ID: GML NHA-9S
2.983 (d)(8)   MANUAL

Nokia 282( )
User Guide

Draft 1.1 - 24th April 1998

∨ and ∧
scroll keys

Scrolls through menu functions and Phone Book. Adjusts earpiece volume during a call. Press and hold for continuous scrolling.

LED indicator

Flashes (faster rate) to show incoming call alerting. Flashes (slower rate) to indicate that phone is in service.

OK *key*

Confirms and selects choices on display. Finds a Phone Book entry by name.

MENU *key*

Enters the menu

SEND *key*

Sends the phone number on the display. Answers a call.

0-9, ✳ , *and* **#** *keys*

Used to enter numbers and characters

PWR *(power) key*

A long press turns your phone on or off.

Retractable antenna

(not visible)
Extend fully during calls

CLR *key*

Erases characters or clears display. Backsteps one menu level
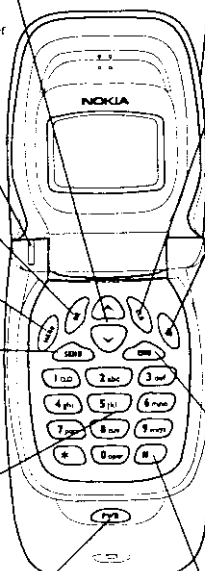
▲)) *Profiles key*

Selects a profile (group of preset sound settings) to suit your environment. During a call, provides 'easy access' adjustment of earpiece volume

END *key*

When in call, ends the call. When not in call, exits the menu or Phone Book feature. A long press activates Keyguard (press **MENU** ✳ to deactivate)

*key*

A long press shows the Life Timer

NOKIA

Quick guide to functions

Answer a call - Press **SEND** or any key except **END** or **PWR**, or open the cover.

Clear a digit from the display, when editing - Press **CLR**.

Clear the entire display, when editing - Press and hold **CLR**.

Emergency 9 call - Press and hold **9** for about two seconds *(Emergency 9 Dialing must be set to on!)*.

End a call - Press **END**, or close the cover.

Keyguard activate - Press and hold **END** until you see KEYGUARD ACTIVE, or press **MENU** *.

Keyguard deactivate - Press **MENU** *.

Last 15 dialed numbers - With clear idle display, press **SEND** then ✓. Press **SEND** again to dial displayed number.

Last number redial - With clear idle display, press **SEND SEND**.

Make a call - Enter area code (if required) and phone number, then press **SEND**.

One-touch dial - Press and hold a key, **1** through **8**, for about two seconds *(One-touch dialing must be set to on!)*.

PINCALL activate - Enter * # **PINCALL #**, then PIN code, then press **OK**.

PINCALL deactivate - Enter * # **PINCALL #** then press **OK**.

Profile - To change the profile, press 🔊 repeatedly to reach the profile you want, then press **OK**. Refer to "Selecting the Profile" on page 18 in the user guide.

Quick Find - With a clear idle display press **OK**. Enter the first letter(s) of the name, then press **OK**

Quick Save - Enter the area code (if needed) and phone number, then press **OK**. Enter the name, then press **OK** twice to store in first empty location.

Scroll Phone Book entries - With clear idle display, press ✓ or ▲ (repeatedly).

Speed dial - Enter the location number (1-75) then press **SEND**.

Stop incoming-call ringing - Give **END** or **PWR** a short press while ringing.

Switch on/off - Give **PWR** a long press.

Volume adjust - During a call, give 🔊 a short press to increase, or a long press to decrease (or press ✓ or ▲).

Quick guide to the menu

Enter menu - Press **MENU**.

Backstep one level - Press **CLR**.

Exit menu - Give **CLR** a long press, or press **END**.

Scroll through menu - Press **MENU** then ∨ or ∧.

Select a submenu or option - Press **OK**.

Shortcuts - Press **MENU**, then enter menu number.

Menu summary

1 Phone Book
   1 Find Entry
   2 Save Entry
   3 Edit Entry
   4 Erase from Phone Book
   5 Phone Book Status
   6 VIP Entry

2 Call log
   1 Dialed Calls
   2 Received Calls
   3 Missed Calls
   4 Erase all Recent Calls
   5 Call Timers

3 Phone Settings
   1 Ringing Options
   2 Ringing Volume
   3 Ringing Tone
   4 Keypad Tones
   5 Lights
   6 1-touch Dialing
   7 Emergency 9 dialing
   8 Language
   9 Phone Number
  10 Automatic Answer
  11 Automatic Redial
  12 Active Open
  13 Roam Beep
  14 Welcome Note

4 Security Settings
   1 Change Lock Code
   2 Change Security Code
   3 Restore Factory Settings

5 Call Settings
   1 Calling Card
   2 Calling Options

6 Lock Phone
   Prevents outgoing calls
   and access to all phone
   functions

7 Messages*
   1 Read Messages
   2 Erase Messages
   3 Message Alert Tone

In Call Menu
Only available during calls.
Give **MENU** a short press
to access the options
MUTE and SEND DTMF.

*The Messages menu is
available on Nokia 282N
only. Access to the
Messages feature depends
on network and
subscription.

*Note To exit a menu or Phone Book feature, and get a
clear display, press **END** at any time except during a call
(unless you want to hang up)*

Contents

1. For Your Safety

Read these simple guidelines before using your phone. Failure to comply with these guidelines may be dangerous or illegal.
For more detailed safety information, see "Important Safety Information" on page 78.

Road Safety Comes First

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

Switch Off In Hospitals

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

Switch Off On Aircraft

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

Switch Off When Refueling

Don't use phone at a refueling point. Don't use near fuel or chemicals.

Switch Off Near Blasting

Don't use the phone where blasting is in progress. Observe restrictions, and follow any regulations or rules.

Interference

All wireless phones may get interference which could affect performance.

Use Sensibly

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

Qualified Service

Only qualified service personnel must install or repair equipment.

Accessories and Batteries

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

1

FCC/Industry Canada Notice

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

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

Using this Guide

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

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

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2. Quick Start

Making your first call

1 Install and charge the battery (refer to "Fitting and charging the Battery" on page 7).

2 Give **PWR** a long press to switch on your phone. Wait for the signal indication to appear.

3 Enter the area code (if needed) and the phone number, then press **SEND**.

4 To end the call, press **END**.

Note: If you make a mistake when entering the phone number, to clear the last digit give **CLR** *a short press, or to clear the entire number, give* **CLR** *a long press.*

Changing the Profile (sound settings)

You can easily change the profile - which is a set of predefined sound and alert settings - to suit your surroundings. (This is simpler and quicker than changing these sound settings using the menu.)

- Press ⏹ (Profile) key repeatedly until the profile you want is next to the pointer, then press **OK**.

Note: You cannot change profile when in a call.

Changing earpiece volume

- When in call, to increase volume, give ⏹ a short press, or to decrease volume give ⏹ a long press (the 'easy access' method). Alternatively, press the ⌄ or ⌃ keys.

Using the cover to answer and end calls

- When the phone is alerting, you can answer calls by opening the cover (if the Active Open menu feature is set to On; refer to "Active Open (Menu 3 12)" on page 48).

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- You can end a call by closing the cover.

Quick Save (saving Phone Book entries)

1 With a clear idle display, enter the area code (if needed) then the phone number, then press **OK**.

2 At the Name: prompt, enter the name then press **OK** twice, to store in the first empty Phone Book location

Note: It's better to use short names (ie, no more than 10 characters), as these can be viewed at a glance - entries with short names and numbers can be displayed on a single screen when scrolling the Phone Book.

For further details, refer to "The Phone Book" on page 23.

Quick Find (finding Phone Book entries)

1 With an clear idle display, press **OK**

2 At the Find Name: prompt, enter the first letter(s) of the name then press **OK**.

Reverting to the clear idle display

When in a menu, scrolling Phone Book entries, or with entered digits or characters displayed, you may want to revert to the clear idle display. To do this:

- Give **END** a (short) press, or **CLR** a long press. (Don't press **END** to revert to idle when in a call, as the call will be ended.)

Status indicators such as Silent, KEYGUARD ACTIVE, or ROAMING may appear on a clear idle display.

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3. Display Indicators
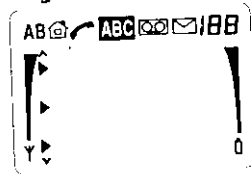
AB Shows which *type* of system your phone will use when it is roaming (see also the table "System selection and display indications" on page 57).

🏠 Your phone is using the Home system (see also the table "System selection and display indications" on page 57).

📞 You have an active call.

ABC You can enter letters or view names.

📼 You have one or more voice messages waiting.

✉ You have one or more text messages waiting. Blinks when Messages list (memory) is full.

188 Indicates menu, or Phone Book location number, or number of unread voice messages.

Y and bar indicate the cellular signal strength at the location where you are using your phone.

🔋 and bar indicate the battery charge level. When the battery is fully charged, the whole bar is displayed.

▶ Points to an item which may be selected (scroll to choose another item) - press **OK** to select.

˄ Indicates overflowing menu items or Phone Book
˅ entries (scroll to view the next or previous screen).

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Signal strength indication

A cellular phone sends and receives radio signals. As with all radio equipment, the quality of radio reception depends on the strength of the radio signal in the area where you are operating your phone.

The strength of the cellular signal is shown by the vertical bar on the left-hand side of the display. The higher the bar, the stronger the signal at your present location, and the more likely you are to get good call quality.

When NO SERVICE is displayed, the phone is either outside of the cellular service area or restricted from entering service, and calls cannot be made or received.

If the signal is poor and you are using the phone in a building, you may get better reception near a window.

IMPORTANT! *The phone can make and receive calls only when:*

- It is switched on, and
- It is located in the cellular service area, and the radio signal strength is adequate.

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4. Fitting and charging the Battery

Your phone is powered by a rechargeable Lithium-ion battery. Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer. See "Important Battery information" on page 10.

NB: A new battery must be charged before use.

Fitting the Battery
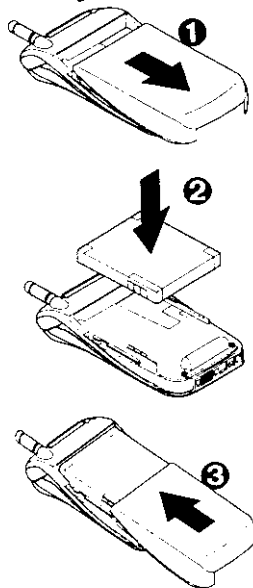
1 Slide off the battery cover.

2 Fit the battery in the recess - the battery contacts must align with the contacts in the phone.

3 Locate the battery cover in the guides on the phone, then slide it into position.

Charging the Battery

1 Connect the lead from the charger to the bottom of your phone, or place the phone in the Desktop Charging Stand (optional accessory).

2 Plug the charger into a standard wall outlet.

When charging starts, the segments of the battery indicator will scroll and the phone beeps once.

After the segments of the battery indicator stop scrolling and all segments are displayed, the battery is fully charged.

Charging times, specifed below, depend on the charger used.
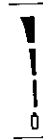
3 Disconnect the charger from the power outlet and phone.

You can use the phone during charging, but charging will be reduced for the duration of the call.

Note: In a call, charging will stop completely if you are using the Travel Charger (ACP-7).

If the battery is too hot or cold, the charging may be interrupted until the battery reaches its normal operating temperature.

Charging times

The battery charging times shown in the following table are approximate.

Travel Charger ACP-7	Rapid Travel Charger ACP-9	Rapid Cig. Lighter Charger LCH-9
4 hours	2 hours	2 hours

Talk and Standby times

Battery operation times depend greatly on how you use the phone, as well as on the coverage of the network and network parameters set by the wireless service provider. Typical times are shown in the table.

Talk Time	Standby time
95 minutes	24 hours

Battery Low warning

You get this message and a warning tone when the battery charge is low and only a few minutes of talk time remain.
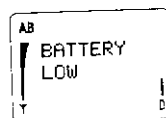
The repetition rate of the battery-low warnings depends on the remaining battery capacity and the battery condition.

