**).
- 3 Scroll to **Erase**, then press **Select**.
A confirmation message appears: **Erase?**
- 4 Press **OK**.

Erasing all entries from the phone book

This procedure erases your entire phone book and cannot be undone.

- 1 Press **Names**.
- 2 Scroll to **Erase all**, then press **Select**.
A confirmation message appears: **Are you sure?**
- 3 Press **OK**.
- 4 Enter your security code (page 73), then press **OK**.

6

• 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** appears 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** appears if you attempt to place a call while the phone is locked). Once your lock code has been accepted, your phone will function normally.



Activating and deactivating phone lock

- 1 Press **Menu 4-3-2-1** (**Settings - Security settings - Access codes - Phone lock**).
- 2 Enter the lock code then press **OK**.
- 3 Scroll to **On** or **Off**, and press **OK**.
- 4 Complete the phone lock activation or deactivation by turning your phone off and back on.

When your phone is locked, calls may be possible to an official emergency number (for example, 911) programmed into your phone, including calls with Emergency key 9 (page 40).

You can also store a number in the **Unlocked phone number** location (page 79), which allows you to call this number even though your phone is locked.

Answering a call with phone lock on

- Press any key except the End key  and the Power key .

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

• PHONE SETTINGS

Phone settings give you access to other phone features such as the alarm clock and the language your phone uses.

6

Using phone settings

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

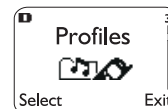
- **Clock:** See page 34.
- **Alarm clock:** See page 21.
- **Touch tones:** See page 78.
- **Restore factory settings:** See page 68.
- **Language:** See page 47.

• PROFILES


You can adjust and customize your phone to whatever environment you find yourself in (for example, a shopping mall or a movie theater). Each profile uses its predefined settings to determine your phone's ringing volume, ringing tone, message alert tone, keypad tones, warning tones, and so on, 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 68) will reset any changes made in profiles back to the factory defaults. The default setting is **Normal**.



Selecting a profile

- 1 Quickly press the Power key  to view a list of the available profiles.
- 2 Scroll to the profile and press **OK**.

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

These steps allow you to select a profile, but you cannot customize a profile here. Keep reading to learn how to customize a profile.

Customizing profiles and other options

6

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

Select, **Customize**, and **Rename** may appear as choices.

- 2 Select an option and press **OK**.

The profile is activated.

- 3 If you wish to go back to the main menu, press **Back**.

With the **Customize** option you can change the settings for a profile. 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 (if a vibrating battery is attached)
- Keypad tones
- Warning and game tones
- Message alert tone
- Lights (appears only in **Handsfree**)
- Automatic answer (appears only in **Handsfree** and **Headset**)

Rename allows you to rename certain profiles.

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

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

Renaming profiles

- 1 Press **Menu 3 (Profiles)**.
 - 2 Scroll to the desired profile, then press **Options**.
 - 3 Scroll to **Rename** and press **OK**.
 - 4 Enter a new name and press **OK** again.
- Normal, Handsfree, and Headset profiles cannot be renamed.**

• RECEIVED CALLS

If caller ID is available, this feature shows you the phone numbers of the 10 most recent calls you've answered.

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

See also "Call log" on page 27 for details on other call lists.

Received calls options

See "Call log" on page 27.

• RESTORE FACTORY SETTINGS

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

Restoring factory settings

- Press **Menu 4-2-4 (Settings - Phone settings - Restore factory settings)**, enter your phone's security code (page 73), and press **OK**.

Your phone book, timers, language selection, security code, and lock codes are not reset. However, any profiles you have modified are reset when you restore default settings. Plus, if you are using your phone's clock (as opposed to the clock provided by the network), the clock will reset as well.

- **RENAMING PROFILES**

See "Profiles" on page 66.

6

- **RESTRICTING CALLS**

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

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

Adding a call restriction

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

- 1 Press Menu 4-3-1 (Settings - Security settings - Restrict calls).
- 2 Scroll to **Restrict outgoing calls** or **Restrict incoming calls** and press **Select**.
- 3 Enter the security code (page 73) and press **OK**.
The message **Caller ID must be available** appears before you can add an incoming call restriction.
- 4 Scroll to **Add restriction** and press **OK**.
- 5 Enter the phone number you wish to restrict and press **OK**.

Examples:

- If you wish to restrict all calls that begin with 1, enter 1.

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- 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.

When you create a new restriction, that restriction is automatically selected (enabled) at the time it is saved.

Selecting a call restriction

- 1 Press **Menu 4-3-1 (Settings - Security settings - Restrict calls)**.
- 2 Scroll to **Restrict outgoing calls** or **Restrict incoming calls** and press **Select**.
- 3 Enter the security code (page 73) 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 the **Save changes?** message.

Editing a call restriction

- 1 Press **Menu 4-3-1 (Settings - Security settings - Restrict calls)**.
- 2 Scroll to **Restrict outgoing calls** or **Restrict incoming calls** and press **Select**.
- 3 Enter the security code (page 73) and press **OK**.
- 4 Scroll to **Edit** and press **OK**.
- 5 Scroll to the restriction you wish to edit, and press **OK**.
If no name has been entered for a restriction, the restricted number will be displayed.
- 6 Edit the restriction, then press **OK**.
- 7 Edit the name if needed, using the same procedure as above.

Erasing a call restriction

- 1 Press Menu 4-3-1 (Settings – Security settings – Restrict calls).
- 2 Scroll to **Restrict outgoing calls** or **Restrict incoming calls** and press **Select**.
- 3 Enter the security code (page 73) and press **OK**.
- 4 Scroll to **Erase** and press **OK**.
- 5 Scroll to the restriction you wish to erase, and press **OK**.
- 6 Press **OK** again to erase restriction.

