

NOKIA

CONNECTING PEOPLE



COMMAND @ HAND



User Guide



NOKIA 7190

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

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Includes RSA BSAFE cryptographic or security protocol software from RSA Security.

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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.

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1. For your safety



This section provides various safety guidelines. Read this information before using your mobile phone (hereafter referred to as "phone"). Failure to comply with these guidelines could prove to be dangerous or illegal. For more detailed safety information, refer to "Important safety information" on page 105.



Road safety comes first

Don't use your phone while driving. Park your vehicle first.



Switch off in hospitals

Switch off your phone when you're in a hospital or near medical equipment. Follow any regulations or rules that are in force.



Switch off in aircraft

Don't use phones on airplanes, this can cause interference with aircraft navigational equipment. Also, the use of phones on airplanes is illegal.



Switch off when refueling

Don't use the phone at a refueling point or near fuel or chemicals of any kind.



Interference

All phones are susceptible to interference, which could affect performance. This interference could prevent you from making an emergency call.



Use sensibly

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



Qualified service

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



Accessories and batteries

Use only approved accessories and batteries. Don't connect incompatible products.



Connecting to other devices

When connecting to any other device, read the other device's user guide for detailed safety instructions. Don't 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, and 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 screen above the right selection key, press **END** to clear the display. Enter the emergency number, and then press **TALK**. Give your location and don't end the call until told to do so.



Infrared precautions

Don't point the infrared (IR) beam at anyone's eyes or allow it to interfere with other IR devices.

2. Welcome to Nokia

Your new Nokia 7190 is more than an exceptional mobile phone. Some people call the 7190 a breakthrough in wireless technology. We call it *Command@Hand*. Managing personal information is easy with the built-in phone book, calendar, and to-do list. Plus, writing messages is faster than ever with a new feature called predictive text input. You can even access selected internet sites right from your phone with the built in WAP browser.

We hope you've already reviewed the Welcome brochure that came with your package. If not, please do so before reading this guide. The Welcome brochure's colorful, informative steps are designed to familiarize you with the basic features of your phone in the shortest time possible.

Also, your phone can be connected to a PC or laptop using its built in Infrared port. For more information, see the accompanying PC Connectivity guide that came with your package.

• To find this guide on the internet

The latest version of this user guide may be available at www.NokiaUSA.com. Go to **Phones** and search for this model (the 7190).

• Using this guide

Throughout this guide, you'll notice repeated use of the following words and phrases. Please take a moment to read and understand their use.

- **Press** briefly press and release a button or the roller.
- **Press xxx** press the selection key below xxx on the screen.
- **Press and hold** press and hold a button for 1 to 3 seconds (depending on the feature being used).
- **Scroll to** use the roller to scroll to an item in a displayed list.









- **Scroll until xxx appears** scroll with the roller until a full page display menu or submenu appears on screen.










Also, certain "styles" of text are used to attract attention or place emphasis.

- *Italicized* text is used to emphasize a point. For example, "You *cannot* use your phone without this card."
- **Bold** text indicates a web address, menu display, or web link. Examples include, "Press **Menu** to enter the menu list" and "You may find this guide on-line at **www.NokiaUSA.com.**"

Icons

Your phone displays icons (pictures) to indicate your call status, remind you of a meeting, to let you know a message is waiting, and much more. These icons and their descriptions are included in the table below:

Icon	Description
	Indicates a call is active.
	The phone is waiting for you to enter numbers or text.
	Musical note. You've turned off your keypad tones, warning tones, message alert tones, and set your ringing tone to Silent .
	Key. Keyguard has been activated to prevent accidental dialing.
	Tape reel. You have one or more voice messages waiting.
	Unopened letter. You have one or more unread text messages waiting.
ABC	Uppercase characters. Any characters you enter will be uppercase. Press  to switch back to lowercase.
abc	Lowercase characters. Any characters you enter will be lowercase. Press  to switch back to uppercase.

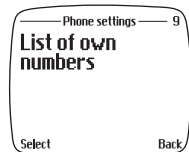
Icon	Description
	Indicates sentence case. The first letter of each sentence will be uppercase.
	Numbers. Appears when you press and hold  while editing text. Only numbers can be entered in this mode.
	Bell. The alarm clock is set.
	Notepad. You have General note entered in your Calendar.
	Gift. You have a note in your Calendar that it is someone's birthday.
	Telephone. You have a note in your Calendar to call someone.
	Handshake. You have a note in your Calendar of a meeting.
	Battery. See "Start screen" on page 13 for a picture and description of the battery and battery bar.

• Network dependent features


Some features described in this guide may not be available in your home network. The paragraph heading for features such as these will display an asterisk (*). See the example below:

• List of own numbers*

Your service provider may have saved your phone, data, and fax numbers to the SIM card. To view these numbers:



• Contacting your service provider*

You may be able to contact your service provider by pressing and holding  ¹. This is helpful if you're having trouble, such as when traveling outside your home area. If you have a problem that your service provider considers to be Nokia related, the service provider will let you know.

If you're unable to contact your service provider using the method above, try dialing the number using the keypad. If you've lost the number, you may be able to find it in your phone's memory (if enabled).

- 1 Press **Names**, scroll to **Service numbers**, and press the roller.
- 2 Scroll to any of the service numbers that appear and press the roller again.

From here, you can **Call** the number, **View details** of the number, or **Copy** the number to your Phone book.

• Contacting Nokia

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

Nokia Customer Care Center

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

Customer Care, Canada

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

1. This *one-key* feature might not be available on your system. Contact your service provider for availability.

3. Before you begin

• Install the SIM card

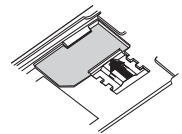
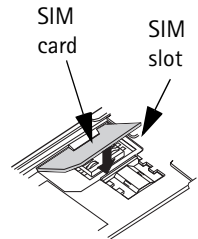
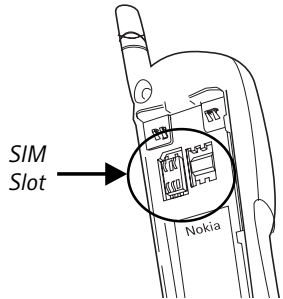
The slot for the SIM card is located on back of your phone, beneath the battery. To install the SIM card, *be sure that the phone is turned off*, and perform the following steps:

- If the battery is already attached, see "Remove the battery" on page 9.
- If the battery isn't attached, go to step 1.

- 1 Insert the SIM card as shown, with the gold contacts facing down.

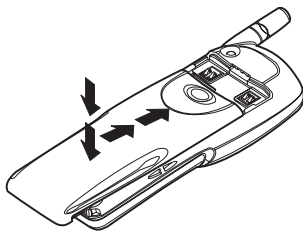
Important! The beveled corner on the SIM card must match up with the beveled corner on the SIM slot.

- 2 Lock the SIM card into place by sliding the card holder to the left.



Install the battery

- 1 Align the battery with the slots on back of the phone.
- 2 Gently slide the battery toward the antenna until you hear a click.



Charge the battery

- 1 Plug the lead from the charger into the *circular jack* on the end of your phone.
- 2 Plug the AC adapter into a standard wall outlet. The phone beeps and the battery bar on screen starts to scroll from bottom to top.

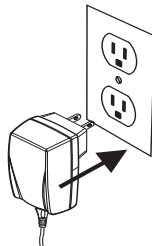
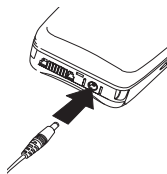
Note: If the battery is empty, it will take a moment for the bar on screen to begin scrolling.

Tip: You can use the phone while it's charging.

- 3 When the battery bar stops scrolling, the battery is fully charged.

Note: Charging time depends on the charger and battery. For example, charging time for the BLS-2N battery with the ACP-7U charger is about 2 hours.

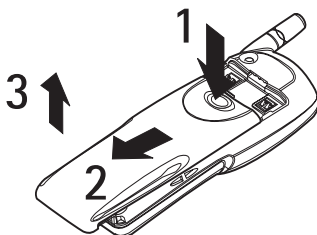
- 4 Disconnect the charger from the phone and unplug it from the wall outlet once the battery is fully charged.



Remove the battery

Note: Switch the phone off before removing the battery.


- 1 Press the release button on back of the battery.
- 2 Push the battery toward the bottom of the phone until it stops.
- 3 Lift the battery to remove.

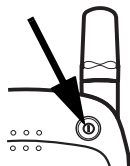


• Switch the phone on



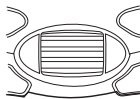
Do not switch the phone on where wireless phone use is prohibited or when it may cause interference or danger!

- 1 Press and hold  until you see the display light up (about 3 seconds).
- 2 Enter the PIN code (if necessary) and press OK.



• Navi™ roller

You'll probably use the Navi roller as much or more than any other key on your phone. Use the roller in tandem with the selection keys to navigate menus, select items in lists, connect to the internet, and much more.



- Roll the roller up or down to scroll through a list or to page through menus and submenus.
- Press the roller to do the following (depending on what is displayed):
 - Show details of a highlighted name or number.
 - Display a submenu.
 - Select a highlighted function or setting.

Tip: A press of the roller at the Start screen displays the **Names List** from the Phone book. You can change this function so that a roller press displays other features. See "Customize the roller" on page 61 for more information.

• Your phone's clock

You can set the time, the time format (12/24 hr), and whether you want to display the clock on screen or hide it from view.

Show or hide the clock


- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.

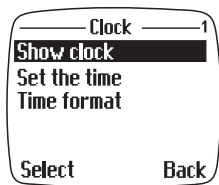
Time settings appears on screen.

- 3 Press the roller, scroll until **Clock** appears, and press the roller again.

Show clock is highlighted.

- 4 Press the roller.

Clock shown  appears on screen.



Note: To hide the clock, follow the steps above, but scroll to **Hide clock** (in step 4) instead of **Show clock**.

Select the display format

Your phone supports both 12 and 24-hour display formats.

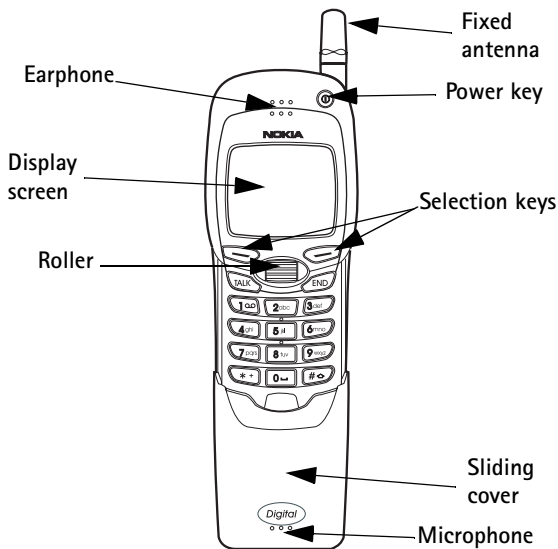
- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
Time settings appears on screen.
- 3 Press the roller and scroll until **Clock** appears.
- 4 Press the roller and scroll to **Time format**.
- 5 Press the roller, scroll to **24-hour** or **am/pm**, and press the roller again.
am/pm selected or **24-hour clock selected** appears on screen.

Set the time

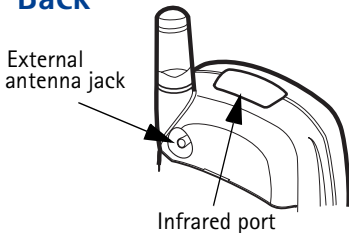
- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
Time settings appears on screen.
- 3 Press the roller and Scroll until **Clock** appears.
- 4 Press the roller, scroll to **Set the time**, and press the roller again.
- 5 Scroll with the roller to change the hour (or use the keypad).
- 6 When the correct hour is displayed, press the roller.
The minutes are highlighted.
- 7 Scroll with the roller to change the minutes, or you can enter the minutes using the keypad.
- 8 Press **OK**.
- 9 Scroll to **am** or **pm** and press the roller.
Time is set appears on screen.

4. About your phone

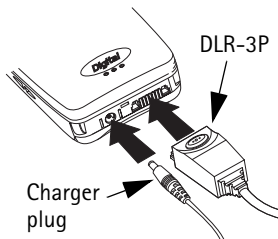
Front



Back




Bottom

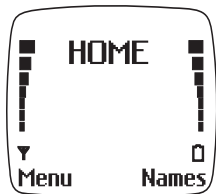


• Your phone's display

Start screen

The Start screen refers to the phone's initial display, no menus or submenus are shown.

Return to the Start screen from anywhere by pressing .



HOME Your service provider's name often appears here.



The segmented bar above this icon indicates signal strength. The higher the bar - the stronger the signal.

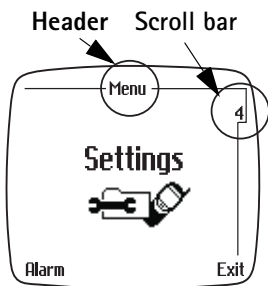


The segmented bar above this icon indicates the battery level. The higher the bar - the more power left in the battery.

Header and scroll bar

When you're navigating menus, a *header* appears at the top of your screen. The header shows the menu or submenu in which you're working.

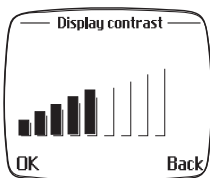
The *scroll bar* shows the menu number as well as the menu's relative position within the menu structure.



Adjust the display contrast

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

- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll to **Phone settings** and press the roller.
- 4 Scroll to **Display contrast** and press the roller.



A bar graph appears on screen.

- 5 Roll the roller up or down to adjust the contrast.
- 6 Press the roller to accept your changes.

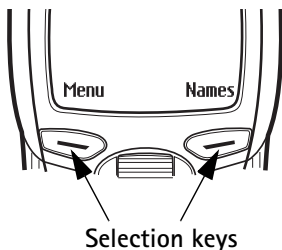
• Your phone's keys

Key	Description
	Power key: Press and hold to switch the phone on or off, or to display the profiles list.
	Selection keys: Press one of these to perform the function indicated on screen above the key.
	Roller: Roll to scroll through menus and lists. Press to select a highlighted item. Use during a call to adjust the earpiece volume.
	Talk key: Press to call the name/number shown on screen or to answer a call. Press once at the Start screen to enter the list of last-dialed numbers.
	End key: Press to end a call or to return to the main menu. Note: On AMPS, pressing the end key will mute the ring.
	Number keys: Press to enter a number or letter. Tip: Press and hold to call your voice mailbox.
	is used for scrolling through dialing codes and bringing up the special characters list. is used to perform special functions (such as changing the letter case in ABC mode) and switching from ABC to 123 mode.

Selection keys

Two selection keys are located below the display screen. In this guide, each selection key is referred to by the text above it, inside the screen (such as **Menu** or **Names**).

For example, pressing **Menu** displays the first of many menus. Similarly, pressing **Names** displays the Phone book menu.

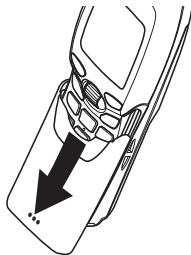


• The sliding cover

The sliding cover protects the keypad and can be used to answer, end, or reject a call.

- To open the cover, slide it down.
- To close the cover, slide it up until you hear a click.

Tip: Closing the cover exits the menu or Phone book and returns you to the Start screen.



Just in case...



If the plastic part of your sliding cover accidentally comes off, reattach the cover as described in "Reattach the sliding cover" on page 120.

5. Make and answer calls


Besides using your keypad, you can also make calls using your phone book, voice dial, or 1-touch dialing, once you've programmed these features.

Tip: Use the index in back of this guide to locate these features quickly.

