NOKIA
CONNECTING PEOPLE

User Guide

C O M M A N D @ H A N D

NOKIA
7160

Nokia 7160
User Guide

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

Copyright information

FCC/Industry Canada Notice

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

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

Contents

• For your safety

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

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

Switch Off In Hospitals
Follow any regulations or rules. Switch phone off near medical equipment.

Switch Off While On Aircraft
Wireless phones can cause interference. Using them on aircraft is illegal.

Switch Off When Refueling
Don't use phone at a refueling point. Don't use near fuel or chemicals.

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

Interference
All wireless phones may get interference which could affect performance.

Use Sensibly
Use only in the normal position (to ear). Don't touch the antenna unnecessarily.

Qualified Service
Only qualified service personnel must install or repair equipment.

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

Connecting To Other Devices

When connecting to any other device, read its user's guide for detailed safety instructions. Do not connect incompatible products. Remember to make backup copies of all important data.

Making Calls

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

Emergency Calls

Ensure the phone is switched on and in service. If the word "Clear" appears on the display above the key, press and hold Clear to clear the display. Enter the emergency number, then press TALK . Give your location. Do not end the call until told to do so.

Infrared Precautions

Do not point the IR beam at anyone's eyes or allow it to interfere with other IR devices.

• **Your phone's label**

The label found on the back of your phone (under the battery) contains important information about your phone, including the model and serial numbers. You will be required to provide information from this label, in the event you call Nokia Customer Service (or call your service provider). Therefore, please *do not* remove or deface this label.

1. Welcome

Congratulations on your purchase of a Nokia 7160 mobile phone. You are now on your way to using a new and exciting tool.

However, before you use your phone, read this chapter. It provides information that you need to know about how to use this manual and how to contact Nokia.

• Network services

Call Forwarding and Call Waiting are two examples of features called Network Services. Network Services are special services provided by your wireless service provider, and are described later in this guide. Before you can take advantage of any of these Network Services, you must subscribe to these service(s) from your wireless service provider and obtain instructions from them for their use.

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

Updates

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

• How to contact Nokia

Nokia Contact Center	Customer Care, Canada
Nokia Customer Care Center 7725 Woodland Center Boulevard, Suite #150 Tampa, Florida 33614 Tel: 1-888-NOKIA2U (1-888-665-4228) Fax: 1-813-249-9619 TTY: 1-800-24NOKIA (1-800-246-6542)	Nokia Products Ltd. 575 Westney Rd. South Ajax, Ontario L1S 4N7 Tel: 1-888-22NOKIA (1-888-226-6542) Fax: 1-905-427-1070

• Contacting your service provider

Some service providers have pre-programmed their customer support number into the phone. Pressing and holding the `2 abc` key (or the key that your service provider instructed you to use) for 2 seconds will automatically dial their customer support number. This feature can be helpful if you're having difficulties dialing a number, especially when traveling outside your home area.

If your service provider deems your problem to be Nokia-related, they will direct you to contact Nokia Customer Service.

Note: This one-key feature might not be available on all systems. Contact your service provider for availability.

2. Before you begin

• Attach your battery
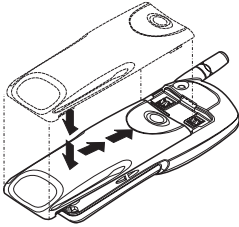
Prior to using your phone, the battery must be installed and charged. Grasp the phone near the display (rather than on the slide mechanism). Place the battery in the grooves on the back of your phone. Then slide the battery upward until it clicks.

Note: Use only those batteries approved by the phone manufacturer. See *"Using batteries and chargers" on page 112.*

• Charge your battery

1. With your phone on or off, connect the lead from the charger to the bottom of the phone.

2. Connect the charger to an AC wall outlet. The battery indicator bar starts to scroll after a few seconds.

3. Disconnect the charger from the phone and AC outlet when the battery is fully charged.
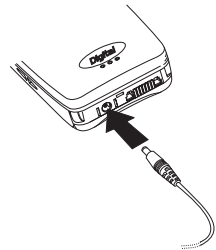
   Note: When the indicator bar stops scrolling, the battery will accept a "trickle charge" for an additional 2 hours until it is 100% fully charged (except BMS-2V). See "Charging Times" on page 96 for more information.

Important battery information:

- Recharge your battery only with the chargers approved by the manufacturer.
- The phone can be used while charging if the phone is switched on.
- If the battery is totally empty, it may take a few minutes before the charging indication appears on the display.
- If the phone is switched on when charging is completed, **Battery full** is displayed on the screen momentarily.
- Unlike NiMH batteries, the BLS-2S Li-Ion battery does not need to be fully discharged before recharging.
- Charging time depends on the charger and battery used. For example, the charging time for the BLS-2S battery with the ACP-8U charger takes about 2 hours. See page 96 for charging times.

• Removing the battery

It is necessary to remove the existing battery if you purchase (and want to use) a different battery model, or have purchased a spare battery.
To remove the battery:

1. Make sure the phone has been turned off for 10 seconds.
2. While holding the phone by the display (and not on the slide mechanism), press and hold the battery release button.
3. Slide the battery downward and away from the antenna.
4. Remove the battery from the grooved back of the phone.

Prolonging battery life

A NiMH battery lasts longer and performs better if you fully discharge it from time to time. To discharge your battery:

- Leave your phone switched on until the battery is drained. Ignore any messages to recharge your battery.
- Use the battery discharge feature of any approved accessory available for your phone.

Note: Do not attempt to discharge the battery by any means other than those just described.

3. About your phone

• Diagrams

Front

Fixed antenna

Power key

Phone Display

Earpiece

Selection keys

Navi^TM roller

Microphone

Sliding key cover

Back

Bottom

Headset, DLR-3P

External antenna jack
(utilized by Car kit)

Infrared port

AC power
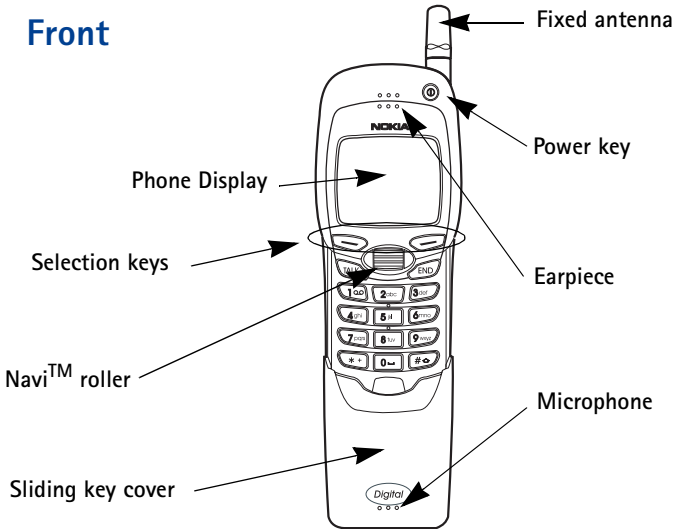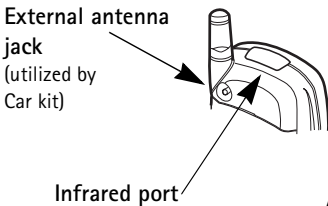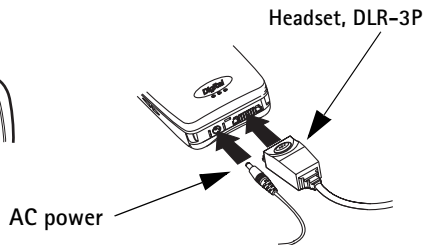
• Switch the phone on (or off)

To switch the phone on or off, press and hold ⓪ for 2 seconds.

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

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.

• About your phone's display

Your phone's display provides several different types of information through the use of various display indicators and icons. Most essential indicators and icons related to various phone functions are explained later in this user's guide.

The Start screen

The Start screen refers to the phone's display when no calls are in progress, and there are currently no menu or phone book entries displayed.

You can easily return to the Start screen from any location (other than an active call) simply by pressing the [END] key. However, keep in mind that any text or numbers that you were entering at the time will be lost, and your work will not be saved.

HOME Often times your service provider's name will appear here.

📶 Shows the signal strength of the wireless network at your current location. The higher the bar, the stronger the signal.

🔋 Shows the battery charge level. The higher the bar, the more power in the battery.

▯ Indicates that you are in a digital network.

Header and scroll bar

A header line appears at the top of your screen when in the phone book or while navigating the menus, providing you with a reminder of the phone book entry you are working with, or functions as a reminder of the menu or sub-menu with which you are working.

Header   Scroll bar
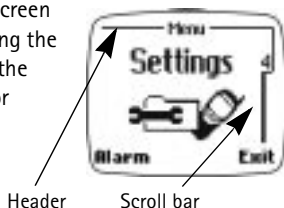
A scroll bar is displayed on the right edge of your screen, giving you a visual representation of your relative position while navigating the menu and sub-menu structure. The scroll bar is not visible in the phone book.

• Indicators and Icons

The following is a collection of the various other indicators and icons that you may see on your phone's display:

Icon	Description
	You have an active call.
	The phone is waiting for you to enter numbers or text.
	You have turned off your phone's keypad tones, warning tones, message alert tones, and set your ringing tone to **Silent**.
	Keyguard has been activated to help prevent any accidental keypresses.
	You have one or more voice messages waiting.
	You have one or more unread text messages waiting.
	Digital service is available.
ABC	Any characters you enter will be upper-case letters or numbers. Press the key to switch letter case.

Icon	Description
abc	Any characters you enter will be lower-case letters or numbers. Press the `# ↺` key to switch letter case.
Abc	Indicates sentence case. You will not need to switch between upper case and lower case for the first word in a sentence. Available when entering calendar notes, to-do list events, or writing text messages. Also indicates title case. Automatically capitalizes first letter in every word. Available when entering names in the phone book.
123	Appears when you press and hold the `# ↺` key while entering/editing text. Only numbers can be entered while in this mode.
?!£	Indicates insert special characters mode. Appears when you press and hold the `* +` key while entering/editing text. Only special characters can be entered.
🐾	The alarm clock is set.
〰	You have a general reminder entered in your calendar (appears only on Calendar display).
🎂	You have a reminder in your calendar that it's someone's birthday (appears only on Calendar display).
☎	You have a reminder in your calendar to call someone (appears only on Calendar display).
📷	You have a reminder in your calendar of a meeting (appears only on Calendar display).
▯	Indicates an active data or fax call.
🖥	Appears when the DLR-3P data cable is connected to your phone.

• Using the keys

The following table contains information on using the various keys found on your phone:

Key:	Description:
⓪	**Power:** Press and hold to switch the phone on or off.
⌐ ⌐	**Selection:** Press to perform the function indicated by the label above the key (on the phone's display).
▤	**Roller:** Roll to scroll through lists or menus. Press to select the highlighted item. Used during a call to adjust the earpiece volume. *See page 12.*
TALK	**Talk:** Press to make a call to name/number shown on the display or to answer a call. Press once at the Start screen to enter the list of last dialed numbers.
END	**End:** Press to end a call or to silence an incoming call.
0 - 9wxyz	**Number:** Used for entering numbers and letters. Tip: Press and hold 1∞ to call your voice mailbox.
✳+ #☐	**Special characters:** ✳+ is used for entering special characters. #☐ is used to perform special functions (example: changing letter case in alpha mode).

Using the selection keys

Two selection keys are located below the display. Their functions can be identified by the text shown above the keys in the display.

For example, pressing the left selection key ⌐ when **Menu** appears above it displays the first of many menus.

Similarly, pressing the right selection key ⌐ when **Names** appears above it displays the phone book menu.
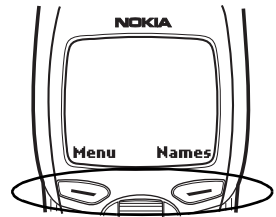
In this manual, the selection keys are referred to by the texts that appear above them, and appear in bold (for example, **Menu** or **Names**).

Left selection key

The left selection key will frequently display one of the most commonly used sub-menus when scrolling through the phone's menu. For example, when you access the **Messages** menu, the left selection key is **Inbox**. Use this shortcut to access the feature displayed, or press the roller to access the entire list of sub-menus.

• **Using the Navi™ roller**

The Navi™ roller is a multi-function key used to navigate through your phone's menus and phone book.

Roll the roller up or down to scroll through lists of names and numbers, or through the phone's menus, submenus and option lists.

Press once to perform one of the following (depending on what is displayed):

- show details of the highlighted name or number
- display a sub-menu (same as pressing the **Options** selection key, whether visible or not).
- select the highlighted function or setting
- automatically select the most frequently used menu or sub-menu option

Press and hold to make a call to the name or number displayed when the sliding cover of your phone is closed.

Tips:

- Pressing the roller is the same as pressing **Select**.
- Press the roller when no calls are in progress (or when no menus are displayed) to display the Phone book's Names List. *For information about customizing the roller's function, see page 50.*
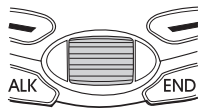
• Using the sliding cover

The sliding cover protects your phone's keypad, and can be used to answer, end or reject a call. (See page 21 for details.)

To open the sliding cover, slide it down.

To close the cover, slide it up until it locks into place.

Tip: Closing the sliding cover always exits the menu or phone book functions and returns you to the Start screen.

Note: If you have locked the keypad of your phone, the keypad is always unlocked when you open the sliding cover.
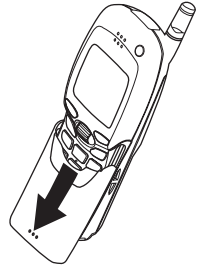
To close the sliding cover without ending a call:

1. Before closing the cover, press the **Options** selection key

2. Close the sliding cover.

To end a call with the sliding cover closed:

• Press the **Options** selection key (when it appears), scroll to **End all calls**, then press the roller.

Just in case

If the plastic part of your phone's sliding cover accidentally comes off, reattach it as described on the following page:

1. Make sure metal frame of slide is fully extended and locked into the open position. (slide will "click" into place).

2. Place the right edge of the plastic slide cover on the right side of the metal frame (depressing the microphone contacts in the process).

3. Rotate the plastic slide cover onto the metal slide frame. Make sure the middle snap is secured properly (turn the phone over to check).

4. Press the left side of the plastic slide cover onto the metal slide frame until it snaps into place.

5. Check to confirm that all 3 snaps are securely fastened.

4. Your phone's menus

The phone's menus allow you to tailor the phone to your needs. Each menu can contain several levels of submenus.