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• RINGING OPTIONS

This is one of the settings in your phone's profiles (see page 66). It allows you to choose whether or not your phone rings, beeps, or remains silent when someone calls you. This feature does not affect incoming mobile (text) message alert tones or incoming data/fax calls.

Selecting ringing options

- 1 Press Menu 3 (Profiles).
Your phone lists each profile.
- 2 Scroll to the profile you want and press **Options**.
- 3 Scroll to **Customize** and press **OK**.
- 4 Scroll to **Ring** options, then press **Select**.
- 5 Scroll to **Ring**, **Ascending**, **Ring once**, **Beep once**, or **Silent** and press **OK**.

The **Ascending** option plays the selected ringing tone at a low volume and then gradually increases the volume with each ring.

• RINGING TONE

Ringtone is one of the settings in your phone's profiles (see page 66). It allows you to choose one of the many ringing tones your phone uses for incoming voice calls. The ringing tones include various tunes and ring sounds.

If you set **Ring** options (see page 71) to **Silent** or **Beep once**, ringing tones are automatically disabled; however, you can still receive incoming calls.

Selecting ringing tones

- 1 Press **Menu 3** (Profiles).
Your phone lists each profile.
- 2 Scroll to the profile you want to change and press **Options**.
- 3 Scroll to **Customize** and press **OK**.
- 4 Scroll to **Ringing tone** and press **Select**.
- 5 Scroll through the options and, when 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 83 for details.

- **SAVED**

This is where saved mobile messages are stored. See "Mobile messages" on page 85 for details.

- **SCROLLING VIEW**

You have three different options on how you can view the phone book.

- **Name list** shows all stored names in a scrolling list. Three names appear at any given time. To view other names in the directory, scroll through the list. **Name list** is the default setting.
- **Name+number** shows individual names and numbers stored in your phone book. Only one name appears on the screen at a time, with the corresponding phone number. Scroll to view other names.
- **Name only** shows individual names only on a full-screen display. Scroll to view other names. To view the corresponding phone number, press **Details**, and then scroll through the list.

Selecting the scrolling view

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

• SECURITY SETTINGS

This menu includes the following security features:

- **Restrict calls:** See page 69.
- **Access codes:** See page 21.

The **Access codes** submenu includes **Phone lock** (page 65), **Unlocked phone number** (page 79), **Change lock code** (page 33), and **Change security code** (see the next section).

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• SECURITY CODE

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

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

Your phone will prompt you for a five-digit security code for certain features. These features can be used only after the correct security code has been successfully entered.

- When you enter the security code, ********* appears on the screen 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 the screen). Then enter the correct code or press **Back** to exit the current feature.

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

Changing your security code

- 1 Press **Menu 4-3-2-4** (Settings – Security settings – Access codes – Change security code).
- 2 Enter the security code and press **OK**.
- 3 Enter the new security code (must be five digits) at **Enter new security code** and press **OK**.
- 4 Enter the new security code again at **Verify new security code** and press **OK**.

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The phone shows the message **Security code changed**.

• SEND OWN CALLER ID WITH NEXT CALL

In most service areas, when you call someone, that person's caller ID system allows him or her to see your name and phone number. Your phone is set to automatically allow this information to be seen.

Before you make a call, you can choose to prevent this information from being seen. This is sometimes referred to as blocking caller ID.

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 59 for more details.

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

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

- 1 Press **Menu 4-4-4** (Settings – Network services – Send own caller ID with next call).
- 2 Scroll to **Yes** (to show your number) or **No** (to not show it) and press **OK**.

- 3 Enter the number you want to call (or press **Search** to retrieve the number from the phone book), then press **OK**.
- 4 Press **OK** again.
Your phone will try to call this number with the feature code you stored in **Menu 4-4-5** (see "Network feature setting" on page 59).

- **SETTINGS**

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

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- **Call settings:** See page 28.
- **Phone settings:** See page 66.
- **Security settings:** See page 73.
- **Network services:** See page 60.

- **STORING A NAME AND NUMBER**

You can save names and numbers in the Phone book. Either use the method described in "Adding an entry to the phone book" on page 62 or the quick-save method described below.

Quick save

- 1 Enter the phone number and press **Save**.
- 2 Enter a name at **Name** if you wish (it's optional), then press **OK**.
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 40.

- **SYNCHRONIZATION**

Your phone supports synchronization of its phone book with many popular personal information manager (PIM) programs (for example, Lotus Organizer, Microsoft Outlook, and Symantec ACT!) by using software from other developers.

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

Note: Before selecting an item in the System menu, contact your service provider to find out how your selection will affect your service charges.

Roaming

Roaming occurs when you use your phone outside its home area. While roaming, another service provider's system handles your call, so the service rate for the call is usually higher than the rate for calls made within your home area. While roaming, the word **Roaming** and the roaming indicator (▲) appear on the Start screen.

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

Service types

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

System choices

If you have more than one phone number (NAM), your choice affects only the currently selected number. See "NAM selection" on page 57.

Note: System choices may differ, depending on service provider.

- **Home area:** Your phone cannot roam. This means you can make and receive calls in your home area only. While roaming, **No Service** appears and you will not be able to make or receive calls.
- **Automatic A:** Your phone searches for system A. If system A is not available, it searches for an available analog system.
- **Automatic B:** For most service providers, this is the default selection. Your phone searches for system B. If system B is not available, the phone searches for an available analog system.
- **Analog:** Your phone searches for an available analog system. If an analog system is not available, **No Service** appears. While **Analog** is selected, if you switch your phone off and back on, your phone will automatically be reset to **Automatic B**.

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- **TEXT MESSAGING**

See "Mobile messages" on page 85.