• Make a call with the keypad

- 1 Open the sliding cover while the phone is on.
- 2 Enter the area code and phone number using the keypad.
- 3 Press . Your phone dials the number.
- 4 To end the call, press .

Make an international call


- 1 Enter the correct international dialing prefix.
- 2 Enter the correct international country code (1 for the US, 58 for Venezuela, and so on).
- 3 Enter the area code and phone number.
- 4 Press . Your phone dials the number.

Call service numbers*

If your service provider has enabled this feature, you can view the phone numbers saved to your SIM card.

- 1 At the Start screen, press **Names** and scroll to **Service numbers**.
- 2 Press the roller and scroll to any of the service numbers that appear.
- 3 Press the roller again. From here, you can **Call** the number, **View details** of the number, or **Copy** the number to your Phone book.

• Answer a call

- Open the sliding cover, or press  .

• End a call



- Press  or close the sliding cover.

• Reject a call

- Press **Decline** or close the sliding cover while your phone is ringing. A busy signal is sent to the network.

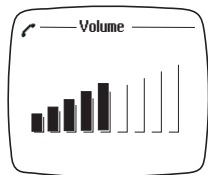
• Re-dial the last number

The last 30 numbers dialed from your phone are stored in memory. To display and redial these numbers:

- 1 At the Start screen, press  .
- 2 Scroll to any of the numbers using the roller.
- 3 Press  to call the number, or press **Options** to display the following list:
 - Call** Calls the highlighted number.
 - Call time** Allows you to view the call time and date of the highlighted number.
 - Edit number** Allows you to edit the number and save it to your phone.
 - Save** Saves the number to memory. You can edit the name and number before you save.
 - Add to phone book** . Adds the number to your phone book.
 - Erase** Erases the number from your dial list.
- 4 Scroll to highlight an option. Press the roller to select.

• Earpiece volume

While in a call, roll the roller. A bar graph appears on screen. Roll the roller again to adjust the volume. The larger bars indicate higher earpiece volume.



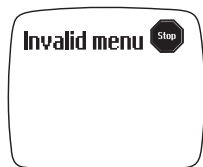
6. Menu navigation

Your phone has 12 main menus. Each main menu contains a number of submenus and lists. You can navigate the menus using the roller and selection keys, or you can use a shortcut.

• Important info about shortcuts

Shortcuts are a quick and easy way to access features. However, they don't always work (for the reasons described below).

Some features are dependent upon your service provider. The absence of a feature not only affects the menu number for that feature but other features within the menu as well. If you try to "shortcut" to a feature affected in this manner, an error message such as the one on the right appears. If this happens, try to locate the feature using the roller and selection keys. If you can't locate the feature, contact your service provider for more information about the feature in question.



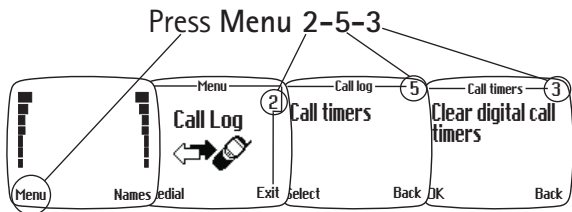
The Help Feature

A brief help description is available for most menus and submenus. Just go to any menu and wait for 10 seconds.

Use a shortcut

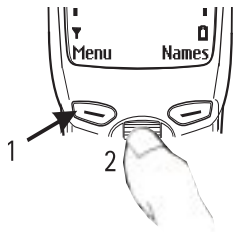
Note: The Messages (1), Calculator (7), and Calendar (8) submenus can't be accessed using shortcuts. Access the menus and submenus of these functions using the roller method only.

Press Menu (at the Start screen), followed by the main menu #, its submenu #, and so on. For example, to clear digital call timers, press Menu 2-5-3 (Call log > Call timers > Clear digital call timers).



Use the roller

- 1 At the Start screen, press Menu.
- 2 Scroll through the menus with the roller.
- 3 Press the roller to enter the displayed menu.
- 4 Navigate the submenus and lists using the roller and left or right selection keys.



Return to a previous menu

- To return to the Start screen from any menu, press **END**.
- While in a submenu, press **Back** to return to the previous menu. For example, if you're at **Settings>Time settings**, pressing **Back** will return you to **Settings**.

Exit a menu without changing settings

- Press **Exit**, **END**, or close the sliding cover.

• Menu list

1. Messages

1 Text messages

Write (options)

Send message

Sending options

Multiple copies

Save message

Clear screen

Insert name (Options)

Insert name

View details

Insert number

Find

Insert template

Please call

Call me at home,...

Call me at work,...

I'm in a meeting,...

Meeting is canceled...

I am late, I will be...

See you in.

See you at

Sorry, I can't help...

I will be arriving...

Exit

Move cursor

Dictionary

Dictionary off/on

English

Français

Español

1) Inbox (options)

1) Add folder

2) Write message

3) Empty the folder

4) Open folder

5) Message settings

1) Message center number

2) Messages sent as

1) Text

2) E-mail

3) Page

4) Fax

3) Message validity

1) 1 hour

2) 6 hours

3) 24 hours

4) 3 days

5) 1 week

6) Maximum time

4) Default recipient number (options)

1) Find

2) Accept

5) Delivery reports

1) On

2) Off

6) Reply via same center

1) Yes

2) No

2) Outbox (options)

1) Add folder

2) Write message

3) Empty the folder

4) Open folder

5) Message settings

1) Message center number

2) Messages sent as

1) Text

2) E-mail

3) Page

4) Fax

- 3) *Message validity*
 - 1) 1 hour
 - 2) 6 hours
 - 3) 24 hours
 - 4) 3 days
 - 5) 1 week
 - 6) Maximum time
- 4) *Default recipient number (options)*
 - 1) Find
 - 2) Accept
- 5) *Delivery reports*
 - 1) On
 - 2) Off
- 6) *Reply via same center*
 - 1) Yes
 - 2) No
- 3) *Archive (options)*
 - 1) *Add folder*
 - 2) *Write message*
 - 3) *Open folder*
 - 4) *Message settings*
 - 1) *Message center number*
 - 2) *Messages sent as*
 - 1) Text
 - 2) E-mail
 - 3) Page
 - 4) Fax
 - 3) *Message validity*
 - 1) 1 hour
 - 2) 6 hours
 - 3) 24 hours
 - 4) 3 days
 - 5) 1 week
 - 6) Maximum time
 - 4) *Default recipient number (options)*
 - 1) Find
 - 2) Accept
 - 5) *Delivery reports*
 - 1) On
 - 2) Off
 - 6) *Reply via same center*
 - 1) Yes
 - 2) No

Templates

- 1) *Please call*
 - 2) *Call me at home,...*
 - 3) *Call me at work,...*
 - 4) *I'm in a meeting,...*
 - 5) *Meeting is canceled...*
 - 6) *I'm late. I will b...*
 - 7) *See you in*
 - 8) *See you at*
 - 9) *Sorry, I can't hel...*
 - 10) *I will be arriving...*
- 2 Voice messages***
- 1) Listen to voice messages
 - 2) Voice mailbox number

2. Call log

- 1 Missed calls**
- 2 Received calls**
- 3 Dialed calls**
- 4 Clear call lists**
 - 1) All calls
 - 2) Missed calls
 - 3) Dialed calls
 - 4) Received calls
- 5 Call timers**
 - 1) Last call
 - 1) *Current call timer*
 - 1) *Off*
 - 2) *On*
 - 2) All digital calls
 - 3) All analog calls (if AMPS module is attached)
 - 4) Clear digital call timers (security code needed)
 - 5) Clear analog call timers (security code needed) (if AMPS module is attached)

3. Profiles

- 1 Normal (options)**
 - 1) Select
 - 2) Customize (same for all profiles except Headset)
 - 1) *Ringling options*
 - 2) *Ringling tone*
 - 3) *Ringling volume*
 - 4) *Vibrating alert*
 - 5) *Message alert tone*
 - 6) *Keypad tones*
 - 7) *Warning tones*
- 2 Silent**
 - 1) Select
 - 2) Customize (see **Normal** profile for custom options)
 - 3) Rename
- 3 Meeting**
 - 1) Select
 - 2) Customize (see **Normal** profile for custom options)
 - 3) Rename
- 4 Outdoor**
 - 1) Select
 - 2) Customize (see **Normal** profile for custom options)
 - 3) Rename
- 5 Pager**
 - 1) Select
 - 2) Customize (see **Normal** profile for custom options)
 - 3) Rename
- 6 Handsfree (appears only with the Handsfree kit attached)**

7 Headset

- 1) Customize
 - 1) *Ringling options*
 - 2) *Ringling tone*
 - 3) *Ringling volume*
 - 4) *Vibrating alert*
 - 5) *Message alert tone*
 - 6) *Keypad tones*
 - 7) *Warning tones*
 - 8) *Automatic answer*

4. Settings

1 Time settings

- 1) Alarm clock
 - 1) *Select*
- 2) Clock
 - 1) *Show clock/Hide clock*
 - 2) *Set the time*
 - 3) *Time format*
 - 1) *24-hour*
 - 2) *am/pm*

2 Call settings

- 1) Anykey answer
 - 1) *On*
 - 2) *Off*
- 2) Automatic redial
 - 1) *On*
 - 2) *Off*
- 3) 1-touch dialing
 - 1) *On*
 - 2) *Off*
- 4) Call waiting
 - 1) *Activate*
 - 2) *Cancel*
 - 3) *Check status*
- 5) Line for outgoing calls
 - 1) *Line 1*
 - 2) *Line 2*

- 6) Summary after call
 - 1) *On*
 - 2) *Off*
- 7) Fax or data call
 - 1) *Fax & data*
 - 2) *Fax, data, & voice*
 - 3) *Fax mailbox*
 - 4) *Data mailbox*
- 8) Send own caller ID when calling
 - 1) *Default*
 - 2) *Yes*
 - 3) *No*
- 9) Calling card
 - 1) *None*
 - 2) *Card A*
 - 1) *Select*
 - 2) *Edit*
 - 3) *Erase*
 - 3) *Card B*
 - 1) *Select*
 - 2) *Edit*
 - 3) *Erase*
 - 4) *Card C*
 - 1) *Select*
 - 2) *Edit*
 - 3) *Erase*
 - 5) *Card D*
 - 1) *Select*
 - 2) *Edit*
 - 3) *Erase*

3 Phone settings

- 1) Language
 - 1) *Automatic*
 - 2) *English*
 - 3) *Français*
 - 4) *Español*
- 2) Cell info display*
 - 1) *On*
 - 2) *Off*

- 3) System
 - 1) *Automatic*
 - 2) *Manual*
- 4) Roller function
 - 1) *Phone book*
 - 2) *Quick menu*
 - 3) *1-touch dialing*
 - 4) *Dialed calls*
 - 5) *Profiles*
- 5) Notifications on SIM update*
 - 1) *Shown*
 - 2) *Not shown*
- 6) Display contrast
- 7) Slide setting
 - 1) *On*
 - 2) *Off*
- 8) Touch tone length
 - 1) *Short*
 - 2) *Long*
- 9) List of own numbers*
(must be supported by SIM card)
- 4 Communication settings**
 - 1) News and info service*
 - 1) *On*
 - 2) *Off*
 - 3) *Topic index*
 - 4) *Topics*
 - 1) *Add*
 - 5) *Language*
 - 1) *All*
 - 2) *English*
 - 3) *Français*
 - 4) *Español*
 - 2) Service command editor*
- 5 Security settings**
 - 1) SIM card security
Enter PIN code: 1234 is default
 - 1) *On*
 - 2) *Off*
- 2) Call restrictions*
 - 1) *Outgoing calls*
 - 1) *Activate*
 - 2) *Cancel*
 - 3) *Check status*
 - 2) *International calls*
 - 1) *Activate*
 - 2) *Cancel*
 - 3) *Check status*
 - 3) *International calls except to home country*
 - 1) *Activate*
 - 2) *Cancel*
 - 3) *Check status*
 - 4) *Incoming calls*
 - 1) *Activate*
 - 2) *Cancel*
 - 3) *Check status*
 - 5) *Incoming calls if roaming*
 - 1) *Activate*
 - 2) *Cancel*
 - 3) *Check status*
 - 6) *Cancel all call restriction*
Restriction password:
- 3) Fixed dialing
- 4) Closed user group
 - 1) *System default*
 - 2) *On*
Group number:
 - 3) *Off*
- 5) Security level
Enter security code:
 - 1) *Off*
 - 2) *Memory*
 - 3) *Phone*
- 6) Module Security (if AMPS module is attached)

- 7) Change access codes
 - 1) *Change PIN code*
 - 2) *Change PIN2 code*
 - 3) *Change security code*
 - 4) *Change restriction password*
 - 5) *Change module code (if AMPS module is attached)*

5. Forwarding

- 1 **Forward all voice calls***
 - 1) Activate
 - 1) *To voice mailbox*
 - 2) *To other number*
 - 2) Cancel
 - 3) Check status
- 2 **Forward when not able to take calls***
 - 1) Activate
 - 1) *To voice mailbox*
 - 2) *To other number*
 - 2) Cancel
 - 3) Set delay time
 - 1) *5 seconds*
 - 2) *10 seconds*
 - 3) *15 seconds*
 - 4) *20 seconds*
 - 5) *25 seconds*
 - 6) *30 seconds*
- 3 **Forward all fax calls***
 - 1) Activate
 - 1) *To fax mailbox*
 - 2) *To other number*
 - 2) Cancel
 - 3) Check status

4 Forward all data calls*

- 1) Activate
 - 1) *To data mailbox*
 - 2) *To other number*
- 2) Cancel
- 3) Check status

5 Cancel all call forwarding

6. Games

Play

- 1 **Snake II**
 - 1) 1 player
 - 2) 2 players
 - 3) Level
 - 4) Top score
 - 5) Instructions
- 2 **Rotation**
 - 1) New game
 - 2) Level
 - 3) Instructions
- 3 **Racket**
 - 1) New game
 - 2) Level
 - 3) Instructions
- 4 **Opposite**
 - 1) New game
 - 2) Level
 - 3) Instructions
- 5 **Settings**
 - 1) Sounds
 - 1) *Off*
 - 2) *On*
 - 2) Lights
 - 1) *Off*
 - 2) *On*

7. Calculator

Options

- 1 Exchange rate

8. Calendar

View>Options

- 1 Make a note
 - 1) Meeting
 - 2) Call
 - 3) Birthday
 - 4) General note
- 2 View by weeks
- 3 Go to date
- 4 View selected day
- 5 Settings
 - 1) Set the date
 - 2) Set the time
 - 3) Date format
 - 1) *dd mm yyyy*
 - 1) *date separator (.)*
 - 2) *date separator (/)*
 - 3) *date separator (-)*
 - 2) *mm dd yyyy*
 - 1) *date separator (.)*
 - 2) *date separator (/)*
 - 3) *date separator (-)*
 - 3) *yyyy mm dd*
 - 1) *date separator (.)*
 - 2) *date separator (/)*
 - 3) *date separator (-)*
 - 4) Time format
 - 1) *24-hour*
 - 2) *am/pm*
 - 5) Week starts on
 - 1) *Monday*
 - 2) *Sunday*
 - 3) *Saturday*

- 6) Autoerase
 - 1) *Never*
 - 2) *Older than 1 mo.*
 - 3) *Older than 3 mos.*
 - 4) *Older than 6 mos.*

9. To-do list

Options (with no previous entries)

- 1 Add
- 2 Go to calendar (scroll to day, week, or month)
- 3 Dictionary
 - 1) Dictionary off
 - 2) English
 - 3) Français
 - 4) Español

Options (with previous entry)

- 1 Add
- 2 Erase
- 3 Edit
- 4 Change priority
 - 1) High (1)
 - 2) Medium (2)
 - 3) Low (3)
- 5 View
- 6 View by priority
 - 1) High (1)
 - 2) Medium (2)
 - 3) Low (3)
- 7 Go to calendar
- 8 Save to calendar
- 9 Send as text
 - 1) Send message
 - 2) Sending options
 - 1) *Multiple copies*
 - 3) Save message

- 4) Clear screen
- 5) Insert name
- 6) Insert number
- 7) Insert template
- 8) Exit
- 9) Insert word
- 10) Insert symbol
- 11) Edit word
- 12) Next match
- 13) Dictionary

10 Dictionary

- 1) Dictionary off
- 2) English
- 3) Français
- 4) Español

10. Infrared

Activate

11. Services*

1 Home

2 Bookmarks

Options

- 1) Add bookmark

3 Settings

- 1) Connection settings

1) Set 1

- 1) *Activate*
- 2) *Edit*

- 1) Homepage
- 2) Connection type
- 3) Connection security
- 4) Bearer
- 5) Dial-up number
- 6) IP address
- 7) Authentication type

- 8) Data call type
- 9) Data call speed
- 10) Username
- 11) Password

3) *Rename*

2) *Set 2*

- 1) *Activate*
- 2) *Edit (same as set 1)*
- 3) *Rename*

3) *Set 3*

- 1) *Activate*
- 2) *Edit (same as set 1)*
- 3) *Rename*

4) *Set 4*

- 1) *Activate*
- 2) *Edit (same as set 1)*
- 3) *Rename*

5) *Set 5*

- 1) *Activate*
- 2) *Edit (same as set 1)*
- 3) *Rename*

- 2) Appearance settings

1) *Text wrapping*

- 1) *On*
- 2) *Off*

2) *Show images*

- 1) *On*
- 2) *Off*

- 3) Security certificate

4 Go to address

5 Clear the cache

12. Keyguard




Press the roller and follow the instructions to activate and deactivate.