Note: If you have selected the Silent profile, you won't hear any warning tones. (See "Selecting the Profile" on page 18.)

When the battery charge is too low for the phone to work, the phone displays RECHARGE BATTERY, then beeps, then shuts itself off.

Charge the battery as described earlier in this section.

Removing the Battery
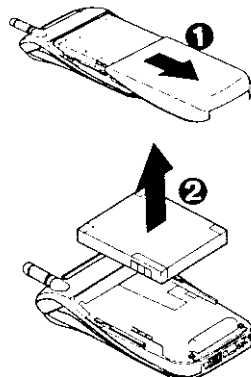
Note: Switch off the phone's power before removing the battery!

1 Slide off the battery cover.

2 Lift the battery out.

Important Battery information

- Use only batteries and chargers approved by the phone manufacturer (use only 'Nokia Genuine Accessories').

- When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its life.

- If left unused, a fully charged battery may lose some if its charge over time.

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

- Use the battery only for its intended purpose.

- Do not short circuit the battery. Accidental short circuiting can occur when a metallic object (e.g. coin, clip or pen) causes direct connection of the

+ and - terminals of the battery (metal strips on the side of the battery), for example, when you carry a spare battery in your pocket or purse. Short circuiting the terminals may damage the battery or the connecting object.

- Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, reduces the capacity and lifetime of the battery. Always try to keep the battery between 41 $^\circ$F and 95 $^\circ$F (5 $^\circ$C and 35 $^\circ$C). A phone with a hot or cold battery may temporarily not work, even if the battery is fully charged, or it may temporarily not charge. Li-ion battery performance is particularly limited in temperatures below 14 $^\circ$F (-10 $^\circ$C).

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

- When the battery is not in use, store it uncharged in a cool, dark and dry place.

- The battery is a sealed unit with no serviceable parts. Do not attempt to open the case.

- The battery can be charged and discharged hundreds of times but will eventually wear out. When the operating time is shorter than normal, it is time to buy a new battery.

- Do not dispose of a battery in a fire!

Dispose of used batteries in accordance with local regulations. Recycle!

Lithium-ion batteries must be recycled or disposed of properly. They must not be disposed of in municipal waste.

Li-ion

5. The Basics

Switching the Phone on and off

- Give the **PWR** key a long press (for about one second).

If the display shows LOCKED, *press* **MENU** *and enter your 4-digit lock code.*

NORMAL POSITION: Hold the phone as you would any other telephone, with the antenna pointed up and over your shoulder.

TIPS ON EFFICIENT OPERATION: Extend your antenna fully when in calls. As with any other radio transmitting device, avoid unnecessary contact with the antenna when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

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

Welcome note

You can program your own welcome note which is displayed when you switch your phone on. (Your dealer may have entered the present welcome note; eg. the dealer's name.) You can change the welcome note - refer to "Welcome Note (Menu 3 14)" on page 49. If there is no welcome note programmed, then your phone number will be displayed instead.

Note: The welcome note is specific to your currently selected phone number.

Selecting a network

Your phone operates on specific networks and sometimes it must choose which system to use. This can happen, for example, if you are roaming (i.e. you leave

the area where you have signed up for service).

If you want your phone to work only in certain types of networks (for example, to take advantage of certain billing agreements between systems), you can specify this using "Carrier Selection (Menu 5 2 1)". See page 54.

Making a call

1 Extend the phone's antenna fully.

2 Enter the area code (if needed) and the phone number, then press **SEND**. If you make a mistake, press **CLR** to erase digits one by one. Press and hold **CLR** to clear the whole display.

A phone symbol appears on the display. The call is connected when the phone number disappears from the display and CALL appears.
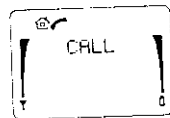
For international calls: You can enter a '+' at the beginning of a number by pressing ✱✱. Then enter the country code and number, then press **SEND**. The '+' expands to the international dialing code prefix.

To dial a number stored in the Phone Book: With a clear display press ∨ or ∧ until the Phone Book entry is displayed, then press **SEND**.

To make an emergency call: Refer to page "Emergency Calls" on page 80.

NO SERVICE appears and the phone beeps if you try to make a call when your phone is outside the cellular service area.

CALL NOT ALLOWED appears if you try to make a call that is restricted (see "Allowed Calls (Menu 5 2 2)" on page 57), or the phone is locked.

If you receive a call when you're trying to make a call, the incoming call comes through and the outgoing call is cancelled.

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Ending a call

- Press **END**, or .
- Close the cover, or
- If using the headset, press the headset button.

*Note: If you give **END** a long press, you'll activate Keyguard (see "Keyguard" on page 17).*

Answering a call

- Press **SEND**, or any key except **END** or **PWR**, *or*
- Open the cover (the Active Open menu must be set to On).
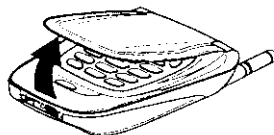
If Active Open is set to On, and you get a call with Calling Line Identification (see page 67) which causes the name or number to be displayed, the name or number will be retained on the display briefly before the CALL notification appears. This allows you to see who is calling.

To answer a waiting call (normally indicated by a beep). Press **SEND**. (Note that Call Waiting is a network feature. You need to subscribe to it through your service provider.)

To stop the ringing without answering the call, you can press **END**, or if the cover is closed you can press **PWR** briefly.

Make sure the antenna is fully extended during the call.

*Note: If Keyguard is active, a call can only be answered by pressing **SEND**.*

When there is an incoming call, the phone rings and the vibra activates (if set). CALL flashes on the display and the LED indicator flashes
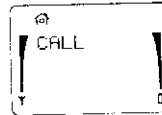
If you have selected the 'Silent' profile (see "Selecting the Profile" on page 18), there are no audible alert tones.

You can answer a call any time, even while using Keyguard, Phone Book or menu functions.

If you don't answer a call, the message 1 MISSED CALL or 'n' MISSED CALLS appears on the display and remains until you press any key (except the PWR key) to clear the display, or you can press OK, ∨ or ∧ to view the Missed Calls List. The phone automatically stores the caller's number (if available) in the Missed Calls list (see "Missed Calls (Menu 2 3)" on page 39). When you scroll the list, you first see a message telling you the number of new numbers (eg. 'n' NEW NUMBER(S), or NO NEW NUMBERS; wait for most recent number to appear or press ∨. Press ∨ or ∧ to scroll the list.

Calling Line Identification

If you are a subscriber to a network which supports Calling Line Identification your phone may display the caller's number or name when the phone rings (if the name and number are stored in the Phone Book). For more details, refer to "Availability of network services" on page 67 and "Calling Line Identification" on page 67.

Adjusting the earpiece volume

- During a call, give 🔊 a short press to increase the volume, or press and hold 🔊 to decrease it (the 'easy access' method). Alternatively, press

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∨ or ∧ to decrease or increase the volume.

Last number redial

- Clear the display. Press **SEND** (the number will appear) then press **SEND** again to initate the call.

Last 15 Dialed Calls

- Clear the display, press **SEND**, then ∨. Press ∨ or ∧ repeatedly until you see the number you want. Then press **SEND** to dial it.

  See "Dialed Calls (Menu 2 1)" on page 38 for more information.

Speed dialing

- Enter the number of the Phone Book location (**1-75**) where the phone number is stored, then press **SEND**.

  If the Phone Book location is empty, the message LOCATION EMPTY appears.

1-touch dialing

If 1-Touch Dialing is set to On, you can dial the phone number stored in any of the Phone Book locations 1-8 by pressing a single key:

- Press the required number key (**1-8**) for about two seconds.

  Note: Location 1 is recommended to be used as the Voice Mailbox Number.

  See "1-Touch Dialing (Menu 3 6)" on page 44.

Emergency 9 dialing

The 9 Key is reserved for an Emergency Number that is programmed into your phone by your dealer.

- Press the **9** key for about 2 seconds.

  Emergency 9 Dialing must be set On for this to work!

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The Basics

See "Emergency 9 Dialing (Menu 3 7)" on page 45.

Note: Official emergency numbers vary by area (e.g., 911 or another official emergency number). However, only one emergency number is programmed into your phone to be dialed automatically by Emergency 9 Dialing, and this may not be the proper number in all circumstances.

Note: Emergency 9 Dialing does not operate when Keyguard is activated. However, an emergency call can be made without deactivating Keyguard by entering the whole emergency number programmed into your phone and then pressing SEND.

Keyguard

- To activate Keyguard, give **END** a long press (or press **MENU** then ✳).

- To deactivate Keyguard, press **MENU** then ✳.

Keyguard locks the keypad to help prevent accidental keypresses (e.g. when the phone is in a pocket or a bag). KEYGUARD ACTIVE remains (or reappears) on the display until any key is pressed or Keyguard is deactivated.

Answering a Call with Keyguard Active

- Press **SEND**.

During the call, the keypad is automatically unlocked and the phone can be used normally. After the call is ended, Keyguard is automatically activated again.

The phone cannot be switched off when Keyguard is active. However, if the phone is ringing and Keyguard is active, you can give **PWR** a long press to switch off the phone *while it is ringing.*

Note: When Keyguard is activated, calls may be possible to the emergency number programmed into your phone (e.g., 911 or another official emergency number). However, Emergency 9 Dialing does not operate

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Note: Keyguard is not a security feature and will not prevent unauthorized use of your phone.

Making an emergency call with keyguard active

- Enter the emergency number preprogrammed in your phone and press **SEND**.

The emergency number is displayed only after you have entered the last digit of the number.

Selecting the Profile

A 'profile' is a group of preset sound and alert settings. You can quickly select one of five profiles to suit your environment or surroundings.

Depending on the profile you've selected, the phone then uses specific pre-defined menu settings for Ringing Options, Ringing Volume, Keypad Tones, Message Alert Tone, and Roam Beep, and also sets the microphone sensitivity and earpiece volume to appropriate levels

1 When the phone is in idle, press 🔊. The pointer will indicate the profile currently selected.

```
AB
 Loud
▶Personal
  Silent
```
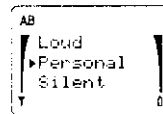
2 Press 🔊 again repeatedly (or use ∨ or ∧), to move the pointer to the profile which best suits your surroundings (see the following table). Press **OK** to choose it.

Profile	Where to use	Ringing	Vibra
Personal	Anywhere you want to use your own custom settings. To view or change these settings, use the menu.	As set in menu	As set in menu
Silent	Truly silent, for use in a meeting or other situation where you don't want any ringing, keypad or warning tones	None	No
Discreet	In a fairly quiet environment where ringing would cause annoyance	Beep	Yes
General	In many everyday situations where the noise level is quiet to moderate, and where you are not concerned about ringing causing annoyance	Yes	Yes
Loud	In noisy environments, such as in a busy street	Yes	Yes
Car	In a vehicle (this profile is selected automatically when the phone is fitted to an Advanced Car Kit)	Yes	No

The name of the profile currently selected will be displayed (on the middle line) when the phone is in idle. (The profile name may be replaced by a status message such as KEYPAD LOCKED.)

```
AB
   Loud
                        0
```
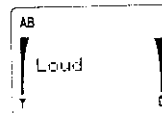
Note: When in a call, pressing 🔊 changes the earpiece volume, and it is not possible to access the profile options

Useful information about the Profile feature

- Settings for all the profiles except 'Personal' are fixed. You can change, or view, the settings for the 'Personal' profile using the menu. (You can't view the settings for the other profiles).

- If a profile other than 'Personal' is selected, and then you change the menu setting for Ringing Options, Ringing Volume, Keypad Tones, Message Alert Tone, or Roam Beep, then the profile will automatically change to 'Personal'. The settings will then be as previously set for the 'Per-

sonal' profile, except for the one you have changed. The phone will remain set to 'Personal' until you select a different profile.