The menus and submenus can be accessed by rolling the roller or using the appropriate shortcut number (see page 16).

Help texts
A brief help text is available for most menu items. To view the help text, scroll to the desired menu function and wait for 10 seconds.

• Browsing the menus via the roller

Using the multi-function Navi roller, you can scroll through the various menus and sub menus by rolling the roller up or down. To make your selection, simply press the roller.

1. Press **Menu**.

2. Use the roller to scroll to the desired main menu.

3. Press the roller to make your choice (for example, **Settings)**, and to view the sub-menu(s).

   Note: If the submenu contains submenus, scroll to the desired submenu and press the roller to select (for example, **Call settings**).

4. Scroll to the desired setting option (for example, **1–touch dialing**) and press the roller to select.

Tips:
• Some of the most frequently used sub-menu options can be found by rolling up, in addition to rolling down.

- You can return to the previous menu level by pressing **Back**, or exit the menu by pressing **Exit** (if displayed).

- You can exit the menu by pressing and holding **Back** (including when the slide is closed).

- You can always exit the menu by pressing END without changing the menu settings. Pressing END returns you to the Start screen.

Accessing a menu function by its shortcut

Most menu items (menus, submenus and setting options) are numbered and can be accessed by their shortcut number. The shortcut number is shown in the top right corner of the display. For menu shortcut numbers see "List of main menu functions" on page 16.

1. Press **Menu**.

2. Within 3 seconds, enter the first number of the menu function you want to access. Repeat until you have entered all of the numbers.

For example: To set the menu function **1-touch dialing** to on, press **Menu 4-2-3-1** (**Settings**-**Call settings**-**1-touch dialing**-**On**).

• List of main menu functions

1   Messages
   01-1   Inbox
   01-2   Outbox
    1-3   Archive
    1-4   Voice messages
        1-4-1   Listen to voice messages
        1-4-2   Voice mailbox number
    1-5   Erase messages
        1-5-1   All messages
        1-5-2   Inbox
        1-5-3   Outbox
        1-5-4   Archive
    1-6   Write messages
    1-7   Write e-mail

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

3 Profiles
- 3-1 Normal
  - 3-1-1 Select
  - 3-1-2 Customize
    - 3-1-2-1 Ringing options
    - 3-1-2-2 Ringing tone
    - 3-1-2-3 Ringing volume
    - 3-1-2-4 Message alert tone
    - 3-1-2-5 Keypad tones
    - 3-1-2-6 Warning and game tones
    - 3-1-2-7 Allowed caller groups
    - 3-1-2-8 Vibrating alert *(only when vibrating battery is attached)*
- 3-2 Silent
  - 3-2-1 Select
  - 3-2-2 Customize (same submenus as Normal profile)
  - 3-2-3 Rename
- 3-3 Meeting (same submenus as Silent profile)
- 3-4 Outdoor (same submenus as Silent profile)

1. Automatically selected when placed in car kit or hands free desk charging stand.
2. Automatically selected when headset is attached.

5. Making/receiving calls

The following pages give you a brief description of the different ways to handle incoming and outgoing calls.

Making a call using the keypad

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

Making a call using the phone book

For instructions on saving names and numbers to your phone book, see *"Working with the phone book" on page 26.*

1. Press the roller and scroll to the desired name/entry.
2. Press the roller and scroll to the desired number.
3. Press the roller.

Note: *Sliding cover can be open or closed.*

Making other types of phone calls

For more information on:

- Making a call using voice dialing, see *"Dialing a number using voice dialing" on page 43.*

- Making a call with the sliding cover closed, see *"Making a call using the phone book" on page 20.*

- Making a call using 1-touch dialing, see *"1-touch dialing" on page 44.*

- Making an emergency call, see *"Making an Emergency Call" on page 117.*

Answering a call

You can answer a call using any one the following methods:

- Open the sliding cover, OR

- Press the **Answer** selection key, OR

- Press [TALK] .

Ending a call

You can end a call using any one the following methods:

- Close the sliding cover, OR

- Press the **End call** selection key, OR

- Press the [END] key

Rejecting a call

If you don't want to answer a call, but still want to silence the ringer and allow the call to go to your voicemail:

- Close the sliding cover, OR

- Press the **Silent** selection key, OR

- Press [END]

Last number redial

The last ten phone numbers you dialed are saved in the phone's memory. To redial one of these last dialed numbers:

1. At the Start screen, press [TALK] . A list of the last 10 numbers dialed appears.

2. Scroll with the roller to the desired name/number.

3. Press [TALK] to dial the displayed name/number.

Also see *"Call log" on page 29*.

Calling your voice mailbox

Note: Voice mail is a network service. For more information and for the voice mailbox number, contact your service provider. Also see *"Voice messages" on page 32*.

To call your voice mailbox:.

- Press and hold [1⏻] (at the Start screen)
  OR

- Press **Listen** when **New voice message**
  and the ⏻ icon is displayed.

Note: If the phone asks for your voice mailbox number,
enter it and press **OK**.

• Adjusting the earpiece volume

You can adjust the earpiece volume while in a call
by rolling the Navi roller upwards to increase the
volume and downwards to decrease the volume.
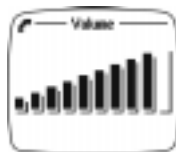
Note: You may need to press the **Clear** key to delete any characters on
the phone's screen prior to adjusting volume.

6. Letters and numbers

When working with the phone book, calendar, or to-do list, you can enter letters and numbers either via the phone's keypad (1 to 9), or using the roller. When working with text messages or the to-do list, an additional option, called "predictive text input" is also available. For more information on this feature, see *"Using predictive text input" on page 64*.

Entering characters via the Navi™ roller

Enter letters, numbers, and punctuation using the roller

1. Use the roller to scroll through the available characters (upper/lower case characters, numbers, and punctuation).

2. Press the roller to insert the highlighted letter or number.
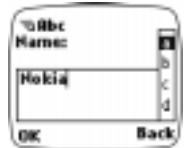
TIP:

- If you make a mistake, you can remove characters to the left by pressing **Clear** as many times as needed. Pressing and holding **Clear** clears the screen.

- To move the cursor, scroll to one of the arrow symbols (◀ , ▲ , ▶ , or ▼) and press the roller to move the cursor in the direction of the highlighted arrow symbol.

Note: You can also move the cursor by first pressing **Options**, then pressing the roller at **Move cursor**. Scroll to the location you want and press **Done** to move the cursor.

Entering characters via the keypad

If you chose to use the keypad when entering text and other characters, the keypad functions in 2 modes: alpha mode and numeric mode. A status indicator in the upper left corner indicates what mode you are in.

Alpha mode has 4 sub-modes: **ABC** (upper case) and **abc** (lower case), title case, and sentence case (both indicated by **Abc**). Numeric mode is indicated by **123** in the upper left corner of the display.

To enter a character, press the key labeled with the character you want; press once for the first character, twice for the second and so on.

The available characters, depending on the display language chosen (see page 52), are:

KEY	CHARACTERS	KEY	CHARACTERS
1	. , ? ! - & 1	6	M N O 6 Ö Ô Ñ Ò Ó Ø
2	A B C 2 Ä À Á Â Ç Ã Æ	7	P Q R S 7 $ ß
3	D E F 3 È É Ë Ê	8	T U V 8 Ü Ù Û Ú
4	G H I 4 Î Ï Ì Í Ð Ý	9	W X Y Z 9
5	J K L 5 £	0	space, 0

- To switch between upper case and lower case, press [# ⇧] quickly.
- To insert a number, press and hold the corresponding number key. Or, press and hold [# ⇧] to switch to number mode. To switch back to alpha mode, press and hold [# ⇧] again.
- To insert a space, press [0 ⎵] (only works in alpha mode).
- Pressing [✳ +] brings up a list of special characters. Scroll to the desired character and press the roller to select the highlighted character.

TIP: When entering names in phone book, the phone uses *title case*, which automatically writes the first character of a name in upper case and the rest of the name in lower case. When writing a text message or other text, the phone uses *sentence case*, which automatically writes the first character of each sentence in upper case.

7. Phone book

You can save up to 1000 entries (names and associated numbers) in your phone's phone book. In addition, your phone book is capable of storing multiple numbers for each name (fax, business, mobile, etc.), as well as text information (postal address, e-mail address, etc.).

Note: For more information on saving multiple numbers per name, as well as other information, see page 45.

• Saving names and numbers

Saving names and numbers

There are several ways to save names and numbers in your phone book. To quickly save a number and name (Quick Save):

1. Enter the phone number using the keypad.

2. Press the left selection key twice (**Options** - **Save**).

3. Enter a name and press **OK**.

4. Press **Done** to return to the Start screen.

TIP**:** Pressing and holding the **Options** selection key for 2 seconds after entering the number will store the number only.

Saving via the phone book menu

1. Press **Names**.

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

3. Enter the name and press **OK**.

4. Enter the area code (as necessary) and phone number, and press **OK**.

• Working with the phone book

Using the phone book

*   Press **Names**, scroll to the desired function (for example, **Add entry** or **Find**) and press the roller.

Accessing your list of saved names and numbers

*   At the Start screen, press the roller. The Names list will be displayed.

TIP: You can also access the phone book by pressing **Names**, then select **List names** from the sub-menu.

Making a call from the phone book

Making a call from the phone book can come in handy when you want to make a call with the slide closed.

1. Press **Names**, then select **List names** (or press the roller).
2. Scroll to the desired name.
3. Press and hold the roller to call the highlighted name.

If there is more than one number saved under the name:

1. Scroll to the desired name, and press the roller.
2. Scroll to the desired number; press and hold the roller to dial the call.

Note: For more information on saving multiple numbers per name, see *"Multiple numbers per phone book entry" on page 45*.

• Phone book menus

*   **List names**
*   **Find**
*   **Add entry**
*   **Edit**
*   **Erase**
    *   One by one
    *   Erase all

- **Add number**
- **Options**
  - Phone book view
  - Memory status
- **1–touch dialing**
- **Caller groups**
  - Family
    - Rename group
    - Group ringing tone
    - Group graphic
    - Group members
  - VIP *(same sub-menus as Family)*
  - Friends *(same sub-menus as Family)*
  - Business *(same sub-menus as Family)*
  - Other *(same sub-menus as Family)*
- **Voice tags**

• Organizing the phone book

Editing a name and number

You can easily edit the name of a phone book entry, as well as the number or numbers assigned to that entry.

1. Recall the phone book entry you want to edit and press **Options**.

2. Select **Edit name**.

3. Edit the name and press **OK**, then select the number you wish to edit and press **Options**.

4. Scroll to **Edit number** and press **Select**.

5. Edit the number and press **OK**.

TIP: If you have other text information saved with this Phone book entry, highlight the entry and use **Edit text** to edit postal or E-mail address, or to edit the text note you have saved under a name.

Erasing a phone book entry

You can remove a phone book entry (name and phone number(s)) from the phone book one by one or erase the entire contents of your phone book.

Erasing a phone book entry

1. Press the roller, scroll to the phone book entry to erase, and press **Options**.

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

3. Press **OK** to confirm your choice.

Note: All details (including multiple numbers and any text information) will be erased when using this option, and cannot be undone.

Erasing all phone book entries

1. At the Start screen, press **Names**.

2. Scroll to **Erase** and press the roller.

3. Scroll to **Erase all** and press the roller.

4. Press **OK** to confirm your selection, enter your security code, then press **OK** to complete the process.

Note: Once all names and numbers have been erased, they cannot be recovered.

8. Call log

Your phone keeps a log (record) of call-related information including the **phone number** of the other party. Calls are classified as *missed* (unanswered), *received* (answered), or *dialed* (either via the phone book or numbers entered from the keypad). In addition, the call log can record:

- The **duration** (elapsed time) of the last call.
- The **date and time** when the call was connected.

For this feature to work properly

- you must have a subscription to Caller ID service.
- your phone was turned on and in a digital service area when the party placed the call.
- the caller did not choose to block Caller ID.
- the phone's time and date must be set.

Note: If the incoming call has caller ID blocked, the number cannot be recorded in the call log. For example, if you miss a call whose caller ID is blocked, pressing **List** at the missed call message will cause the message **No new numbers** to be displayed, then present the most recent call whose caller ID was available.

Viewing call-related information

Your phone records information about the 10 most recent missed, received, and dialed calls (10 entries for each type of call). To view call log entries:

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

2. Scroll to the type of call for which you want to view call-related information (**Missed calls**, **Received calls**, or **Dialed calls**), then press **Select**.

3. If a phone book entry or phone number is displayed:

   - press ⌊TALK⌋ to dial the number, or
   - press **Options** to view the associated details of the call or work with the number.

Note: If the call log is empty, **No numbers** is displayed.

TIP: You can also access the last 10 dialed numbers by pressing [TALK] then use the roller to scroll through the list. Press and hold the roller to redial the number, or press **Options** to work with the entry.

Call-related information options

The following options are available for call log entries:

- **Call** - Redials the number displayed.
- **Call time** - Displays the date and time when the call was first connected (if clock has been set).
- **Edit number** - Allows you to edit the number in the call log.
- **Save** - Allows you to quickly add the number to your phone book
- **Add to phone book** - Allows you to save the number to an existing phone book entry.
- **Erase** - Erases the number from the call list (does not erase the number from your phone book, if it exists there)
- **View number** - When log entry matches a number in your phone book, this option permits you to view the number associated with the phone book entry (this option appears only if the number is stored in the phone book and a name is associated with it).

Press the **Options** selection key to view any of the above options for an entry in the call log.

Clear call lists

This feature allows you to clear numbers from any one of the call lists, or all call lists simultaneously. To clear the call list(s):

1. Press **Menu 2-4** (**Call log** - **Clear call lists**).
2. Scroll to **All calls**, **Missed calls**, **Dialed calls**, or **Received calls**, and press **OK** (**All calls** will clear all call lists, while the others clear their respective call lists).

IMPORTANT: You cannot undo this operation.

Note: When the Dialed calls list is cleared, it includes the shortcut to this list accessed when you press TALK and roll with the roller.

• **Other call log options**

Call timers

This menu feature is used to display the call duration of the **Last call** placed, and **All calls** made since the phone was reset by the user. The **Life timer** displays duration of all calls for the life of the phone (and cannot be reset).

The phone can also display the call timer for the current call while in a call; when the call is completed, the timer displays the final call length. Press END to clear the timer from the display.