7. Your phone's keypad

• Enter characters and numbers

You can enter any combination of numbers and letters into text messages, phone book entries, or web addresses using the **ABC** and **123** modes. The phone's current mode is indicated in the upper left corner of the screen. To enter a letter or number, press the key labeled with that letter or number while in **ABC** or **123** mode.


Note: The default case in **ABC** mode is sentence case. Only the first letter of each sentence is capitalized.

- To enter a word, press any key once to insert the first letter on the key, twice for the second letter, and so on.
- Press  to enter a space between words.
- Press  briefly while in **ABC** mode to enter a period (.). Press repeatedly to bring up other characters.
- Press and hold  to display special characters such as punctuation marks, slashes, and more. More about this on the next page.
- If you enter an incorrect character, press **Clear** to erase.
- To erase more than one character, press **Clear** as many times as necessary, or press and hold **Clear** to delete all characters.

Tip: Predictive text input is a faster way to write messages. See "Write words with predictive text" on page 82 for more information.

Switch between ABC and 123 mode

The default is **ABC** mode, but you can switch modes easily.

At a text message or phone book entry, press and hold  until the **ABC** icon in the upper left corner of the display switches to **123** (or vice versa).

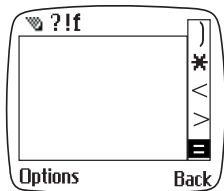
Switch between uppercase and lowercase

Press **# ⇄** to switch to and from uppercase to lowercase characters while in **ABC** mode or while entering special characters.

• Enter special characters

While in **ABC** mode, press *** +** to display a list of special characters on the right of your screen.

- Scroll to highlight a character. Press the roller to enter the character into your message.



Press **# ⇄** to switch between uppercase and lowercase characters, if they're available.

Available special Characters							
.	?	!	@	'	-	_	(
)	,	:	;	&	/	~	\
%	*	#	+	<	=	>	"
€	£	\$	¥	☉	§	ı	ı
Àà	Áá	Ââ	Ãã	Ää	Åå	Ææ	Çç
Ðð	Èè	Éé	Êê	Ëë	Ìì	Íí	Îî
Ïï	Ññ	Òò	Óó	Ôô	Õõ	Öö	Øø
β	Ùù	Úú	Ûü	Üü	Þþ		

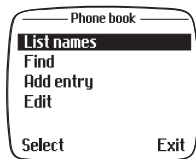
8. Phone book

You can store up to 1000 names, numbers, addresses, and e-mail addresses in your Phone book. Numbers can be (up to) 32 digits long, while names can be up to 50 characters long.

• Open the Phone book

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

To highlight an item, scroll to it with the roller.
Press the roller to select the item.



Add names and numbers to the phone book

- 1 At the Start screen, press **Names**.
- 2 Scroll to **Add entry** and press the roller.
- 3 Enter a name using the keypad or roller and press **OK**.
- 4 Enter a number using the keypad and press **OK**.

Saved to phone appears on screen.


- 5 Press **END** to return to the Start screen.

Add a text entry to a name

Once you've added a contact to your phone book, you'll probably want to add more information about the contact, such as an email address, mailing address, or a note.

Note: A text entry cannot be created as a "stand alone" contact in your phone book. Text entries can only be added to existing contacts.

- 1 Find the entry in your phone book to which you want to add text.
- 2 Press **Options**, scroll to **Add text**, and press the roller.
- 3 Scroll to the text type (**E-mail**, **Address**, or **Note**) of your choice and press the roller.

- 4 Enter the text with the keypad and press **OK**.
- 5 Press  to return to the Start screen.

Save a number quickly

- 1 At the Start screen, enter a number to save.
- 2 Press and hold **Options**.
Saved to phone appears on screen.

• Phone book options

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

The following options appear on screen. Scroll through the list with the roller. Press the roller to select.

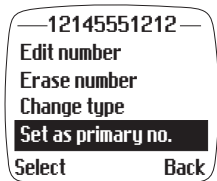
Menu Option	Use this option to..
List names	Scroll through a list of saved names.
Find	Search for a specific name.
Add entry	Enter a new name and number, then add it to the Phone book.
Voice tags	List all of the names and numbers that have voice tags assigned to them.
Edit	Update or change any saved name or number.
Erase	Erase names and numbers. You can erase individual names and numbers, or all information at one time.
Copy	Copy names and numbers from your phone to a SIM card.
Add number	Add a number to an existing name.
Options	Choose the scrolling view and shows the memory status.
1-touch dialing	Assign up to eight 1-touch dialing locations. See "1-touch dialing" on page 59.
Service numbers	View the service numbers for your wireless service provider.

Specify a primary number

If any names in your Phone book have multiple numbers, it's a good idea to specify the number that you dial most often (for that name) as the *primary number*. By assigning the "most-used" number as primary, you're telling the phone to dial *that* number when you select the name for dialing - a great time saver when dialing names with 2 or more numbers.

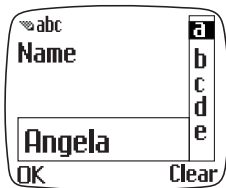
- 1 At the Start screen, press **Names**.
- 2 Scroll to **List names** (if necessary) and press the roller.
- 3 Scroll to any name containing multiple numbers and press the roller.
- 4 Scroll to the number you wish to specify as the primary number.
- 5 Press **Options** and scroll to **Set as primary no.**.
- 6 Press the roller.

Primary number changed appears on screen.




Edit stored names and numbers

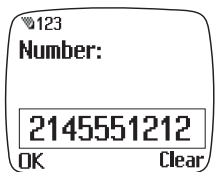
- 1 At the Start screen, press **Names**.
- 2 Scroll to **Edit** and press the roller.
- 3 Scroll to the name you wish to edit and press the roller.
 - Scroll with the roller to highlight a letter or character on the right of the screen, or enter letters using the keypad.
 - Press the roller to accept the letter or character.
 - Press **Clear** to backspace and delete a letter or character.
 - Press and hold **Clear** to delete all characters on screen.



- 4 Press **OK** to accept your changes.

The number edit screen appears.

- Scroll with the roller to move the cursor between numbers.
- Press **Clear** to backspace and delete.
- Enter numbers using the keypad.
- Press  repeatedly to cycle through dialing codes.



- 5 Press **OK** when you are finished.

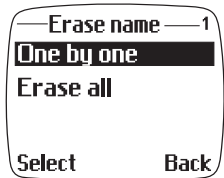
A beep sounds, and **Saved to phone** or **Saved to SIM card** appears, depending on which memory you've selected as your default.

Erase stored names and numbers

You can erase stored names and numbers one by one or all at once.

Erase a single name

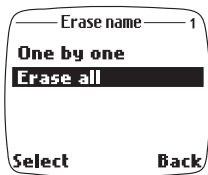
- 1 At the **Start** screen, press **Names**.
- 2 Scroll until **Erase** is highlighted and press the roller.
One by one and **Erase all** appear on screen.
- 3 Scroll to **One by one** and press the roller.
A list of entries appear on screen.
- 4 Scroll to the name you wish to erase and press the roller.
Erase all details? ___ appears on screen.
- 5 Press **OK**.



The name and associated number are deleted. The display returns to the entry list.

Erase all names and numbers

- 1 At the Start screen, press **Names**.
- 2 Scroll to **Erase** and press the roller.
- 3 Scroll to **Erase all** and press the roller.
You're given the option to erase all numbers from the **Phone** or the **SIM card**.
- 4 Scroll to **Phone** or **SIM card** and press the roller.
- 5 Press **OK** to confirm or **Back** to exit.



The phone then asks for the security code. The default security code is 12345, but it's recommended that you change the security code to protect your phone from unauthorized use. See "Security code" on page 65 for detailed instructions on how to change the security code.

- 6 Enter the security code using the keypad and press **OK**.

Important! If you enter the wrong security code 3 times in a row, the phone is blocked and won't accept a security code for 5 minutes.

• Customize your Phone book

Phone book view

Your phone can display names and numbers in your Phone book one of two ways:

- Names only - the phone displays up to four names.
- One name and its associated number.

Select your Phone book view:

- 1 At the Start screen, press **Names**.
- 2 Scroll to **Options** and press the roller.
- 3 Scroll until **Phone book view** appears and press the roller.
- 4 Scroll to **Name and number** or to **Name list** and press the roller.

• Your phone's memory

Your phone has two types of memory - Phone memory and SIM memory. You can save names and numbers to either of these memory types, but there are advantages specific to each type. Phone memory is the default, but you can switch between SIM and Phone memory any time you like.

Note: To use Voice dial, you must select **Phone memory**.

Only names and numbers saved to the memory that is currently in use will display on screen.

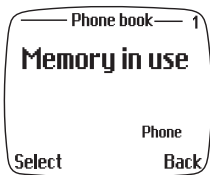
Which memory is best for you?

To determine which memory setting is best for you, use the table below:


Feature	Phone Memory	SIM Card Memory
Name capacity	Up to 1000 names	Up to 250 names (varies with each SIM card)
Number capacity	Up to 5 numbers per name	One number per name
Can use the voice dialing feature with the names stored in the phone book	Yes	No
Can easily transfer names and numbers to another phone	No	Yes

Select a memory type

- 1 At the Start screen, press **Names**.
- 2 Scroll to **Options** and press the roller.
- 3 Press the roller again.
SIM card and Phone appear on screen.
- 4 Scroll to the desired memory type and press the roller.




Tip: If you want to save more than one number with a name or if you want to use Voice dialing, choose **Phone memory**.

- 5 Press  to return to the Start screen.

Copy (or move) numbers from the SIM card to the phone or vice versa

Copy numbers one by one

- 1 At the Start screen, press **Names**.
- 2 Scroll to **Copy** and press the roller.
- 3 Scroll until **From phone to SIM card** or **From SIM card to phone** appears on screen and press the roller.
- 4 Scroll to **One by one** and press the roller.
- 5 A list of names appears on screen. Scroll to the name of your choice and press the roller.
- 6 Scroll to **Copy original** or **Move original** and press the roller.
- 7 The entry is copied (or moved). You're then returned to the list of names where you can choose another entry. If you wish to return to the Start screen, press .

Note: **Copy original** duplicates information and moves it to the SIM card, while **Move original** deletes the information from the phone memory (after moving). If you're unsure about which option to use, it's safer to use **Copy original**.

Copy all numbers or copy only primary numbers

- 1 At the Start screen, press **Names**.
- 2 Scroll to **Copy** and press the roller.
- 3 Scroll until **From phone to SIM card** or **From SIM card to phone** appears on screen and press the roller.
- 4 Scroll to **All** and press the roller.

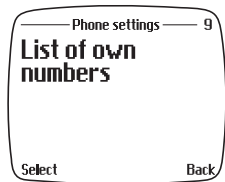
If you are copying numbers from the phone to the SIM card, there is an additional option (**Primary numbers**) which will copy only the primary numbers of the entries in your phone book to the SIM card. To learn more about primary numbers, see “Specify a primary number” on page 33 of your User Guide.

- 5 Scroll to **Copy original** or **Move original** and press the roller.
- 6 **Copy entries?** or **Move entries?** appears on screen. Press **OK**.
- 7 The entries are copied. Press **Quit** to return to the Start screen.

● List of own numbers*

Your service provider may have saved your phone, data, and fax numbers to your SIM card. To view these numbers:

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Phone settings** appears and press the roller.
- 4 Scroll until **List of own numbers** appears and press the roller.
- 5 Scroll through the numbers using the roller.

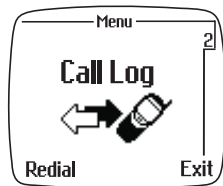


Note: This feature may not be supported by your SIM card. Contact your service provider if you receive an error and would like this feature enabled.

9. Call log*

Call log stores information about missed, dialed, or received calls. In order for Call log to work, *all* of the following must exist:

- Your clock must be set (see page 11).
- Your service provider must support caller ID, and it must be enabled.
- Your calls must not be blocked.
- The phone must be on.
- Your phone must be within the service area.



• Check missed calls*

Your phone saves the phone numbers of the last 30 missed calls. Missed calls are those calls which have never been answered. When the number of missed calls exceeds 30, the most recent missed call replaces the oldest. You can check for missed calls one of two ways:

If your phone is powered on and you've missed a call, **__ missed call** (or calls) appears on screen.

- 1 Press **List**, press the roller, and scroll to the desired number.
- 2 Press the roller again to view details of the number.

OR

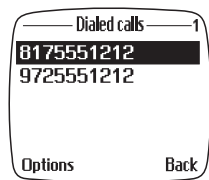
- 1 Press **Menu** from the Start screen, scroll to **Call log**, and press the roller.
- 2 Press the roller again to view your missed calls. Scroll to the desired number and press the roller again.

The following options appear on screen:

- **Call** Dials the number.
 - **Call time** Displays the date and time of the missed call.
 - **Edit number** Allows you to edit the number and associate a name with the number when saving to your phone book.
 - **Save** Saves the number to your Phone book. You're also given the opportunity to save a name with the number.
 - **Add to Phonebook** . . . Adds the number to a name in your Phone book.
 - **Erase** Clears the number from memory.
- 3 Scroll to any of the options listed above and press the roller.

• Check dialed calls

Your phone saves phone numbers for the last 30 dialed calls. When the number of dialed calls exceeds 30, the most recent replaces the oldest.



- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Call log** appears and press the roller.
- 3 Scroll until **Dialed calls** appears and press the roller again.
A list of dialed calls appears on screen.
- 4 Scroll to the dialed call you wish to view and press the roller.

The following options appear on screen.

- **Call** Dials the number.
- **Call time** Displays the date and time of the missed call.
- **Edit number** Allows you to edit the number, associate a name with the number, and send a text message.