- When you select the profile feature, any current menu or Phone Book operation will be exited.

- You can change the earpiece volume when in a call using the ⋰⋱, ∨ or ∧ keys. At the end of the call the earpiece volume will revert to the setting for the currently-selected profile, and that profile will remain selected and unaffected.

- If you connect the phone to an Advanced Car Kit, the 'Car' mode is selected automatically, and Car appears in the displayed list of profiles. When you remove the phone from the Car Kit, the phone will revert to the profile selected before you fitted it to the Car Kit (but, if you changed the profile while it was in the Car Kit, that profile will remain selected).

- If a headset is connected to the phone, then the current profile remains selected, but the microphone and earphone levels are adjusted automatically (and remain selected until the headset is removed). *Don't connect a headset when the phone is fitted to the Advanced Car Kit (an error tone will be produced).*

- The Vibra (Ringing Option) will be disabled when the phone is connected to a charger or a car kit.

Calling card calls

If you use the phone's Calling Card storage feature (see "Calling Card (Menu 5 1)" on page 51), you can use the method described below to charge long distance charges to a Calling Card You won't need to enter Calling Card information every time you want to make a card call

Note No physical credit cards are needed in order to direct the call charges to the credit card; however you must first store and select a Calling Card with Menu 5 1!

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The Basics

To make a calling card call:

1 Enter the phone number of the party to be called.

2 Press **SEND** *for 2 seconds.* The phone displays CARD CALL (and the card name if entered), then WAIT FOR TONE, THEN PRESS 'OK'.

3 When you hear a tone or voice prompt, press **OK** or **SEND**. The phone may ask you again to WAIT FOR TONE, THEN PRESS 'OK'.

4 If you get another tone or voice prompt, press **SEND** again.

The call is then made, and the phone displays CARD CALL and the name of the card (if it is has a name).

It is also possible to make manual card calls by using Touch Tones (DTMF) through your Calling Card Operator. To do this, see "In-Call Menu" on page 61, and "Sending touch tones" on page 64.

You can make calling card calls in conjunction with PIN calls

PIN calls

'PIN Call' is a network security feature that requires a PIN Code every time you make a call. You can activate or deactivate it and specify the numbers in your PIN Code. Please check with your operator for the availability of PIN Calling in your network.

Note: If you are using the phone in an area that doesn't require PIN dialing, deactivate PIN Call.

Activating PIN call

1 Enter * # 7 4 6 2 2 5 5 # (spells PINCALL).

2 The phone asks for your four-digit PIN Code, which is provided by your network operator. Enter your PIN code and press **OK**. The phone

```
┌─────────────┐
│ PIN code:   │
│             │
│             │
└─────────────┘
```
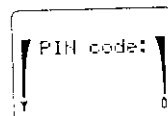
briefly displays PIN CALL ON.

Making PIN Calls

1 Make the call as usual (refer to "Making a call" on page 13).

   The phone displays PIN CALL.

2 After you hear a tone, press **SEND** again.

   The phone displays SENDING PIN ... . If the message remains on the display, press **SEND** again to resend the PIN code. Wait for your call to be connected.

*Note: If you're in a network that doesn't support PIN Calls, but your phone has PIN Call On, the phone still tries to send a PIN. Press **CLR** to end the PIN Call attempt.*

Note: When the phone is set to PIN CALL ON, a call to the emergency number programmed into your phone (e.g., 911 or another official emergency number) will be dialed as a normal call without the PIN code request.

Deactivating PIN call

• Follow the steps in "Activating PIN Call", but don't enter your PIN Code at the prompt; just press **OK**.

   The phone briefly displays PIN CALL OFF.

Voice and text messages

If you subscribe to voicemail, callers will be able to leave you voice messages which you can recall from your voice mailbox.

If you have purchased the Nokia 282N and subscribe to a text message network service, callers may send you short text messages that you can read on your phone's display.

For more details, refer to "Network Services" on page 67.

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6. The Phone Book

The Phone Book can store up to 75 phone numbers and names. It also has a "notepad" where you can store one additional temporary number and name.

The maximum number of Phone Book entries depends on how much information you store in each location. Stored phone numbers can be up to 32 digits long, and stored names can be up to 30 characters long.

This section includes details on how you can save, find and move Phone Book entries, and on other Phone Book features. You can also use Menu 1 to find, save, edit, and erase stored Phone Book entries. See "Phone Book (Menu 1)" on page 33.

Saving entries

Quick save

1 With a clear idle display, enter the area code (if needed) and the phone number then press OK.

2 Save Name: and ABC appear, and you can enter characters from the keypad (refer to "Entering names" on page 24). Enter the name (optional) then press OK.
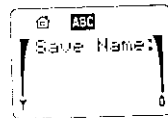
3 When SAVE IN LOCATION? (eg. '3') is displayed, press OK (or, if you want to save in a different Phone Book location, enter a location number of your choice then press OK). SAVED will be displayed.
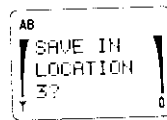
Unless you enter a different location number of your own choice, the phone stores the number in the first empty Phone Book location. The location number is shown in the display's upper right corner.

Identical names cannot be stored in the Phone Book. If you try to store a name that is already stored, the phone displays SAVE IN LOCATION 'n'? ('n' being the location currently containing the matching name). To confirm, press OK. Then, the phone asks if you want to replace the entry. To do this, at REPLACE? (followed by the name), press OK.

If you don't want to replace the contents, re-enter the information using a slightly different name, then save again.

Entering names

1 When Save Name: and the **ABC** indicator appear, you can enter letters by pressing the keypad keys a certain number of times, as indicated in following table.

   If you keep the name short, then both the name and complete number can be displayed on one screen (ie, at a glance) when recalling entries.

2 You can use ∨ or ∧ to move the cursor and press **CLR** to correct any mistakes. To clear the whole display, press and hold **CLR**.

The Phone Book

Key	1 press	2 presses	3 presses	4 presses	5 presses
1	1	1	1	1	1
2	A	B	C	2	A
3	D	E	F	3	D
4	G	H	I	4	G
5	J	K	L	5	J
6	M	N	O	6	M
7	P	Q	R	S	7
8	T	U	V	8	T
9	W	X	Y	Z	9
*	Moves the cursor to the next space immediately.				
#	Adds a space between letters.				

Entering punctuation marks

The **0** key can be used to insert punctuation marks (and `0`). Press **0** repeatedly until you get to the punctuation mark you want:

 _ ? ! , . : " ' & $ ( ) 0

The cursor

The cursor appears at the end of an entry for your convenience when entering, editing or erasing an entry. Note from the table above that you can either wait for the timer to move the cursor to the next space or you can press ✱ to force it to the next space.

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Phone Book location 75

This is a special Phone Book location. If you store a number in location 75, you can make calls to that number even if the phone is locked. See "Lock Phone (Menu 6)" on page 58. (Location 75 may not be available if there is no space remaining in the Phone Book, such as if other locations contain long names and numbers.)

Special characters in stored numbers

In stored numbers, you can include a 2.5 second pause ('p' character), a wait ('w' character), or a link to another Phone Book location ('+' character). This allows the automatic sending of Touch Tones.

For more information on using these special characters see "Automatically sending touch tones" on page 64.

- To enter a Pause (p), press ✱✱✱. *Note that a 'p' appears on the display, but this is different from just keying in the letter 'p'.*

- To enter a Wait (w), press ✱✱✱✱.

- To enter a link to another location, press ✱✱. A '+' sign will appear on the display. A '+' in the middle of a string links to another location.
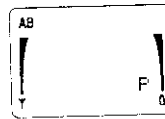
Note: A '+' at the beginning of a number is used for international calls. See "Making a call" on page 13 for more information.

Linking two Phone Book locations for long touch-tone strings:

1 Enter the Touch Tone string and store it in the Phone Book. Remember its location number.

2 Recall the phone number (assuming it's already stored) and remember its location number.

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3 Press ✳✳. The '+' character is displayed after the phone number.

4 Enter the location number (one or two digits) of the Touch Tone string (from Step 1). Store the new contents (phone number, '+', and Touch Tone location). When the phone displays SAVE IN LOCATION? enter the location number from Step 2 and press **OK**.

For details on sending Touch Tones, see "Sending touch tones" on page 64.

Making a call using the two joined locations:

1 Recall the first location and press **SEND**. This dials the phone number, but the dialing stops at the '+' character.

2 When the call is established, press **MENU SEND**. The phone will automatically send the Touch Tone string in the second location (which is displayed).

Finding entries

You can recall an entry by searching for a particular name, by specifying a particular location number, or by simply scrolling all the entries.

If the entry is short, then the name and complete phone number may be shown on a single screen.

```
┌─────────────┐
│ AB        12│
│▮ JOHN       │
│  HARRISON   │
│      1234567│
│▼           0│
└─────────────┘
```
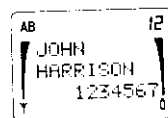
Longer entries may be shown on two or three screens, as indicated by the down (▾) or up (▴) overflow indicators - when you see these, press ▾ or ▴ to view the other part of the entry.

```
┌─────────────┐
│           7 │
│▮ JAMIE      │
│  WILLIAMS   │
│  OFFICE     │
│▼           0│
└─────────────┘
```

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Note: Scrolling upwards is faster if you have entries shown on more than one display - you will jump from the first display of one entry to the first display of the previous entry.

```
┌─────────────────┐7
│┌───────────────┐│
││0123456789     ││
││987654321      ││
│└───────────────┘│
└─────────────────┘0
```
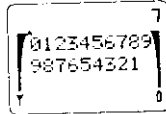
With (any part of) the entry displayed, to make a call to the number in the entry press **SEND**.

Searching for a particular name

1 With a clear idle display, press **OK**.

2 Find Name: and [ABC] appear. Enter the first letter(s) of the name, then press **OK**.

```
┌─────────────────┐
│ ⌂               │
│  Find Name:     │
│                 │
└─────────────────┘
```

3 The nearest match, if any, in the Phone Book will be displayed. To scroll other entries, press ∨ or ∧ (unless in a call).

Finding an entry by location number

If you know in which Phone Book location an entry is stored, you can quickly recall it by location number.

• Enter a one-digit or two-digit number (1-75) then press ∨ or ∧ (to scroll entries in location number order).

  For example, to recall the name and number in location 20, enter **2 0** then press ∨.

Scrolling entries

• With a clear display, press ∨ or ∧ repeatedly.

Using the Notepad memory

Saving an entry in the Notepad

• Enter the name and number normally, then when SAVE IN LOCATION? is displayed, press #

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The Phone Book

then press **OK**.

Viewing the entry in the Notepad

- With a clear display, press **#** then ∨ to view the number.

Moving an entry

1 Recall the name and number. Press **OK**.

2 At SAVE IN LOCATION?, enter the new location number then press **OK**. The phone will display MOVE?.

3 Press **OK** to move (the phone displays MOVED and the remaining available Phone Book memory), or press **CLR** to exit without moving.

Erasing an entry

See "Erase From Phone Book (Menu 1 4)" on page 36.

Editing an entry

See "Edit Entry (Menu 1 3)" on page 34.

Alternatively, you can scroll to an entry then edit it:

1 From a clear idle display, press ∨ or ∧ to display the entry you want to edit. Press **OK**.

2 At the Edit Name: prompt, edit the name. Use the **CLR** key to erase characters, use ∨ or ∧ to move the cursor, and enter new characters as required Press **OK**.

3 At the Edit No.: prompt, edit the number, and press **OK**.

4 At SAVE IN LOCATION? (you can enter a different location number if you want, then) press **OK** If you did not change the name, or the name you have entered matches one already stored, then REPLACE? will be displayed; press **OK** to

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replace the contents with the new (edited) name and number.

Using the VIP feature

This feature lets you personalize your phone so that it will ring with a distinctive 'fanfare' tone when you receive a call from (up to three) specific numbers which you tag as 'VIP'.