- **TOUCH TONE LENGTH**

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

- To set the touch tone length, press **Menu 4-2-3-2 (Settings - Phone settings - Touch tones - Touch tone length)**.
Short sets the tone length to 0.1 second.
Long sets the tone length to 0.5 second.

- **TOUCH TONES**

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

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

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Storing touch tone strings

- Store touch tone strings the same way you store phone numbers (see "Storing a name and number" on page 75).


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

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

Caution: Be careful when you send confidential information over the air (from your phone) when using DTMF tones in analog mode.

Storing touch tone strings with phone numbers

- 1 Enter the phone number (for example, your office voice mailbox number).
- 2 Press the Star key  three times (p for pause) or four times (w for wait).
- 3 Enter the touch tone string (for example, the voice mailbox password).
- 4 Store the number as you normally would.

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

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

See "Special characters (for storing and calling numbers)" on page 43 for details on **p** and **w** characters.

6

• **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 65 for details.




Storing the unlocked phone number

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


Saving a new unlocked phone number overwrites the old one.

Calling the unlocked phone number

Your phone must be locked by means of the phone lock to use this feature.

- At the Start screen, press  or  once, then press the Talk key .

OR

- Manually enter the phone number as it is stored and press the Talk key .

- **VIBRATING ALERT**

If a vibrating battery is attached to your phone, you can set your phone to vibrate when you receive a voice call. This is one of the settings in your phone's profiles (page 66).

Activating vibrating alert

- 1 Press Menu 3 (Profiles).
Your phone lists each profile.
- 2 Scroll to the profile you want and press **Options**.
- 3 Scroll to **Customize** and press **OK**.
- 4 Scroll to **Vibrating alert**, then press **Select**.
- 5 Scroll to **On** or **Off** and press **OK**.

If you choose **On**, your phone will vibrate even if you have set **Ringling options** (page 71) to **Silent**.

The vibrating alert does not work when your phone is connected to any charger or handsfree device. Also, if you have chosen the **Ring once** option for the profile you're using, the vibrating alert will vibrate only once when your phone rings.


- **VOICE MAILBOX NUMBER**

This number dials your voice mailbox. See "Voice messages" in the 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.

- The message **New voice message** appears on the screen along with the voice mail icon , and you'll hear a short beep.
- Your phone will show 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.

- 1 Press Menu 0-1-2-2 (Messages - Voice messages - Voice mailbox number).
- 2 Enter your voice mailbox phone number and press **OK**.

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

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

Greetings, passwords, and prompts

These may vary in different wireless systems. 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 the provider for information about how to listen to voice messages once you're connected to your voice mailbox.

Listening to your voice messages

- 1 If **New voice message** is appears, simply press **Listen** and follow the prompts.
- 2 If you'd rather listen to your messages later, press **Exit**.

Quick access: To listen to messages at any time, press and hold the **1** key  (or press the **1** key , then the **Talk** key ). Calling voice mailbox appears on the screen.

Access by menu: If you prefer, you can call your voice mailbox by pressing Menu 0-1-2-1 (Messages - Voice messages - Listen to voice messages).

Voice message notification

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

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

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

Clearing the voice message icon

In most networks, the voice message icon is automatically cleared a few seconds after you listen to your last new message. If the network in which you are currently using your phone does not automatically clear the voice message icon, you can manually clear the icon.

- Press Menu 0-1-2-3 (Messages – Voice messages – Clear voice message icon), then press Clear.

• VOICE PRIVACY

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

Some service provider's networks can encrypt the signal transmitted during a phone call to ensure others are unable to listen to your conversation. By default, the voice privacy setting on your phone is set to **Off**. To turn it on:

- 1 Press Menu 4-4-1 (Settings – Network services – Voice privacy).

- 2 Scroll to **On**, then press **OK**.

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

- **VOLUME**

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

Earpiece volume

While in a phone call, you can adjust the listening volume for your phone's earpiece.

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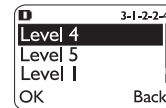
- The top scroll key increases volume, and the bottom one decreases the volume.

Using the scroll keys to adjust earpiece volume works only during phone calls.

- If an accessory such as a headset or a handsfree device, or one with its own loudspeaker, is connected to your phone, the scroll keys will adjust the volume for that accessory.

Ringing volume

This is one of the settings in your phone's profiles (page 66). It sets the default ringing volume for incoming voice calls and message alert tones.



Setting the ringing volume

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

Your phone lists each profile.

- 2 Scroll to the profile you want and press **Options**.

- 3 Scroll to **Customize** and press **OK**.

- 4 Scroll to **Ringing volume**, then press **Select**.

- 5 Scroll through the options and, when you hear the volume level you want to use, then press **OK**.

- **WARNING AND GAME TONES**

This is one of the settings in your phone's profiles (see page 66). Warning and game tones include the 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).
Your phone lists each profile.
- 2 Scroll to the profile you want to change and press **Options**.
- 3 Scroll to **Customize** and press **OK**.
- 4 Scroll to **Warning and game tones**, then press **Select**.
- 5 Scroll to **On** or **Off** and press **OK**.

- **WELCOME NOTE**

You can program a welcome note into your phone to display a message when you first switch the phone on (for example, a greeting, your name, or a reminder). The maximum length is 36 characters.

- 1 Press **Menu 0-1-3** (Messages – Welcome note).
- 2 Enter a new message or edit an existing one, then press **Options**.
- 3 Scroll to **Save** or **Erase** and press **OK**.

The welcome note appears each time your phone is switched on. Characters you enter are added to the left of the cursor.

- To delete characters to the left of the cursor, press **Clear**.
- To move the cursor, press  or .

See "Entering text and numbers" on page 40 for details.