- **Save** Saves the number to your Phone book. You're given the opportunity to assign a name to the number.
- **Add to Phone book** . . Adds the number to a name in your Phone book.
- **Erase** Clears the number from memory.

• Check received calls

Your phone saves information about the last 30 received calls. Unlike a missed call, a received call is one that was answered at some time or another. When the number of received calls exceeds 30, the most recent received call replaces the oldest.

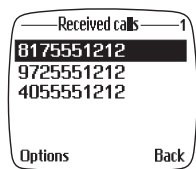
- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Call log** appears on screen and press the roller.
- 3 Scroll until **Received calls** appears on screen and press the roller.

If you have any received calls, a list of them appear on screen.

- 4 Scroll to the desired number and press the roller.

The following options appear on screen.

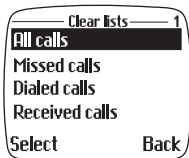
- **Call** Dials the number.
 - **Call time** Displays the date and time of the missed call.
 - **Edit number** Allows you to edit the number as well as save (or associate) a name with the number.
 - **Save** Saves the number to your Phone book. You're given the opportunity to save a name with the number.
 - **Add to Phone book** . . Adds the number to a name in your Phone book.
 - **Erase** Clears the number from memory.
- 5 Scroll to any of the options listed above and press the roller.



• Clear call lists

You can clear your all of your call lists all at once or one-by-one.

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Call log** appears on screen and press the roller.
- 3 Scroll until **Clear call lists** appears on screen and press the roller.



The following options appear on screen:

- **All calls**Deletes all missed, dialed, and received calls.
 - **Missed calls**Deletes all missed calls.
 - **Dialed calls**Deletes all dialed calls.
 - **Received calls**Deletes all received calls.
- 4 Scroll to any of the options above and press the roller.
_____ calls cleared appears on screen.

• Call timers

With call timers, you can track the duration of your last call or the total duration of all calls.

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Call log** appears on screen and press the roller.
- 3 Scroll until **Call timers** appears on screen and press the roller.
- 4 Scroll with the roller to display and select from the following options.
 - **Last call**Displays the duration of the most recent call.
To display the timer on the Start screen, press **Details**.
 - **All digital calls**Displays the duration of all calls since last reset.

- Clear digital call timers Clears all the timers from memory.

Note: Clear digital call timers clears all timers for your phone and can't be undone. If you use call timers to track the time you spend on your phone, *do not* use this feature.


10. Voice mail*

Voice mail allows callers to leave a voice message, which can be retrieved at any time. However, voice mail is independent of your phone's software. To use voice mail, your service provider must furnish a *voice mail subscription* and a *voice mailbox number*. Also, the voice mailbox number must be saved to your phone. Your service provider can tell you how to record a mailbox greeting and how to change the temporary password.

When you receive a voice message, your phone lets you know by beeping, displaying a message, or both. The exact method of notification depends upon your service provider.



- If you receive more than one voice mail message, your phone displays the number received.
- If you've subscribed to more than one phone line, a message indicates which line has the message.

• Save the voice mailbox number*

- 1 At the Start screen, press **Menu**.
- 2 Press the roller and scroll until **Voice messages** appears.
- 3 Press the roller and scroll until **Voice mailbox number** appears.
- 4 Press the roller, enter the voice mailbox number, and press **OK**.
Voice mailbox no. saved appears on screen.
- 5 Press  to return to the Start screen.

• Call and setup your voice mailbox*

Now that you've saved your voice mailbox number, you can call the number and customize your mailbox.

- 1 Press and hold .
- 2 Once the pre-recorded greeting begins, press  and follow the voice instructions.


If you have two phone lines*


Your phone can support two lines if your service provider has programmed your SIM card for this feature. If you decide to use two phone lines, you need to select a line for outgoing calls only. However, you can answer calls on both lines. If you wish to have this feature enabled, contact your service provider.

You'll also be given a voice mailbox number for each line. You need to save each line's voice mailbox number separately (see "Save the voice mailbox number*" earlier in this section).

• Listen to your voice messages*

Once you've setup your voice mailbox, call it and begin listening to your voice messages using any of the following methods:

- Call the number as you would any number. Once the pre-recorded greeting begins, enter your user ID and follow the voice instructions.
- If you've saved the voice mailbox number to your phone, call the number by pressing and holding .
- If there's a notification message in your display and Listen appears at the bottom, you can press Listen to call your voice mailbox.

When you hear the pre-recorded greeting, press , and then follow the on-line voice prompts to hear your messages.

11. Profiles

With Profiles you can pre-select how your phone behaves in different environments. **Normal** is the default setting, but you can select and customize each profile to suit your needs.

• Select a profile

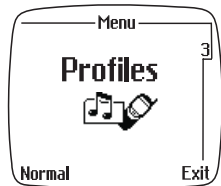
- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Profiles** appears and press the roller.

The following profiles appear on screen:

- Normal
 - Silent
 - Meeting
 - Outdoor
 - Pager
 - Handsfree (only with handsfree kit attached)
 - Headset (only with headset attached)
- 3 Scroll to the profile of your choice and press the roller.

Selected Profile _____ appears on screen. After a couple of seconds, the display returns to the Start screen.

Tip: You can also display the profile list by briefly pressing the power key. Each press of the power key thereafter scrolls through the list. Once a profile is highlighted, press and hold the power key to select.



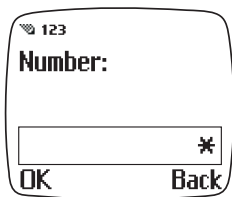
• Customize a profile



- 1 At the Start screen, press **Menu**.
 - 2 Scroll until **Profiles** appears and press the roller.
 - 3 Scroll to the profile you wish to customize and press **Options**.
 - 4 Scroll to **Customize** and press the roller.
 - 5 Scroll through the following options with the roller.
 - **Ringing Options** Sets the ring type (ascending, and so on) for incoming calls.
 - **Ringing Tone** Allows you to select from a group of 35 ringing tones.
- Note:** You may be able to download up to 5 new tones using the short message (SMS) service or your phone's IR. For more information, contact your service provider.
- **Ringing volume** Sets the ringing volume.
 - **Vibrating alert** Activates vibrating alert for incoming calls and messages (when a vibrating battery is attached).
 - **Message alert tone** . Sets an alert tone for incoming messages.
 - **Keypad tones** Sets the volume level of keypad tones.
 - **Warning tones** Turns warning tones on or off.
 - **Automatic answer**
(headset or handsfree only) Sets your phone to automatically answer an incoming call after a few seconds.
 - **Accepted caller groups** Allows you to have the phone alert you only when a member of a selected group is calling.
- 6 When the desired option appears on screen, press the roller to customize.
 - 7 Select a setting from within each option using the roller.

12. Advanced features

• Advanced dialing

Some numbers (such as voice mail) require a pause or require a code at some point during the dialing process. You can save any number along with its specific pause or code for easy dialing in the future.



- 1 At the Start screen, press **Names**.
- 2 Scroll to **Add entry** and press the roller.
- 3 Enter the name for the entry and press **OK**.
- 4 Insert the code wherever it's required. Cycle through the codes (below) by pressing  repeatedly.
- When you see the character that you need, pause briefly (this inserts the pause or code), and then enter the rest of the numbers.
 - * Use this character as bypass key.
 - + Precede an international telephone number with this character.
 - p Use this character to pause 2.5 seconds before dialing (or during DTMF).
 - w Use this character to create a "wait" after a number is dialed. This instructs your phone to wait for a press of the  key before it sends the number.
- 5 Press **OK** when finished.

Note: When cycling through the dialing codes, anything more than a brief pause discontinues viewing and inserts the code into the string of numbers.

• In-call options*

You have several options while in a call. However, many of these options are dependent upon your service provider.

To arrive at any of the in-call options outlined in the following paragraphs, press **Options** and scroll to any item using the roller. Press the roller to select the option or enter its submenu.

With one call active

Press **Options** to display the following:

- **Send touch tones** Allows you to send a string of touch tones (key presses) to an automated system. You'll also have the option to find and send touch tones that have been saved to your phone book.
- **End all calls** Ends all calls (on hold or otherwise).

With a call on hold

Press **Options** to display the following:

- **New call** Allows you to place a new call while keeping the current call on hold.
- **Send touch tones** Allows you to send a string of touch tones (key presses) to an automated system. You'll also have the option to find and send touch tones that have been saved to your phone book.
- **End all calls** Ends all calls (on hold or otherwise).
- **Phone book** Displays the phone book and its menus.
- **Menu** Takes you to the main menu (**Messages** appears on screen).
- **Mute** Mutes the active call. You can hear the other person but they can't hear you.
- **Hold** Places the active call on hold.

With one call on hold while another is active

Press **Options** to display the following:

- **End active call** Ends the active call only.
- **Conference call** Allows up to 6 people to take part in a call.
- **Transfer calls** Connects two participants in a call while removing yourself from the call.
- **Send touch tones** Allows you to send a string of touch tones (key presses) to an automated system. You'll also have the option to find and send touch tones that have been saved to your phone book.
- **End all calls** Ends all calls (on hold or otherwise).
- **Phone book** Displays the phone book and its menus.
- **Menu** Takes you to the main menu (**Messages** appears on screen).
- **Mute** Mutes the active call. You can hear the other person but they can't hear you.
- **Swap** Switches between the active call and the one on hold.

Mute the phone's microphone

You can mute any active call. Muting means that you can hear the other person but they can't hear you.

- 1 While in a call, press **Options**.
- 2 Scroll to **Mute** and press the roller. **Muted** appears on screen.
- 3 To resume speaking, press **Unmute**.

Place a call on hold

When you place a call on hold, neither person can hear the other.

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

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

On hold:

Call 1 appears on screen.


Return to a held call

- Press **Unhold** to return to the call.

Call waiting*

This service allows you to answer an incoming call even if you're currently in a call (*if Call waiting has been activated*).

Note: This feature is dependent upon your service provider


- When a second call comes in, press **Answer** or .

The first call is put on hold and **Swapped** appears on screen.

To switch between calls:

- Press **Swap** or .

End the active call only:

- Press .

To end both calls at the same time:


- Press **Options**, scroll to **End all calls**, and press **OK**.



Reject a waiting call:

- 1 Press **Options**.
- 2 Scroll to **Decline new call** and press **OK**.

Make a second call*


If supported by your service provider, you can make a call while another is on hold.

- 1 Press **Hold**. On hold: Call 1 appears on screen.
- 2 Enter the number for the second call and press .

- 3 After the second party answers, switch between the two calls by pressing **Swap** or  .
- 4 To end the active call only, press  .
- 5 To end both calls at the same time, press **Options**, scroll to **End all calls**, and press **OK**.

Conference a call*


If supported by your service provider, up to 6 people can take part in a call. For questions about the cost of conferencing a call, contact your service provider.

- 1 Call the first participant.
- 2 Once the first party has answered, press **Options** and scroll to **New call**.
- 3 Press the roller and dial the number for the second participant.
- 4 Press  . The first call is automatically put on hold.
- 5 To connect the two calls, press **Options**, scroll to **Conference call**, and press the roller.
- To add a new person to the conference call, repeat steps 2, 3, 4, and 5.

Have a private conversation within a conference call

- 1 While in a conference call, press **Options** and scroll to **Private call**.
- 2 Press the roller, scroll to the desired participant, and press **OK**.

End a conference call

- 1 Press  .

OR

Press **Options**, scroll to **End all calls**, and press the roller.

Transfer a call*

If you have one active call and another on hold, you can connect the two and at the same time remove yourself from the conversation. For questions about the availability and cost of this feature, contact your service provider.

- 1 With one call active and another call on hold, press **Options**.
- 2 Scroll to **Transfer calls** and press the roller.

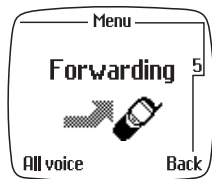
The two calls are connected and you are disconnected.

• Call forwarding*

If supported by your service provider, this feature allows you to forward all voice, fax, and data calls to another number.

Activate call forwarding*

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Forwarding** appears and press the roller.
- 3 Scroll with the roller to view each of the options below.

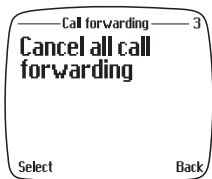


- **Forward all voice calls**
Forwards all incoming calls to a number you specify.
- **Forward when not able to take calls**
Forwards all calls that you don't answer, your phone is busy, turned off, or out of the coverage area.
- **Forward all fax calls**
Forwards all fax calls to another number.
- **Forward all data calls**
Forwards all data calls another number.
- **Cancel all call forwarding**
Cancels all call forwarding.

- 4 Press the roller to select your choice.
Activate is highlighted.
- 5 Press the roller, highlight **To voice mailbox** or **To other number** and press the roller again.
- 6 Enter the number to which your calls, data, or other information will be forwarded and press the roller.
- 7 **Requesting...** and then **Active: _____** appears on screen.

Deactivate call forwarding

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Forwarding** appears and press the roller.
- 3 Scroll until **Cancel all call forwarding** appears and press the roller.



Requesting and then **Forwarding deactivated** appear on screen.

• Automatic redial*

If you dial a number and it's busy, you can set your phone to redial the number when it becomes available. For questions about the cost and availability of automatic redial, contact your service provider.

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Call settings** appears and press the roller.
- 4 Scroll until **Automatic redial** appears and press the roller.
- 5 Scroll to **On** and press the roller.

Automatic redial on appears on screen.


• Calling cards

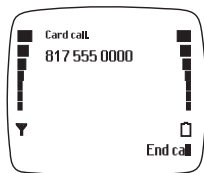
Calling cards are useful if you'd like to use your phone for more than one account. For example, if your phone's for personal use, but your employer would also like you to use your phone for business calls, you can charge all of your business calls to a calling card.

Choose a calling card

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Call settings** appears and press the roller.
- 4 Scroll until **Calling card** appears and press the roller.
- 5 Scroll to the card of your choice and press the roller.
- 6 Scroll to **Edit** and press the roller.
- 7 Enter the phone security code and press **OK**.
- 8 **Dialing sequence** appears. Press the roller.
- 9 Scroll until the desired dialing sequence appears and press the roller.
- 10 Enter the card access number and press **OK**.
- 11 Enter the card number and press **OK**.
- 12 Press **OK** to save changes.
- 13 Scroll until **Card name** appears and press the roller.
- 14 Enter the name for the card and press **OK**.
Calling card name saved appears on screen.

Call using a calling card

- 1 At the Start screen, enter the phone number you wish to call.
- 2 Press and hold  until **Card call** appears.
The number is dialed using the selected card.



• Voice dialing

Any 10 numbers in your phone book can be setup for voice dialing. Before you can voice dial a number, you'll need to assign it a "voice tag."


Assign a voice tag to a number

Note: Voice tags can only be assigned to entries already in your Phone book. To add an entry, see "Add names and numbers to the phone book" on page 31.

Note: To use voice dialing, **Memory in use** must be set to **Phone** instead of **SIM card**. See "Select a memory type" on page 36 for more info.

- 1 At the Start screen, press the roller.
- 2 Scroll to a name and press the roller.
- 3 Scroll to the number you wish to tag and press **Options**.
- 4 Scroll to **Add voice tag** and press the roller.
- 5 Press **Start**. After the phone beeps, pronounce the voice tag clearly into the microphone from a distance of 6 - 12 inches.

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

After recording, **Voice tag saved** appears on screen. The  icon to the right of the phone number indicates that this number is tagged for voice dialing.

To call this number using voice dial, see "Dial a number with voice dialing" on page 57.