Using the VIP Entry menu (see "VIP Entry (Menu 1 6)" on page 37), you can:

- tag any Phone Book entry (ie, make it a VIP number),

- view the tagged Phone Book entries (ie, see which entries are currently VIP numbers), and

- untag a Phone Book entry (ie, make it a non-VIP number).

The 'fanfare' tone ringing volume will be as set in the menu, or it will increase from Level 1 to Level 5 (with vibra) if you have selected the 'Discreet' profile, or if you have set Ringing Options to Beep Only, Vibra Only or Beep+Vibra. If you have selected 'Silent' profile, there will be no ringing. (For details on profiles, refer to "Selecting the Profile" on page 18).

For the VIP feature to work:

- each number you want to use as a VIP number must be stored in the Phone Book, and

- the Phone Book entry must be tagged, and

- the number must be received from the network via CLI (Calling Line Identification - a network feature to which you must subscribe).

When you get a call alert from a VIP number, the display will show the caller's name (or number), VIP, and CALLING flashing.

```
  ⌒
 JOE SMITH
    VIP
  CALLING
```

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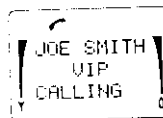
7. Menu features

The phone's menus and submenus give you access to many features, and ways to customize your phone to suit your individual preferences.

You can use the menus and submenus either with the 'Menu then OK Method' or the 'Shortcut Method'.

A menu list ('Menu Summary') is on page 33 and instructions for using the menus follow.

Accessing the menus

"MENU then OK" method

1 Press MENU to enter the menu.

2 Press ∨ or ∧ to scroll through menu choices.

3 Press OK to choose a menu.

4 *If there are submenus*: press ∨ or ∧ to scroll through the submenu choices. Press OK to enter a submenu.

5 The current setting is displayed. Press ∨ or ∧ to scroll through the other choices. Press OK to select one, or press END to exit the menus without changing anything.

Some menus require you to enter your lock code or security code.

To backstep a menu level at a time, press CLR. To exit the Menu, press END or give CLR a long press.

Shortcut method

The menus and submenus are numbered, so you can access them by their number:

1 Press MENU to enter the menu, then press the number(s) of the menu you want within 4 seconds. For example, for 'Phone Settings' press 3, or for 'Keypad Tones' (within 'Phone Settings') press 34.

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The current setting (if applicable) is displayed. The menu (or submenu) number is shown in the top right-hand corner of the display.

2 Press ∨ or ∧ to scroll through other settings. Press **OK** to select a setting or press **CLR** to exit the menus without changing the settings.

Note: If you use the shortcut method, the display shows a '_' (briefly) before the menu or submenu number in the top right-hand corner of the display.

Also, if you use the shortcut method to access Menu 3 1, there is a 5-second delay before the menu appears. To bypass this delay, press **MENU 3 1 OK OK**.

Using the menu during a call

If you press **MENU** (short press) during a call, the phone gives you the In-Call Menu (see "In-Call Menu" on page 61). If you want to access the regular menu, press **MENU** for a couple of seconds. You can then use the menu features normally.

Menu summary

1 Phone Book
  1 Find Entry
  2 Save Entry
  3 Edit Entry
  4 Erase from Phone Book
  5 Phone Book Status
  5 VIP Entry

2 Call log
  1 Dialed Calls
  2 Received Calls
  3 Missed Calls
  4 Erase all Recent Calls
  5 Call Timers

3 Phone Settings
  1 Ringing Options
  2 Ringing Volume
  3 Ringing Tone
  4 Keypad Tones
  5 Lights
  6 1-touch Dialing
  7 Emergency 9 dialing
  8 Language
  9 Phone Number
  10 Automatic Answer
  11 Automatic Redial
  12 Active Open
  13 Roam Beep
  14 Welcome Note

4 Security Settings
  1 Change Lock Code
  2 Change Security Code
  3 Restore Factory Settings

5 Call Settings
  1 Calling Card
  2 Calling Options

6 Lock Phone
Prevents outgoing calls and access to all phone functions

7 Messages*
  1 Read Messages
  2 Erase Messages
  3 Message Alert Tone

In Call Menu
Only available during calls. Give **MENU** a short press to access the options MUTE and SEND DTMF.

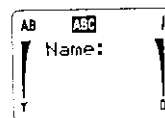*The Messages menu is available on Nokia 282N only. Access to the Messages feature depends on network and subscription.

Phone Book (Menu 1)

To access Menu 1, press **MENU** then **OK**.

Find Entry (Menu 1 1)
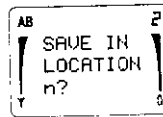
1 Press **MENU** then **OK**.

2 You'll see FIND ENTRY. Press **OK** again. The phone prompts you to enter a name.

3 Enter the first letter(s) of the name then press **OK** (or ∨

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or ▲ to scroll through the stored entries).
Alternatively, at the Name: prompt, just press
press ▼ or ▲ .

Save Entry (Menu 1 2)

1 Press MENU then OK then ▼ to scroll to SAVE
ENTRY. Press OK.

2 Name: is displayed. Enter the name then press
OK.

3 Number: is displayed. Enter the number then
press OK.

4 The phone suggests a
location for saving the entry.
Press OK, or enter another
location number then press
OK. The phone displays
SAVED and the remaining available memory.

```
┌────────────────┐
│ AB           2 │
│ ▼  SAVE IN     │
│    LOCATION    │
│ ▲  n?        0 │
└────────────────┘
```

Edit Entry (Menu 1 3)

1 *Either:*
Recall the entry from the Phone Book first
Or:
If you want to find the entry using this menu
feature, start at Step 2.

2 Press MENU then OK then ▼ to scroll to EDIT
ENTRY. Press OK.

If you've already recalled the entry, go to Step 5.
Otherwise go to Step 3.

3 Depending on whether you
want to find the entry by name
or by location number, press
▼ to scroll to Find Name
or Find Loc., then press
OK.

```
┌────────────────┐
│ AB           2 │
│ ▼  Find Name   │
│   ►Find Loc.   │
│ ▲            0 │
└────────────────┘
```

4 *Either:*
If you selected Find Name then Name: will be
displayed - enter the first letter(s) of the name.

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Menu features
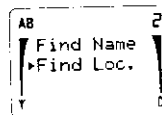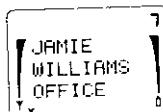
then press **OK**.

Or:

If you selected Find Loc., then Location:
will be displayed - enter the location number (1-
75) in which the entry is stored (or press ∨ or ∧
to scroll entries), then press **OK**. Go to Step 6.

5 The entry will be displayed.
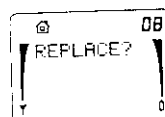
If the complete entry won't fit
on one screen, the down (∨)
or up (∧) overflow indicators
will be displayed (example
shown).

```
┌─────────────┐
│ JAMIE       │
│ WILLIAMS    │
│ OFFICE    0 │
└─────────────┘
```
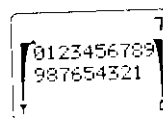
You can press ∨ or ∧ to
view the other part of the
entry.

```
┌─────────────┐
│ 0123456789  │
│ 987654321   │
│           0 │
└─────────────┘
```

If this is the entry you want to edit, press **OK**; if
not, press ∨ or ∧ to scroll to the entry you want
to edit, then press **OK**.

6 Edit Name: (see note after Step 8) and the
name (if it exists) is displayed. If you want to edit
the name, use the **CLR** key to erase characters,
use ∨ or ∧ to move the cursor, and enter new
characters as required. Press **OK**.

7 Edit No.: (see note after Step 8) and the
number is displayed. If you want to edit the
number use the **CLR** key to erase digits, use ∨ or
∧ to move the cursor, and enter new digits as
required. Press **OK**.

8 At SAVE IN LOCATION?
(you can enter a different
location number if you want,
then) press **OK**. If you did not
change the name, or the

```
┌─────────────┐
│ ⌂        08 │
│ REPLACE?    │
│           0 │
└─────────────┘
```

name you have entered matches one already
stored, then REPLACE? will be displayed, press
OK to replace the contents with the new (edited)

Menu features

name and number.

Note: The prompts Edit Name: *and* Edit No.: *will be omitted if the name or number occupies more than two lines on the display.*

Erase From Phone Book (Menu 1 4)

Note: Be careful when erasing--it can't be undone!

1 Press **MENU** then **OK** then ∨ to scroll to ERASE FROM PHONE BOOK. Press **OK**.

2 Press ∨ to move the pointer to your choice. Press **OK** to choose it.
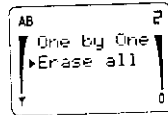
```
┌──────────────┐
│ AB          2 │
│ ▌One by One▐ │
│ ▌▸Erase all▐ │
│ ▼           0 │
└──────────────┘
```

If you choose Erase All, the phone asks you to confirm. Press **OK** when you see ARE YOU SURE?, or press **CLR** to exit without erasing.

If you choose One by One, the phone displays Erase name:. Either enter the first few letters of the name then press ∨, or just press ∨ to scroll through stored entries. When you see the entry you want to erase, press **OK**, or press **CLR** if you change your mind and do not want to erase.

Note: The contents of Phone Book location 1 (normally used to store your voicemail number) cannot be erased using this menu feature. The contents are permanently stored, unless you overwrite them with a new entry. If you want to erase the contents of location 1, save a blank name and number to the location.

Phone Book Status (Menu 1 5)

1 Press **MENU** then **OK** then ∨ to scroll to PHONE BOOK STATUS. Press **OK**.

```
┌──────────────┐
│ ⊚          5 │
│  n% OF        │
│  MEMORY       │
│  AVAILABLE    │
│ ▼           0 │
└──────────────┘
```

The phone displays the percentage of memory available

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Menu features
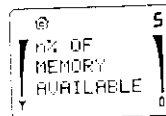
CALL LOG, press OK.

Dialed Calls (Menu 2 1)

The phone automatically stores the last 15 numbers you called or attempted to call. The same phone number isn't stored twice in the list. When you dial a number that already exists in the list, the dialed number is moved to the top.

The Dialed Calls list remains in the phone's memory when the phone is switched off. If you want to erase it, use Menu 2 4.

1 Press MENU ∨. You'll see CALL LOG; press OK.

2 You'll see DIALED CALLS. Press OK again.

3 Press ∨ to scroll through the last 15 numbers you have dialed.
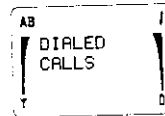
Each phone number in the list has a number which is shown in the top right corner of the display; e.g. '2L' - 'L' stands for last (dialed) call.

Press SEND to dial one of the numbers.

You can also press SEND SEND to dial the last number dialed.

Received Calls (Menu 2 2)

The phone automatically stores the callers' numbers of the last 15 calls you received and answered (if the network supports this feature, and the callers' numbers were received from the network - refer to your service provider for more details). The same phone number isn't stored twice in the list.

When you dial a number in the Received Calls list it remains in this list, and it is also added to the Dialed Calls list.

Menu features

The Received Calls list remains in the phone's memory when the phone is switched off. If you want to erase it, use Menu 24.

1 Press **MENU** ∨. You'll see CALL LOG; press **OK**.

2 Press ∨ to scroll to RECEIVED CALLS. Press **OK**.
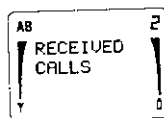
3 Press ∨ to scroll through the phone numbers of the last 15 received calls.

Each phone number in the list has a number which is shown in the top right corner of the display; e.g., '2A' - 'A' stands for answered (received) call.

Press **SEND** to dial one of the numbers.

To store one of the numbers in the Phone Book, recall the number from the list, then press **OK**; when SAVE IN LOCATION 'n' is displayed, press **OK** again.

Missed Calls (Menu 2 3)

The phone automatically stores the callers' numbers and names of the last 15 calls you missed (if the network supports this feature, and the callers' numbers were received from the network - refer to your service provider for more details). The same phone number isn't stored twice in the list.