7 Mobile messages

Before you can send or receive mobile messages, you may need to subscribe to the mobile messaging service offered by your service provider. Also, some networks may not support mobile messaging.

- **ABOUT MOBILE MESSAGES**

A mobile message is a message in the form of text that appears on your phone's screen. You can address outgoing messages to e-mail addresses and phone numbers. The recipient of your message typically receives it on:

- A phone that supports mobile messaging.
- A pager.
- The Internet (through an e-mail client).

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Message storage

Messages are stored in folders called Inbox, Outbox, and Saved.

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

Your phone can store as many as 60 messages (memory is shared by all folders). However, the total number of stored messages depends on message length. If your phone's memory is full when you receive a mobile message:

- If the message is not an emergency message, the oldest sent message in the Outbox folder is automatically deleted, but "drafts" (unsent messages) are not deleted. If there are no sent messages in the Outbox folder, the oldest read message in the Inbox folder is deleted. If there are no read messages in the Inbox, **No space: message waiting** or a similar message appears, prompting you to

delete messages from one of the other folders. The network will resend the message later.

- If the message is an emergency message (sent only by a network operator), in addition to the messages mentioned above, other messages in the Inbox, Outbox, and Saved folders could be automatically deleted if your phone's memory is full.

Types of mobile messages

Depending on your service provider, when you create a mobile message, **Text** and **Number only** may appear in a list of menu items, requiring that you select the type of message to send. If this list does not appear, your phone automatically creates the type of message supported by your service provider:

- **Text:** A text mobile message can include text in addition to a call-back number.
- **Number only:** A number-only mobile message is like a numeric page: a call-back number (the sender's phone number) appears on the recipient's pager or phone screen.

Parts of a mobile text message

A message consists of a header and a body. The header may contain the sender's phone number or e-mail address and the date and time that the message was sent. If an entry in your phone book matches the sender's phone number, the sender's name also appears. The body contains the main part of the message. If you receive a message that was sent via e-mail, the subject (title) of the message may appear at the beginning of the message body.


Urgent mobile messages

An urgent priority level can be assigned to a mobile message. When you receive an urgent mobile message, **Urgent** appears in the message header. When you send an urgent mobile message, a similar notification message (or an icon) appears on the recipient's phone or other device (if the recipient's phone or other device supports it). See "Sending a message" on page 96.

Message delivery notification

When you send a message, you can request to be notified when the recipient receives the message. This notification is called a delivery note. See "Sending a message" on page 96.

• RECEIVING A MOBILE MESSAGE

When you receive a mobile message, the mobile message icon  appears and **Message received** (or **New emergency message**) is displayed. Also, depending on the message alert tone setting, a tone may sound. See "Message alert tone" on page 50. You can:

- 1 Press **Clear** to dismiss the notification and read the message later (it will be available from your Inbox).

OR

Press **Read** to read the message.


The Inbox opens with the new message selected.

If **No space: message waiting** or a similar message appears, there is no room left in your phone's memory. You need to make room for the message. See "Message storage" on page 85.

- 2 Press **Read** again.

If necessary, scroll to read the entire message.

- 3 At the end of the message, scroll further to view the sender's name or phone number and the date and time the message was received.

When you've seen the last new message, the  icon disappears.

Message options



While reading a message, you have several options. Depending on the type of message, some of these options may not be available.

Erase deletes the message. Press **OK** to confirm the deletion or **Clear** to cancel. For more information about erasing messages, see "Erasing messages" on page 98.

Reply allows you to send a message back to the sender. For more information about replying to a message, see "Replying to a message" on page 90.

Save sends the message to the Saved folder.

Use number allows you to quickly call or save a phone number if it was included in the message. If more than one number was included, a list of numbers is displayed.

- a) To save the number, read the message and make sure that the number you want to save is visible (if necessary, scroll to view it).
- b) Press **Options**, scroll to **Use number**, and press **Select**.
 If only one phone number appears on the screen, press **Call** (or press , then **Save**).
 If a list of numbers appears, scroll to a number, press **OK**, then press **Call** (or press , then **Save**).

Save address extracts one or more e-mail addresses from the message (if it contains any) and allows you to save the addresses in your phone book.

Forward allows you to send the message to another recipient. For more information about forwarding a message, see "Forwarding a message" on page 97.



Reply w/ copy allows you to send a message back to the sender. Your message will include a copy of the message you received. For more information about replying to a message, see "Replying to a message" on page 90.

• SENDING A NUMBER-ONLY MESSAGE

To create a text message, see "Creating a text message" on page 89. For information about number only messages, see "Types of mobile messages" on page 86.

- Press Menu 0-1-1-1 (Messages - Text messages - Write new).
 If **Text** and **Number only** appear in a list of menu items, scroll to **Number only**, then press **Select**.

Use the following guidelines when addressing your message and specifying a callback number:

- Use **Add number** to specify a recipient's phone number. The maximum number of characters allowed in a phone number is 32.
- When prompted to enter a recipient's phone number, you can manually enter it or search for it.
- When searching, the list of entries in your phone book is displayed. To quickly jump to an entry, press the appropriate key. For example, if the entry is **John (j)**, press the **5** key . To jump to **Kim (k)**, press the **5** key  twice.
- You can address your message to as many as 10 recipients. You can see a list of all recipients to whom your message is addressed (**List recipients**).
- You can create a message, save it in your Outbox, then address it and send it later (**Save**).



The callback number (**Callback no.**) is the phone number at which you want the recipient to call you. When prompted to enter a callback number, the default callback number (your mobile phone number) may appear in the field. You can use this number or enter a different number.

• CREATING A TEXT MESSAGE

Note: To create a number-only message, see "Sending a number-only message" earlier in this section.