To display/hide current call timer:

1. Press **Menu 2-5-1** (**Call log**-**Call timers**-**Last call**); press **Details** (or wait 2 seconds).

2. Press **Select**; scroll to either **On** or **Off**, and press **OK**.

Clear call timers

This feature clears all call timers (except for the life timer) for your phone.

Note: This action cannot be undone.

To clear all call timers:

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

2. Press **OK** (or wait 3 seconds).

3. Enter your security code (see page 58), and press **OK** to clear timers.

9. Voice messages

Voice Mail is a feature that enables those who call you to leave a voice message, in the event you are unable to answer your phone. Using your phone in conjunction with your service provider's voice mail system, you can retrieve your messages at any time.

When you receive a voice message, **New voice message** will appear on the display (along with the icon), and you'll hear a short beep. If you've received more than one message, your phone will indicate the number of new voice messages received.

Setting up your voice mailbox

Before you can retrieve any voice messages, you need to store your voice mailbox number in your phone. If your service provider has not already done this for you, they should provide you with information needed to access your voicemail.

To store your voice mailbox number:
- Press **Menu 1-4-2**. Enter your voice mailbox number and press **OK**. *(This number can be up to 32 digits long).*

Greetings, passwords, and prompts

These may vary in different wireless systems. Your service provider should have provided you with information regarding how to record your greeting or how to store your password, in addition to information on how to listen to voice messages (once you've connected to your voice mailbox).

Listening to your voice messages

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

You can listen to messages anytime if you press and hold (or press , then press); **Calling voice mailbox** will appear on the display. Or if you prefer, you can access your voice mailbox by pressing **Menu 1-4-1**.

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10. Profiles

Your phone has various ways of notifying you of incoming calls, voice and text messages, reminders and warnings. The various settings relating to the audible, visible and vibrating alerts are stored as "profiles" in your phone. These profiles can be recalled quickly, based on the setting or environment in which you find yourself.

The following customizable profiles are available: **Normal**, **Silent**, **Meeting**, **Outdoor**, and **Pager**.

In addition, your phone has special profiles that are recalled when you plug in the optional headset, use the optional car kit, or use the hands free desktop charging stand (**Headset** and **Hands free**). Connecting your phone to these devices automatically enables these profiles.

Normal is the default setting. However, you can switch to another profile as described in the next section.

For more information on customizing a profile, see "Customizing a profile" on page 50.

• Selecting another profile

1. At the Start screen, press the ⓞ key momentarily.

2. Scroll to the profile to that you want to use.

3. Press the Navi roller to select the profile.

Note: Use the **Silent** profile to silence the ringer on your phone.

TIP: You can also access the profiles list by pressing **Menu**, scrolling to the **Profiles** menu, then pressing the Navi roller.

11. Advanced calling features

Once you have familiarized yourself with the basic features of your phone, you may want to consider the following features to increase your productivity and enhance your calling experience.

• Exploring the In-call menu options

Your phone provides you with a number of features and options while you are in a call. Press the **Options** selection key while in a call to display the following in-call menu options:

Choice	What it does
Send touch tones	Sends a series of touch tones (either stored in the phone book, or entered from the keypad).
Send flash	Sends a flash command to the network (either stored in the phone book, or entered from the keypad).
New call	Allows you to initiate a new call for 3-way calling.
End all calls	Ends all active calls (mainly for call-waiting/3-way calling).
Phone book	Allows you to access your phone book and all related menus.
Menu	Used to access your phone's menu.
Mute	Used to mute the phone's microphone.

The following can be performed while a call is active:

Send touch tones

When you press the keys during a call, your phone generates sounds known as touch tones. Use touch tones to access many automated, over-the-phone services such as voice mail, checking airline arrival/departure times, and bank balances. You must be on an active call to send touch tones.

To send a series of touch-tones to the wireless system:

1. While in a call, press **Options**.

2. Select **Send touch tones**

3. Enter the string of touch tones to be sent via the keypad and press **Tones**, OR:

   Press **Find**, select the appropriate touch tone string saved in your phone book, press **Select**, then press **Tones**.

Note: Touch tones are sometimes referred to as DTMF tones.

Send flash

This option allows you to send various types of commands to the wireless network (for example, transferring a call to another number). Consult your service provider for more information on how to use this feature.

End all calls

This option allows you to end all active and waiting calls simultaneously. Pressing the `END` key during a 3-way call also ends all calls.

New call

This option is used to initiate a 3rd call for 3-way calling. Select this option, enter the new phone number, then press **Call**. Press `TALK` to connect the new call to the call already in progress.

Accessing Phone book and Menu

Use these 2 options to access your phone book, or the phone's menus. After selecting either of these 2 options from the in call menu, use the Phone book or phone's menus as you normally would.

Note: Not all of the Menus and Phone book options are available during a call (for example you cannot add a voice tag to a number while you have an active call).

Muting/unmuting the microphone

You can mute and unmute your phone's microphone while a call is in progress. When your microphone is muted, you can still hear the other caller.

1. Press **Options**.

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

3. To unmute the microphone, press **Unmute**.

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

Anykey answer

When this feature is turned on, you can answer an incoming call by briefly pressing any key (while the sliding cover is open) except the **Silent** selection key, ⓪ or ⌸END.

To enable/disable Anykey answer:

1. Press **Menu 4-2-1** (**Settings** - **Call settings** - **Anykey answer**)

2. Scroll to either **Off** or **On**, and press **Select**.

• Caller ID

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

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

Note: If you have stored a number more than once in your phone book, and that number is stored each time with a different name, then a name will not appear when someone calls from that number. See "Phone book" on page 25 for details on your phone book.

• Call forwarding

This network service allows you to forward your incoming calls to another number (for example, your home or office phone number). Contact your service provider for more details, and for the proper activation codes.

You can select one of the following forwarding modes:

- **Forward all calls** - all voice calls are forwarded and no ringing tone is played at an incoming call.

- **Forward calls if number busy** - voice calls are forwarded when your number is busy.

- **Forward calls if not answered** - voice calls are forwarded when you don't answer a call within the preset time-out.

- **Forward calls if out of reach or phone is off** - voice calls are forwarded when your phone is switched off or outside of the network service area.

- **Cancel all call forwarding** - all call forwarding options are cancelled.

For each of the above modes you can select **Activate** (turns forwarding on if allowed by the network) and **Cancel** (turns forwarding off). For more information on activating this service, see "Network feature setting" on page 91, and "Call forwarding" on page 91.

• Call waiting

This network service lets you receive an incoming call when you're already in a call. (Contact your service provider for availability.) The phone beeps to let you know of the incoming call.

To answering a waiting call:

Press the ⬚TALK key (or the **Answer** selection key) to automatically place the current active call on hold and answer the new call.

To reject a waiting call

Either let the phone ring, or press the **Quit** selection key.

To switch between the 2 calls

- Press TALK

To end the active call

Simply allow the other party to hang up; the call on hold then becomes the active call. OR:

1. Press END while in the active call.

2. The network will cause the call on hold to call your phone. Answer this as you would any normal incoming call.

• **Send own caller ID with next call**

This feature allows you to block caller ID when you call someone (your number will not be displayed on their caller ID). This feature works on a per-call basis. Contact your service provider for more details.

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

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

For more information on activating and using this service, see "Network feature setting" on page 91, and "Send own caller ID when calling" on page 93.

• **3-way conference calls**

This network service allows you to talk to two people at the same time.

Note: Check with your service provider to make sure this service is available in your network.

1. Make a call to the first participant as usual.

2. When you're ready to place a call to the third party, enter the number and press TALK .

3. Press TALK again to connect both parties.

4. To end the call, press END . This will disconnect both parties. If you only wish to disconnect with one party, have the other party terminate the call on his/her end.

TIP: You can also dial the third party from the phone book. While in the call, press **Options**, scroll to **Phone book**. Press the roller twice. Scroll to the desired entry and press the roller. Scroll to the desired number (if necessary), then press and hold the roller to dial the call.

Placing one of the parties on hold

While all three parties are connected, pressing the TALK key places the 2nd party to join on hold. Pressing TALK a third time returns the 2nd party to the conversation while putting the 1st party on hold.

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

• **Automatic redial**

When this feature is turned on, your phone will make up to four attempts to connect the call after an unsuccessful call attempt.

To enable automatic redial:

1. Press **Menu 4-2-2** (**Settings** - **Call settings** - **Automatic redial**).

2. Highlight **On**, then press **Select**.

• **Calling card**

If you wish to use a calling card for long distance calls, you must first save your calling card information into your phone. Your phone is equipped to handle up to 4 calling cards.

```
——Call settings —— 5
Calling card



                        None
Select                  Back
```
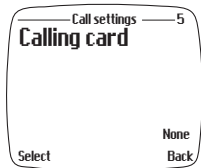
Saving calling card information

1. Press **Menu 4-2-5**.

2. Scroll to the calling card you want to edit, then press **Options**.

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

4. Enter your security code (see page 58), then press **OK**.

5. At **Dialing sequence**, press **Select**. Scroll to the dialing sequence your card uses, then press **Select**.

6. Enter access number (usually the 1-800 number listed on the back of the calling card), then press **OK**.

7. Enter your card number and/or PIN, then press **OK**. Your phone displays **Save changes?** Press **OK**.

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

Note: This procedure might not work with all calling cards. Please look at the back of your calling card or contact your long distance company for more information.

Dialing sequence	Use for cards that require you to:	Cards using this sequence
Access number + phone number + card number	Dial 1-800 access number, then phone number, then card number (+ PIN if required)	MCI, AT&T True Choice, Sprint Canada, Unitel
Access number + card number + phone number	Dial 1-800 access number, then card number (+ PIN if required), then phone number	networkMCI, WorldPhone MCI, AT&T
Prefix + phone number + card number	Dial the prefix (any numbers that must precede the phone number) and phone number you want to dial, then card number (+ PIN if required)	GTE, PacBell, AT&T, Stentor

Choosing a calling card to use

Use **Menu 4-2-5** to select a calling card to use. You will be required to enter your security code.

Making calling card calls

After you have saved your calling card information in your phone, you can make a call using your calling card.

1. Enter the phone number, including any prefix (such as 0 or 1) that your calling card may require when you make a calling card call. See your calling card for instructions.

2. Press and hold ⬛TALK for a few seconds until your phone displays **Card call**.

3. Your phone displays **Wait for tone, then press OK**. When you hear the tone or system message, press **OK**.

4. Your phone displays **Wait for tone, press OK again**. When you hear the tone or system message, press **OK**.

• Voice dialing

You can dial up to 10 of your phone book's stored numbers using the voice dialing feature. Before you can place a call using voice dialing, you must first assign a voice "tag" to the number.

Assigning a voice tag to a phone number

You can create a voice "tag" (such as a person's name), for up to 10 phone book entries, then dial the number using the Voice dialing feature *(see "Dialing a number using voice dialing" on page 43).*

Assigning a voice tag to an entry

1. At the Start screen, press the roller. Scroll to the desired phone book entry, and press the roller.

2. Highlight the phone number to which you want to add a voice tag and press **Options**.

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3. Scroll to **Add voice tag** and press **Select**. (The phone displays **Press Start, then speak after the tone**).

4. Press **Start**, and after the tone, speak the voice tag clearly into the phone's microphone.

Note: If recording is not successful, your phone asks if you want to try again.
Press **Yes** to try again or **Quit** to exit.

The message **Voice tag saved** is displayed upon completion of the recording process. The 🔔 icon next to a phone number denotes that a voice tag exists for this number.

Important notes about voice tags:

- *The voice tag can be no longer than 2 seconds in length.*

- *The voice tag is replayed immediately after recording as confirmation.*

- *The recording process stops automatically; pressing **Quit** aborts the recording attempt.*

- *For best results, choose a quiet location when creating the voice tag (avoiding those areas with background noise).*

- *Unique tags are recognized more accurately. Consider using first and last name, or first name, last name, and number type (e.g. mobile, home, work, etc.) when tagging a number. For example, "**John Smith, work**."*

- *Avoid pauses or silence as you record the voice tag.*

- *If the voice tag memory is full, the phone displays **Erase an existing voice tag?** If so, press **OK**, scroll to locate a tag to erase, then press **Erase**.*

- Deleting a phone number erases any associated voice tags.

Warning! Do not use a voice tag for dialing emergency numbers. In emergencies, stress causes changes in your voice, which may keep the phone from recognizing your voice command.

Dialing a number using voice dialing

1. At the Start screen, press and hold the **Names** selection key for 2 seconds. A tone is heard and **Please speak now** is displayed.

2. After the tone, clearly speak the voice tag that you recorded previously into the microphone.

   Note: If the voice tag is not recognized by the phone (or if you fail to speak a tag within 3 seconds after the tone), the message **Name not recognized** will be displayed, and then you are returned to the Start screen.

3. When the voice tag is recognized:
   - the phone book entry will be displayed on the screen for 3 seconds AND
   - the voice tag is replayed (via the earpiece).
   - After 3 seconds, the number is dialed.

TIP**:** When the headset is connected, pressing the headset button momentarily at the Start screen has the same effect as pressing **Names** for 2 seconds. The alert tones will play through the headset. Speak the voice tag into the headset microphone. The voice tag will playback through the headset to confirm your choice.

Working with an existing voice tag

You can listen to an existing voice tag (in case you forgot what you recorded), re-record a voice tag, or erase an existing tag.

1. At the Start screen, press the **Names** selection key. Scroll to **Voice tags** and press the roller.

   Note: This option displays a list of only those names/numbers that have been assigned a voice tag.

2. Scroll to the phone number whose voice tag you want to edit, then press **Options**.

3. Scroll to either **Playback**, **Change**, or **Erase**, and press the roller.

Note: If you chose **Change**, press **Start** to begin re-recording. The new tag that is recorded replaces the old information.

• 1-touch dialing

When a phone number is assigned to one of the number keys (2 to 9), you can call the phone number in either of the following ways:

- Press the corresponding number key (2 to 9) and press ⌈TALK⌉.
- If the menu function **1-touch dialing** is turned on (Menu 4-2-3), press and hold the corresponding number key until the call is started.

Note: ⌈1∞⌉ is pre-assigned to dial your voice mailbox number.

Setting up 1-touch dialing

If you want to assign a number to one of the number keys (2-8), do the following:

1. Press **Names**.

2. Scroll to **1-touch dialing** and press the roller.

3. Scroll to the desired number key (key **2** to key **9**), and press **Assign**.

   Note: If a phone number is already assigned to a key, the phone book entry name is displayed and the left selection key is **Options**.