When you dial a number in the Missed Calls list it is erased from this list, and it is added to the Dialed Calls list.

The Missed Calls list remains in the phone's memory when the phone is switched off. If you want to erase it, use Menu 24.

1 Press **MENU** ∨. You'll see CALL LOG; press **OK**

Menu features

2 Press ⌄ to scroll to
MISSED CALLS. Press OK.

3 Press ⌄ to scroll the phone
numbers of the last 15 missed
calls.

```
┌─────────────────┐
│ AB            ∃ │
│ ▌ MISSED      ▌ │
│   CALLS         │
│ T             D │
└─────────────────┘
```

Each phone number in the list has a number which
is shown in the top right corner of the display; e.g.,
'2U' - 'U' stands for unanswered (missed) call.

Press **SEND** to dial one of the numbers; this
number will then be erased from the list.

To store one of the numbers in the Phone Book,
recall the number from the list, then press **OK**; when
SAVE IN LOCATION 'n' is displayed, press **OK**
again.

Erase All Recent Calls (Menu 2 4)
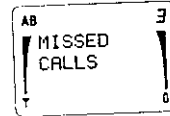
*Note: This menu erases all numbers in the Dialed
Calls, Missed Calls and Received Calls lists, and can't
be undone!*

1 Press **MENU** ⌄. You'll see CALL LOG press **OK**.

2 Press ⌄ to scroll to ERASE
ALL RECENT CALLS. Press
OK.

3 The phone asks ARE YOU
SURE?. Press **OK** to erase, or
press **CLR** to exit without erasing.

```
┌─────────────────┐
│ AB            ч │
│ ▌ ERASE ALL   ▌ │
│   RECENT        │
│   CALLS         │
│ T             D │
└─────────────────┘
```
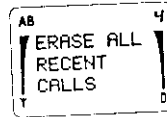
Call Timers (Menu 2 5)

1 Press **MENU** ⌄. You'll see CALL LOG; press
OK.

2 Press ⌄ to scroll to CALL TIMERS. Press **OK**.

3 Press ⌄ to scroll through the
options. Press **OK** to choose
the one you want. (You'll need
your security code to clear the
timers.)

```
┌─────────────────┐
│ @             J │
│ ▌ LAST        ▌ │
│   CALL          │
│      00:00:13   │
│ T             D │
└─────────────────┘
```

40

Menu features
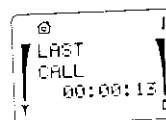
1 Press **MENU** then ∨ until you see PHONE SETTINGS. Press **OK**.

2 Press ∨ to scroll to 1-TOUCH DIALING and the current setting. Press **OK** if you want to change it.

```
 AB             6
 [ 1-TOUCH
   DIALING
              On
 T              0
```
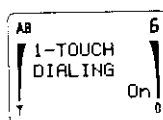
3 Press ∨ to move the pointer. Press **OK** to choose On or Off.

With 1-Touch Dialing On, you can dial the number stored in any of the locations 1 to 8, by pressing and holding the corresponding number key. If you press and hold 1, the phone dials your voice mailbox number if you have stored it in this location.

Note: 1-Touch Dialing does not operate when Keyguard is On, or when a call is already established.

If you press and hold 9, the phone attempts to make a call to the emergency number pre-programmed into your phone if you have Emergency 9 Dialing (Menu 3 7) set to On.

Emergency 9 Dialing (Menu 3 7)

You may dial the emergency number programmed in your phone by your dealer, by giving the **9** key a long press, only if Menu 3 7 is set to On.

1 Press **MENU** then ∨ until you see PHONE SETTINGS. Press **OK**.

2 Press ∨ to scroll to EMERGENCY 9 DIALING and the current setting. Press **OK** if you want to change it.

```
 AB             7
 [ EMERGENCY
   9 DIALING
              On
 T              0
```
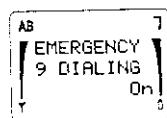
3 Press ∨ to move the pointer. Press **OK** to choose On or Off.

Language (Menu 3 8)

The menus and messages can be displayed in English, French, Spanish, or Portuguese.

Menu features

1 Press **MENU** then ⌄ until you see PHONE SETTINGS. Press **OK**.

2 Press ⌄ to scroll to LANGUAGE and the current setting. Press **OK** if you want to change it.

```
┌─────────────────┐
│ AB            8 │
│ ▐ LANGUAGE    ▌ │
│ ▐   English  ▌ │
│ ▼            0 │
└─────────────────┘
```

3 Press ⌄ to move the pointer to your choice. Press **OK** to select an option.
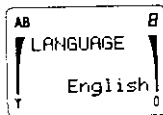
Phone Number (Menu 3 9)

Your phone can have two different telephone numbers. This menu lets you choose which telephone number to use.

Note: In order to have two different telephone numbers, you must subscribe to them through your cellular operator(s).

1 Press **MENU** then ⌄ until you see PHONE SETTINGS. Press **OK**.

2 Press ⌄ to scroll to PHONE NUMBER and the current phone number. Press **OK** if you want to change it.

```
┌─────────────────┐
│ ☺            9 │
│ ▐ PHONE       ▌ │
│ ▐ NUMBER     ▌ │
│ ▐ 2145551212 ▌ │
│ ▼            0 │
└─────────────────┘
```

3 Press ⌄ to move the pointer to the number you want (if there are two available). Press **OK**.

```
┌─────────────────┐
│ ☺            2 │
│ ▐ 2145551212 ▌ │
│ ▐▶8175551212 ▌ │
│ ▼            0 │
└─────────────────┘
```
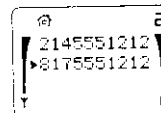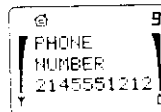
Note: If only one phone number is programmed into your phone, you'll only see that number in this menu.

The phone can't use both numbers at the same time and you can't change the number during a call.

If your phone is set to your first number, you can only receive calls via that number. You may be able to forward calls from your second number to your first number so you don't miss any calls, if this service is

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available from your cellular service provider. For more information, please contact your cellular service provider.

Automatic Answer (Menu 3 10)

Note: This feature applies only if the phone is in a handsfree car kit, or a headset is connected.

With Automatic Answer set to On, the phone automatically answers after 4 seconds.

Note: If using this feature with a headset connected, consider whether you want the phone to always answer calls automatically. For example, you may not be aware of incoming calls if you are not wearing the headset. To avoid the possibility of the phone automatically answering calls when you don't want it to, set Automatic Answer to Off.

1 Press **MENU** then ∨ until you see PHONE SETTINGS. Press **OK**.

**2** Press ∨ to scroll to AUTOMATIC ANSWER and the current setting. Press **OK** if you want to change it.

```
┌─────────────────┐
│ AB          IO  │
│ ▼ AUTOMATIC     │
│   ANSWER        │
│            On   │
│ Y            O  │
└─────────────────┘
```

3 Press ∨ to move the pointer. Press **OK** to choose On or Off.
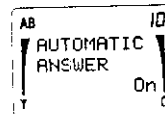
Automatic Redial (Menu 3 11)

Sometimes the cellular network is busy and your call can't go through. You get a SYSTEM BUSY... message and are asked to redial. If Automatic Redial is set to On, the phone automatically tries 3 more times to connect the call. If the call connects, the phone beeps to notify you.

1 Press **MENU** then ∨ until you see PHONE SETTINGS. Press **OK**.

2 Press ∨ to scroll to
AUTOMATIC REDIAL and
the current setting. Press OK
if you want to change it.

```
 AB            11
  AUTOMATIC
  REDIAL
            On
 ▼             0
```

3 Press ∨ to move the pointer.
Press OK to choose On or Off.
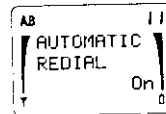
Active Open (Menu 3 12)

With Active Open set to On, when an incoming call is
alerting, you can answer the call by opening the
cover

*Note. You can end a call by closing the cover,
regardless of whether Active Open is set to On or Off.*

1 Press MENU then ∨ until you see PHONE
SETTINGS. Press OK.

2 Press ∨ to scroll to
ACTIVE OPEN and the
current setting. Press OK if
you want to change it.

```
 AB            12
  ACTIVE
  OPEN
            On
 ▼             0
```

3 Press ∨ to move the pointer. Press OK to choose
On or Off.
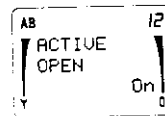
Roam Beep (Menu 3 13)

With Roam Beep set to On, you will hear a beep if the
roaming status changes (eg, if the phone roams from
the home system to a non-home system).

*Note. You can adjust this menu feature in the normal
way, but it will also be adjusted automatically when
you select a Profile (refer to "Selecting the Profile" on
page 18).*

1 Press MENU then ∨ until you see PHONE
SETTINGS. Press OK

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2 Press ▼ to scroll to ROAM
BEEP and the current setting.
Press OK if you want to
change it.

```
┌─────────────────┐
│ AB            13 │
│ ▼ ROAM          │
│   BEEP          │
│             On  │
│ Y             0 │
└─────────────────┘
```

3 Press ▼ to move the pointer.
Press OK to choose On or Off.

Welcome Note (Menu 3 14)

You can create or change the Welcome Note which is
displayed each time you switch on the phone.

1 Press **MENU** then ▼ until you see PHONE
SETTINGS. Press OK.

2 Press ▼ to scroll to
WELCOME NOTE. Press OK if
you want to create or change
it.

```
┌─────────────────┐
│ AB            14 │
│ ▼ WELCOME       │
│   NOTE          │
│ Y             0 │
└─────────────────┘
```
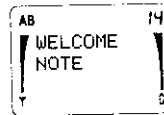
ABC will be displayed, indicat-
ing that you can enter charac-
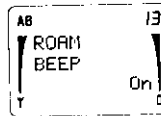ters from the keypad (for
details, refer to "Entering
names" on page 24).

```
┌─────────────────┐
│ AB     ABC      │
│   |             │
│ Y             0 │
└─────────────────┘
```
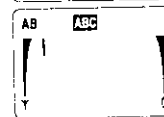
3 Enter the Welcome Note (up to 30 characters). To
correct a mistake (or to erase an existing note),
press **CLR** (which erases the character to the left
of the cursor). Press ▼ or ▲ to move the cursor
left or right.

4 When the note is complete, press **OK**. The
message SAVED will be displayed.

If there is already a Welcome Note, and now you
don't want one, save a blank screen (your phone
number will then be displayed instead when you
power on the phone)

Security Settings (Menu 4)

This menu lets you change your phone's security and
lock codes, which are required for certain functions.

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You can also reset the phone's menus to their factory settings.

Note: You need your security code to access this menu. The default security code is 12345.

To access Menu 4, press **MENU**, then ✓ until you see SECURITY SETTINGS. Press **OK**.

The phone asks for your security code. Enter your 5-digit security code and press **OK**.

```
┌─AB──────────4┐
│              │
│┌ Security   ┐│
││ code:      ││
│              │
│▼            0│
└──────────────┘
```
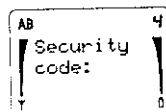
Change Lock Code (Menu 4 1)

The lock code is required when you want to lock your phone. See "Lock Phone (Menu 6)" on page 58.

Note: The phone's default lock code is 1234.

1 Press **MENU** then ✓ until you see SECURITY SETTINGS. Press **OK**.

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

3 You'll see CHANGE LOCK CODE. Press **OK** to change it. Enter a new 4-digit lock code. Press **OK**.

```
┌─AB──────────1┐
│              │
│┌ Enter      ┐│
││ new code:  ││
│              │
│▼            0│
└──────────────┘
```

4 The phone asks you to verify your new lock code. Type in the new lock code again and press **OK**. The phone briefly displays LOCK CODE CHANGED.
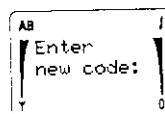
Change Security Code (Menu 4 2)

The security code allows access to the lock code and certain submenus, so it should be kept in a secret and safe place, separate from the phone.