There are four ways to create a text message. You can:

- **Write a new, blank message.**
- **Reply to a received message** (see "Replying to a message" on page 90)
- **Resend a message** (see "Resending a message" on page 97)
- **Forward a message** (see "Forwarding a message" on page 97)

Writing a new, blank message

- 1 Press Menu 0-1-1-1 (Messages - Text messages - Write new).
Do **Text** and **Number only** appear in a list of menu items?
 - **Yes:** Scroll to **Text**. Press **Select**. Go to the next step.
 - **No:** Go to the next step.
- 2 At this point, either address your message or begin writing it, or wait to address it later.
 - To address your message, scroll to **Add e-mail** or **Add number**, then press **Select**. See "Addressing a text message" on page 91.
 - To begin writing your message, scroll to **Edit message**, then press **Select**. The terms *writing* and *editing* refer to the process of entering text into a text message. See "Entering text into a message" on page 92.
- 3 After you have written your message, you can:
 - Address it (page 91) and then send it (page 96) OR
 - Save the message in the Outbox and address it and send it later (press **Options**, scroll to **Save**, then press **Select**).

Replying to a message

- 1 Read the message to which you want to reply.
 - If you just received the message and the Start screen is currently displayed, press **Read**.
 - If the message is in the Inbox folder, press **Menu 0-1-1-2**.
 - If the message is in the Saved folder, press **Menu 0-1-1-4**.
- 2 Scroll to the message, press **Read**, and then press **Options**.
- 3 Scroll to **Reply** (or **Reply w/ copy** if you want your reply to include a copy of the original message followed by the text of your reply).
If you choose to reply with copy, your message could be rather long. In some networks, a long message may be shortened (the end of the message may be cut off), preventing the recipient from seeing all of it.

4 Press **Select**.

After you write your message, you can:

- Address it (page 91) and then send it (page 96) OR
- Save the message in the Outbox and address it send it later (press **Options**, scroll to **Save**, then press **Select**).

• **ADDRESSING A TEXT MESSAGE**

Note: To address a number-only message, see "Sending a number-only message" earlier in this section.




Use the following procedure to address your message to one or more recipients:



- 1 Are you currently editing the message that you want to address?
 - **Yes:** Press **Options**, then go to the next step.
 - **No** (for example, you wrote the text message and saved it, intending to send it later): Open the Outbox (**Menu 0-1-1-3**). Scroll to the message you want to address. Press **Options**. Scroll to **Resend**. Press **Select**. Go to the next step.
- 2 Scroll to **Add e-mail** (to send the message to an e-mail address) or **Add number** (to send the message to a phone number), then press **Select**.
- 3 Enter the e-mail address or phone number, then press **OK**.

Notes about addresses

- You can address a text message to as many as 10 email addresses, phone numbers, or a combination of both. To see a list of all recipients to whom your message is addressed, scroll to **List recipients**, then press **Select**.
- The maximum number of characters allowed in a phone number is 32. The maximum number of characters allowed in an email address is 48.

- While entering a phone number or e-mail address, press and release **Clear** to delete one character, or press and hold **Clear** to delete all characters.
- If a recipient's e-mail address or phone number is in your phone book, you can quickly enter it by searching for the recipient's name. To search, press **Search**. To quickly jump to an entry in your phone book, press the appropriate key. For example, if the entry is **John (j)**, press the **5** key . To jump to **Kim (k)**, press the **5** key  twice. If an e-mail address or phone number is not associated with the entry that you select, a message will appear: **No e-mail address found** or **No numbers found**.
- When entering an email address manually, you can quickly enter the **@** symbol by pressing the **1** key  repeatedly until the **@** symbol appears.

• ENTERING TEXT INTO A MESSAGE


A counter in the top right corner of the screen indicates the number of remaining characters that you can enter into your message.

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

- To exit the message editor at any time and lose your text, press **Options**, scroll to **Exit**, then press **Select**.

Ways to enter text into a message

There are several ways to enter text into a message. You can:

- **Traditional (multi-tap) input method:** This is the default mode. This method requires that you press some keys more than once (multi-tap). For example, to enter the letter **c**, you must press  three times. See "Entering text and numbers" on page 40.
- **Predictive text input method:** When using the predictive text input method, your phone "guesses" which word you are entering, requiring that you press a key only once for each letter you enter. See "Using predictive text input" on page 93.

- **Templates:** A template is a predefined, commonly used sentence that you can quickly insert into a message. See "Templates" on page 96.

Activating predictive text input mode


By default, your phone is set in the traditional text input mode. Before you can use the predictive text input method, you must first activate the predictive text mode.

- 1 While editing a message, press **Options**, and scroll to **Predictive text**.
- 2 Scroll until the name of the language in which you want to edit your message appears, then press **OK**.

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Using predictive text input


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


Predictive text mode is indicated by the presence of the predictive text icon  at the top of the screen.

- If the icon does not appear, predictive text mode has been deactivated.
- To activate it, press **Options**. Scroll to **Predictive text**. Scroll until the name of the language in which you want to edit your message appears. Press **OK**.

Writing words

- To write a word, press each key only once for each letter of the word. For example, to write *hello*, press 4 - 3 - 5 - 5 - 6. The characters that you enter appear underlined. The word changes after each keystroke, so try not to pay attention to how the word appears on the screen until you have pressed all the appropriate keys.
- When you finish writing the word, check to make sure that the word is correct.


If the word is correct, enter a space (press the **O** key ) and write the next word.

If the word is incorrect and is underlined, press the Star key  repeatedly until the desired word appears. OR, press **Options**, scroll to **Matches**, then press **Select**. Your phone shows a list of words. Choose a word from the list, then press **Use**. OR, press **Back** to exit and return to the message editor.