4. Enter the phone number manually, or press **Find** to locate a phone book entry.

5. Select the desired name or entry from the phone book. If more than 1 number is stored for that entry, scroll to the desired number and press **Select**.

1-touch dialing options

You can change or erase (clear) numbers assigned to 1-touch dialing, view the number assigned to a key, or call from the 1-touch dialing menu.

1. Press **Names**.

2. Scroll to **1-touch dialing** and press the roller.

3. Scroll to the desired number key (key **2** to key **9**), and press **Options**.

4. Scroll to either **Call**, **Change**, **Erase**, or **View number** and press **Select**.

• Phone book enhancements

Multiple numbers per phone book entry

The phone's internal phone book allows you to store multiple phone numbers per name, as well as an e-mail address, street address, and text notes. You can store up to 5 numbers per name. The first number saved under a name is automatically set as the **primary number** for the name. For more information on primary numbers, see "Primary number" on page 46.

Adding a new number to a name

1. From the Start screen, press the roller. Scroll to the phone book entry you want to edit, and press **Options**.

2. Scroll to **Add number**, and press the roller.

3. Scroll to **General**, **Mobile**, **Home**, **Work**, or **Fax**, and press the roller.

   Note: You can later change the number type by using the **Change Type** option in the option list.

4. Enter the number and press **OK** to save it.

Editing a number

1. From the Start screen, press the roller. Scroll to the phone book entry you want to edit, and press the roller.

2. Scroll to the number you wish to edit and press the roller.

3. Scroll to **Edit number** and press the roller.

4. After making changes to the number, press **OK**.

Erasing a number

1. From the Start screen, press the roller. Scroll to the phone book entry you want to edit, and press the roller

2. Scroll to the number you wish to erase and press the roller.

3. Scroll to **Erase number** and press the roller.

4. Press **OK** to confirm your choice.

Warning! Once an entry is erased, it cannot be recovered.

Primary number

The first number stored with a name is designated as the "primary number," and is the number dialed when pressing and holding the roller on the selected name/phone book entry.

If you have multiple numbers stored in a phone book entry, you can designate any of the other numbers as the primary number:

1. From the Start screen, press the roller. Scroll to the phone book entry you want to edit, and press the roller.

2. Highlight the number you wish to designate as the primary number and press the roller.

3. Scroll to **Set as primary no.** and press the roller.

Note: The primary number is always the first number displayed when viewing the details of a phone book entry.

Changing a number type

When you add a new number to an existing phone book entry, you can specify what type of number you are entering at that time (**General**, **Mobile**, **Home**, **Work**, or **Fax**).

If you need to change the number type:

1. At the Start screen, press the roller. Select the phone book entry to edit, and press the roller.

2. Press **Options**. Scroll to **Change type** and press the roller.

3. Scroll and highlight the new number type. Press the roller to confirm your new selection.

Saving text information

You can store text information (such as E-mail address, postal address, or a personal note) with each phone book entry.

Adding a text item to a name

1. From the Start screen, press the roller. Scroll to the phone book entry you want to edit, and press **Options**.

2. Scroll to **Add text** and press the roller.

3. Scroll to either **E-mail**, **Address**, or **Note**, and press the roller.

4. Enter the text (for example, an e-mail address), then press **OK**.

Note: You may not be able to save multiple e-mail addresses, postal addresses or text notes, due to your phone book's memory.

Searching the phone book

1. Press **Names**, scroll to **Find** and press the roller.

2. Enter the first character(s) of the name you want to find and press **Find**.

3. Scroll to the correct name and press the roller to view phone number(s).

Quick Find: At the Start Screen, press the roller and enter the first few character(s) of the desired name. Scroll to the desired entry and press the roller to view the phone number(s) or other details.

Phone book scroll view

You can change the way you view the phone book's information from the default **Names list** (showing an alphabetized list of entries) to **Name and number** (displays the name and the primary number).

To change the phone book's scrolling view:

1. At the Start screen, press **Names**.

2. Scroll to **Options** and press the roller.

3. Select **Phone book view**.

4. Scroll to select the desired view and press the roller.

• **Caller groups**

You can set the phone to sound a specific ringing tone and flash a graphic (picture) on the display when you receive a call from a particular name and phone number. To do this, first include the name and number in the desired caller group. Then, select a ringing tone and graphic for this group.

Note: You can set the phone to ring only upon calls from names and numbers that belong to a specific caller group. See "Advanced calling features" on page 34.

Adding a name and phone number to a caller group

1. Once you have recalled the desired name and number from the phone book, press **Options**.

2. Scroll to **Caller groups**, and press the roller.

3. Scroll to the desired caller group (for example **Family**), and press the roller.

Setting a ringing tone and graphic for a caller group

1. Press **Names**.

2. Scroll to **Caller groups** and press the roller.

3. Scroll to one of the caller groups and press the roller.

4. Scroll to one of the following functions and press the roller.

• **Rename group**
Enter the new name for the caller group and press **OK**.

• **Group ringing tone**
Scroll to the desired tone and press **OK**. **Default** is the tone selected for the currently selected profile.

- **Group graphic**
  Scroll to **On**, **Off**, **View graphic**, **Send graphic** (sent via SMS), and press **OK**.

- **Group Members**
  Press **Select** to view group members. To add or remove a member, press **Options**, then select **Add name** or **Remove name**.

5. If you selected **Send graphic** (sent via SMS), enter the recipient's phone number or recall it from phone book and press **OK**.

Note: You can also receive graphics via SMS. Once you receive a new graphic, scroll to **View graphic** or **Save graphic** and press **OK**. If you selected **Save graphic**, select the desired caller group and press **OK**.

• Memory status

You can check what percentage of the phone's internal memory is in use and how much memory is still unoccupied.

1. Press **Names**.

2. Scroll to **Options** and press the roller.

3. Scroll to **Memory status** and press the roller.

The bar graph displayed is a visual representation of the percentage of the phone's memory that is in use vs. available memory. The actual percentage of free and used memory is also displayed numerically.

12. Customize your phone

• Customizing the Navi roller

Pressing the roller at the Start screen activates the **Roller menu**. As a default, the Roller menu provides access to your phone book. You can change the Roller menu to provide access to any of the following optional menus:

Quick Menu (allows you quick access to **Messages**, **Calendar**, **To-do list**, **Profiles**, **Settings**, **Phone book**, and **Full menu**), **1-touch dialing**, and the **Profiles** menu.

Changing roller function

1. At the Start screen, press **Menu 4-3-4**, then press **Select** (or wait for 3 seconds).

2. Scroll to the desired menu and press **Select** (or press the roller).

• Working with profiles

Even though your phone comes pre-configured with many different profiles to match your business and non-business environments, you can modify the existing profiles to better suit your needs.

Customizing a profile

1. Press ⓞ once.

2. Scroll to one of the following profiles: **Normal** (default), **Silent**, **Meeting**, **Outdoor**, **Pager**, **Hands free**, or **Headset** and press **Options**.

   Note: If phone is connected to car kit, hands free desktop charging stand, or headset, access to profiles is available via the Profiles menu only.

3. Select **Customize** and press **OK**.

4. Scroll to the setting you want to customize (for example, **Ringing tone**) and press the roller.

5. Scroll to the option you want and press **OK**.

Settings you can customize

Ringing option

Defines how the phone notifies you of an incoming voice call. The options are: **Ring**, **Ascending**, **Ring once**, **Beep once**, and **Silent**.

Note: If the ringing option is set to **Silent**, no ringing tone, message alert tone, keypad tones, warning tones, or game tones will be heard.

Ringing tone

Sets the ringing tone for voice calls. There are 35 to choose from, which will play as you scroll through the list.

Ringing volume

Sets the volume level for ringing and message alert tones.

Message alert tone

Sets the ringing tone type for text messages.

Keypad tones

Sets the volume level for keypad tones or turns the keypad tones off.

Warning and game tones

Turns warning and game tones on or off. For example, when turned on, the phone sounds a warning tone when the battery is running out of power.

Accepted caller groups

Allows you to have the phone alert you only when a member of a selected calling group is calling.

Vibrating alert

If you are using the optional vibrating battery, you can set your phone to vibrate on an incoming voice call.

Note: The vibrating alert does not work when the phone is connected to a charger or desktop stand.

Automatic answer (Hands free and Headset profiles only)

Sets the phone to answer an incoming voice call after one ring.

Note: This function can only be used when your phone is connected to a headset, to the hands free desktop charging stand, or to a car kit equipped with the ignition sense option, with the ignition on.

Lights (in Hands free profile only)

Turns the display and keypad lights on or off.

Renaming profiles

You can rename any profile except **Normal**, **Hands free**, and **Headset**.

1. Press **Menu**, scroll with the roller to **Profiles** and press the roller.
2. Scroll to the profile you want to rename and press **Options**.
3. Scroll to **Rename** and press **OK**.
4. Press and hold **Clear** to erase the existing name, then enter the new name and press **OK**. For information about entering letters, see page 23.

• Display options

Setting the display language

You can use the **Language** menu (4-3-1) to select the language for your phone's display. You can choose from the following languages:

English, French, Spanish, Portuguese, Hebrew, and Russian.

Language setting also affects the time and date formats of the following functions: Alarm clock (**Menu 4–1–1**), Clock (**Menu 4–1–2**) and Calendar (**Menu 8**), as well as enables the special character set (for text entry) unique to the language selected.

Display contrast

To adjust the contrast of the phone's LCD display, press **Menu 4-3-5** (**Settings-Phone settings-Display contrast**), and use the roller to adjust the contrast. Press **OK** to save the new setting.

Displaying the current call timer

The current call timer displays the approximate running time of the call you are currently on.

To display the current call timer:

1. Press **Menu 2-5-1**, then press **Details** (or wait for 3 seconds).

2. Press **Select** and scroll to either **Off** or **On**. Press **OK** to confirm your choice.

During a call, your phone displays the elapsed time of the current call. Upon completion of the call, the timer will show the final call time. Pressing the ⬛END key clears the timer and returns you to the Start screen.

• Clock

Your phone contains a real-time clock that is integrated into other functions of your phone, as well as can be displayed on the Start screen.

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 54.*

Note: Your phone also features an alarm clock. See *"Alarm clock" on page 75* for details.

Setting the time

1. Press **Menu 4-1-2** (**Settings** - **Time settings** - **Clock**), and press **Select** (or wait 3 seconds).

2. Scroll to **Set the time**, and press the roller.

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

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

Selecting a time format

1. Press **Menu 4–1–2** (**Settings** - **Time settings** - **Clock**), and press **Select** (or wait 3 seconds).

2. Scroll to **Time format**, and press the roller.

3. Scroll to either **24–hour** or **am/pm** and press the roller.

Displaying or hiding the clock

1. Press **Menu 4–1–2** (**Settings** - **Time settings** - **Clock**), and press **Select** (or wait 3 seconds).

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

3. Press **Select**.

• Welcome note

You can use the **Welcome note** menu (4-3-3) to create a brief message (up to 44 characters) that displays briefly every time the phone is switched on.

• Restore factory settings

You can use the **Restore factory settings** menu (**Menu 4** - **6**) to restore your phone back to its original configuration, without affecting the phone book, language settings or timers.

Note: You will be required to enter your Security code before restoring the factory settings.

• Disable/enable the active slide

You can disable the active slide feature in the event you don't wish to answer or end calls using the slide.

1. Press **Menu 4–3–6** (**Settings** - **Phone settings** - **Slide setting**).

2. Press **Select**. Scroll to **Off** or **On** and press the roller.

Note: If you disable the active slide, closing or opening the cover will no longer activate or deactivate Keyguard. If you wish to use Keyguard with the active slide deactivated, you must manually enable and disable keyguard.

13. Security settings

• Keypad lock (Keyguard)

With keypad lock (keyguard) you can temporarily lock your phone's keypad to prevent the keys from being accidentally pressed (for example, when the phone is in your pocket or in your purse).

To lock the keypad:

- Close the sliding cover and press **Lock Keys**.

    🔒 appears at the top of the display.

To unlock the keypad:

- Open the sliding cover.

If you want to lock the keys without closing the slide, press **Menu** followed by ⁂ (within three seconds). To unlock the keypad, press **Unlock** followed by either ⁂ (within three seconds), or **OK**.

It is possible to answer a call, even though keyguard is activated (see "Answering a call" on page 20). When the call has ended, keyguard will reactivate *only* if you used the **Answer** selection key or TALK.

Note: Calls may be possible to the emergency number programmed into your phone (for example, 911 or other official emergency number).

• Phone lock

This feature protects your phone from unauthorized outgoing calls or unauthorized access to information stored in the phone. When activated, **Phone locked** will be displayed each time you turn your phone on or off. When you press either **Names** or **Menu**, you will be prompted for your lock code. Once your lock code has been accepted, your phone will function normally.

Note: **Call not allowed** will be displayed if you attempt to place a call while phone is locked.

Activating and deactivating phone lock

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

When your phone is locked, calls may be possible to the emergency number programmed into your phone (e.g. 911 or other official emergency number).

You can also store a number in the **Allowed number when phone locked** location, which allows you to call this number even though your phone is locked (For more details, see "Storing the allowed phone number" on page 57).

Answering a call with phone lock on

Press any key except END and ⓪.

Allowed number when phone locked

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

Storing the allowed phone number

1. Press **Menu 4-4-2-2** (**Settings** - **Security settings** - **Access codes** - **Allowed number when phone locked**)

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

3. Enter phone number at **Number:** (or press **Find** and recall the number from the phone book) and press **OK**.

Calling the allowed phone number

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

Roll the roller either up or down. The allowed number will be displayed. Press TALK to place the call.

• **Access codes**

These codes may only include the characters 0 to 9. The phone prompts you to enter the current code and the new code. It also prompts you to verify the new code.

Note: Avoid using access codes similar to the emergency numbers, such as 911, to prevent accidental dialling of the emergency number.

Security code

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

Note: When entering your security code, ********* will appear on the display to keep others from viewing your code.

If you make a mistake entering the code, erase the last entered digit by pressing **Clear** (or press and hold **Clear** to delete all the digits on your display). Then enter the correct code or press **Back** to exit the current feature.

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

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

Changing your security code

1. Press **Menu 4-4-2-3** (**Settings** - **Security settings** - **Access codes** - **Change security code**) and press **Select**.
2. Enter existing (or default) security code and press **OK**.
3. Enter new 5-digit security code and press **OK**.
4. Re-enter your new 5-digit security code for verification, and press **OK**.
5. Phone will display **Security code changed**.