1 Press **MENU** then ✓ until you see SECURITY SETTINGS. Press **OK**.

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

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3 Press ∨ to scroll to
CHANGE SECURITY CODE.
Press **OK** to change it. Enter a
new 5-digit security code.
Press **OK**.

```
┌─────────────────┐
│ AB            2 │
│ ▌Enter          │
│ │new code:   ▌  │
│ ▼            0  │
└─────────────────┘
```

4 When the phone asks you to verify your new
security code, key it in again and press **OK**.

5 The phone briefly displays SECURITY CODE
CHANGED.

Restore Factory Settings (Menu 4 3)

This function resets the phone's menus to their fac-
tory settings.

*Note: The lock code and security code are not
changed when you reset the menu settings.*

1 Press **MENU** then ∨ until you see SECURITY
SETTINGS. Press **OK**.
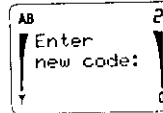
2 Enter your security code and press **OK**.

3 Press ∨ to scroll to RESTORE FACTORY
SETTINGS. Press **OK** to reset them.

4 The phone asks you to
confirm. Press **OK** to reset or
press **CLR** to exit without
resetting.

```
┌─────────────────┐
│ AB            3 │
│ ▌ARE YOU        │
│ │ SURE?      ▌  │
│ ▼            0  │
└─────────────────┘
```

5 If you press **OK**, the phone
briefly displays SETTINGS RESTORED.
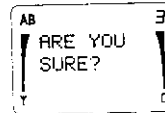
Call Settings (Menu 5)

This menu lets you store calling card information in
your phone, and set up calling restrictions.

To access Menu 5, press **MENU**, then ∨ until you
see CALL SETTINGS. Press **OK**.

Calling Card (Menu 5 1)

With this menu you store calling card information for

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up to 2 cards in your phone. Then you can make call-
ing card calls without having to enter the calling card
information each time.

To make a calling card call, see "Calling card calls" on
page 20.

Remember, to use the automated method of making
calling card calls, you must have entered all the nec-
essary card details and selected the card (using this
menu). If only the details for one card are entered,
there is no need to use the Select feature. But, if you
then add the details of another card, the second card
will automatically become the card in use. Only one
card can be active at a time.

You may enter a card name for each card, but this is
optional. This name is only used for card identification
on the phone display, and has no effect on the send-
ing sequence. 'Card A' and 'Card B' will be replaced
by the names you enter.

Card information may be found on your calling card. If
you need further information about specific dialing
sequences, contact your calling card company.

To enter or change calling card information

1 Press **MENU** then ∨ until you see CALL
   SETTINGS. Press **OK**.

2 You'll see CALLING CARD
   and the currently selected
   card. Press **OK** to change it.
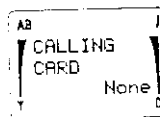
3 Use ∨ to move the pointer to
   None, Card A or Card B,
   then press **OK**. When the phone asks for your
   security code, key it in and press **OK**.

   If you select None, the phone briefly displays NO
   CARD SELECTED, and no card is selected.

   *Note. If you've already stored card information,
   and then later select None, the active card is*

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*deselected. However, stored card information is
left intact.*

If you select Card A or Card B, and you've
never entered information for the card before, skip
to Step 5.

4 If you've already entered
information for a Card, you
then have the option to
Select, Edit, or Erase
the card. Use ∨ to move the
pointer to the option you want, and press **OK**.

Select chooses this card as the one to use. The
phone briefly displays SELECTED.

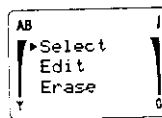Edit allows you to change already-entered infor-
mation, described in Steps 5 and 6 below.

Erase erases the stored information. To verify
that you want to do this, press **OK** at the ERASE?
prompt. Press **CLR** if you don't want to erase the
stored information.

5 If phone prompts you to
SELECT DIALING
SEQUENCE, press **OK**.
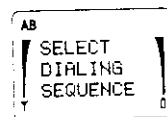
Press ∨ to scroll through the
4 dialing sequence options,
and press **OK** to choose one:

Access No. + Phone No. + Card No.
Use for cards that require you to enter a 1-800
access number first, then require you to enter a
phone number after you hear a tone, then a card
number after you hear another tone.

Access No. + Card No. + Phone No.
Use for cards that require you to enter a 1-800
access number first, then require you to enter your
card number after you hear a tone, then the phone
number after you hear another tone.

18xxx + Phone No. + Card No.

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Use for cards that require you to enter an access number (beginning with 10 then 3 digits), followed by the phone number after you hear a tone, then a card number after you hear a tone.

0 + Phone No. + Card No.
Use for cards that require you to enter 0, then the phone number after you hear a tone, then a card number after you hear a tone.

6 The phone then prompts you for other card information, which may include: SELECT PREFIX, Card No:, and Card name: At each of these prompts, press **OK**.

For SELECT PREFIX, use ∨ or ∧ to move the pointer to the prefix that your calling card requires you to enter before the phone number. Then press **OK**.

For Access No:, Card No:, and Card name:, enter the information then press **OK**.

The phone briefly displays CARD READY FOR USE, and uses the card for which you've just entered details.

Calling Options (Menu 5 2)

This menu lets you set your phone so that it can only make the types of calls you specify, or only in certain types of networks.

Note: When calls are restricted, calls may be possible to the emergency number programmed into your phone (e.g., 911 or another official emergency number) including calls by Emergency 9 Dialing.

Carrier Selection (Menu 5 2 1)

Your phone uses a carrier network (also called a cellular system) to make and receive calls. Generally you sign up for service with a particular "carrier" (your cellular service provider). This is called your "Home system" and usually you want the phone to use it.

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But there may be times when you can't or don't use your Home system (for example when you travel). Then, there's usually more than one network your phone *can* work in. But which one *should* it work in? The point of the Carrier Selection menu is to help your phone make the best choice for you.

A simple fact to know: All cellular systems are either type "A" or "B". So your "Home system" is either an "A" or "B" system. To find out your system type, ask your cellular service provider.

1 Press **MENU** then ∨ until you see CALL SETTINGS. Press **OK**. Press ∨ until you see CALLING OPTIONS. Press **OK**.

2 Press ∨ to scroll to CARRIER SELECTION and the current setting. Press **OK** if you want to change it.
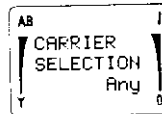
> AB
> CARRIER
> SELECTION
> Any

3 The phone asks for your security code. Key it in and press **OK**.

4 Press ∨ to move the pointer to the option you want (described below). Press **OK** to select it.

> AB
> Non-pref.
> ▶Any
> Home only
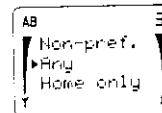
Preferred - Your dealer can program a list of "preferred" networks into your phone. If your dealer has done this, when you choose Preferred your phone looks first for your home system, then a network in the preferred list, then a network of the same "type" (A or B) as your home system, then a network of the opposite "type" as your home system.

If your dealer has not programmed this list into your phone, you can still use the Preferred option. The phone will look first for your home system, then a network of the same "type" as your home system.

Non-Preferred - Your phone will choose a network that is of a different "type" than your Home sys-

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tem.

Any - The phone first looks for your home system, then a network of the same "type" as your home system, then a network of the opposite "type" as your home system.

Home Only - The phone only looks for service on the Home system. It won't choose any other network, so if you're out of your Home system, you won't have service (NO SERVICE).

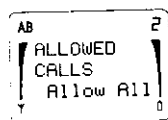The following table shows which system the phone attempts to use, and the phone's display indications, depending on which menu item you've selected, and whether or not your dealer has programed the phone with a Preferred list of systems.

System selection and display indications

Menu item selected	Does phone have Preferred list?	Order in which phone searches the systems	🏠 icon	Displayed system name or message	Displayed System Indicator (A or B)
Preferred	Yes	1) Home system	Solid	Blank/ home system name	Blank
		2) Preferred list, in priority or signal strength order	Flashing	PREFERRED/ Preferred system name	
		3) Home type	Blank	ROAMING	
		4) Non-home type	Blank	NON-PREF	
	No	1) Home system	Solid	Blank/ home system name	Home letter (A or B)
		2) Home type	Flashing	ROAMING	
Non-preferred	Doesn't matter	Non-home type	Blank	NON-PREF.	Non-home letter (A or B)
Any	Doesn't matter	1) Home system	Solid	Blank/ home system name	AB
		2) Home type	Flashing	ROAMING	
		3) Non-home type	Blank	NON-PREF	
Home Only	Doesn't matter	Home system	Solid	Blank or home system name	Blank

Allowed Calls (Menu 5 2 2)

1 Press MENU then ∨ until you see CALL SETTINGS. Press OK. Press ∨ until you see CALLING OPTIONS. Press OK.

2 Press ∨ to scroll to ALLOWED CALLS and the current setting. Press OK if you want to change it.

```
AB              2
┌ ALLOWED      ┐
  CALLS
└   Allow All  ┘
```

3 The phone asks for your security code. Key it in and press OK.

4 Press ∨ to move the pointer to the option you want (described below). Press **OK** to select it.

```
┌──────────────┐
│ AB          ↑ │
│ ┌──────────┐ │
│ │ Incoming │ │
│ │▸Allow all│ │
│ │ Nat'l only│ │
│ └──────────┘ │
│ ↑          0 │
└──────────────┘
```
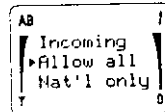
Allow all - There are no restrictions on outgoing calls.

Nat'l only - You can only make calls within your own country; you cannot make international calls.

Local only - You can only make local calls, or calls to toll-free numbers beginning with 1800, 1888, or 1877. You cannot make national calls (prefixed with 1) or international calls (prefixed with 011).

Mem. only - You can only make outgoing calls to numbers stored in Phone Book locations 10-14.

Note: You cannot store any numbers in the phone directory when Mem. only is selected.

Incoming - You can only receive incoming calls; your phone will not allow outgoing calls.

Lock Phone (Menu 6)

When you lock your phone, you cannot make outgoing calls (except to the number stored in Phone Book location 75 and the emergency number programmed into your phone). Also, you cannot access the phone's Phone Book or menu. You can receive incoming calls as usual.

To make a call to location 75 when the phone is locked, press ∨ then **SEND**. To call the emergency number, enter the entire emergency number then press **SEND**.

1 Press **MENU** then ∨ until you see LOCK PHONE. Press **OK**.

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2 The phone asks you to
Enter lock code.

3 Enter the lock code and press
OK. The phone displays
PHONE LOCKED.

```
┌──────────────┐
│ AB           │
│  ┌ Enter     │
│  │ lock code:│
│ ▼            0│
└──────────────┘
```
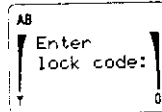
LOCKED remains on the display to remind you that
the phone is locked. To unlock the phone, press
MENU and the phone will prompt you for the lock
code. Key it in and press **OK**.

Messages (Menu 7)

*Note: This menu is available on the Nokia 282N only.
The messages feature depends on network and
subscription.*

To access Menu 7, press **MENU**, then ∨ until you
see MESSAGES. Press **OK**.

Read Messages (Menu 7 1)

The phone automatically stores the last 20 short text
messages you have received in the Read Messages
list. (You can receive text messages if the network
supports this service, and if you subscribe to this
service - refer to your service provider for more infor-
mation). This menu lets you scroll through and read
the stored messages.

Stored messages remain in the phone's memory
when the phone is switched off. The same message
isn't stored twice in the list.

If you want to erase a message, use Menu 7 2.

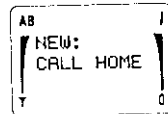**1** Press **MENU**, then ∨ until
you see MESSAGES. Press
OK.