Notes about voice tags

- Voice tags can be no longer than 2 seconds.
- Voice tags replay immediately after they're recorded.
- Recording stops automatically. Pressing **Stop** aborts the recording.
- For best results, choose a quiet location when creating a voice tag (avoid areas with background noise).
- Unique tags are recognized more accurately. Consider using the first and last name, or use the first name, last name, and number type when tagging a number. For example, "John Smith, work."
- Avoid pauses or silence as you record the voice tag.
- If voice tag memory is full, the phone displays **Erase an existing voice tag?** If so, press **OK**, scroll until you locate a tag to erase, and then press **Erase**.
- When you delete a name or number in the Phone book, it also erases any associated voice tags.



Do not use voice tags for dialing in emergency situations. Stress causes changes in your voice, which prevents the phone from recognizing your commands!

Dial a number with voice dialing

Note: Your phone must be set to use **Phone** memory for voice dialing to operate. If you're unable to use voice dialing, see "Select a memory type" on page 36 to ensure it's set to **Phone** instead of **SIM card**.

- 1 At the Start screen, press and hold **Names** for 2 seconds.

Note: If you're using a headset, press the button on the microphone to initiate voice dialing.

The phone beeps and **Please speak now** appears on screen.



- 2 Pronounce the voice tag clearly into the microphone from a distance of 6-12 inches.


Note: If the voice tag is not accepted, or if you fail to pronounce the tag within 3 seconds, the message **No match found** appears and the display returns to the Start screen.

When the voice tag is recognized, the entry appears on screen, the tag replays through the earpiece, and the number is dialed.

Work with existing voice tags

You can change or erase voice tags just as you would a name or number.

- 1 At the Start screen, press the roller.
- 2 Scroll to the desired phone book entry.
- 3 Press the roller, scroll to the phone number containing the tag you wish to edit, and press **Options**.

Note: Phone entries with voice tags will have the  icon to the right of the number.

- 4 Scroll to **Voice tag** and press the roller.
- 5 Scroll to **Change**, **Playback**, or **Erase** and press the roller.

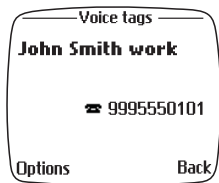
Note: If you selected **Change**, press **Start** to begin re-recording. The new tag you record will replace the old tag.

Display voice tag entries

You can display all entries in your phone book that have voice tags.


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



All voice tags appear in alphabetical order. Scroll through the entries using the roller.



• 1-touch dialing

After you've added a name to your Phone book, you can assign the name to any key from 2 through 9. Once you've done this, and activated 1-touch dialing, the associated number is dialed when you press that key.

Note:  is used exclusively for dialing your voice mailbox.

While  is preset to dial a customer care operator, you can overwrite this feature and assign it to another 1-touch dialing location. However, you can't overwrite the features assigned to the  key.

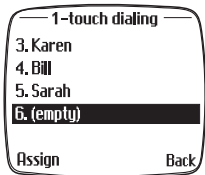
Assign a key to 1-touch dialing

- 1 At the Start screen, press **Names**.
- 2 Scroll to **1-touch dialing** and press the roller.
- 3 Scroll to an **(empty)** slot and press the roller.

The **Number:** field appears on screen.

- 4 Enter the number (including the area code) and press **OK**.
- 5 Enter a name for the number and press **OK**.

Number assigned to key __ appears on screen.



Activate/deactivate 1-touch dialing

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Call settings** appears and press the roller.
- 4 Scroll until **1-touch dialing** appears and press the roller.
- 5 Scroll to **On** or **Off** and press the roller.
1-touch dialing on (or off) appears on screen.

Make a call using 1-touch dialing

Before you make a call using 1-touch dialing, make sure you've assigned a key to 1-touch dialing and that it is activated (see "Assign a key to 1-touch dialing" earlier in this section).

- Press and hold the key that you previously assigned to the phone number. Your phone dials the number.

Change a 1-touch dialing number

You can change the key assignments for 1-touch dialing at any time.

- 1 At the Start screen, press **Names**.
- 2 Scroll to **1-touch dialing** and press the roller.
- 3 Scroll to the number you wish to change and press **Options**.
- 4 Scroll to **Change** and press the roller.
- 5 Enter the appropriate number and press the roller.
- 6 Enter the name or find the name in the Phone book and press **OK**.

Erase 1-touch dialing numbers

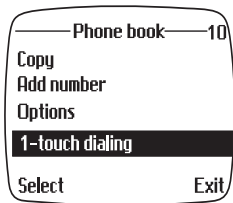
You can erase the key assignments for 1-touch dialing numbers at any time.

- 1 At the Start screen, press **Names**.
- 2 Scroll to **1-touch dialing** and press the roller.
- 3 Scroll to the key that you wish to erase and press **Options**.
- 4 Scroll to **Erase** and press the roller.

Erase entry ___ from 1-touch dial key #? appears on screen.

- 5 Press the roller or press **OK**.

1-touch key ___ erased appears on screen.



13. Customize your phone

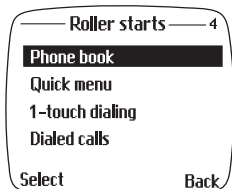
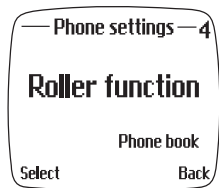
• Customize the roller

Normally, when you're at the Start screen and you press the roller, you're presented with a list of names and numbers saved to your phone book. You can change this so that pressing the roller takes you to another feature.

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Phone settings** appears and press the roller.
- 4 Scroll until **Roller function** appears and press the roller.
- 5 Scroll to any of the options below. Press the roller to select.

- **Phone book** Displays the Phone book.
- **Quick menu** Quick access to Messages, Calendar, To-do list, Phone book, Profiles, Settings, and Full menu.
- **1-touch dialing** . . Displays all 1-touch dialing entries.
- **Dialed calls** Displays a log of all outgoing calls.
- **Profiles** Displays a list of available profiles.

After selecting one of the options above, **Roller function selected** appears on screen.



• Display cell information

In some networks, localized information such as weather alerts or event welcome messages are broadcast to the public. You can set your phone to display this information whenever it's available.

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Phone settings** appears and press the roller.
- 4 Scroll until **Cell info display** appears and press the roller.
- 5 Scroll to **On** and press the roller.

Cell info displayed appears on screen.

• Set the display language

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Phone settings** appears and press the roller.
- 4 Scroll until **Language** appears and press the roller.
- 5 Scroll to **Automatic, English, Français, or Español** and press the roller.

<Language> selected appears on screen.

Note: The **Language** setting affects the time and date formats of the clock, alarm clock, and calendar.

• SIM services

If you have this feature enabled, you can set the phone to display any confirmation messages within a SIM services session that are sent between your phone and the service provider.

Note: You must direct any questions about this feature to the company that provided your SIM card.

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Phone settings** appears and press the roller.
- 4 Scroll until **Notifications on SIM update** appears and press the roller.
- 5 Scroll to **Shown** or **Not shown** and press the roller.

Confirmation asked or **Confirmation not asked** appears on screen, depending upon your selection.

14. Security

You can use keypad lock, restrict incoming and outgoing calls, use security codes, and other methods to secure your phone against unauthorized use.


• Lock the keypad

You can lock your phone's keypad to prevent accidental calls while carrying the phone in your pocket or purse.

- Press and hold  .
Keys locked appears on screen.

• Unlock the keypad

- Press **Unlock**, and then press **OK** or open the slide.
Keys unlocked appears on screen.

Note: If **Slide setting** is disabled (**Settings > Phone settings > Slide setting**), you can only unlock the keys by pressing **Unlock**, and **OK** or  and **OK**.

• Slide setting

With **Slide setting** activated, you can answer or end calls, exit menus, and lock or unlock your keypad by opening or closing the slide.

Turn the slide setting On or Off

- 1 At the **Start** screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Phone settings** appears and press the roller.
- 4 Scroll until **Slide setting** appears and press the roller.
- 5 Scroll to **On** or **Off** and press the roller.

Slide setting on (or off) appears on screen.

Answer a call while Slide setting is on

- Open the slide when you receive a call.

End a call while Slide setting is on

- Close the slide when you want to end the call.

Exit any menu and return to the Start screen

- Close the slide to return to the Start screen.

• Access (PUK) codes

PUK code

PUK stands for Personal Unblocking Key. The PUK code is required to unblock a PIN code that has been blocked. The PUK code should be supplied with the SIM card. If not, contact your service provider.

PUK2 code

Important! The PUK2 code, supplied with some SIM cards, is required to unblock a blocked PIN2 code. If you enter an incorrect PUK or PUK2 code 10 times in a row, you'll be locked out of features using PIN2 code. To use these features again, contact your service provider for a new SIM card.

• Security code

Change your security code

You can protect your phone and its memory against unauthorized use with the security code.

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.

3 Scroll until **Security settings** appears and press the roller.

4 Scroll until **Change access codes** appears and press the roller.

Change security code appears on screen.

5 Press the roller. The phone prompts you to enter a security code. The default code is 12345.

6 Enter the (five-digit) security code and press **OK**. The phone asks for a new security code.

7 Enter the new five-digit security code and press **OK**. The phone asks you to verify the new security code.

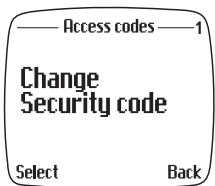
8 Enter the new security code again and press **OK**.

Security code changed appears on screen.

9 Press **END** to return to the Start screen.

Note: The security code is required for using some features such as clearing the phone book.

If you enter an incorrect security code 3 times in a row, the phone is blocked and won't accept any codes for the next 5 minutes.



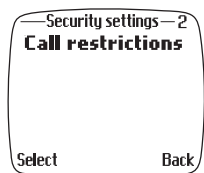
Restrict calls

Call restrictions allows you to restrict certain incoming and outgoing calls through the use of a restriction password.

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

2 Scroll until **Settings** appears and press the roller.

- 3 Scroll until **Security settings** appears and press the roller.
- 4 Scroll until **Call restrictions** appears and press the roller.
- 5 Scroll with the roller to display each of the following options. Press the roller to select the restriction of your choice.



- **Outgoing calls** Blocks all outgoing calls
- **International calls** . . . Blocks all outgoing international calls
- **International calls except to home country** Allows outgoing international calls *only* to your home country
- **Incoming calls** Blocks all incoming calls
- **Incoming calls if roaming** Blocks all incoming calls when roaming
- **Cancel all call restrictions** Cancels all call restrictions

For each of the restriction options (except **Cancel all call restrictions**), you have the following options: **Activate**, **Cancel**, or **Check status**. If you choose **Activate**, you'll be asked for your restriction password, see "Change your restriction password" on page 70 for more information.

Note: Even when calls are restricted, it still may be possible to call emergency numbers such as 911.


• Fixed dialing*

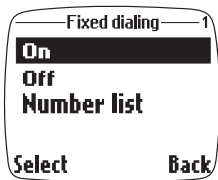
You can restrict outgoing calls to selected phone numbers if supported by your service provider. To create and edit a fixed dialing list, you'll need the PIN2 code, see "PIN2 code" on page 70.

Note: Even with fixed dialing set to **On**, it still may be possible to call emergency numbers such as 911.

Note: This feature is dependent upon your service provider. If you are unable to access **Fixed dialing**, contact your service provider for more information and to gain access.

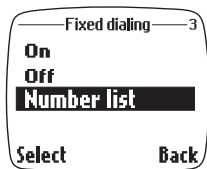
Set fixed dialing to On


- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Security settings** appears and press the roller.
- 4 Scroll until **Fixed dialing** appears and press the roller.
- 5 Scroll to **On** and press the roller.
Enter PIN2 code: appears on screen.
- 6 Enter the PIN2 code and press **OK**.
Fixed dialing on appears on screen.
- 7 Press  to return to the Start screen.



Add numbers to fixed dialing

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Security settings** appears and press the roller.
- 4 Scroll until **Fixed dialing** appears and press the roller.
- 5 Scroll to **Number list** and press the roller.
Enter PIN2 code: appears on screen.
- 6 Enter the PIN2 code and press **OK**.



- 7 Enter the number you wish to add to fixed dialing and press **OK**.
- 8 Enter the name you wish to assign to the number and press **OK**.
Saved to SIM card or **Saved to Phone** appears on screen, depending on which memory you are using.
- 9 Press  to return to the Start screen.


• Change access codes

This menu allows you to change the security code, PIN code, PIN2 code, and Restriction password. The phone prompts you to enter the current code as well as the new code. It also asks for verification of the new code.

Note: Avoid using access codes similar to an emergency number such as 911 to prevent accidental dialing of the emergency number.

Change your PIN code

Note: SIM card security (see "SIM card security" on page 71) must be set to **On** before you can change your PIN code.

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Security settings** appears and press the roller.
- 4 Scroll until **Change access codes** appears and press the roller.
- 5 Scroll until **Change PIN code** appears and press the roller.
- 6 Enter the current PIN code and press **OK**.
- 7 Enter the new PIN code and press **OK**.
- 8 Re-enter the new PIN code for verification and press **OK**.
PIN code changed appears on screen.
- 9 Press  to return to the Start screen.

PIN2 code

The PIN2 code is required for some features that are supported by your SIM card. The PIN2 code is supplied with your SIM card if:

- Your service provider supports these features
- And/or you are subscribed to these features

If you enter an incorrect PIN2 code three times in succession, you can't use the features that require PIN2 unless you enter the PUK2 code.

Change your PIN2 code

Note: SIM card security (see "SIM card security" on page 71) must be set to **On** before you can change your PIN code.


- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Security settings** appears and press the roller.
- 4 Scroll until **Change access codes** appears and press the roller.
- 5 Scroll until **Change PIN2 code** appears and press the roller.
- 6 Enter the current PIN2 code and press **OK**.
- 7 Enter the new PIN2 code and press **OK**.
- 8 Re-enter the new PIN2 code for verification and press **OK**.

PIN2 code changed appears on screen.

Change your restriction password

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Security settings** appears and press the roller.
- 4 Scroll until **Change access codes** appears and press the roller.



- 5 Scroll until **Change restriction password** appears and press the roller.
- 6 Enter the current restriction password and press **OK**.
- 7 Enter the new restriction password and press **OK**.
- 8 Re-enter the new restriction password for verification and press **OK**.
Restriction password changed appears on screen.
- 9 Press  to return to the Start screen.

• SIM card security

You can protect your phone against unauthorized use by setting it to request your PIN code every time the phone is switched on. The PIN code is usually supplied with the SIM card. If not, contact your service provider. To change your PIN code, see "Change your PIN code" on page 69.

Note: If you enter an incorrect PIN code 3 times in a row, the SIM card is blocked and you'll need to enter the PUK code to unblock.

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Security settings** appears and press the roller.
SIM card security appears on screen.
- 4 Press the roller, enter the PIN code, and press **OK**.
- 5 Scroll to **On** and press the roller.
SIM card security on appears on screen.

• Module security

Added security for analog networks is provided via the Module security feature. Module security prevents unauthorized use of the optional AMPS module by requesting a code upon power-up. The AMPS module must be attached for this feature to show up on your menu.

Enable Module security

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Security settings** appears and press the roller.
- 4 Scroll until **Module security** appears and press the roller.
- 5 Enter the five digit Module code (12345 is default) and press **OK**.

Change the Module code

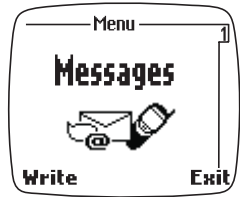
- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears and press the roller.
- 3 Scroll until **Security settings** appears and press the roller.
- 4 Scroll until **Change access codes** appears and press the roller.
- 5 Scroll until **Change module code** appears and press the roller.
- 6 Enter the current module code and press **OK**.
- 7 Enter the new module code and press **OK**.
- 8 Enter the new module code again (for verification) and press **OK**.
Module code changed appears in the display.