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

Lock code

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

Changing your lock code

In a lock code, only numeric characters are accepted.

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

2. Enter current (or default) lock code and press **OK**.

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

4. Re-enter new lock code for verification, 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.

• Call restrictions

This feature allows you to restrict incoming and outgoing calls. Outgoing calls are restricted from a list of restrictions that you create yourself. Incoming calls are restricted to the **All calls** option (you cannot create a list of restrictions for incoming calls).

Restricting outgoing calls

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

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

Note: This menu option is available only when one restriction has been enabled.

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

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

- **Edit** allows you to edit an existing outgoing call restriction.

- **Erase** will erase any existing outgoing call restrictions.

Note: When calls are restricted, calls may be possible to the emergency number programmed into your phone (e.g. 911 or other official emergency numbers).

Adding outgoing call restrictions

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

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

2. Select **Restrict outgoing calls**.

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

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

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

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

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

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

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

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

Selecting call restrictions

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

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

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

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

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

6. Press **Back** and then press **Yes** (when prompted **Save changes?**).
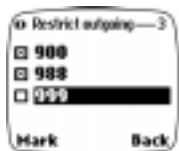
Editing call restrictions

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

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

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

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

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

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

6. Press and hold **Clear** to erase entire number, then enter the new characters. Or use the roller to insert additional characters. Press **OK** when finished.

7. Edit name if desired using same procedure as above.

Erasing call restrictions

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

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

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

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

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

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

14. Text messages

Using the **Messages** menu (Menu 1) and Short
Message Service (SMS), you can read, write and
send text messages to another phone or to an
e-mail address (if supported by your network).

Note: Text messaging is a network-dependent
feature. You may be required to subscribe to
this service. Please contact your service provider for more
information.

• Reading text messages

When you have received a text message, the indicator and the text:
(#) Message(s) received will appear on the display (where # is the
number of new messages received).

1. Press **OK** to read the message or press **Exit** to view it later.

2. While reading the message, press **Options** to scroll through the list of
   message options and press the roller to select the highlighted option.

Reading unread messages later/re-reading messages

From the **Messages** menu, press **Inbox**. Scroll to the desired message and
press the roller to read it.

Note: in front of the message header indicates the message has not
been read. in front of the message header indicates you have
already viewed the message.

Message options

The **Options** sub-menu includes options for reading, erasing, replying,
forwarding, or moving the message to the **Archive** folder.

- You can also copy the message to your phone's calendar as a reminder
  note by using the **Copy to calendar** option.

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- The **Use number** option captures a phone number that appears in the text message (or from the phone sending the SMS message) and provides you with options to **Save** the number to your phone book, **Add to name** (add to existing phone book entry), **Send message** (to the number) or **Call**.

About message memory

Messages are stored in the following locations:

- **Inbox** - stores new messages and read messages.
- **Outbox** - saves copies of all sent messages or messages waiting to be sent (in the event the network is temporarily unavailable).
- **Archive** - used to file read messages and sent messages for long-term storage.

A blinking ![icon] icon indicates the text message memory is full. Before you can receive, save, or send any new messages, you must delete older messages from your **Inbox**, **Outbox**, or the **Archive** folder.

Erasing individual text messages

1. Once in the Messages menu, highlight the message you wish to erase in either the **Inbox**, **Outbox**, or **Archive**.
2. Press **Options**, scroll to **Erase** and press **Select**. Press **OK** to confirm your choice.

Erase message options

The **Messages** menu has an option that allows you to erase the entire contents of your messages folders as described below:

All messages - erases all messages in all folders; however, unread messages in the Inbox remain intact.

Inbox - erases all read messages in this folder; unread messages remain intact.

Outbox - erases all messages in this folder.

Archive - erases all messages in this folder.

Erasing messages in the message folders

1. At the Start screen, press **Menu 1–5** (**Messages** - **Erase messages**).

2. Highlight the folder whose contents you wish erased and press **OK**.

3. Enter your security code and press **OK** to complete the erase process.

• **Using predictive text input**

Your phone offers you a quick way to write text messages via a very highly compressed database of common words (or "dictionary"). When you use the keypad to spell a word, predictive text input tries to anticipate the word you are trying to enter, saving you time when creating messages.

Enabling predictive text input

1. Begin writing a message. Press the **Options** key after you have entered the first letter.

2. Scroll to **Dictionary** and press the roller.

3. Scroll to select the desired dictionary language, and press the roller.

TIP: To quickly enable or disable predictive text input, press and hold the Options selection key at the text input display.

Note: When predictive text input is in use, the ⌨ indicator is shown at the top of the display.

Note: If you decide not to use predictive text input for writing messages, use the same procedure to select **Dictionary off**.

Entering text using predictive text input

1. Press each key only once for each letter (unlike traditional text input). For example, to write 'Nokia', press 6-6-5-4-2.

Note: Do not pay attention to how the word appears on the display until you have completed the word.

2. If the displayed word is correct, press `0` to get a space, then start writing the next word. If the displayed word is not correct, press `* +` to view other word options. To return to the previous match, press **Previous**.

TIP: To view the list of matches, press Options, scroll to Next match, then press the roller. If there is no matching word, press Insert to enter via traditional text input. See "Adding a new word to the dictionary" on page 66.

Inserting numbers

To enter a number, press and hold the desired number key.

If you wish to switch to traditional number input, press and hold the `# ` key. Upon completion of the number entry, press and hold the key again to return to predictive text entry.

Inserting punctuation symbols and special characters

Press `1` to add a punctuation symbol. The phone tries to predict the correct symbol. To change the symbol (when the symbols is highlighted), press `* +` repeatedly until the desired symbol appears.

To insert a different symbol or special character, press and hold `* +` to enter the list of special characters. Then scroll to the character you want to use and press **OK**.

Deleting characters and words

Press **Clear** to delete the character to the left of the cursor.

To delete the highlighted word, press `# ` first and then press **Clear**. When the cursor is between two words, press `# ` first and then press **Clear** to delete the preceding word.

Changing character case

Press `# ` once to change the character case (when the cursor is next to a word or within a word).

Adding a new word to the dictionary

You will be prompted to add a new word to the dictionary (via traditional text input) if you try to write a word that does not already exist.

1. Press **Spell**.

   Note: You can also access the traditional text input screen by pressing **Options**, then selecting **Edit word**.

2. Enter the word via traditional text input (see page 23) and press **Save**. The word is added to the dictionary and to the message you are writing, and you return to the predictive text input screen.

You can add hundreds of words to the dictionary, depending on the language used and the length of words added.

Notes:

- The words not included in the dictionary and which you accept (even accidentally) while in the predictive text input by pressing the roller, by pressing 0, or by deleting space between two words (thus forming a compound word), will automatically be saved in the dictionary.

- When the dictionary becomes full, the most recently added word will replace the oldest word you have previously added.

Writing compound words

Instead of writing the whole compound word at once, you can write its first part, press the roller to accept it, and write the second part.

TIP: You can also accept the first part of the compound word by first adding a space (by pressing 0) and then removing the space by pressing **Clear** once.

• **Writing and sending text messages**

You can use the **Messages** menu to create and send text messages to another mobile phone, or to an e-mail address. You can also save a draft of your message in the **Archives** folder for later use.

TIP: Since SMS limits the number of characters in the message, a character counter appears in the upper right-hand corner of your phone's display.

Writing and sending a text message

1. From the Start screen, press **Menu**, then press the roller.

2. Scroll to Write message and press the roller.

3. Enter your message. *For more information about entering text,see "Entering characters via the keypad" on page 23, and see "Using predictive text input" on page 64.*

4. To send the message, press **Options**, and select **Send message**. Enter the phone number (or press **Find** to recall a number from the phone book) and press **Send**.

TIP: The Message **Options** menu includes options for sending, saving, or erasing the message you are writing.

Writing and sending an e-mail message

1. From the Start screen, press **Menu**, then press the roller.

2. Scroll to **Write e-mail** and press the roller.

3. Enter the e-mail address (or press **Find** to recall an address from the phone book) and press **OK**.

4. Enter a subject for your message, then press **OK**.

   Note: The recipient's e-mail address and message subject appear at the beginning of the text message.

5. Enter your message. *For more information about entering text, see "Entering characters via the keypad" on page 23, and see "Using predictive text input" on page 64.*

6. Press **Options**, then select **Send e-mail**.

   Note: Please contact your service provider in the event you are prompted for the e-mail gateway number.

7. Press **Send** to send the message.

A copy of all sent messages remain in your Outbox. Press **Back** to return to the Messages menu, or press ⬛END to return to the Start screen.

Replying to a message

Your phone allows you to reply to a text message with either a similar text message, or as an e-mail message. The origin of the message or the sender's wireless network will affect how you reply to the incoming message.

Note: Check with your service provider to see if mobile originated e-mail messages are available in your network.

Replying via SMS

1. While viewing a message, press **Options**.

2. Scroll to **Reply** and press the roller.

3. Scroll to one of the following reply types and press the roller:

   - **Empty screen** - gives you an empty text buffer.
   - **Original messages** - original message is included in the reply message.
   - One of the standard answer templates (includes the ability to edit the answer or add additional text). Standard answers include: **Yes**, **No**, **OK**, **Thank you**, **Congratulations**, **Happy birthday**, **I love you too**, **Hugs and kisses**, **Sorry**, and **Sorry, I'm late**.

4. After you write your reply, press **Options**, and select **Send message**. Press **Send** to send the message to the displayed number.

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Replying via e-mail

1. While viewing a message, press **Options**.

2. Scroll to **Reply as e-mail** and press the roller.

3. Scroll to one of the following reply types and press the roller:

   - **Empty screen** - gives you an empty text buffer.

   - One of the standard answer templates (includes the ability to edit the answer or add additional text). Standard answers include: **Yes, No, OK, Thank you, Congratulations, Happy birthday, I love you too, Hugs and kisses, Sorry,** and **Sorry, I'm late**.

   Note: If the incoming e-mail message is improperly formatted, you may be required to re-enter the e-mail address (or press **Find** to recall an address from the phone book), then press **OK**.

4. Enter a subject for your message, then press **OK**.

   Note: The recipient's e-mail address and message subject appear at the beginning of the text message.

5. Enter your message. *For more information about entering text, see "Entering characters via the keypad" on page 23, and see "Using predictive text input" on page 64.*

6. Press **Options**, then select **Send e-mail**.

   Note: Please contact your service provider in the event you are prompted for the e-mail gateway number.

7. Press **Send** to send the message.

A copy of all sent messages remain in your Outbox. Press **Back** to return to the Messages menu, or press END to return to the Start screen.

Forwarding messages

Use the **Forward** or **Forward as e-mail** options to forward incoming messages to other users.

- After you select Forward, see "Writing and sending a text message" on page 67 and follow the instructions for completing the message.

- After you select **Forward as e-mail**, see "Writing and sending an e-mail message" on page 67 and follow the instructions for completing the message.

Message settings

You can assign several settings to the text messages you create. To access these options, press **Options**, scroll to **Message settings**, then press **Select**.

Your choices are:

- **Urgent** - sends the message as urgent.
- **Receipt for read** - lets you know when the recipient has read your message.
- **Callback** - includes your number in the message so the recipient can easily call you once they have received your message.

Messages in the Outbox

If you try to send a text message and the network is unavailable, the outgoing message will be saved in the **Outbox**.

Viewing the message saved in the Outbox

1. From the **Messages** menu, scroll to **Outbox** and press the roller.
2. Scroll to the desired message and press the roller to view it.
3. To resend the message, press **Options**, select the desired send option (**Send message**, **Send e-mail**), and press **Send**.

The Outbox **Options** includes the same options as the **Options** list for reading the message; however, **Reply** is not available.

15. Your personal assistant

Did you know that your phone can wake you up in the morning, remind you of meetings, birthdays, and tasks, display the current time, calculate your tip at dinner, and convert currencies? Your phone has a calendar, to-do list, clock, alarm clock, calendar, and phone book—everything you need in a personal digital assistant. Read on to find out more.

• Calendar

You can use the phone's calendar to record "calendar notes" to remind you of appointments such as meetings, phone calls, birthdays, or general reminders. Alarms can also be set to notify you of your appointments or notes.

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

Calendar views

Week list

Press **Menu**, scroll to **Calendar**, and press **View** to view the week list. Use week list to view your calendar week by week.

Tips:

- You can also access the week list while in the Day list by pressing **Options**, scrolling to View by weeks, and pressing **Select**.

- In either the day list or week list, you can quickly jump to a certain date by entering the date via the keypad. For example, if today is the 9th, and you enter 3, the calendar displays the 3rd day of the following month.

Day list

Press **Menu**, scroll to **Calendar**, and press the roller to access the day list.

Use the Day list to scroll through your calendar day by day. For each day, the day list shows the date and the icon for each type of appointment you have set for the day. See "Adding a calendar note" on page 73.

Day view

Once in the day list, scroll to the desired day and press the roller to access the day view.

Day view allows you to scroll through the notes made for the selected day. The option list for day view includes the following options: **Make a note**, **Erase**, **Edit, Reschedule, Repeat** the current note (every day, every week, biweekly or every year)**,** and **View** the current note.

View by weeks returns you to the week list. **Go to date** is used to jump to a specific date. You can also **Copy** the note to another day.

The **Send note** option provides various options for sending the current note (via IR, via SMS, or as an SMS text message).

The **Settings** option allows you to set the date, time, date format, time format and week format for the calendar. The option **Auto erase** allows you to set the phone to automatically delete old notes after a specified period of time. However, repeat notes (for example, birthday or anniversary notes) will not be deleted.

Tip: When you are in the day list, day view or week list, you can quickly go to today's day view by pressing ⌗ .

Note view

Once in the day view, scroll to the desired note and press the roller to view the details of the appointment or reminder. Note view allows you to view the details of the selected note.

The option list for note view include: **Make a note**, **Erase**, **Edit, Reschedule, Repeat** the current note (every day, every week, biweekly or every year).

View by weeks returns you to the week list. **Go to date** is used to jump to a specific date. You can also **Copy** the note to another day.

The **Send note** option provides various options for sending the current note (via IR, via SMS, or as an SMS text message).

The **Settings** option allows you to set the date, time, date format, time format and week format for the calendar. The option **Auto erase** allows you to set the phone to automatically delete old notes after a specified period of time. However, repeat notes (for example, birthday or anniversary notes) will not be deleted.