2 Press ∨ to scroll to READ
MESSAGES. Press **OK**. The
display will show MESSAGE(S) RECEIVED if there
are new ones, or it will show the first (read)
message in the list if there are no new ones.

```
┌──────────────┐
│ AB          ↑│
│  ┌ READ      │
│  │ MESSAGES  │
│ ▼           0│
└──────────────┘
```

Menu features

3 Use ∨ or ∧ to scroll to the
message you want to read,
e.g., NEW: CALL HOME).

```
┌──────────┐
│ AB      1 │
│ ▐NEW:    ▌│
│ │CALL HOME│
│ Y        0│
└──────────┘
```

NEW denotes an unread mes-
sage, whereas OLD would
denote a previously read message.

Each message has a number which shows in the
top right corner of the display. The newest mes-
sage is 1. After you have read the last message,
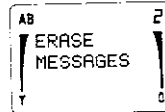the phone displays ***END***.

Erase Messages (Menu 7 2)

This menu lets you erase any of the stored messages.

*Note: This menu erases messages you select, and
cannot be undone!*

1 Press **MENU**, then ∨ until you see MESSAGES.
Press **OK**.

2 Press ∨ to scroll to ERASE
MESSAGES. Press **OK**.

```
┌──────────┐
│ AB      2 │
│ ▐ERASE   ▌│
│ │MESSAGES │
│ Y        0│
└──────────┘
```

3 Use ∨ or ∧ to scroll to the
message you want to erase.
Press **OK**. When ERASE? is
displayed, press **OK** again.
The phone will briefly display

```
┌──────────┐
│          │
│ ▐ERASED  ▌│
│ │         │
│ Y        0│
└──────────┘
```

ERASED. The list of stored messages is then re-
ordered and the next message is displayed. If the
list is empty (when you try to erase messages), NO
MESSAGES is displayed.
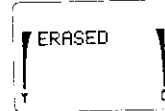
Message Alert Tone (Menu 7 3)

This menu lets you set the type of alert tone you hear
when you receive a text or voice message.

*Note: You can adjust this menu feature in the normal
way, but it will also be adjusted automatically when*

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Menu features

you select a Profile (refer to "Selecting the Profile" on page 18).
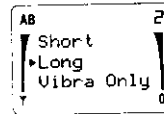
1 Press **MENU**, then ∨ until you see MESSAGES. Press **OK**.

2 Press ∨ to scroll to MESSAGE ALERT TONE and the current setting. Press **OK** if you want to change it.

```
┌─────────────────┐
│ AB            3 │
│  MESSAGE        │
│  ALERT TONE     │
│         Short   │
│ Y             0 │
└─────────────────┘
```

3 Press ∨ to move the pointer to the option you require: Short, Long, Vibra Only or Off. Press **OK** to choose it.

```
┌─────────────────┐
│ AB            2 │
│  Short          │
│ ▶Long           │
│  Vibra Only     │
│ Y             0 │
└─────────────────┘
```

These options are described below:

Short — causes the phone to beep 3 times when you receive a text or voice message.

Long — causes the phone to beep for 15 minutes when you receive a voice or text message. To stop the beeping, press any key except the **PWR** or the ∨ or ∧ (volume) keys.

Vibra Only - causes the phone to vibrate when you receive a voice or text message.

Off — means the phone won't beep (or vibrate) when you receive messages.

In-Call Menu

This is available only when you're in a call. To access it, give the **MENU** key a short press. (A long press of the **MENU** key gives you the regular menu.)

```
┌─────────────────┐
│ AB  ☎         2 │
│  Mute           │
│ ▶Send DTMF      │
│ Y             0 │
└─────────────────┘
```
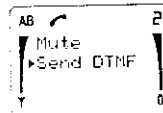
The in-call menu works just like a regular menu - press ∨ or ∧ to move the pointer then press **OK** to select an option. After you make a choice, the phone automatically exits the in-call menu.

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Menu features

Mute - This mutes the phone during a conversation. The phone displays MUTED. To unmute the phone, select the Mute option again. The phone displays MUTE OFF.

Send DTMF - To send DTMF (Touch Tone) strings during a call, first recall the stored string from the Phone Book. Then, access the in-call menu with a short press of **MENU**. Move the pointer to Send DTMF and press **OK**. The phone sends the DTMF (Touch Tone) string. See "Sending touch tones" on page 64.

Note: When you're in the In-Call Menu, pressing any key (0-9, *, #, CLR or END) exits the In-Call Menu. The phone displays the digit pressed instead.

While the phone is alerting you of an incoming call (and there are no other calls active or held), the In-Call menu is not available until you answer the call. Similarly, when you press **SEND** *to initiate a call, until the call is connected, there is no In-Call Menu.*

8. Data and Touch Tones

Data Mode

Data Mode can be used when your phone is connected, via a suitable data card and modem, to a laptop or personal computer. You may then use your computer to make and receive calls, and to send and receive data messages such as emails.

Follow these steps before using Data Mode:

1 Ensure your phone is switched on, and that the battery has enough charge for the duration of your data calls.

2 Ensure that you are receiving a strong signal (see signal strength indicator on the display).

3 Ensure that your computer is switched on, and is fitted with a data card.

4 Connect the data cable to the data card, and to your phone.

To select Data Mode

- Connect the data cable to your phone (DATA CARD CONNECTED displays). When in a call, with the data cable connected, the phone displays DATA CALL.

In a data call, the keys on the phone don't work except for END; when not in a call, all keys work. Also, the microphone and earpiece don't work in a data call.

Important! When you are in Data Mode, do not switch off the phone. Do not move the phone, or use it in a moving vehicle (data will be lost if you move from one cell to another)

To de-select Data Mode

- Disconnect the data cable (DATA CARD REMOVED displays).

To operate your modem and data card

- Refer to the documentation supplied with these items

Sending touch tones

Your phone is a 'Touch Tone' phone. Touch Tones are the sounds your phone makes when you press the keys. Touch Tones can be used for many automated phone services such as checking your bank balance and using voice mailbox options.

Your phone refers to Touch Tones as DTMF' (Dual Tone Multi Frequency).

Manually sending touch tones

Pressing the keys during a call sends Touch Tones. To do this:

1 Make a call in the usual way (e.g. to your bank's computer phone number).

2 Manually Enter the digits to be sent as Touch tones
   (e.g., your bank account number and password).

Automatically sending touch tones

For automatic sending of Touch Tones, you can store the Touch Tone string within the same Phone Book location as the access phone number. Store a pause (p) or wait (w) character between the phone number and the Touch Tone string.

See "Special characters in stored numbers" on page 26 for details on storing pause and wait characters.

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The following is an example of a number you could store in your phone:

This number contains a phone number (18005551212), a wait character, an access number ('1234'), a wait character, and a password ('3434') - 18005551212w1234w3434

When you recall this number from the Phone Book and press **SEND**, the phone:

- Dials 18005551212 (the phone number), then:

- 'Waits' for you to press **SEND** again. When you do, the phone sends the numbers 1234.

- 'Waits' for you to press **SEND** again, then sends the numbers 3434.

The following example shows storing 'pause' characters as well as 'wait' characters (Note that a 'wait' character must still be included, as shown, to separate the phone number from the following digits):

18005551212w1234p3434

When you recall this number from the Phone Book and press **SEND**, the phone:

- Dials 18005551212 (the phone number), then

  'Waits' for you to press **SEND** again. When you do, the phone sends the numbers 1234. It then:

- Pauses for 2.5 seconds, then sends the numbers 3434.

Note: If the keypad tones have been set to Off, the Touch Tones will still be sent, but you will not hear them.

Pressing **MENU SEND** sends a displayed number as a Touch Tone.

To end the call, press **END** after the phone sends the Touch Tones and has returned to the normal call mode.

Data and Touch Tones

Using the Flash function

Your cellular system may offer a flash function service. This system service lets you accept or make a second call when you already have a call in progress (e.g. set up a conference call), or send other information to the network, such as credit card numbers.

Pressing **SEND** sends a displayed number to the network as a flash, unless it is preceded by a 'p' or 'w'. (In these cases it is sent as a Touch Tone.)

After the phone number has been entered, you can add extra information which is for 'flash' sending to the network.

Contact your service provider for further details

9. Network Services

Availability of network services

The network services available will depend on the model of your phone, the cellular system (AMPS or NAMPS) on which it operates, and the services offered by your cellular service provider.

To be able to use any of the network services, you will need to subscribe to the particular service. The service may not be available in all cellular service provider networks. Please contact your local cellular service provider for further information.

Some services which may be available are listed below and described briefly in this section:

- Calling Line Identification
- Call Waiting
- Message Waiting
- Voicemail
- Digital Messaging Service, which includes Short Message Service and Callback Number Service.

Calling Line Identification

When someone calls you, the phone can display the caller's phone number or name (or a text message), with CALLING flashing.

If the presentation of the caller's identity is restricted by the network, or is withheld by the caller, CALL — CALLER ID BLOCKED or CALL — ID NOT AVAILABLE may be displayed instead.

The caller's name will be displayed if it is sent by the network, or if the number sent matches the number and name stored in your Phone Book.

*Note: If the last seven digits of an incoming caller's
number match the last seven digits of a number
stored in the Phone Book, the phone displays the
stored number/name even if the area code or other
dialing prefix is different.*

The number will be stored in the Received Calls list or
the Missed Calls list, depending on whether you
answer the call or not.

Call Waiting

Call Waiting allows you to be informed of a incoming
call while you already have a call in progress.

When you have a call in progress
and a third party calls you, the
phone can display the caller's
phone number or name (or a text
message), with CALLING flash-
ing.
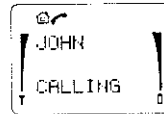
If the presentation of the caller's identity is restricted
by the network, or is withheld by the caller, CALL —
CALLER ID BLOCKED or CALL — ID NOT
AVAILABLE may be displayed instead.

To answer the incoming call:

1 When you get an incoming call alert (eg. if you
   hear a beep, or see the caller's number or name,
   with CALLING flashing), press SEND.

2 The second call will be answered, and the first call
   will be put on hold (the caller's number, if available,
   will be stored in the Received Calls list). To then
   swap between the two calls, press SEND. To end
   the both calls, press END.

The caller's name will be displayed if it is sent by the
network, or if the number sent matches the number
and name stored in your Phone Book

Note If the last seven digits of an incoming caller's

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number match the last seven digits of a number
stored in the Phone Book, the phone displays the
stored number/name even if the area code or other
dialing prefix is different.

Note: If you have a headset connected, press **SEND**
to answer a second incoming call, or to swap calls. If
you press the headset button when a second
incoming call is alerting you will just end the first call.
If the second call then alerts (as a normal incoming
call) you can press the headset button again to
answer the call.

If you don't answer the incoming call, after approxi-
mately 20 seconds the call alert indications will stop
and the caller's number (if available) will be added to
the Missed Calls list.

**To clear the incoming call alert indications
without answering the call:**

- Press any key except **SEND**, **END** or **PWR**.

Message Waiting (Voicemail)

Message Waiting informs you of unheard voice mail
messages in your voice mailbox. The method of noti-
fication varies from one network to another.

If you receive voicemail:

- the voicemail indicator ◯◯ lights,

- NEW VOICE MESSAGE or 'n' NEW VOICE
  MESSAGES may be displayed, indicating the
  number (n) of unread messages,

- the index number may show the number of unread
  messages, and

- a message-received tone may be heard, depend-
  ing on the new-message alert option you choose;
  refer to "Message Alert Tone (Menu 7 3)" on
  page 60.

To listen to your Voice Messages you can do any of

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the following:

- When NEW VOICE MESSAGE or 'n' NEW VOICE MESSAGES is displayed, press **SEND** or **OK**.

- Give the 1 key a long press to quick dial your voicemail access number (if it is stored in Phone Book location 1; see the following Note).

- Enter your voicemail access number, then press **SEND**.