- If the ? character appears after the word, there are no more words in the dictionary that correspond to your key presses. At this point, you can add the word to the dictionary by pressing **Spell**.

Writing compound words




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

- 1 Write the first part (*blue*).
- 2 Press  (do not enter a space).
The underline disappears from the first part.
- 3 Write the second part (*jay*).

Deleting characters


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

Changing the method of text input

To switch (toggle) between predictive  and traditional  text input modes, press the Pound key  several times until the icon that indicates the mode you want to use appears.

Tip: If you don't want to use predictive text input mode at all, you can deactivate it. (You can reactivate it later.) See "Deactivating predictive text input mode" on page 96.


Changing letter case modes

- To switch (toggle) between uppercase **ABC** and lowercase **abc** letter mode, press the Pound key .

If predictive text mode is active, if you don't wait at least 1.5 seconds between key presses, the text input mode will also be switched between traditional and predictive text.




If predictive text mode is active when you create a new message, the first letter of the first word that you enter will be uppercase.

Entering numbers

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

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Inserting special characters

- To insert a special character (such as a punctuation mark), press and hold the Star key . OR, press **Options**, scroll to **Insert symbol**, then press **Select**.
- To quickly insert a period (.), press the 1 key . To quickly insert double hyphens (--) or three dots (an ellipsis ...), press the 1 key  a few times.

Adding a new word to the dictionary

- 1 If the ? character appears after the word, press **Spell**.
OR, at any time while editing, press **Options**, scroll to **Insert word**, then press **Select**.
- 2 Enter the word using traditional text input, and press **OK**. If the dictionary is full, the new word replaces the oldest added word.

Changing the language of the dictionary

- 1 While editing a message, press **Options**.
- 2 Scroll to **Predictive text**, then press **Select**.
- 3 Scroll to a language, then press **OK**.
The selected language is now active.

Deactivating predictive text input mode

- 1 While editing a message, press **Options**.
- 2 Scroll to **Predictive text**.
- 3 Scroll to **Prediction off**, then press **OK**.
Your phone is now in traditional (multi-tap) mode.

Templates

Note: Templates are available in English only.

A template is a predefined, commonly used sentence that you can quickly insert into a message.

- 1 While you're editing a message, press **Options**.
- 2 Scroll to **Add template**, then press **Select**.
- 3 Scroll to the template you want to use:
 1. Call me at []. <phone number/time/place>
 2. I'll call you at []. <time/place>

...and so on.

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

• SENDING A MESSAGE

This procedure assumes that you have already addressed your text message (page 91) and entered some text into it (or have entered a callback number). Before you send your message, you can select one or more options. While you're editing the message, press **Options**, scroll to **Settings**, then press **Select**. To select an option, **Mark** it. To deselect an option, **Unmark** it.

- **Urgent:** Sets the priority level of your message to "urgent".
Urgent message or a similar notification will appear on the display screen of the recipient's phone or other device.

- **Delivery note:** When the recipient receives your message, the network will send you a delivery note. If you address the message to more than one recipient, you will receive a separate delivery note for each recipient.
- **Callback no.:** Allows you to enter a phone number at which the recipient can call you.

After you mark and unmark the options, press **Back**. The message **Save changes?** appears. To accept the changes that you made to the settings, press **Yes**. To discard the changes, press **No**.

To send the message, press **Options**, scroll to **Send**, then press **Select**. If the network can't send your message, a warning note should appear. Try to resend the message later. See "Resending a message" on page 97.

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• RESENDING A MESSAGE

- 1 Open your Outbox (**Menu 0-1-1-3**). Scroll until the message you want to resend is highlighted.
- 2 Press **Options**. Scroll to **Resend**. Press **Select**.
 - Before you resend your message, you can edit it. You can also edit the recipients list (**Add e-mail**, **Add number**, or **List recipients**).
 - All settings (**Urgency**, **Delivery note**, and **Callback no.**) that you chose for the original message are retained unless you edit the settings (**Options > Settings**).
- 3 To send the message, press **Options**, scroll to **Send**, then press **Select**.

• FORWARDING A MESSAGE

- 1 In the Inbox or Saved folder, read the message that you want to forward.
- 2 Press **Options**, scroll to **Forward**, then press **Select**.
- 3 Prepare your message as you would any other message that you create.
 - If the message you are forwarding is a text message, you can edit the message before you send it.

- If your phone is configured to be able to send a number-only message, you can forward a callback number as a number-only message, provided the original message was also a number-only message.
- 4 After you prepare your message, you can:
- Address it (for a number-only message, see page 88; for a text message, see page 91), then send it (page 96). OR...
 - Save it to the Outbox (press **Options**, scroll to **Save**, then press **Select**), then address it and send it later.

• ERASING MESSAGES

You can erase the message you're reading or several messages at once.

Erasing the message you're reading

Press **Options**, scroll to **Erase.**, then press **Select**.

Erasing multiple messages

- 1 Press Menu **0-1-1-5** (**Messages - Text messages - Erase**).
- 2 Scroll until the appropriate item in the list is highlighted, then press **Select**. Depending on your service provider, you may be required to confirm your choice or enter your security code (page 73) to prevent accidental deletion of messages.
 - **All read**: Erases all read messages in the Inbox (unread messages are not erased); erases all messages in the Outbox and Saved folders (the Outbox and Saved folders cannot contain unread messages).
 - **All in inbox**: Erases all messages (read or unread) in the Inbox.
 - **All in outbox**: Erases all messages (sent or unsent) in the Outbox.
 - **All saved**: Erases all messages in the Saved folder.

8 Data and fax calls

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

Your phone can function as a fax/modem when connected to your PC or laptop computer via the optional DLR-3P 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.