Adding a calendar note

1. While in the Day view, scroll to the desired day and press **Options**.

2. Select **Make note**.

3. Scroll to one of the following note types and press the roller:
   (for information about entering letters and numbers, see page 23)

   Note: Predictive text input is not available for this feature.

   - **Meeting –** Enter the note and press **OK**. Enter the time and press **OK**.

   - **Call –** Enter the desired phone number (or press **Find** to recall it from phone book) and press **OK**. Enter the time and press **OK**.

   - **Birthday –** Enter the person's name (or press **Find** to recall it from phone book) and press **OK**. Enter date of birth and year (optional). If you enter the year of birth, the note also displays the person's age.

- **General note -** Enter the note and press **OK**.

4. Scroll to the desired alarm option and press the roller. If you select **Other**, enter the alarm time and press **Select**.

   The presence of an alarm is indicated by when you view the notes.

When the alarm sounds for a note

The phone flashes its lights, beeps, and displays the note. With a **Call** note on the display, you can call the displayed number by pressing TALK . To stop the alarm, press **Exit** or END .

• To-do list

Use this feature to create a to-do list and prioritize to-do items.

Adding a task

1. Press **Menu**, scroll to **To-do list** and press **Add**.

2. Enter the subject of the To-do note and press **OK**. *(For information about entering text, see "Letters and numbers" on page 23 and "Using predictive text input" on page 64.)*

3. Then scroll to the desired priority (1, 2 or 3) and press **Select**. You can change the priority later by using the **Options** menu: **Change priority**.
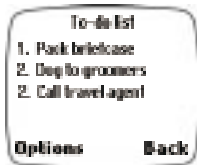
Viewing tasks

Once in the **To-do list**, scroll to an item and press the roller to view its details.

From the tasks' **Options** menu, you can add, erase or edit the note. There are also options for:

- Viewing the calendar

- Saving the to-do note to the calendar as a day note.

- Sending the note via SMS.

- Turning on/off predictive text (dictionary)

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• **Alarm clock**

The **Alarm clock** function of your phone's clock (Menu 4-1-1) can be set to sound an alarm at a time you specify.

The alarm clock uses the time format set for the phone clock (12-hour or 24-hour format). The 📵 icon, displayed on the Start screen, indicates that an alarm is set. The alarm clock will work, regardless if the phone is on or off.

When the alarm sounds

The phone sounds an alert tone. In addition, the text **Alarm!**, the current time, a series of animated icons, and the phone's lights all flash simultaneously.

Pressing the **Stop** selection key or the ⏷END key stops the alarm from sounding, and returns you to the Start screen.

Snoozing

There are several ways you can enable the **Snooze** feature:

- Press the **Snooze** selection key.
- Press any key (except ⏷END).
- Allow the alarm to sound for 1 minute.

Once snooze is enabled, the alarm will sound again in five (5) minutes.

If an alarm is set to ring while the phone is switched off, the phone will turn itself on and sound the alarm. If you press **Stop**, the text **Switch the phone on?** is displayed. Press **Yes** to place the phone in call mode, or **No** to switch off the phone.

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

• Calculator

You can use your phone's calculator to add, subtract, multiply or divide numbers and convert currencies.

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

Using the calculator

1. Press **Menu**, scroll to **Calculator**, and press the roller.

2. "0" appears on the screen. Enter the first number in the calculation (press 〔 #☺ 〕 for decimal point).

3. To add, press 〔 ✳ + 〕 once (**+** appears); to subtract, press 〔 ✳ + 〕 twice (**–**); to multiply, press 〔 ✳ + 〕 three times (*****); to divide, press 〔 ✳ + 〕 four times (**/**).

   Note: You can also press **Options**, scroll to **Add**, **Subtract**, **Multiply** or **Divide** and press **Select**.

4. Enter the second number. Repeat steps 3 and 4 as many times as necessary.

   Note: A subtotal is shown after you enter the next operant (+, –, *, or /).

5. For a total, press **Options** (or press the roller) twice.

6. To start a new calculation, press and hold **Clear** for 2 seconds.

Note: This calculator has limited accuracy and rounding errors may occur, especially in long divisions.

Using calculator for currency conversion

Setting the exchange rate

1. Press **Menu**, scroll to **Calculator**, and press the roller.

2. Press **Options**. Select **Exchange rate**.

3. Scroll to **How many foreign units to a home unit** or **How many home units to a foreign unit** (depending on how you wish to convert the currency), and press **Select**.

4. Enter the appropriate exchange rate and press **OK** (use the ⟨ # ⟩ key for decimals). **Exchange rate** is displayed.

Currency conversion

1. Once you have set the exchange rate, enter the amount to be converted (use ⟨ # ⟩ to enter a decimal point).

2. Press **Options** scroll to either **In home currency** or **In foreign currency**, and press **OK**.

   The phone displays the converted amount.

TIP: If you chose **How many foreign units to a home unit** while saving the exchange rate, the **How many home units to a foreign unit** option is automatically calculated and saved (or vice versa).

• Contact manager

You can use your phone's internal phone book as a contact manager by saving a person's contact information (such as street address, e-mail address, text notes, etc.) along with their name. See "Saving text information" on page 47.

16. Infrared connections

Use the **Infrared** menu (Menu 11) to activate
communications between your phone and
other devices through its infrared (IR) port.
To connect via IR, the device with which you
want to connect must be IrDA compliant.
Your Nokia phone is a Class 1 Laser Product.

Note: The preferable distance between the two devices in infrared
connection is a range of 3 inches to three feet maximum. There
must be no obstructions between the two devices and the IR ports
of the two devices have to be pointing at each other.

Sending and receiving data via IR

Your phone has the ability to send and receive certain types of data via
the infrared port; no additional cable or software is needed.

You can send and receive phone book entries (business cards), and calendar
notes via IR. Transmission/reception must be to/from a compatible phone or
device (for example, another phone, computer or handheld device).

General notes about sending or receiving via IR

1. Ensure that the IR ports of the two devices are pointing at each other.

2. IR must be activated via the IR menu prior to sending or receiving.

3. The user of the sending device selects the desired IR function to start
   data transfer.

If data transfer is not started within 2 minutes after the activation of the
IR port, the connection is cancelled and has to be started again.

Checking the status of an IR connection

The status of an IR connection is indicated by ▶■■■ .

- When ▶■■■ is shown continuously, there is an IR connection between your phone and the other device.

- When ▶■■■ is not shown, no IR connection exists.

- When ▶■■■ blinks, your phone is trying to connect to the other device or the connection has been lost.

Other types of IR connections

You can also establish a 2-way connection between your PC or laptop computer and your phone via infrared. With this type of connection, your phone can:

- function as an external modem connected via IR. Use your existing data software (Dial-up Networking, AOL, etc.) or fax software (WinFax Pro, HotFax, etc.) to send and receive faxes, connect to the Internet, or check e-mail. For more information, see the accompanying **PC Connectivity Guide**.

- synchronize it's phone book, calendar, and to-do list with some of the most popular Personal Information Manager (PIM) programs on the market (Outlook, ACT!, Lotus Organizer, Gold Mine, etc.). Use the FoneSync application found on the Nokia CD-ROM in conjunction with your existing PIM application to keep all of your information up-to-date.

Transmitting phone book via IR

Your phone can transmit its phone book information using the industry standard v.card format via it's infrared (IR) port. "Business cards" (v.cards) can be sent to another phone, a PC (running the appropriate software) or other IR-equipped handheld devices (such as Palm™, and Psion Series 5™).

Sending a business card to another phone or other device

Note: Make sure that the other phone or device is set to receive data via its IR port. Please refer to the user guide for the receiving device for more information on enabling IR communications and receiving data over IR.

1. Press the roller and scroll to the desired phone book entry. Press the roller twice.
2. Scroll to **Send card via IR** (to send phone book entry).
3. Align the infrared ports of both devices, then press the roller.

Receiving a business card from another phone or other device

To receive business cards from another compatible phone, you need to first enable infrared communications using the Infrared menu (Menu 11).

Then, the user of the other phone or devices sends you a business card as described above.

Once you have received the name and phone number, press **Show**. Then press **Options**, select **Save** or **Discard**, and press **OK**.

Calendar notes via IR

You can send and receive calendar notes between phones, as well as between other IR-equipped devices (such as Palm™, and Psion Series 5™).

Note: Make sure that the other phone or device is set to receive data via its IR port. Please refer to the user guide for the receiving device for more information on enabling IR communications and receiving data over IR.

Sending a calendar note to another device

1. Scroll to the day on which the calendar note you wish to send is saved and press the roller.
2. Scroll (if necessary) and highlight the desired note and press **Options**.
3. Scroll to **Send note** and press the roller.
4. Align the infrared ports of both devices
5. Highlight **Send via IR** and press the roller to initiate data transfer.

17. DLR-3P connections

You can establish a 2-way connection between your PC or laptop computer and your phone via the DLR-3P serial cable. With this type of connection, your phone can:

- function as an external modem connected via the DLR-3P. Use your existing data software (Dial-up Networking, AOL, etc.) or fax software (WinFax Pro, HotFax, etc.) to send and receive faxes, connect to the Internet, or check E-mail.

- synchronize the phone book, calendar, and to-do list with some of the most popular Personal Information Manager (PIM) programs on the market (Outlook, ACT!, Lotus Organizer, Gold Mine, etc.). Use the FoneSync application found on the Nokia CD-ROM in conjunction with your existing PIM application to keep all of your information up-to-date.

For more information on connecting your phone to your PC or laptop via the DLR-3P, see the accompanying **PC Connectivity Guide**.

For more information on synchronizing data between your phone and popular Personal Information Manager (PIM) programs using the DLR-3P, please refer to the FoneSync Getting Started brochure.

18. WAP services

Note: This menu may not be visible if WAP services are unavailable in your area.

WAP (short for Wireless Application Protocol) is to mobile devices what WWW (world wide web) is to computers. The mobile community began developing WAP in 1997 to give mobile device users access to the internet. Today, most WAP sites are made up of text and hyperlinks, with some sites capable of text input or selection items in a list. Some pages even contain low-resolution graphics. Because your service provider and others are free to design WAP sites as they choose, each site can vary almost as much as a web page on the Internet.

• Services menu

The **Services** menu (Menu 10) allows you to access special Internet content designed specifically for viewing from your mobile phone. You can use your phone's WAP (Wireless Application Protocol) browser to view news, get weather reports, check flight times, access financial information, etc. The browser's menu allows you to save addresses of WWW services as bookmarks, so you can return to your favorite web sites quickly and easily.

Note: You may be required to subscribe to these additional services before you can use the browser. Your service provider may also need to configure your phone for browsing. Check with your service provider for more information on this feature.

Important! Internet content received over a secure connection and stored in your browser's cache can be reused over non-secure connections. To avoid security issues, empty your browser's cache after each browsing session.

• About your service provider

Because the WAP content is specifically designed to be viewed from your mobile phone, your wireless service provider now also becomes your "wireless Internet service provider."

Your service provider has created a special home page for you, and configured your phone to take you directly to this site. There, you will find additional links to other wireless Web sites, providing a variety of content both locally, and from around the world.

• Launching the browser

Note: Before you can connect to the Internet, you may be required to subscribe to this service. Check with your wireless service provider for more information on WAP services.

From the Start screen, press **Menu**, scroll to **Services**, and press **Home**. Your phone will attempt to connect to the wireless Internet.

Note: If your phone displays **Check service settings**, it may not be configured to access the Internet. Please check with your service provider for wireless Internet settings and configuration.

Note: Pressing [END] terminates any active browser session and returns you to the Start screen.

Understanding a WAP web site

While Web sites on the World Wide Web (WWW) are thought of as a "book" comprised of a group of interlinked pages, WAP web sites can be thought of as a "deck of interlinked cards."

Some cards are comprised of text and hyperlinks. Other cards may require user input (entering text or numbers, selecting items from a list, etc.). Some pages may even contain low-resolution graphic images.

Because your service provider (as well as WAP services providers around the world) are free to employ a variety of programming techniques, each "card" viewed could contain a variety of elements. The following section is designed to familiarize you with some of the most common WAP elements and how to get the most out of your browser.

Understanding and navigating a WAP card
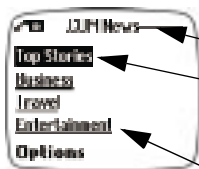
Some of the most common card elements:

- **Header line** - shows current location.

- **Active hyperlink** - highlighted and awaiting action. Press the roller to select the link and display additional content.

- **Hyperlink** - used to navigate to other cards or sites. Scroll to select the link, then click the roller.
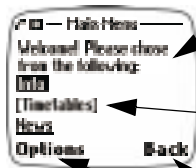
- **Text** - use the roller to scroll through the text. Cursor will automatically jump to the next hyperlink to activate it.

- **Selection list** - identified by text in brackets. Click this link to display additional choices or links.

- **Options/Back** - Displays a card's options menu and/or the browser menu. Back takes you back to the previous page.
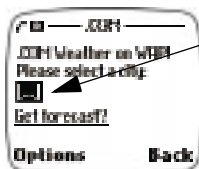
- **Data entry field** - identified by ellipse in brackets **[. . .]**. This field is used when specific user input is required (example: city name, stock symbol, airline name or flight number, etc.). To edit this field:

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1. Highlight the data entry field and press the roller.

2. Enter the text requested by the data entry field (example: **Miami**) and press **OK**.

   Note: The text you entered on the previous screen is displayed between the brackets.

3. Scroll to the link that indicates an action based on your text input. Press the roller.

The browser menu

You can access the browser menu by pressing the Navi roller at the WAP Services menu.

The following is a list and description of the browser menu items:

- **Home** - starts a browser session and takes you to your service provider's home page.

- **Bookmarks** - displays a list of all bookmarks saved.

- **Settings** - displays the browser's settings menu.

- **Go to address** - allows you to enter an address of your choosing.

- **Clear the cache** - used to empty the browser's temporary memory location.

Note: Some service providers may have customized the **Services** menu structure, placing many of the above selections under a WAP page's **Options** menu. Please contact your service provider for more information, in the event that any of the above menu options are unavailable.

Note: For successful browsing, it is suggested that you empty the cache at the end of each session.