15. Text messages*

Your phone can send and receive text messages up to 160 characters in length. These messages, also known as SMS (Short Message Service), are similar to e-mail because you can read, write, send, and store them in folders. SMS messages can be sent and received from:

- Other GSM phones.
- Fax machines or e-mail *if supported by your service provider.*

Tip: To write messages quickly, see "Predictive text input" on page 82.



• Text messaging setup

About the Message center

When you send a text message, it arrives at your message center and stays there until delivered by your service provider. Similarly, when someone sends you a message, it's stored at his or her message center until their service provider can deliver it to you.

Note: To specify the length of time your provider attempts to send a message before it gives up, go to **Message validity** under **Message settings** (**Messages** menu).

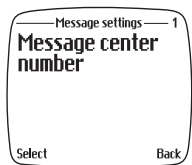
If you're not sure whether you're subscribed to SMS, or if you don't know your message center number, contact your service provider.

Save the Message center number*

Normally the message center number is saved to your SIM card by your service provider. If the number is corrupted or changed, you can re-enter and save the new number at any time.


- 1 At the Start screen, press **Menu** and then press the roller.
Text messages appears on screen.

- 2 Press the roller and then press **Options**.
- 3 Scroll to **Message settings** and press the roller.
Message center number appears on screen.



- 4 Press the roller.
 - Enter the message center number using the keypad.
 - To move the cursor between numbers, scroll with the roller.
 - To backspace (and delete) a number, press **Clear**.
 - To erase all numbers from the screen, press and hold **Clear**.

Note: The message center number can be up to 21 digits long.

- 5 Press **OK** to save the number.
- 6 Press  to return to the Start screen.


• Write and send text messages*

- 1 At the Start screen, press **Menu**.
- 2 Press the roller and then press **Write**.
- 3 Enter your message and press **Options**.

Tip: For a faster way to write messages, see "Write words with predictive text" on page 82.

- 4 Scroll to **Send message** and press the roller.
- 5 Enter the recipient's number and press **OK**.


Save a message in your Outbox

- 1 After writing a message, press **Options**.
- 2 Scroll to **Save message** and press the roller.
Message saved appears on screen.
- 3 Press  to return to the Start screen.

View messages saved in the Outbox

- 1 At the Start screen, press Menu and then press the roller.
Text messages appears on screen.
- 2 Press the roller, scroll to **Outbox**, and press the roller again.
- 3 Scroll to the message you wish to view and press the roller.

Read text messages

When you receive a text message,  appears on screen as well as the words **Message received**.

- 1 Press the roller to read the message. Once you're finished reading:
- 2 Press **Back**. The message is moved to the **Inbox** folder.

OR

Press **Options**. The message is moved to the inbox folder and you're presented with the options below. Use the roller to navigate and select an option.

Erase Erases the message.

Reply as text Allows you to reply to the message using a variety of templates or an empty screen.

Forward as text Forwards the message to a number you specify.

Forward options Provides options for forwarding, such as **Multiple copies** and **Message profile**.

Move Moves the message to another folder.


Edit Allows you to edit the message before saving, sending, and other options.

Rename Renames the title of the message.

Copy to calendar . . . Copies the message to today's date on the calendar.

- Use number** Adds the number to your phone book.
- Details** Displays the sender's number as well as the message center number responsible for sending the message.

Message header icons

 In front of the header means the message has not been read.

i In front of the header indicates the message is a delivery report.

Read a new message later

- 1 To read a message at another time than when it was received, press **Exit** after the message has been received.
- 2 When you're ready to read the message, press **Menu**, and then press the roller.
Text messages appears on screen.
- 3 Press the roller, scroll to the message (if more than one), and press the roller again. The message is displayed on screen.

Options while reading a message

- 1 While reading a message, press **Options** and scroll to one of the options below.
- 2 Press the roller to select an option.
 - Erase** Erases the current message.
 - Reply as text** Sends the message to a number that you specify. You're given the option to start the reply with a template.
 - Forward as text** Forwards the original message to any number you specify.
 - Forward options** Allows you to send multiple copies of the message or send the message using a message profile.

Move Moves the message to another folder.

Edit Allows you to edit the message before saving or sending.

Rename Allows you to rename the message.

Copy to calendar . . . Saves the note to the calendar on today's date.

Use number Adds the number currently displayed to your phone book.

Details Displays the sender number and message center number of the sender.

• Reply to a text message*

- 1 While viewing a message, press **Options**.
- 2 **Reply as text** is highlighted. Press the roller.
- 3 Scroll to one of the available templates to start your reply and press the roller.
- 4 Write your reply.


Tip: Write your messages using Predictive text, it's much faster than the traditional method. To activate predictive text, press and hold **Options** until **T9 dictionary activated** appears on screen. To learn more about predictive text, see "Predictive text input" on page 82.

- 5 Press **Options**. **Send message** is highlighted.
- 6 Press the roller. The number from which your message was received appears on screen.
- 7 Edit the number using the keypad or press **OK**.
- 8 **Sending message** appears on screen.

• Special sending options


Send multiple copies

You can send the same message to multiple recipients using the **multiple copies** feature. This saves the time of having to rewrite the message for each recipient.

- 1 At the Start screen, press **Menu**.
- 2 Press the roller, press **Write**, and enter your message.
- 3 Press **Options**, scroll to **Sending options**, and press the roller.
- 4 **Multiple copies** is highlighted. Press the roller.
- 5 Select a name from the list and press the roller.
Sending <type of message> appears on screen.
- 6 Press  to return to the Start screen.

• Message storage

When message memory is full

When  blinks there is no more space for new text messages. You can do the following to create more space:

- Read some of the unread messages and then delete them.
- If you've saved messages in the **Archive** folder, or in folders which you've created, erase some of these messages from those folders.

Read messages stored in folders

To view messages that have been stored in your Inbox, Outbox, or Archive folders:

- 1 At the Start screen, press **Menu**, and then press the roller.
Text messages appears on screen.
- 2 Press the roller, scroll to the folder of your choice, and press the roller again.

A list of messages appears on screen.

- 3 Scroll to the message you wish to read and press the roller.

Tip: If you press **Options** while viewing the message, you can **Reply**, **Forward**, **Move**, **Edit**, **Rename**, **Copy to calendar**, and more.

Move a text message

- 1 While viewing the message, press **Options**.
- 2 Scroll to **Move** and press the roller.
- 3 Scroll to the folder where you want to move the message and press the roller.

Erase a text message

- 1 At the Start screen, press **Menu**, and then press the roller.
Text messages appears on screen.
- 2 Press the roller and scroll to the folder containing the message you wish to erase.
- 3 Press the roller and scroll to the message you want to erase.
- 4 Press **Options** and scroll to **Erase**.
- 5 Press **Select** (or press the roller) and press **OK**.

• Organize messages with folders

All text messages saved in your phone's memory are organized into folders. These folders are located under the **Messages > Text messages** menu (**Menu 1**).

Inbox

Messages are automatically stored in the inbox after they've been read.


Outbox

Messages are automatically saved in the **Outbox** folder after they've been written.


Archive folder and user-created folders

To make sure that certain messages won't be overwritten when memory becomes full, move some of your messages to the **Archive** folder. You can also create new folders of your own and save messages there.

Add a folder

- 1 At the Start screen, press **Menu**, and then press the roller.
Text messages appears on screen.
- 2 Press the roller again and then press **Options**.
- 3 **Add folder** is highlighted.
- 4 Press the roller, enter the name of the new folder, and press **OK**.
Folder added appears on screen.
- 5 Press  to return to the Start screen.

Remove a folder

- 1 At the Start screen, press **Menu**, and then press the roller.
Text messages appears on screen.
- 2 Press the roller, scroll to the folder you wish to remove, and press **Options**.
- 3 Scroll to **Remove folder** and press the roller.
- 4 **Remove folder?** appears on screen. Press **OK**.
Folder removed appears on screen.
- 5 Press  to return to the Start screen.

Note: Only folders previously created by the user can be removed. The **Inbox**, **Outbox**, **Archive**, and **Template** folders are protected from deletion. When you delete a folder, all the messages in that folder are deleted as well.

• Message settings

You can control the format, method of delivery, and other properties of your messages with **Message settings**.

- 1 At the Start screen, press **Menu**, and then press the roller.
Text messages appears on screen.
- 2 Press the roller and then press **Options**.
- 3 Scroll to **Message settings** and press the roller.
- 4 The following message settings are available. Scroll through the menus using the roller. Press the roller to enter their submenus.

Message center

number The phone number of the message center. It is necessary for sending text messages.

Messages sent as Allows you to select the format of the messages you send.

- **Text** Send as normal text.
- **E-mail** Send as e-mail.
- **Page** Send to a pager via the internet.
- **Fax** Send as a fax.

Note: You can only use Text, E-mail, Page, and Fax if your service provider supports these formats.

Message validity Allows you to set the length of time that your service provider attempts to send the message before it gives up.

Default recipient

number The default send number for any text message.

Delivery reports Requests the system to inform you whether it was able to deliver your messages.

Reply via same center Allows your reply to be delivered by the message center that sent you the message.

You can send a text message to a fax or to an e-mail address (if supported by your service provider) if you've defined a set with parameters for fax or e-mail transmissions. This option is under **Messages sent as...**

• Predictive text input

Predictive text input is an easier, faster way to write messages than the traditional method. Predictive text uses a formula to "guess" the letter of each word that you're spelling. It's very accurate, and requires only one press of the key for each letter.

Tip: Because the "guessed" word changes as you enter each letter, try not to look at the screen until you've finished entering the word.

Note: You can add new words to the dictionary at any time.

Note: Predictive text input might not be available for all languages.

Activate or deactivate predictive text

When you're writing a text message, press and hold **Options** until **T9 dictionary activated** or **T9 dictionary deactivated** appears on screen.

Write words with predictive text

Press the number key that corresponds to the letter. Press each key *only once* for each letter.

For example, to write **hello**, press each of the keys below *only once*.




- If the displayed word is correct, press **0 _** to enter a space after the word, and then start writing the next word.
- If the displayed word is not correct, press *** +** to see other possible matches. To return to the previous word in the list of matches, press **Previous**.

If a question mark appears after the word, the word you intended to write is not in the dictionary. You need to add the word to the dictionary (see next page).


Add new words to the dictionary

If you're writing a message and encounter a word that predictive text doesn't recognize, you can add the word to the dictionary.


- 1 Press  and the left selection key changes to **Spell**.
- 2 Press **Spell**.
- 3 Enter the word using the keypad (see "Phone book" on page 31), and then press **Save**.

The word is added to the dictionary and to the message that you're writing. The display returns to your message.

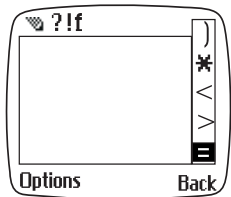
Notes about adding words


- New words that you accept—even accidentally—by pressing the roller, , or deleting the space between two words (thus forming a compound word) are saved in the dictionary.
- Depending on the language chosen and the length of the words, you might be able to add hundreds of words to the dictionary.
- When the dictionary becomes full, the most recently added word replaces the first word you added.

Enter symbols and characters

While writing a message, press and hold  to display a list of special characters on the right of your screen.

- Scroll to the character you wish to use.
- Press the roller to enter the character into your message.



Tip: Press  to switch between uppercase and lowercase characters, when they're available.

Special Characters							
.	?	!	@	'	-	_	(
)	,	:	;	&	/	~	\
%	*	#	+	<	=	>	"
€	£	\$	¥	☉	§	ı	ı
Àà	Áá	Ââ	Ãã	Ää	Åå	Ææ	Çç
Ðð	Èè	Éé	Êê	Ëë	Ìì	Íí	Îî
Ïï	Ññ	Òò	Óó	Ôô	Õõ	Öö	Øø
β	Ùù	Úú	Ûû	Üü	ƆƆ		

Insert a name or number into a message

To insert a stored name or number into your message:


- 1 While writing a message, press **Options**.
- 2 Scroll to **Insert number** or **Insert name**, and then press the roller.
- 3 Enter the number using the keypad, or find the number in your phone book and press the roller.

The selected name or number is inserted into your message.


Clear the screen

To clear any text or numbers on screen, press and hold **Clear**.

Delete Information

- To delete a character to the left of the cursor, press **Clear**.
- To delete a highlighted word, press  , and then press **Clear**.

Change letter case

- While entering a message, press  .

16. Your Personal Digital Assistant

• Calendar

The calendar (**Menu 8**) keeps track of notes, calls, meetings, and birthdays. It can even sound an alarm when it's time for you to make a call or go to a meeting.



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

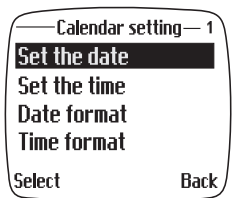


Enter the date

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Calendar** appears on screen and press the roller.
- 3 Press **Options** and scroll to **Settings**.
- 4 Press the roller.
- 5 Set the **date** is highlighted. Press the roller.
- 6 Enter the current month and day in **mm/dd/yyyy** format and press **OK**.
(Example: Enter December 31, 2000 as 12312000).

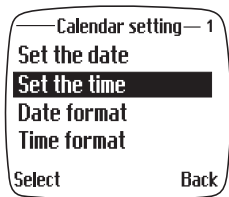
Date is set appears on screen.

- 7 Press **END** to return to the Start screen.



Enter the time

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Calendar** appears on screen and press the roller.
- 3 Press **Options** and scroll to **Settings**.
- 4 Press the roller and scroll to **Set the time**.
- 5 Press the roller.
- 6 Enter the time in **hh:mm** format (for example, 12:30) and press **OK**.
- 7 Scroll to **am** or **pm** and press **OK**.



Calendar options

Option 1: Make a note

You can create a calendar note for any day of the year. When the day and time for the note approaches, your phone sounds an alert and the note appears on screen.

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Calendar** appears on screen and press the roller.
- 3 Press **Options**.
Make a note is highlighted.
- 4 Press the roller. The following list appears on screen:

	Meeting
	Call
	Birthday
	General note

- 5 Scroll to the desired note type (such as **General note**) and press the roller.
- 6 Enter a subject for the note and press **OK**.

Option 2: View by weeks

Allows you to view the calendar in monthly increments with one week highlighted at a time.

Option 3: Go to date

Takes you directly to the specified date instead of scrolling. Enter a date in **mm/dd/yyyy** format, and then press **OK**.

Option 4: View selected day

Allows you to view all the notes for the currently selected day.

Option 5: Settings

Contains submenus for setting the date, time, date/time format, auto erase schedule, allows you to specify what day the week starts on.

Receive Calendar notes

When you receive a calendar note, your phone displays **Calendar note received**. You can then save the note in your calendar and set an alarm for any date and time.

View received calendar notes

Note: If you press **Exit** the calendar note will be deleted!

- 1 When your phone displays **Calendar note received**, press **Show**.
- 2 Scroll through the note to read.

Save received calendar notes

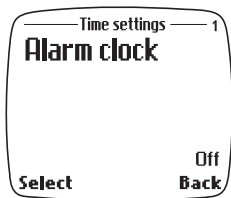
- 1 After viewing the calendar note, press **Options**.
- 2 Scroll to **Save** and press **OK**.

Discard viewed calendar notes

- 1 After viewing the calendar note, press **Exit**.
- 2 Press **OK** to erase the note or press **Options** and then **Discard**.


● Alarm clock

The alarm clock is based on your phone's internal clock. It sounds an alert any time you specify and works even when the phone is off.