Note: Although your phone is capable of data transmission rates up to 56 Kbps, your actual transmission rate may vary, due to your service provider's network. Please check with your service provider for actual data transmission rates.

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CAN I RECEIVE A DATA OR FAX CALL WHILE A VOICE CALL IS IN PROGRESS?

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

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

CAN I RECEIVE OTHER CALLS WHILE A DATA OR FAX CALL IS IN PROGRESS?

No. The caller will receive a busy signal.

CAN I PLACE A VOICE CALL WHILE A DATA OR FAX CALL IS IN PROGRESS?

No. If a voice call is attempted while a data or fax call is in progress, the phone will display **End data call?** End the data or fax call from your computer's software, or press **Back** to return to the data or fax call in

progress. Even if a data or fax call is not in progress (data is not being transferred), you cannot place a voice call if the data cable is connected to the phone.

CAN I PLACE OR RECEIVE A DATA OR FAX CALL WHILE IN ANALOG MODE?

Yes, but it requires a special data cable and modem. Contact your service provider.

• **GETTING STARTED**

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

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

• **CONFIGURING YOUR DATA OR FAX SOFTWARE**

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


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

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

• **TO START A DATA OR FAX CALL**

Note: The restrict calls feature may affect any data/fax calls you attempt. If you experience problems, check your call restrictions. See page 28 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 the 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.


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

• TO RECEIVE A DATA OR FAX CALL

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

- 1 The appropriate data or fax software must be running. Consider setting your data or fax software to automatically answer incoming calls so you can receive them while away from your PC.
- 2 When you receive a call, **Data call** or **Fax call** appears and an alert sounds.
- 3 Terminate the data call from your data software; fax calls typically terminate automatically.

Note: Avoid terminating a call by pressing the End key . This may cause your data or fax application to temporarily lock up and could cause loss of data.

- **MANUAL SELECTION OF INCOMING DATA/FAX CALLS**

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

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

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

TO PRESET YOUR PHONE TO RECEIVE A DATA CALL:

AT+CSP=1

TO PRESET YOUR PHONE TO RECEIVE A FAX CALL:

AT+CSP=2

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

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

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

9 Accessories

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



A FEW PRACTICAL RULES FOR ACCESSORY OPERATION:

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Keep all accessories out of reach of small children.

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

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

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

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

Note: See page 7 for important battery usage information.

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

• BATTERIES

Several batteries are available for use in your phone:

- **BLS-2N** Extended Battery Li-Ion 900 mAh
- **BLS-4** Ultra Extended Battery Li-Ion 1500 mAh
- **BMS-2V** Vibrating Battery NiMH 900 mAh
- **BPS-2** Ultra Slim Li-Polymer 1100 mAh

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

Charging time

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

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Battery Option	ACP-7U Charger	ACP-9U/ LCH-9 Charger
BLS-2N Extended Battery Li-Ion 900 mAh	4 hrs	2 hrs
BLS-4 Ultra Extended Battery Li-Ion 1500 mAh	5-6 hrs	3 hrs 30 min
BMS-2V Vibrating Battery NiMH 900 mAh	4 hrs	1 hr 30 min
BPS-2 Ultra Slim Li-Polymer 1100 mAh	5-6 hrs	2 hr 30 min

Standby and talk times

Battery Option	Digital Talk Time	Analog Talk Time	Standby Time
BLS-2N Extended Battery Li-Ion 900 mAh	2 hrs to 2 hrs 55 min	40 min to 1 hr 25 min	70 to 110 hrs (dig) 10 to 15 hrs (ana)
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)
BMS-2V Vibrating 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)
BPS-2 Ultra Slim Li-Polymer 1100 mAh	2 hrs 20 min to 3 hrs 30 min	50 min to 1 hr 40 min	77 to 130 hrs (dig) 12 to 18 hrs (ana)

9

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

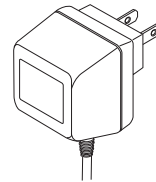
Note: Dispose of used batteries in accordance with local regulations.

• CHARGERS AND OTHER ACCESSORIES

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

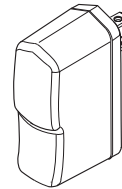
Standard Travel Charger (ACP-7U)

This lightweight (187g) and durable AC charger can be used with all battery options. To use the Standard Travel Charger, plug it into a wall outlet and connect the lead from the charger to the base of your phone. The charger can also be used together with the Compact Desktop Charging Stand (DCH-8).



Rapid Travel Charger (ACP-9U)

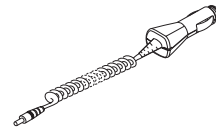
This lightweight (100g) AC charger can be used with all battery options. Calls can be made during charging, even with a fully discharged battery. To use the Rapid Travel Charger (ACP-9U), plug it into a standard 120V AC wall outlet, and connect the lead from the charger to the base of your phone.



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

Rapid Cigarette Lighter Charger (LCH-9)

You can charge your phone's battery from your vehicle battery by using the Rapid Cigarette Lighter Charger (LCH-9).

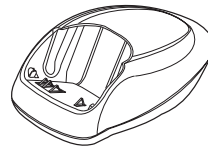


Calls are possible during charging. A green light indicates the charger is ready for charging (when not charging) or finished charging (if it has been charging). The battery charging times are the same as those for the Rapid Travel Charger (ACP-9U).

The input voltage range is from 11 to 32V DC, negative grounding. Avoid prolonged charging with the Rapid Cigarette Lighter Charger (LCH-9) when the car engine is not running; this may cause the battery of your car to drain. Note also that in some cars the cigarette lighter plug is not provided with electricity if the ignition is not switched on.