The card Options menu

Pressing the **Options** selection key while browsing a card displays the following menu:

- **Home** - takes you back to your home page from the current location.
- **Bookmarks** - displays a list of all bookmarks saved.
- **Edit** or **Select** - allows you to either edit the currently selected browser element (for example, a checklist or text entry field), or selects the active (highlighted) hyperlink.
- **Go to address** - allows you to enter an address of your choosing.
- **Use Number –** captures a phone number displayed on the card in order to place a call or add the number to the phone book.
- **Empty cache** - used to empty the browser's temporary memory location.
- **Exit** - exits the current browser session and returns you to the Start screen.

Additional menu items

Developers of WAP web sites can also add additional **Options** menu items specific to their web site. Often times, these options are actually links to other decks within the web site. Use the roller to select any of the additional options; press the roller to view the additional content.

• Bookmarks

You can save the address of your favorite sites as bookmarks, then use the bookmarks to return to those sites quickly and easily. If a site's programmers have included a title for the card, then the name of the card will appear in the list (example: **Yahoo! News**, **ebay on WAP**, **Mapquest**).

If there is no title to the card, then the site's address will appear in the list of bookmarks (example: **http://www.yahoo.com/news.wml, http://www.ebay.com/WAP/index.wml, http://www.mapquest.com/ default.wml**).

To save a site's address as a bookmark

1. Navigate to the desired site, then press the **Options** selection key.

2. Scroll to **Bookmarks** and press the roller.

3. Press the Options selection key.

4. Scroll to **Save as bookmark** and press **Select**.

New bookmarks can be added manually, either while off-line, or during browsing.

To save a bookmark manually

1. From the **Services** menu, press the roller. Scroll to **Bookmarks** and press the roller.

2. Press the **Options** selection key. Scroll to **Add bookmark** and press the roller.

3. Enter the web site address (example: **my.yahoo.com**) and press **OK**.

Note: It is not necessary to enter **http://**. This is added automatically.

4. Enter a title for the new bookmark and press **OK**.

Working with bookmarks

You can use the bookmarks you save to return to your favorite sites quickly and easily.

To return to a bookmarked site

From the **Services** menu:

1. Press the roller. Scroll to **Bookmarks** and press the roller.

2. Scroll to the desired bookmark and press the roller.

Note: If you are not currently in a browsing session, the phone will connect to the Internet.

Other options

The Bookmarks options menu provides you with several options for using or manipulating existing bookmarks. From this menu, the following options are available:

- **Add a bookmark** - used to add a bookmark manually (while off-line or while browsing).
- **Go to** - takes you to the highlighted bookmark from the previous screen (the equivalent of highlighting a bookmark and pressing the roller).
- **Edit** - used to edit the highlighted bookmark from the previous screen.
- **Erase** - used to erase the highlighted bookmark from the previous screen.

• Download a ringing tone

You can download up to five ringing tones to your phone from some WAP sites, sites on the WWW, or through SMS. For more information about downloading ringing tones, contact your service provider.

Play, save, or erase a ringing tone

Once you've downloaded a ringing tone, your phone displays the message **Ringing tone received**.

1. Press **Options**, then choose **Playback**, **Save**, or **Erase**.

2. Press **OK**.

If you chose to save the new ringing tone, it becomes available to you when customizing a profile (see "Customizing a profile" on page 50).

19. Games

Not only can you use your phone for communication but also for some serious fun. Your phone offers you four games from which to choose.

- In **Snake II**, you are to feed the snake with as many goodies as possible. The longer the snake's tail grows, the higher your score.

- In **Rotation**, the object is to get all the numbers in sequential order as you rotate the numbers and move them.

- In **Racket**, you will play the traditional game of tennis. Use the roller to control the racket.

- In **Opposite**, try to change your opponent's pieces into your own color.

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

Starting a new game

1. Go to the **Games** menu, scroll to the desired game and press the roller.

2. Select **New game**.

Use the option **Instructions** to learn how to play the game. With the option **Level** you can choose the difficulty level of the game.

In **Snake** you can pause the game by pressing either selection key and then resume a paused game with the option **Continue**. Use **Top score** (available in some games) to check the high score in your phone.

20. Network settings

The **System** and **Settings** menu are used to change a number of settings related to how the phone searches for service, and to modify the phone's functions and security settings.

• Network selection

Use the **System** menu (**Menu 5**) to change how your phone searches for service. The following options are available:

- **Automatic** - the phone automatically selects one of the wireless networks available in your area.

- **Manual** - the phone will show a list of available networks and you can select the desired network if this network has a roaming agreement with your home network operator. Otherwise the text **No Access** is displayed and another network must be selected. The phone will stay in manual mode until the automatic mode is selected, or when phone is turned off and back on again.

- **New search** - causes the phone to perform a new search in order to locate the best wireless service to use in your area.

• Network services

Voice privacy

Use this menu option to enable or disable voice encryption for all calls (when this service is available)

Own number selection

Use this feature to view your own phone number, or switch between multiple wireless service accounts (phone numbers) programmed into your phone. Consult your service provider for more information on using this feature.

Network feature setting

This menu allows you to enable or disable various network services (Call Forwarding, Call Waiting, Send Own Caller ID) through the use of special feature codes provided to you by your service provider.

You must first store the feature code given to you by your service provider (unless already pre-programmed) before the feature appears in the menu or functions properly.

Important! Only those menu features that have been activated will appear in the menu; therefore the menu shortcuts in the following sections may not always reflect the actual position in the menu as described below (or as shown on page 16).

Storing the feature code

1. Press **Menu 4-5-3** (**Settings** - **Network services** - **Network feature settings**), then press **Select**.

2. Enter the feature code for the desired feature (for example: [* +] - [7 pqrs] - [1∞] to activate Call Forwarding, then press **Select**.

3. To locate the type of Call Forwarding associated with the code, press **Select,** or use the Navi roller and scroll to **Call waiting** or **Send own caller ID when calling**, and press **Select**.

4. Select the command associated with the feature code you wish to store (**Activate**, **Cancel**, **Yes** or **No**) and press **Select** to complete the process.

Call forwarding

This network service allows you to forward your incoming calls to another number (for example, your office number). For more information and feature codes, contact your service provider.

Once you activate this feature by entering the proper feature code, you can select one of the following forwarding modes: **Forward all calls**, **Forward calls if number busy**, **Forward calls if not answered**, **Forward calls if out of reach or phone is off**, and **Cancel all call forwarding.** See "Call forwarding" on page 37 for a description of the features listed above.

Forwarding your calls

Once you have stored the appropriate feature code for Call Forwarding (see "Storing the feature code" on page 91):

1. Press **Menu 4–5–4** (**Settings** - **Network services** - **Call forwarding**), then press **Select**.

2. Scroll (if necessary) to the Call Forwarding option stored and press **Select**.

3. Press **Select** again and enter the number to which all incoming calls should be forwarded, or press **Find** and locate a number already stored in your phone book.

4. Press **Select**. Your phone calls the wireless system and sends the information you just entered. After approximately 5 seconds, the Start screen will reappear.

Call waiting

This network service lets you receive an incoming call when you're already in a call. (Contact your service provider for availability.) The phone beeps to let you know of the incoming call while you are in an active call. Please see "Call waiting" on page 37 for details.

If this feature is not automatically available from your service provider, you may have to activate it through the use of a Network Services feature code. See "Storing the feature code" on page 91 for instruction on storing the codes that activate and cancel this feature.

Activating or cancelling Call Waiting

1. Press **Menu 4–5–5** (**Settings** - **Network services** - **Call waiting**), then press **Select**.

2. Highlight either **Activate** or **Cancel**, then press **Select**.

Send own caller ID when calling

This feature allows you to block caller ID when you call someone (your number will not be displayed on their caller ID). This feature works on a per-call basis. Contact your service provider for more details.

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

Before you can use this service, you must store the feature code in your phone. See "Storing the feature code" on page 91. Make sure to store the code in the **No** option.

Blocking your own caller ID

1. Press **Menu 4-5-6** (**Settings - Network services - Send own caller ID when calling**), and press **Select**.

2. Scroll to **No** (to block number) and press **OK**

3. Enter the number you wish to call (or press **Find** to retrieve the number from the phone book and press **OK**), then press **Select**.

4. Your phone will attempt to call this number with the feature code you stored in **Menu 4-5-6**.

Call mode

In certain wireless networks, the **Call mode** sub-menu option may be visible under the **Settings - Network services** menu. The following **Call mode** options are available:

- **Analog** - causes the phone to use an analog channel only. If no analog channel is available, you will not be able to place a call.

- **Digital** - causes the phone to use a digital channel only. If no digital channel is available, you will not be able to place a call.

- **Analog & digital** - the phone will be able to place calls on both analog and digital channels (searching for an available digital signal first).

Public system setting

In certain wireless networks, the **Public system settings** sub-menu option may be visible under the **Settings** - **Network services** menu. The following **Public system settings** are available:

- **Any system** - causes the phone to search for and use any available home type system, followed by non-home type system (in the event that your service provider's network is unavailable).

- **Home type** - causes the phone to use only a home type system (in the event that your service provider's network is unavailable).

- **Non-home type** - causes the phone to use only a non-home type system (in the event that your service provider's network is unavailable).

- **Home only** - causes the phone to use only your service provider's network.

Depending on the roaming agreements between service providers, you may be able to save money by "forcing" your phone to use certain networks when outside your service provide's area of coverage. Contact your service provider for more information on this feature.

21. Accessories

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

A few practical rules for accessory operation:

- Keep all accessories out of reach of small children.

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

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

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

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

Note: See "Using batteries and chargers" on page 112. for important battery usage information.

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

• **Batteries**

A variety of Nokia battery options are available for your phone. Each battery provides you with the performance, quality and convenience you've come to expect with your Nokia phone.

Charging Times

The following table shows the battery options that are available for your phone. The charging times with the Rapid Travel Charger (ACP-8U), the Rapid Cigarette Lighter Charger (LCH-9), and the Standard Travel Charger (ACP-7U) are listed beside each option.

Note: The times displayed below are approximate and will allow your battery to obtain approximately 90% of its capacity. At this time, the battery scroll bars on your phone's display will stop scrolling. To obtain 100% battery capacity for all batteries except BMS-2V, allow another two hours to "trickle" or "maintenance" charge.

Batteries	Standard Travel Charger ACP-7U	Rapid Travel Charger ACP-8U	Rapid Cigarette Lighter Charger LCH-9	Handsfree Desktop Charger DCH-12K
Ultra Slim Li-Polymer Battery 600 mAh (BPS-1)	2h30m	1h30m	1h25m	1h25m
Extended Li-Ion Battery 900 mAh (BLS-2S/BLS-2N)	4h	2h	2h	2h
Extended NiMH Battery 900 mAh (BMS-2S)	4h	2h	1h30m	1h30m
Extended NiMH Vibrating Battery 900 mAh (BMS-2V)	4h	2h	1h30m	1h30m
Ultra Extended Li-Ion Battery 1500 mAh (BLS-4)	5-6h	4h	3h30m	3h30m

Standby and Talk Times

The times shown in the following table 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.

Warning! Dispose of used batteries in accordance with any local regulations.

Please refer to the following table for more information on talk and standby times in both digital and analog networks:

Battery Option	Digital Talk Time	Analog Talk Time	Standby Time	
			Digital	Analog
Ultra Slim Li-Polymer Battery 600 mAh (BPS-1)	1h to 2h40m	35m to 1h30m	2.5 to 6 days	18h to 30h
Extended Li-Ion Battery 900 mAh (BLS-2S/BLS-2N)	2h to 4h30m	1h to 2h30m	4 to 10 days	30h to 50h
Extended NiMH Battery 900 mAh (BMS-2S)	2h to 4h30m	1h to 2h30m	4 to 10 days	30h to 50h
Extended NiMH Vibrating Battery 900 mAh (BMS-2V)	2h to 4h30m	1h to 2h30m	4 to 10 days	30h to 50h
Ultra Extended Li-Ion Battery 1500 mAh (BLS-4)	3h to 7h30m	1h40m to 4h	6.5 to 16.5 days	50h to 83h

Chargers and Other Accessories

The following chargers and charging 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.

Rapid Travel Charger (ACP-8U)

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

To use the Rapid Travel Charger (ACP-8U), first plug the lead with the arrow into the transformer. Twist the lead 1/4 turn to lock it in place. Then connect the lead from the charger to the base of your phone. Finally, plug the charger into a standard 120V AC wall outlet.

The charger can also be used together with the optional Compact Desktop Charging Stand (DCH-8 or DCH-9). Approximate charging times for discharged batteries are shown at the beginning of this section.
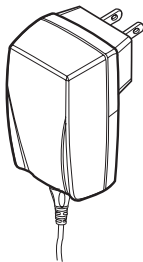
Standard Travel Charger (ACP-7U)

Use this durable and economical charger to charge all battery options. Plug the connector into the bottom of your phone, then plug the charger into a wall outlet. Check the charging status on the phone display.

Note: If the battery is completely empty, you cannot use the phone until it has enough charge to operate.

The Standard Travel Charger is available for different voltage levels and can also be used with the DCH-9 Compact Desktop Charging Stand.
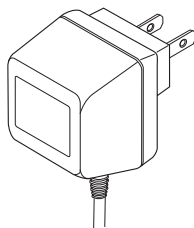
Rapid Cigarette Lighter Charger (LCH-9)

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. The battery charging times are shown at the beginning
of this section.

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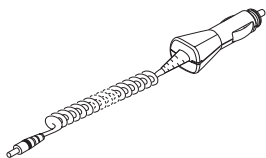
Compact Desktop Charging Stand (DCH-9)

Used together with the Standard Travel
Charger (ACP-7U) or the Rapid Travel
Charger (ACP-8U), the Compact Desktop
Charging Stand (DCH-9) is an economical
choice when you need to charge your phone
and/or a spare battery.

With the battery still attached, place your phone in the charging stand to
begin charging your phone's battery.
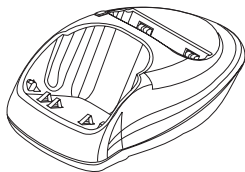
Compact Desktop Charging Stand (DCH-8)

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

Hands-free desktop charging stand kit (DCH-12K)

This hands-free desktop charging stand kit consists of the (DCH-12) (Handsfree Desktop Charging Stand) and the (ACS-6U) AC Adapter. The (DCH-12K) provides the same charging times as the (LCH-9) Rapid Cigarette Lighter Charger, and allows for handsfree usage of the phone via the stand's built in speaker and microphone. The phone uses the **Handsfree** profile when in the charging stand. You can use either voice dialing or use the Phone book menu to dial a call (as the keypad is not accessible while in the stand).