Set an alarm

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears on screen and press the roller.
- 3 **Time settings** appears on screen. Press the roller.
- 4 **Alarm clock** appears on screen. Press the roller.
- 5 Enter the time for the alarm in **hh:mm** format (using the roller or keypad) and press **OK**.
- 6 Select either **am** or **pm** and press the roller. **Alarm on** briefly appears on screen.

 also appears in the upper right corner of the Start screen.

Note: 24-hour format is also available. See "Select the display format" on page 10 for more information.

When the alarm sounds

With the phone on

Press **Stop** to shut the alarm off.

OR

Press **Snooze**. The alarm stops for 5 minutes and **Snooze** appears on screen.



Note: If you let the alarm sound for 1 minute without pressing a key, it stops (snoozes) for 5 minutes, and then sounds again.

With the phone off

The phone switches itself on and the alarm sounds. If you press **Stop**, the phone displays **Switch the phone on?**

- Press **Yes** to keep the phone powered on or press **No** to switch it off.




Don't set the alarm to switch the phone on when wireless phone use is prohibited or when it may cause interference or danger!






Turn off an alarm

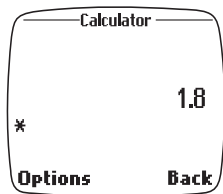
- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Settings** appears on screen and press the roller.
- 3 **Time settings** appears on screen. Press the roller.
- 4 **Alarm clock** appears on screen. Press the roller.
- 5 Scroll to **Off** and press the roller.

Alarm off appears on screen.

Press  to return to the Start screen.

• Use the Calculator

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Calculator** appears on screen and press the roller.
- 3 Enter the first number in the calculation. Press the  key to enter a decimal point. Press **Clear** to erase any mistakes.
- 4 To add Press  once (+ appears).
To subtract . . . Press  twice (- appears).
To multiply . . . Press  three times (* appears).
To divide Press  four times (/ appears).



- 5 Enter the second number.
- 6 Press **Options**. **Equals** and **Change sign** appear on screen, with **Equals** highlighted.
- 7 Press the roller. The sum of the calculation appears on screen.

Working with currency

Set the exchange rate

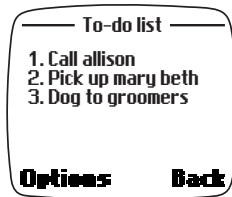
- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Calculator** appears on screen and press the roller.
- 3 Press **Options**.
Exchange rate is highlighted.
- 4 Press the roller.
- 5 Scroll until **How many home units to a foreign unit** or **How many visited units to a home unit** appears on screen.
- 6 Enter the exchange rate (press # to enter a decimal).
- 7 Press **OK**. **Exchange rate saved** appears on screen.

Convert a currency amount

- 1 Using the calculator, enter the amount to be converted and press **Options**.
- 2 Scroll to **In home currency** or **In foreign curr.** and press the roller.
The converted amount appears on screen.

• To-do list

You can create and store to-do notes just as you would in a PDA. To-do notes can be sorted according to priority, saved to your calendar, or sent to another phone via SMS.



Adding a task

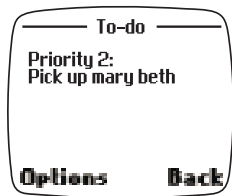
- 1 Press **Menu**, scroll until **To-do** list appears in the display, and press **Add**.
- 2 Enter the subject of the To-do note and press **OK**.
- 3 Scroll to a priority and press **Select**.

Viewing a task

Scroll to any item in the list and press the roller to view details of the task. Press

Options to display the following:

Erase	Go to calendar
Edit	Save to calendar
Change priority	Send as text
Add	Dictionary



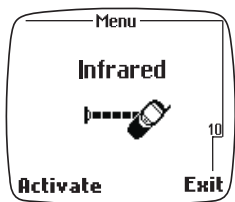
17. Communicate with other devices

You can send or receive phone book entries and calendar notes to a compatible phone or other device through the IR port of your phone.

• Infrared

To use IR, the device to which you're connecting must be IrDA compliant.

Note: The maximum distance between two devices in an IR connection is 3 feet (approximately 90 cm). There must be no obstructions between the two devices and both IR ports must be pointed at each other.



Check the status of an IR connection


The status of a connection is indicated by **▶■■■**, which appears in the upper left corner of the display.

- 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.

Activate IR

Your phone has an internal data feature, which means that no data suite or data card is necessary for sending or receiving data.

- 1 At the Start screen, press **Menu**.

- 2 Scroll until **Infrared** appears on screen and press the roller.
IrDA- reception activated appears on screen.
- 3 Press  to return to the Start screen.

Send Calendar notes via IR

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

Note: Make sure the other device is set to receive data via IR. Please refer to the user guide of the receiving device for more information on enabling and receiving IR communications.

Send a calendar note to another device using IR:

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Calendar** appears on screen and press the roller.
- 3 Scroll to the day containing the note you wish to send.
- 4 Press the roller and scroll to the desired note.
- 5 Press **Options** and scroll to **Send note**.
- 6 Press the roller. **Send via IR** is highlighted.
- 7 Align the infrared ports of both devices and press the roller.

Other types of IR connections

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

- Function as an external modem when connected to your computer. 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 its 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 to keep all of your information up to date. For more information, see the accompanying PC Connectivity Guide.

Send a business card via IR


You can transmit Phone book information using the industry standard v.card format and IR. Business cards (v.cards) can be sent to a compatible phone, a PC (running the appropriate software), or other infrared equipped device (such as Palm™, and Psion Series 5™).

Send a business card to a phone or other device:

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

- 1 Press the roller and scroll to the phone book entry you wish to send.
- 2 Press **Options** and scroll to **Send card via IR**.
- 3 Align the infrared ports of both devices and press the roller. **Sending card via IR** appears on screen.

Business card sent via IR appears on screen.

- 4 Press  to return to the Start screen.

Receive a business card from another phone or device:

To receive business cards from another compatible phone, you need to enable IR communications using the Infrared menu (**Menu 10**).

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

18. DLR-3P connections

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

- Function as an external modem. 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 its 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 using your phone as outlined above, see the accompanying PC Connectivity Guide.

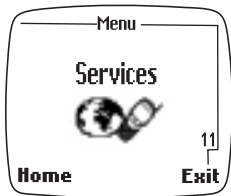
Important! Only connect the DLR-3P to your phone *after* it has been powered on. Also, do not connect the analog module (AMPS) to the phone while the DLR-3P is connected (or vice versa). If both of these modules are connected to the phone at the same time, it will prevent either of them from functioning properly.

19. Welcome to the wireless Internet*

WAP (short for Wireless Application Protocol) is to mobile devices what WWW (World Wide Web) is to desktop computers. The mobile community began developing WAP several years ago to give mobile device users access to the internet. Today, most WAP sites are made up of text and hyperlinks, with some capable of text input and 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.

• The Services menu

The **Services** menu allows you to use your WAP browser to view news, weather reports, check flight times, access financial information, and much more. You can also save the address of any WAP page as a bookmark, much the same as a web page on your personal computer.



Note: You may need to subscribe to additional services before you're able to use the browser. Also, your service provider may have to configure your phone for browsing after you've subscribed. Contact your service provider for more information.

Important! Internet content received over a secure connection and stored in your browser's cache may be reused over non-secure connections and may create security issues. Please check with your service provider to determine if emptying your browser's cache after each browsing session or some other method should be used to avoid security issues.

• WAP settings

It shouldn't be necessary to manually configure your phone for browsing. Normally your service provider will modify these settings once you've subscribed to this feature. Contact your service provider if you have problems using the browser.

• Your service provider and WAP

Because WAP content is designed to be viewed from your phone, your wireless provider now becomes your "wireless Internet service provider" as well.


It's likely that your service provider has created their own home page and configured your browser to go to this page when you press **Home** on the browser's menu. Once at your service provider's home page, you'll find links to a number of other WAP sites.

• Launch the browser*

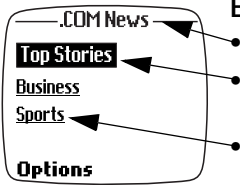
- 1 At the Start screen, press **Menu**.
- 2 Scroll until Services appears and press Home.

Your phone connects to the Internet and is directed to your service provider's home page.

Note: If your phone displays **Check service settings**, it may not be configured for browsing. Contact your service provider to make sure that your phone is configured properly.

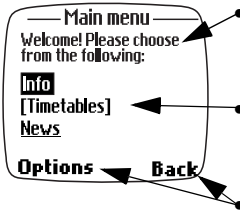
Note: Pressing  terminates any active browser session and returns you to the Start screen.

Navigating a WAP card

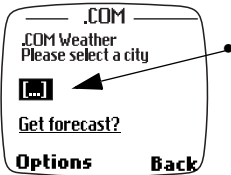


Elements common to most pages:

- Header line** - shows the current location.
- Active hyperlink** - highlighted and awaiting a press of the roller.
- Hyperlink** - used to navigate to other cards or sites. Scroll to select the link and click the roller.



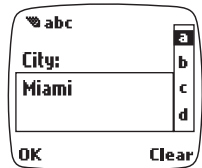
- Text** - use the roller to scroll through the text. The cursor will automatically jump to the next hyperlink to activate it.
- Selection list** - identified by text in brackets. Click this link to display additional choices or links.
- Options/Back** - Displays a card's options menu and/or the browser 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:

- 1 Highlight the data entry field and press the roller.
- 2 Enter the text requested by the data entry field (for example: **Miami**) and press **OK**.

The text you entered is now displayed between the brackets.



- 3 Scroll to the link that requires an action (For example: **Get forecast?**) and press the roller.

The browser menu

- 1 At the Start screen, press **Menu**.
- 2 Scroll until **Services** appears and press the roller.

The following menu items are available. Use the roller to highlight and select.

- ***Home** Starts the browser and takes you to your service provider's home page.
- ***Bookmarks** Displays a list of all saved bookmarks.
- ***Settings** From here you can modify your connection settings, appearance settings, delete security certificates, and more.
- **Go to address** Allows you to enter the address of your choice.
- **Clear the cache** Empties the browser's temporary memory and frees up space. It's advisable to empty your cache at the end of each session.

Note: Some service providers may have customized the Services menu 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.

The Options menu

Press **Options** while browsing. The following menus appear on screen:

- **Home** Takes you back to your home page.
- **Bookmarks** Displays a list of all saved bookmarks.
- **Edit or Select** Allows you to 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 the address of your choice.

- **Use Number** Captures a phone number displayed on the card to place a call or add the number to the phone book.
- **Clear the cache** . . . Empties the browser's temporary memory.
- **Exit** Exits the current session and returns to the Start screen.

Additional menu items

Developers of WAP web sites can add more **Options** menu items specific to their web site. These options are often links to other areas within the site. As with any other menu item, scroll the roller to highlight and press the roller select.

Bookmarks

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

If the site has no title, then the site's address will appear in the list of bookmarks (example: **http://www.yahoo.com/news.wml**).



Save an address as a bookmark

- 1 Navigate to the desired site and press **Options**.
- 2 Scroll to **Bookmarks** and press the roller.
- 3 Press **Options**.
- 4 Scroll to **Save as bookmark** and press **Select**.

Enter a bookmark manually

- 1 At the **Services** menu, press the roller.
- 2 Scroll to **Bookmarks** and press the roller.
- 3 Press **Options**, scroll to **Add bookmark** and press the roller.

4 Enter the site's address (example: **my.yahoo.com**) and press **OK**.

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

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

To return to a bookmarked site

1 At the **Services** menu, press the roller.

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

3 Scroll to the desired bookmark and press the roller.

If you are not currently browsing, the phone will connect to the internet.

• Download a ringing tone

You can download up to five ringing tones to your phone through SMS or some WAP sites. 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 **Ringling tone received**.

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

2 Press **OK**.

20. Fun and games

- In *Snake II*, try to eat as much food as possible while avoiding the walls. The longer the snake's tail, the higher your score. If the snake runs into its tail or the wall, the game is over.
- In *Rotation*, arrange the numbers in numerical order - starting from 1. Rotate the numbers inside the frame with keys 1 and 3. Move the frame to another position with keys 2, 4, 6, and 8.
- In *Racket*, use the roller to move the racket up and down. Press the roller to serve and return the ball.
- In *Opposite*, try to change your opponent's pieces into your own color. Use keys 2, 4, 6, and 8 to move your piece. Insert a new piece by pressing key 5. The opponent's pieces that you capture will be reversed.



Your phone must be switched on to play these games. Don't switch on the phone when wireless phone use is prohibited or when it may cause interference or danger!

Start a game

- 1 At the Start screen, press **Menu**.
 - 2 Scroll until **Games** appears and press the roller.
 - 3 Scroll to the game you wish to play and press the roller.
- You can use your phone's IR port to play *SnakeII* against someone else. Before starting the game, point the IR ports of each phone at the other and then (each player) choose the two-player option.

Instructions displays a short tutorial on the game.

Level allows you to choose the difficulty of the game.

Continue resumes play after a pause.

Top score displays the top score (the top score cannot be reset).

21. Reference information

• Batteries and chargers

For information about charging and recharging your phone battery, see “Charge the battery” on page 8.

Use only batteries approved by the phone manufacturer. 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 will eventually wear out. When the operating time (talk-time and standby time) is noticeably shorter than normal, it's time to buy a new battery.

When a charger is not in use, disconnect it from the power source. Don't 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 over time.

For good operation times, discharge the battery from time to time by leaving your phone switched on until it turns itself off (or by using the battery discharge facility of any approved accessory). Don't 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 to room temperature before charging.

When the battery is running out of power and only a few minutes of talk time remain, a warning tone is emitted and **Battery low** appears on screen. When no more talk time is left, **Recharge battery** appears on screen, a warning tone sounds, and the phone switches off.

Use the battery only for its intended purpose.

Never use any charger or battery that is damaged or worn out.

Don't short circuit the battery. Accidental short circuits can occur when a metallic object (coin, clip, or pen) is touched to the + and - terminals of the battery. Shorting the terminals together may damage the battery or connecting object.

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

Batteries must be recycled or disposed of properly. *Do not* dispose of them in municipal waste.

Do not dispose of batteries in a fire!

● Important safety information

Traffic safety

Don't use a hand-held telephone while driving a vehicle. If you're using a hand-held phone, park the vehicle before conversing. Always secure the phone in its holder and don't 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 and always switch off your phone wherever forbidden, or when it may cause interference or danger.

When connecting the phone or accessory to another device, read its user's guide for safety instructions. Don't connect incompatible products.

As with other mobile radio transmitting equipment, users are advised to operate this equipment *only* in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Pacemakers

Pacemaker manufacturers recommend a distance of 20 cm (6 inches) be maintained between a hand-held wireless phone and a pacemaker to avoid interference with the pacemaker. These recommendations are consistent with independent research and recommendations of Wireless Technology Research.

Persons with a pacemaker:

- Should *always* keep the phone more than 20 cm (6 inches) 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.
- Should switch off the phone *immediately* if there is any reason to suspect that interference is taking place.

Hearing aids

Some digital wireless phones may interfere with hearing aids. In the event of such interference, 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 it is adequately shielded from external RF energy, or if you have any questions.

Switch off your phone in health care facilities when regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to RF energy.

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 emanating from your wireless phone.

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 when at a refuelling point (service station). Users are reminded of the need to observe restrictions regarding 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/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 be advised to turn off your vehicle engine.

Vehicles

Only qualified personnel should install or service the phone in a vehicle. Faulty installation or service may be dangerous and invalidate the warranty.

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (for example, electronic fuel injection systems, electronic anti-skid (anti-lock) braking systems, electronic speed control systems, air bag systems).

Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Ensure all wireless phone equipment in your vehicle is mounted and operating properly.

Don't carry or store flammable liquids, gases or explosive materials in the same compartment as the phone or its accessories.