The service may offer voice guidance. You may need to press keys on the phone keypad to access features

Note: To be able to quick dial your voice mailbox with the 1 key:

1 Save your Voice Mailbox Access Number in Phone Book location 1 (see "Saving entries" on page 23).

2 Set the 1-Touch Dialing menu feature to On; for details, refer to "1-Touch Dialing (Menu 3 6)" on page 44.

You only need to do Steps 1 and 2 once (unless, of course, your voice mailbox access number changes).

Digital Message Service (Nokia 282N only)

When you cannot answer calls the caller or switchboard can send you a short message using the Digital Message Service (DMS). The message can be a short text message, a callback number, or a note to say you have voicemail.

When you receive a message:

- the text message indicator ✉ lights.

- the note MESSAGE RECEIVED or 'n' MESSAGES RECEIVED or a callback number may be displayed

Network Services

- the message alert tone may be heard (to stop the long tone, press any key except **PWR** or ∨ or ∧).
- the message is stored automatically in the Messages list.

To read a message when MESSAGE RECEIVED **or 'n' MESSAGES RECEIVED is displayed:**

- Press **OK**, or ∨ or ∧.

  To scroll other stored messages, press ∨ or ∧. When at the bottom of the list, press ∧ to go up the list.

To erase a displayed message:

1 Press **CLR**.

2 When ERASE? is displayed, press **OK**.

To exit the Messages list:

1 Press **CLR** twice.

You can also read and erase messages, and set the Message Alert Tone, using the Messages menu - for details, refer to "Messages (Menu 7)" on page 59 (this menu item is available on the Nokia 282N only).

If the ✉ indicator blinks the Messages List is full of read or unread messages. If 20 messages are already stored, when a new message arrives the oldest is erased automatically.

If the same message is received twice, the most recent message is stored, but the old message is erased from the Messages List.

Short Message Service (SMS)

Callers can send you short pre-defined messages, such as CALL HOME. Contact your local service provider for information.

Callback Number Service

Caller's can send you their callback numbers. Contact your local service provider for information.

Note: If the number received matches a number and name stored in the Phone Book the name will be displayed instead.

To call the number received:

- With the number (and message) displayed, press **SEND**.

Some networks use this feature to send voicemail notification.

10. Accessories

An extensive range of accessories is available for your phone. You can select the accessories that best suit your specific communication needs.

For availability, please check with your local dealer.

A few practical rules for accessory operation:

- Keep the accessories out of small children's reach.

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

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

- Installation of complex car equipment must be completed by qualified personnel only.

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


The chargers and some of the other accessories available for your phone are described in this section. Please refer to your dealer for further information.

Also, refer to any accessory options manual that may have been included in your sales package for the entire line of authentic Nokia Genuine accessories.

Note: When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its life. If left unused, a fully charged battery will discharge itself over time.

BLP-2 Standard Li-ion Battery

The Standard (900mAh) battery, useful as a spare or as a replacement, can be charged separately in the Desktop Charging Stand, or when fitted in the phone (from any of the charging options).
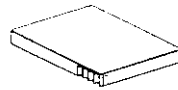
Note: When placing the battery in the Charging Stand or phone, the contacts on the battery must be aligned with the contacts on the Stand or phone.

For charging times and other battery information, see "Fitting and charging the Battery" on page 7.

ACP-7 Standard AC Travel Charger

The Standard AC Travel Charger is an economical and durable charging option.

Plug the charger into a wall out-let, and plug the connector (on the charger lead) into the bot-tom of your phone. Check the charging status on the phone display.
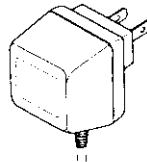
For charging times and other battery information, see "Fitting and charging the Battery" on page 7.

Calls can be made during charging, but charging will stop for the duration of the call and the battery bar scrolling stops.

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Accessories

Note: If the battery is completely discharged, you cannot use the phone until it has enough charge to operate.

The Travel Charger is available for different voltage levels and can also be used with the CGL-2 Desktop Charging Stand.

ACP-9 Rapid AC Travel Charger

The extremely light, functionally designed Rapid AC Travel Charger charges your phone battery quickly.

Plug the charger into a wall outlet and plug the connector (on the charger lead) into the bottom of your phone. Check the charging status on the phone display. Calls can be made while charging.
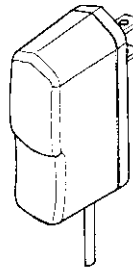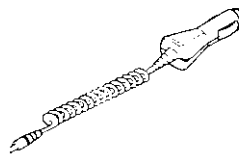
For charging times and other battery information, see "Fitting and charging the Battery" on page 7.

Operating within a voltage range of 100V-240V AC, 50Hz-60Hz*, the Rapid Travel Charger is practically voltage-independent in normal office and household use. The Rapid Travel Charger can be used with the CGL-2 Desktop Charging Stand.
(*Voltage range and operating frequency depend on model and country.)

LCH-9 Rapid Cigarette Lighter Charger

The multivoltage Rapid Cigarette Lighter Charger allows you to charge your phone quickly, from your vehicle battery, when you travel. This small charger's functional design fits well with most car lighters and interiors.

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Charging Times are the same as for the Rapid Travel Charger ACP-9). For charging times and other other battery information, see "Fitting and charging the Battery" on page 7. Calls can be made while charging.

A green light indicates that the Rapid Cigarette Lighter Charger is ready to charge. Check the charging status on the phone display. The input voltage is 12 or 24 V DC, negative grounding.

The Rapid Cigarette Lighter Charger can be used with other accessories available for your phone.

Avoid prolonged charging with the Rapid Cigarette Lighter Charger when the car engine is not running. This may cause the battery of your car to drain.

Note: In some cars the cigarette lighter socket is not provided with power when the ignition is switched off. Verify that the green LED light is lit.

CGL-2 Desktop Charging Stand

The Desktop Charging Stand allows you to mount and charge both your phone and a spare battery.

Plug the charger into a wall outlet and plug the connector (on the charger lead) into the back of the Desktop Charging Stand.

Place your phone and/or a spare battery in the stand to begin charging. When both the phone and a spare battery are fitted, the phone battery is charged first, then the spare battery.

Note: When placing the battery in the Charging Stand (or phone), the contacts on the battery must be aligned with the contacts on the Stand (or phone).

The charging status of the phone battery is shown on the phone display. The charging status of the spare battery is shown on the LED indicator on the stand - it

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Accessories

will be red when charging, and green when charged.

The Desktop Charging Stand can be used with the Standard Travel Charger ACP-7U or the Rapid Travel Charger ACP-9U.

BCP-5 Belt Holster

The Belt Holster allows you to carry your phone, securely and conveniently. Just slide the phone in until it clicks into place. To remove the phone, push it away from the holster.

11. Reference Information

Important Safety Information

Traffic Safety

Do not use a hand-held telephone while driving a vehicle. If using a hand-held phone park the vehicle before conversing.

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

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

Remember, road safety always comes first!

Operating Environment

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

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

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

Electronic Devices

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

Pacemakers

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

Reference Information

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

- Should not carry the phone in a breast pocket;

- Should use the ear opposite the pacemaker to minimize the potential for interference.

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

Hearing Aids

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

Other Medical Devices

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

Vehicles

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

Posted Facilities

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

Potentially Explosive Atmospheres

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

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Reference Information

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

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

Vehicles

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

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

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

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

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

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

Emergency Calls

IMPORTANT!

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

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Reference Information

emergencies)

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

Making an Emergency Call

1 If the phone is not on, switch it on by giving the **PWR** key a long press.

2 Give **CLR** a long press to clear the display

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

4 Press **SEND**.

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

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

Radio Frequency (RF) Signals

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

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

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

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

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

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

Care and Maintenance

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

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

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

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

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

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

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

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

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

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

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

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

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12. Troubleshooting

If the power does not come on or stay on:

- Make sure the battery is properly installed and charged.

- Be sure that the contacts on the battery and the charging stand are clean.

- Battery charge may be too low for operation. Check the display and listen for the low battery warning tones

If the power comes on, but the phone does not work:

- If the phone displays NO SERVICE, you're out of the service area and you can't make calls. You also get this message if you've chosen Home Only in the Carrier Selection menu (Menu 5 2), and you've left your Home system.

- Make sure that the antenna is properly installed and if your phone has an extendable antenna, make sure that the antenna is extended to its full length.

- Check if there is an error message on the display after switching the phone on. If so, contact your local dealer

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13. Technical Information

Weight:	4.27 oz (122g)
Transmitting power:	500mW nominal
Operating voltage:	3.6V dc 12V dc for car kit
Frequency band:	824.040 to 848.970MHz (TX) 869.040 to 893.970MHz (RX)
Number of channels:	823 (NAMPS 2412)
Phone Book capacity:	Up to 75 locations (see *Note*) Up to 32 numeric digits, and 30 letters per location.

Note: The maximum number of Phone Book entries depends on how much information you store in each location.

14. Warranty

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

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

Part No. 9351762

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The information contained in this User Guide was written for
Nokia phone NHA-9NA/NHA-9SA.

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may not be resold, diverted, transferred, or otherwise dis-
posed of in any other country, either in their original form or
after being incorporated through an intermediate process into
other end-items, without the written approval of the U.S.
Department of State.

NOKIA One-Year Limited Warranty

Nokia Mobile Phones, Inc. ("NMPI") warrants that this cellular
phone ("Product") is free from defects in material and work-
manship, according to the following terms and conditions:

1. The limited warranty for the Product extends for ONE (1)
year beginning on the date of purchase of the Product.

2. The limited warranty extends only to the original consumer
purchaser ("Consumer") of the Product and is not assignable
or transferable to any subsequent purchaser/end user.

3. The limited warranty extends only to Consumers who pur-
chase the Product in the United States.

4. During the limited warranty period, NMPI will repair, or
replace, at NMPI's option, any defective parts, or any parts
that will not properly operate for their intended use with new
or factory rebuilt replacement items. No charge will be made
to the Consumer for any such parts. NMPI will also pay for

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the labor charges incurred by NMPI in repairing or replacing the defective parts. The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.

5. Upon request from NMPI, the Consumer must provide information to reasonably prove the date of purchase.

6. The Consumer shall bear the cost of shipping the Product to the Customer Service Department of NMPI. NMPI 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 NMPI, including damage caused by shipping and blown fuses.

b) The Customer Service Department at NMPI was not notified by Consumer of the alleged defect or malfunction of the Product during the applicable limited warranty period.

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

d) The defect or damage was caused by the defective function of the cellular system, or by inadequate signal reception by the external antenna.

8. If a problem develops during the limited warranty period, the Consumer should 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 the Consumer may contact the Customer Service Department at NMPI, at the phone number listed on the bottom of the next page for further instructions.

c) The Consumer shall ship the Product prepaid and insured. 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 shall be responsible for expenses related to reinstallation of the Product.

e) If the Product is returned to the Customer Service Depart-

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Warranty

ment at NMPI during the limited warranty period, but the problem with the Product cannot be fixed 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 the Customer Service Department at NMPI after the expiration of the warranty period, NMPI's normal service policies shall apply and the Consumer will be invoiced for all shipping charges.

9. The Product consists of newly assembled equipment that may contain used components which 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 OF USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING WRITTEN WARRANTY, OTHERWISE, THE FOREGOING WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NMPI SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR A LOSS OF ANTICIPATED BENEFITS OR PROFITS, RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM THE BREACH OF THE WARRANTY EVEN IF NMPI KNEW OF THE LIKELIHOOD OF SUCH DAMAGES.

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

12. NMPI neither assumes nor authorizes any authorized service center or any person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty.

13. Questions concerning this limited warranty may be directed to the Customer Service Department at Nokia, 6200 Courtney Campbell Causeway, Suite 900, Tampa, FL 33607. Tel.: 1-888-NOKIA2U (1-888-665-4228) or (813) 288-3800, Facsimile. (813) 287-6612.

14. The limited warranty period for Nokia Product Corp. supplied attachments and accessories are specifically defined within their own warranty cards and packaging.

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