22. Troubleshooting

Problem	Possible cause	Possible solution
My phone isn't charging.	Charger and phone are not properly connected.	Check connection between charger and phone/charger stand and phone.
	Charger is not properly plugged in.	Make sure charger is properly plugged into wall outlet.
My phone isn't making/answering calls.	Battery is not charged.	Charge the battery.
	Poor signal strength	If you are indoors, move toward a window.
	Outside of service area.	Change locations until the phone displays service available.
I can't listen to my voice messages.	You don't have voice mail service.	Call your wireless service provider.
	You have not set up your voice mailbox with your service provider.	Call your wireless service provider.
	You have not saved your voice mail number in your phone.	See page 32.
	The voice mail number you have saved is incorrect.	Call your wireless service provider.
	You have forgotten your password or are entering it incorrectly.	Call your wireless service provider.

Problem	Possible cause	Possible solution
My SMS messages are not being delivered.	You don't have SMS service.	Call your wireless service provider.
I can't successfully tag a phone book entry.	Excessive background noise during the recording process.	Find a quiet location and try again.
	Voice tag memory is full.	Follow screen prompt to erase an existing tag, making room for new voice tag.
Voice dialing will not recognize my voice.	Voice tag was recorded by someone other than yourself.	Re-record voice tag using your voice.

23. Frequently Asked Questions (FAQ)

This section lists and answers the questions that you most frequently ask. Where necessary, the answers refer you to the appropriate text within this guide.

Note: Some of the answers tell you to use menu shortcuts. For a complete listing of these shortcuts, refer to "List of main menu functions" on page 16.

Q. How do I lock my phone?

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

Refer to "Lock code" on page 59 for more information.

Q. How do I unlock my phone?

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

Refer to "Lock code" on page 59 for more information.

Q. What is my lock code?

A. The lock code enables you to lock your phone, thus preventing someone else from using it. The default lock code is 1234. However, it is suggested that you change this code **immediately**.

Refer to "Lock code" on page 59 for more information.

Q. What is my security code?

A. The default security code is 12345. However, it is suggested that you change this code **immediately**. Certain features can be used *only* after the correct security code has been successfully entered.

Refer to "Security code" on page 58 and "Changing your security code" on page 58 for more information.

Q. How do I lock the keypad?

A. There are three ways you can lock the keypad:

• Press **Menu**, scroll to **Keyguard** and press the roller.

• Press **Menu** followed by ✳+ .

• Close the slide, then press the **Lock keys** selection key.

   Refer to "Keypad lock (Keyguard)" on page 56 for more information.

Q. How do I unlock the keypad?

A. There are three ways you can unlock the keypad:

• Press **Unlock** and OK.

• Press **Unlock**, followed by ✳+ .

• Open the sliding cover.

   Refer to "Keypad lock (Keyguard)" on page 56 for more information.

Q. How do I make the ringing louder?

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

   Refer to "Ringing volume" on page 51 for more information.

Q. How do I change the ringing tone?

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

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

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

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

   Refer to "Ringing tone" on page 51 for more information.

Q. How do I store my voice mailbox number?

A. Press **Menu 1–4–2**, enter your voice mailbox phone number, and press **OK**. The screen tells you that the number is saved.

This voice mailbox number is valid unless your phone number changes. If your phone number changes, you will have to save a new voice mailbox number.

Refer to "Setting up your voice mailbox" on page 32 for more information.

Q. How do I call my voice mailbox number (retrieve voice messages)?

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

To listen to your voice messages at a later time, perform one of the following actions:

- Press and hold the [1∞] key.
- Press **Menu 1-2-1**. The message **Calling voice mailbox** appears on the screen. Follow the prompts to access your messages.

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

A. Turn your phone off, then remove the battery from the back of the phone. Your phone's model number is printed on the sticker that is on the rear cover, and is labeled, "Model."

Q. How do I redial the last-dialed number.

A. Press [TALK] in two quick successions

Refer to "Last number redial" on page 21 for more information.

Q. How do I assign a key to 1-touch dialing?

A. Press **Names** and scroll to **1-touch dialing**.

Press **Select**.

Scroll to the first number that includes the message **(empty)** and press **Assign**.

Scroll to the name/number to which you want to assign to this key and press **Select**.

Repeat these steps as many times as necessary.

Refer to "Setting up 1-touch dialing" on page 44 for more information.

Q. How do I find out how many memory locations the phone has?

A. Press **Names** and scroll to **Options**.

Press **Select**.

Scroll to **Memory status** and press **Select** again. A message appears that says **Phone: xx free, xx in use** where xx indicates the percent of memory used.

For more information, refer to "Memory status" on page 49 and "Technical information" on page 120.

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

A. Turn your phone off, then remove the battery from the back of the phone. Your phone's ESN number is printed on the sticker that is on the rear cover, and is labeled, "ESN."

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

A. Press **Menu 4-3-5** and press **Select**. Use the roller to adjust the contrast, then press **OK** (or the roller).

For more information, refer to "Network selection" on page 90

Q. How do I clear my call timers?

A. **WARNING:** The clearing of call timers *cannot* be undone.

Press **Menu 2-5-4** and press **OK**. Enter your security code and press **OK**.

Refer to "Clear call timers" on page 31 for more information.

24. Glossary

Term:	Definition:
analog network	A network where the signal is conveyed by varying the frequency, amplitude or phase of the transmission.
antenna	The portion of your phone designed to transmit and receive the wireless signal.
antenna jack	The connector used to attach an external antenna to your mobile phone (typically used by the CARK-91US car kit).
battery	The source of power for your mobile phone when the phone is not connected to a charger.
bookmark	A way to save a web site address (or URL) to your phone's memory. Use bookmarks to store the addresses of your favorite web sites, then recall them so you can return to the location quickly and easily.
browser	A software program used to view and navigate a portion of the Internet called the World Wide Web, or Internet locations developed for the Wireless Application Protocol (WAP).
data call	A call in which your Nokia phone functions as a data/fax modem, connected to your PC via the DLR-3P cable or infrared port.
digital network	Network where the signal is converted to a digital or binary code before transmission.
earpiece	The portion of your phone that contains the speaker. Used to play the audio portion of a voice call as well as any other audible tones (for example: ringing, warning, etc.)

Term:	Definition:
earpiece volume	The sound level of the earpiece's speaker during a call.
E-mail	Electronic Mail. A written form of communication in which text (and other types of information) is transmitted between recipients electronically via special electronic mail systems managed by corporations and/or Internet service providers.
END key	Used to terminate an active call or reject an incoming call. Also used to return to the Start screen from the phone book or from within the phone's menu.
ESN	Electronic Serial Number. Used by wireless service providers to identify your phone on the wireless network.
fax call	A call in which your Nokia phone functions as a data/fax modem, connected to your PC via the DLR-3P cable or infrared port.
home system	Refers to the wireless system to which you are subscribed.
home type system	Refers to the same type of system to which you are subscribed, but a system that is not your primary home system.
Internet	An elaborate system of interconnected public and private computer networks around the world, used to provide access to information and enable communication between users worldwide.
keypad tones	The sound heard when a key on your phone's keypad is pressed.
message alert tone	The sounds that are heard upon receipt of a text or system message (e.g. call waiting notification) by your phone.
microphone	The electronic element in the base of your phone that picks up your voice and other sounds.

Term:	Definition:
navigate	A term that refers to the act of moving from one Internet site or page to another, or to the act of moving from one area of your phone's memory or menu to another.
non-home type system	Any system that does not use the same wireless "format" as your home system.
number keys	The numbered keys on your phone's keypad.
power key	A key on the front of the phone that allows you to turn the phone on or off. This key can also be used to recall and switch your phone's profiles.
predictive text input	A system developed for rapid text entry using your phone's keypad.
preferred system	Refers to a system that is the same "format" as your home system, but is not the system to which you have subscribed.
ringing option	Refers to the way your phone plays (or *if* it plays) a ringing tone when you have an incoming call.
profile	Refers to the various settings relating to your phone's audible, visible and vibrating alerts, and the ability to have multiple configurations to match your location or environment.
ringing tone	The tone or melody that is heard when you have an incoming call.
ringing volume	Refers to the volume of your phone's ringing tone.
roaming	The state of your phone when you are no longer in your home system. Additional charges may result.

Term:	Definition:
roller	A multi-function key on the front of the phone. Roll the roller to scroll through your phone's menus and phone book. Press the roller to make a selection or to access the phone book.
screen	Your phone's display.
scroll	To move through a list of names, menu items, etc. by rolling the roller up or down. Each new selection or option is highlighted as you roll to it.
selection keys	Refers to the keys under the lower left and lower right corners of your phone's screen.
slide	The moving keypad cover, used to protect the keypad as well as answer and end calls.
SMS	Short Message Service. A service whereby you can send and receive short text messages (typically around 150 characters) with your phone.
system	Another way to refer to your wireless service provider's wireless network.
TALK key	The key used to make or answer a call.
text message	See SMS.
URL	Universal Resource Locator. A URL is a Web site's specific address or location on the Internet (for example: **http://www.nokia.com**).
voice dialing	The ability to dial numbers in your phone using the phone's voice recognition feature. (see voice tags)
voice mail	A system maintained by your service provider, used to record voice messages when you are unable to answer a call.

Term:	Definition:
voice mailbox	The location on your service provider's network used to store voice mail messages.
voice tag	A recording of a user's voice that is assigned to a phone book entry. Voice tag is used in conjunction with voice dialing feature (see voice dialing).
volume	See earpiece volume or ringing volume.
warning and game tones	The tone played when your phone displays a warning, or those tones that are heard when you are playing one of the phone's games.
WAP	Wireless Application Protocol. WAP is a new section of the Internet designed to provide information and services to you, and viewable from your mobile phone's screen.
wireless network	Your service provider's operating environment, including various types of hardware, software, and landline connections, which makes wireless calls possible.
World Wide Web	The part of the Internet that is viewed using a special software application called a *web browser*. The browser in your Nokia phone can access many sites on the World Wide Web, as well as sites designed specifically to be browsed from a mobile phone (see WAP).
WWW	See World Wide Web.

25. Reference information

• Using batteries and chargers

For charging and recharging your phone battery, see "Charge your battery" on page 5.

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

A new battery's full performance is achieved only after two or three complete charge and discharge cycles!

The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time (talk-time and stand-by time) is noticeably shorter than normal, it is time to buy a new battery.

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.

For good operation times, discharge NiMH batteries from time to time by leaving your phone switched on until it turns itself off (or by using the battery discharge facility of any approved accessory available for your phone). Do not attempt to discharge the battery by any other means.

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

When the battery is running out of power and only few minutes of talk time remain, a warning tone is heard and **Battery low** is briefly displayed. When no more talk time is left, the phone will beep three times and **Recharge battery** is displayed. The phone then switches itself off.

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).

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

Do not dispose of batteries in fire!

• Accessories and batteries

This apparatus is intended for use when supplied with power from ACP-7U, ACP-8U, DCH-12K, LCH-9 and DCH-9. Other usage will invalidate any approval given to this apparatus and may be dangerous.

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

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

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

• 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 (15 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 (15 cm) from their pacemaker when the phone is switched on;

- Should not carry the phone in a breast pocket;

- Should use the ear opposite the pacemaker to minimize the potential for interference.

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

Hearing Aids

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

Other Medical Devices

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

Vehicles

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

Posted Facilities

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

Potentially Explosive Atmospheres

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

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

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

Vehicles

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

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

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

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

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

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

• Emergency Calls

IMPORTANT!

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

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

Making an Emergency Call

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

2. If the word **Clear** appears above right selection key, press and hold the selection key to clear the display.

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

4. Press   .

Note: If certain features are in use (Keyguard, call restrictions, etc.), you may first need to turn those features off before you can make an emergency call. Consult this document and your local service provider for more information.

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

Radio Frequency (RF) Signals

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

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

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

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

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

Use of non-Nokia-approved accessories may violate FCC RF exposure guidelines.

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

• Care and Maintenance

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

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

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

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

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

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

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

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

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

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

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

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

26. Technical information

Wireless networks	Dual band/tri-mode TDMA and AMPS
Weight	4.9 oz. (139 g); With BLS-2S, 5.0 oz. (141 g)
Size	7.6 cu. in. (125 cc)
Dimensions:	Length: 4.9 in / 125 mm (min) 7.2 in / 185 mm (max) Width: 2.1 in / 53 mm (max)
Frequency range:	Lowband 824.04 - 848.97 MHz (TX) 869.04 - 893.97 MHz (RX) Highband 1850.04 - 1909.92 MHz (TX) 1930.08 - 1989.96 MHz (RX)
Transmitting power	up to 600 mW nominal
Battery voltage	3.6 V nominal
Charging current	750 mAh max.
Operating temperature	-4°F to + 104°F (-20°C to + 40°C)
Number of channels:	832 lowband, 1997 highband
Number of NAMs	3
Memory locations:	Phone book: up to 1000 entries with up to 5 numbers per name Calendar: up to 660 entries To-do list: up to 100 entries Text messages: up to 100
Memory capacity:	Phone book-alpha: 50 characters per location Phone book-num: 32 digits per location Calendar: 48 characters per note To-do list: 40 characters per note
Digital data:	Data call: 9600bps Fax call: 9600bps, Class 2.0

27. Nokia One-Year Limited Warranty

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

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

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

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

4. During the limited warranty period, NMP will repair, or replace, at NMP's option, any defective parts, or any parts that will not properly operate for their intended use with new or factory rebuilt replacement items if such repair or replacement is needed because of product malfunction or failure during normal usage. No charge will be made to the Consumer for any such parts. NMP will also pay for the labor charges incurred by NMP in repairing or replacing the defective parts. The limited warranty does not cover defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts. NMP's limit of liability under the limited warranty shall be the actual cash value of the Product at the time the Consumer returns the Product for repair, determined by the price paid by the Consumer for the Product less a reasonable amount for usage. NMP shall not be liable for any other losses or damages. These remedies are the Consumer's exclusive remedies for breach of warranty.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nokia Customer Care Center
7725 Woodland Center Blvd., Ste. 150
Tampa, FL 33614
Telephone: 1-888-NOKIA2U (1-888-665-4228)
Facsimile: 1-813-249-9619
TTY Users: 1-800-24NOKIA (1-800-246-6542)

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

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Para obtener un manual del usuario en español favor de llamar o enviar un fax al teléfono 1-888-NOKIA2U, fax 813-249-9619.