For vehicles equipped with an air bag, remember that an air bag inflates with great force. Don't place any objects 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.

Aircraft

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 suspension or denial of telephone services to the offender, legal action, or both.

Emergency calls




- **Important!** This phone, like any wireless phone, operates using radio signals and cannot be guaranteed to connect in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (such as 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 wireless service providers for more information.

Making an emergency call:

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

Note: Some networks may require that a valid SIM card be properly inserted in the phone.

- 2 If the word **Clear** appears above right selection key, press and hold the selection key to clear the screen.
- 3 Enter the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
- 4 Press .

If certain features are in use (Keyguard, fixed dialing, and so on), you may first need to turn those features off before you can make an emergency call. Consult this guide and your local wireless service provider for more information.

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

Radio Frequency (RF) Signals

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

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

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

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 1.29 W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID LJPNSW-5NX.

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

• Care and maintenance

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

- Keep all parts and accessories out of small children's reach.
- Keep all parts and accessories dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits.
- Don't use or store parts or accessories in dusty, dirty areas. Moving parts can be damaged.
- Don't store parts or accessories in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Don't store parts or accessories in cold areas. When the phone warms up (to its normal temperature), moisture can form inside the phone, which may damage electronic circuit boards.
- Don't attempt to open. Non-expert handling could cause damage.
- Don't drop, knock or shake. Rough handling can break internal circuit boards.
- Don't use harsh chemicals, cleaning solvents, or strong detergents to clean parts or accessories. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Don't paint. Paint can clog 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.

• 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 "Batteries and chargers" on page 104 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)	5h to 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)	2h to 3h20m	1h to 2h	40h to 6 days	10h to 17h
Extended Li-Ion Battery 900 mAh (BLS-2S/BLS-2N)	3h to 5h	1h30m to 3h	2.5 to 9 days	16h to 26h
Extended NiMH Battery 900 mAh (BMS-2S)	3h to 5h	1h30m to 3h	2.5 to 9 days	16h to 26h
Extended NiMH Vibrating Battery 900 mAh (BMS-2V)	3h to 5h	1h30m to 3h	2.5 to 9 days	16h to 26h
Ultra Extended Li-Ion Battery 1500 mAh (BLS-4)	5h to 8h	2h45m to 5h	4 to 15.5 days	26h to 44h

Chargers and Other Accessories

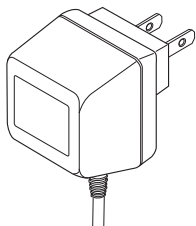
The following chargers and charging accessories are available for your phone; please see your dealer for details. Also, refer to the accessories brochure that was included in your sales package for the entire line of Nokia Original Accessories.

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.

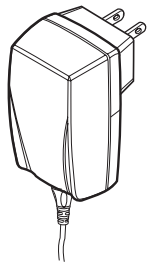


Rapid Travel Charger (ACP-8U)

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.

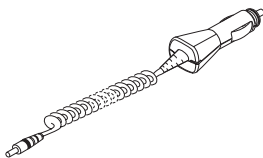
The charger can also be used together with the optional Compact Desktop Charging Stand (DCH-8 or DCH-9). Approximate charging times for discharged batteries are shown at the beginning of this section.



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).

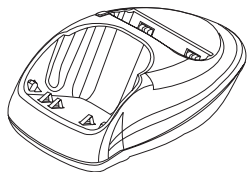
Calls are possible during charging. A green light indicates the charger is ready for charging. The battery charging times are shown at the beginning of this section.



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)

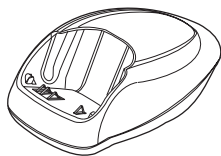
Used together with the Standard Travel Charger (ACP-7U) or the Rapid Travel Charger (ACP-8U), the Compact Desktop Charging Stand (DCH-9) is an economical choice when you need to charge your phone and/or a spare battery.



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.



Handsfree Desktop Charging Kit (DCH-12K)

This handsfree desktop charging 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).

• Troubleshooting

The following table lists some common problems and their solutions.

Problem	Possible cause	Possible solution
My phone isn't charging.	The charger and phone aren't properly connected.	See "Charge the battery" on page 8.
	The charger is not properly plugged in.	
I try to dial a number, but Call not allowed appears on screen.	Your calls have been restricted using fixed dialing or call restrictions.	Turn off "Restrict calls" on page 66 or "Fixed dialing*" on page 67.
My phone isn't making/answering calls.	The battery is not charged.	Charge the battery.
	Poor signal strength.	Move to an area with better reception.
I can't listen to my voice messages.	You haven't saved your voice mailbox number.	See "Save the voice mailbox number*" on page 44.
	You've saved the incorrect voice mailbox number.	
My SMS messages are not being delivered.	You haven't subscribed to SMS service.	Call your wireless service provider. to subscribe to SMS.
	You haven't saved your SMSC number to your phone.	See "Save the Message center number*" on page 73.

Problem	Possible cause	Possible solution
The phone won't dial a number using voice dial.	You haven't assigned a voice tag to the number you are trying to call.	See "Assign a voice tag to a number" on page 56.
	You're in an area with an excessive amount of background noise.	Go to a quieter area to use voice dialing.
Whenever I connect the DLR-3P cable to my phone, it loses power.	The AMPS module is connected to your phone.	Disconnect the AMPS module or DLR-3P cable from your phone.
Whenever I connect the AMPS module to my phone, it won't power up.	The DLR-3P cable is connected to your phone.	Disconnect the analog module or DLR-3P cable from your phone.
I can't send information using IR.	The device you are communicating with isn't IrDA compliant.	Use a device that is IrDA compliant.
	The devices aren't close enough together.	Ensure your phone and the device are within 3 feet (90 cm) of each other.

Reattach the sliding cover

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

1. Make sure the metal frame of the slide is fully extended and locked into the open position (the 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.



22. Frequently Asked Questions (FAQ)

Q. How do I extend the antenna?

A. The antenna is fixed and cannot be extended.

Q. What if my phone is lost or stolen?

A. Contact your service provider immediately.

Q. Does the phone have to be on in order for me to receive a call?

A. Yes.

Q. What is my security code?

A. Your default security code is 12345. If you've changed your security code and forgotten the new code, contact your service provider.

Q. If I lose or forget my number, or my service provider's number, what can I do?

A. You may be able to find the number for your phone by using the List own numbers feature (under Settings > Phone settings > List own numbers).

Q. How do I lock the keypad?

A. Close the slide and press Lock keys.

Q. How do I unlock the keypad?


A. Open the slide.

Q. How do I keep track of my calls?

A. Use the Call log feature (see page 39).

Q. How do I turn off the ringer when I'm in a meeting or don't want to be disturbed?

A. Briefly press the power key (⏻), scroll to Silent, and then press the roller.

- Q. How do I make the phone ring louder?**
- A. See "Customize a profile" on page 47.
- Q. How do I change the ringing tone?**
- A. See "Customize a profile" on page 47.
- Q. How do I download a custom ringing tone?**
- A. Download tones using SMS. Call your service provider for more information.
- Q. Sometimes when I use a shortcut, I get the following message: Invalid Menu . What does this mean?**
- A. Some features are dependent upon your service provider. If your service provider doesn't provide this feature, or it is not part of your service package, you'll need to contact them for more information and to gain access.
- Q. Where is my phone's model number and IMEI number?**
- A. On the information label, which is located on back of the phone (under the battery). The model number of this phone is 7190.
- Q. How can I switch my phone into analog mode?**
- A. To use analog mode, you must have purchased and attached an NRM-1 (AMPS) module, which is available as an accessory. See your accessory brochure for more information.
- Q. How can I change the contrast of my phone's screen?**
- A. Go to Settings > Phone settings > Display contrast. Use the roller to adjust the contrast.
- Q. How do I clear my call timers?**
- A. Go to Call log > Call timers > Clear digital call timers. Enter the security code at the prompt and press OK.
- Q. How do I replace the slide if comes off?**
- A. See "Troubleshooting" on page 118.

23. Glossary

Term	Definition
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 Hands-free kit).
battery	The source of power for your phone when it's not connected to the charger.
bookmark	A web site or address (URL) that is saved to your phone's memory. A bookmark stores the addresses of your favorite websites and then recalls them from memory so you can return to the location quickly and easily.
browser	A computer program used for accessing sites or information on a network (such as the World Wide Web).
data call	A call that is placed or received where your phone functions as a data/fax modem, connected to your PC via the DLR-3P cable or IR.
earpiece	The portion of your phone that contains the audio speaker.
earpiece volume	The audible level of the earpiece in an active call.
e-mail	Electronic mail. A message sent electronically.
fax call	A call that is placed or received where your phone functions as a data/fax modem, connected to your PC via the DLR-3P cable or IR.
home system	The wireless system on which you are a subscriber.
IMEI	International Mobile Equipment Identifier. Used by service providers to identify your phone on the wireless network.

Term	Definition
Internet	An electronic communications network that connects computer networks and organizational computer facilities around the world.
IrDA	Infrared Data Association. IrDA is a non-profit trade association with a membership that ensures interoperability between devices of all types.
keypad tones	The sounds you hear when a key on your phone's keypad is pressed.
message alert tone	The sounds you hear upon receipt of a text or system message by your phone.
microphone	The electronic element located in the slide of your phone, responsible for picking up your voice and other sounds.
navigate	To move from one Internet site (web page) to another, or from one menu to another.
non-home 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	The button on the front of the phone that allows you to turn the phone on or off. It can also be used to recall and switch your phone's profiles.
predictive text input	A system developed for the rapid entry of text via a highly compressed database (or dictionary) of words.
preferred system	A system that uses the same "format" as your home system, but is not the system on which you are a subscriber.
ringing option	The way your phone plays (or does not play) the selected ringing tone when you have an incoming call. For example, ascending, descending.

Term	Definition
ringing tone	The tone that your phone plays (or doesn't play) when you have an incoming call.
ringing volume	The audible level of your phone's ringing tones.
roaming	The state of your phone when you are no longer in your service provider's network, often resulting in additional charges.
roller	A multi function key on the front of the phone. Roll the roller to scroll through your phone's menu structure and phone book. Press the roller to make your selection or to access the phone book or submenu structure.
screen or display	Your phone's display.
scroll	To move through a list of names, menu items, and so on, by rolling the roller up or down. Each new selection or option is highlighted as you roll to it.
selection keys	The keys under the lower left and right corners of your phone's display. These keys are defined by the text above them, inside the display.
SIM	Subscriber Identity Module
slide	The moving keypad cover, used to protect the keypad, as well as answer and end calls.
SMS	Short Message Service. A service whereby short text messages (typically around 160 characters) can be sent and received via your phone.
text message	See SMS.
URL	Universal Resource Locator. A URL is a specific address or location on the internet (for example, http://www.NokiaUSA.com)

Term	Definition
voice mail	A system maintained by your service provider, used to record voice messages, when you're unable to answer a call.
voice mailbox	The repository on your service provider's network for all voice mail messages.
volume	See earpiece volume or ringing volume .
warning tones	The collection of tones or melodies that are played when your phone alerts you to a variety of situations, or those tones you hear when you play one of the phone's games.
WAP	Wireless Application Protocol. WAP is a new part of the Internet designed specifically for mobile device users.
wireless network	Your service provider's operating environment, comprised of various types of hardware, software, and landline connections, making wireless calls possible.
World Wide Web (WWW)	A part of the Internet designed to allow easier navigation through the use of graphical user interfaces and hypertext links between different addresses -- called also <i>Web</i> .
WWW	Abbreviation for World Wide Web.

24. Technical information

Wireless networks	GSM 1900 and AMPS 800
Transmitting power	1 W (nominal)
Operating voltage	3.6 V DC (12 V DC for Handsfree kit)
Frequency band	1850.2 to 1909.8 MHz (Transmit) 1930.2 to 1989.8 MHz (Receive)
Number of channels	512 to 810
Memory locations	1000 in phone up to 250 in SIM card
Operating temperature	-10° C - +55° C (+14° F - +122° F)
Weight	95.2 grams (3.4 oz.) without battery 141.2 grams (5 oz.) with BLS-2S battery

25. Nokia One-Year Limited Warranty

Nokia Inc. ("Nokia") warrants that this cellular phone ("Product") is free from defects in material and workmanship that result in Product failure during normal usage, according to the following terms and conditions:

1. The limited warranty for the Product extends for ONE (1) year beginning on the date of the purchase of the Product.
2. The limited warranty extends to the original purchaser of the Product ("Consumer") and is *not* assignable or transferable to any subsequent purchaser/end-user.
3. The limited warranty extends only to Consumers who purchase the Product in the United States.
4. During the limited warranty period, Nokia will repair, or replace, at Nokia's option, any defective parts, or any parts that won't properly operate for their intended use with new or factory rebuilt replacement items if such repair or replacement is needed because of product malfunction or failure during normal usage. No charge will be made to the Consumer for any such parts. Nokia will also pay for the labor charges incurred by Nokia in repairing or replacing the defective parts. The limited warranty does *not* cover defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts. Nokia's limit of liability under the limited warranty shall be the actual cash value of the Product at the time the Consumer returns the Product for repair, determined by the price paid by the Consumer for the Product less a reasonable amount for usage. Nokia shall *not* be liable for any other losses or damages. These remedies are the Consumer's exclusive remedies for breach of warranty.

5. Upon request from Nokia, the Consumer must prove the date of the original purchase of the Product by a dated bill of sale or dated itemized receipt.

6. The Consumer shall bear the cost of shipping the Product to Nokia in Melbourne, Florida. Nokia shall bear the cost of shipping the Product back to the Consumer after the completion of service under this limited warranty.

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

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

b) The Product has been damaged from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake or damage from exposure to weather conditions, an Act of God, or battery leakage, theft, blown fuse, or improper use of any electrical source, or damage caused by the connection to other products *not* recommended for interconnection by Nokia.

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

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

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

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

- a) The Consumer shall return the Product to the place of purchase for repair or replacement processing.
- b) If "a" is *not* convenient because of distance (more than 50 miles) or for other good cause, the Consumer shall ship the Product prepaid and insured to:
- Nokia Inc.
Attn: Repair Department
795 West Nasa Blvd.
Melbourne, FL 32901
- c) The Consumer shall include a return address, daytime phone number and/or fax number, complete description of the problem, proof of purchase and service agreement (if applicable). Expenses related to removing the Product from an installation are *not* covered under this limited warranty.
- d) The Consumer will be billed for any parts or labor charges *not* covered by this limited warranty. The Consumer will be responsible for any expenses related to reinstallation of the Product.
- e) Nokia will repair or authorize the repair of the Product under the limited warranty within 30 days after receipt of the Product by Nokia or an Nokia authorized service center. If Nokia cannot perform repair covered under this limited warranty within 30 days, or after a reasonable number of attempts to repair the same defect, Nokia at its option, will provide a replacement Product or refund the purchase price of the Product less a reasonable amount for usage.
- f) If the Product is returned to Nokia during the limited warranty period, but the problem with the Product is *not* covered under the terms and conditions of this limited warranty, the Consumer will be notified and given an estimate of the charges the Consumer must pay to have the Product repaired, with all shipping charges billed to the Consumer. If the estimate is refused, the Product will be returned freight collect. If the Product is returned to Nokia after the expiration of the limited warranty period, Nokia's normal service policies shall apply and the Consumer will be responsible for all shipping charges.

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

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

11. Some states don't 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 don't allow the exclusion or limitation of incidental and consequential damages, so certain of the above limitations or exclusions may not apply to you (the Consumer). This limited warranty gives the Consumer specific legal rights and the Consumer may also have other rights which vary from state to state.

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

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

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

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

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

Nokia Customer Care Center
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 Nokia 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.