Desktop Charging Stand (DCH-8)

Used together with the Standard Travel Charger (ACP-7U) or the Rapid Travel Charger (ACP-9U), the Compact Desktop Charging Stand (DCH-8) is an economical choice when you need your phone close at hand.



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

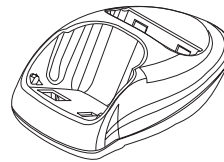
Charging is indicated by the scrolling battery bars on the right side of your phone's display. When the scrolling stops, the battery is approximately 80% charged.

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



Compact Desktop Charging Stand (DCH-9)

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



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

DCH-9 Rear Slot Charging Times				
Battery Option	Using ACP-7U		Using ACP-9U	
	Back slot only	Both slots full	Back slot only	Both slots full
BLS-2N Extended Battery Li-Ion 900 mAh	6 hrs 30 min	9 hrs 45 min	4 hrs	6 hrs 15 min
BLS-4 Ultra Extended Battery Li-Ion 1500 mAh	12 hrs	18 hrs	8 hrs	12 hrs
BMS-2V Vibrating Battery NiMH 900 mAh	6 hrs 30 min	9 hrs 45 min	4 hrs	6 hrs 15 min
BPS-2 Ultra Slim Li-Polymer 1100 mAh	8 hrs	13 hrs 30 min	5 hrs	7 hrs 30 min

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

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

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

10 Troubleshooting

WHAT IF CHARGING FAILS?

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

If charging still fails, disconnect the charger from your phone. Then reconnect the charger to your phone and retry. If you still experience charging problems, contact your dealer and, if necessary, bring your phone in to have it serviced. Don't forget your battery and charger.

NO SERVICE

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

10

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 18.

Check call restrictions means calls to the phone number you tried to call are restricted (see "Restricting calls" on page 69), or your phone is locked (see "Phone lock" on page 65).

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

IF YOU MAKE A MISTAKE DIALING

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

11 Reference information

Important safety information

TRAFFIC SAFETY

Do not use a hand-held telephone while driving a vehicle.

If using a hand-held phone park the vehicle before conversing.

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

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

Remember, road safety always comes first!

OPERATING ENVIRONMENT

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

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

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

ELECTRONIC DEVICES

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

PACEMAKERS

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

- Should always keep the phone more than 6 inches (20 cm) from their pacemaker when the phone is switched on;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to 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 (for example, electronic fuel injection systems, electronic anti-skid (anti-lock) braking systems, electronic speed control systems, air bag systems). Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

POSTED FACILITIES

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

POTENTIALLY EXPLOSIVE ATMOSPHERES

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions.

Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

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

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

Vehicles

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

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

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

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

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

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


Emergency calls

IMPORTANT!

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

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

MAKING AN EMERGENCY CALL

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

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

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

Radio Frequency (RF) signals

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.* Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone as reported to the FCC when tested for use at the ear is 1.36 W/kg and when worn on the body, as described in this users guide, is 1.26 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

Reference information

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID: GMLNSD-1AW.

For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only Nokia approved accessories. When carrying the phone while it is on, use the specific Nokia belt-clip that has been tested for compliance.

Use of non-Nokia-approved accessories may violate FCC RF exposure guidelines and should be avoided.

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Care and maintenance

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

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

12 Technical data

Weight <variable>	140.4 g (4.95 oz.) with BPS-2 Ultra Slim Li-Polymer Battery (1100mAh)
Size	136 cc (8.3 cu. in.)
Frequency Range <variable>	
Lowband	824.04 - 848.97 MHz (TX) 869.04 - 893.97 MHz (RX)
Highband	1850.04 - 1909.92 MHz (TX) 1930.08 - 1989.96 MHz (RX)
Transmitter Output Power	Up to 400mW
Battery Voltage	3.6 V nominal
Charging current	350 mAh max. using ACP-7U charger
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/fax transmission rate	14.4* Kbps
Fax type	Group 3 Send/Receive

Note: * Although your phone is capable of data transmission rates up to 56 Kbps, your actual transmission rate may vary, due to your service provider's network. Please check with your service provider for actual transmission rates.

13 Warranty

NOKIA One-Year Limited Warranty

Nokia Inc. ("Nokia") 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, Nokia will repair, or replace, at Nokia'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. Nokia will also pay for the labor charges incurred by Nokia 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. Nokia'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. Nokia 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 Nokia, 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 Nokia in Melbourne, Florida. Nokia 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 Nokia, 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 Nokia.

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

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

e) The defect or damage was caused by the defective function of the cellular system, by inadequate signal reception by the external antenna, or by viruses or other software problems introduced into the Product.

8. Nokia does not warrant uninterrupted or error-free operation of the Product. If a problem develops during the limited warranty period, the Consumer shall take the following step-by-step procedure:

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

Warranty

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 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) Nokia will repair or authorize the repair of the Product under the limited warranty within 30 days after receipt of the Product by Nokia or an Nokia authorized service center. If Nokia cannot perform repair covered under this limited warranty within 30 days, or after a reasonable number of attempts to repair the same defect, Nokia 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 Nokia 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 Nokia after the expiration of the limited warranty period, Nokia'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. NOKIA 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 NOKIA KNEW OF THE LIKELIHOOD OF SUCH DAMAGES. NOKIA 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.

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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. Nokia 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 Nokia 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 Nokia. 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 Care Center, USA
 - 7725 Woodland Center Blvd., Ste. 150
 - Tampa, FL 33614
 - Telephone: 1-888-NOKIA2U (1-888-665-4228)
 - Facsimile: (813) 249-9619
 - For the hearing-impaired only (TTY):
 - 1-800-24NOKIA (1-800-246-6542)
17. The limited warranty period for Nokia supplied attachments and accessories is specifically defined within their own warranty cards and packaging.

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