

Nokia 2272 User Guide

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A copy of the Declaration of Conformity can be found at http://www.nokia.com/phones/declaration_of_conformity/.

CE 168

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

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1 For your safety

Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this manual.



SWITCH OFF WHERE PROHIBITED

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



ROAD SAFETY COMES FIRST

Don't use a handheld phone while driving.



INTERFERENCE

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



SWITCH OFF IN HOSPITALS

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



SWITCH OFF IN AIRCRAFT

Wireless devices can cause interference in aircraft.



SWITCH OFF WHEN REFUELING

Don't use the 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.



USE SENSIBLY

Use only in the normal position. Don't touch the antenna unnecessarily.



QUALIFIED SERVICE

Only qualified personnel may install or repair phone equipment.



ENHANCEMENTS AND BATTERIES

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



WATER-RESISTANCE

Your wireless phone is not water-resistant. Keep it dry.



BACKUP COPIES

Remember to make backup copies of all important data.



CONNECTING TO OTHER DEVICES

When connecting to any other device, read its user guide for detailed safety instructions. Do not connect incompatible products.



CALLING

Ensure the phone is switched on and in service. Fully extend the whip antenna. Enter the phone number, including the area code, and press the talk key. To end a call, press the end key. To answer a call, press the talk key.



EMERGENCY CALLS

Ensure the phone is switched on and in service. Fully extend the whip antenna. Press the end key as many times as needed (for example, to exit a call, to exit a menu) to clear the display. Enter the emergency number, and press the talk key. Give your location. Do not end the call until told to do so.

• QUICK GUIDE

Make a call	Fully extend whip antenna. Enter phone number, press the Send key.
Answer a call	Press the Send key.
Answer a call with call waiting	Press the Send key or Answer .
End a call	Press the End key.
Ignore a call	Press Silence when your phone rings.
Redial	Press the Send key twice.
Adjust call volume	Press the up or down scroll key to increase or decrease volume, while in a call.
Use the in-call menu	While in a call, press the left soft key to select Options .
Use 1-touch dialing	Press and hold any key 2-9, after assigning dialing location.
Save a name and number	Enter a number, press the left soft key to select Options , and select Save . Enter a name and press OK .
Recall a name/number	Press Contacts , and select Search . Enter the first character of the name.
Recall a name/number during a call	Press Options , scroll to New call , press Select , press Search , and enter the first letter of the name to find.
Check voice mail	Press and hold 1 or dial your voice mailbox number.
Send a text message	Press Menu > Messages > Text messages > Create message and select Text . Add recipient's phone number, and press Options . Scroll to Enter text , and press Select . Enter the message text, press Options , and select Send .
Send an e-mail message	Press Menu > Messages > Text messages > Create message > Text . Enter the recipient's e-mail address, press Options . Scroll to Enter text , press Select . Enter the message text, press Options , and select Send .
Read new message	Press Show .
Reply to a message	Press Options , select Reply , and select a reply option. Write the reply, press Options , and select Send .
Reply to an e-mail message	Press Options , select Reply , and select a reply option. Write the reply, press Options , and select Send .
Send a business card (SMS)	Recall a name from the phone book. Press Details > Options > Send bus. card > Via text msg . Enter the recipient's number or press Search to retrieve a number from the phone book. Press OK .

• MENU SHORTCUTS

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10 KEYGUARD¹

1 Menu option may not be visible or the option's location within the phone menu may vary, based on your service provider's requirements.

2 Welcome

Congratulations on the purchase of your Nokia mobile phone. Nokia recommends that you read this chapter before you use your new phone.

• ABOUT YOUR DEVICE

The wireless device described in this guide is approved for use on the CDMA network. Contact your service provider for more information about networks.

When using the features in this device, obey all laws and respect privacy and legitimate rights of others.



Warning! To use any features in this device, other than the alarm clock, the phone must be switched on. Do not switch the device on when wireless phone use may cause interference or danger.

• NETWORK SERVICES

To use the phone you must have service from a wireless service provider. Many of the features in this device depend on features in the wireless network to function. These Network Services may not be available on all networks or you may have to make specific arrangements with your service provider before you can utilize Network Services. Your service provider may need to give you additional instructions for their use and explain what charges will apply. Some networks may have limitations that affect how you can use Network Services. For instance, some networks may not support all language-dependent characters and services.

Your service provider may have requested that certain features be disabled or not activated in your device. If so, they will not appear on your device menu. Contact your service provider for more information.

• SIGN UP WITH A SERVICE PROVIDER

Before you can take advantage of your service provider's network services, you must sign up with a wireless service provider and subscribe to these services. Your service provider will make available descriptions of its services and instructions for using them.

Wireless service providers may differ from each other in certain ways. For example, some networks may not support special language-dependent characters. Contact your service provider regarding your service needs.

• ACCESSIBILITY SOLUTIONS

Nokia is committed to making mobile phones easy to use for all individuals, including those with disabilities. Nokia maintains a Web site that is dedicated to accessibility solutions. For more information about phone features, enhancements, and other Nokia products designed with your needs in mind, please visit the following Web site: www.nokiaaccessibility.com

Your Nokia phone is equipped with a universal 2.5-mm enhancement jack that can be used to connect any "cellular ready" or "cellular compatible" TTY/TDD device cable to your phone.



Important: Once your TTY/TDD device is connected to your phone, you must use the phone menu (**Menu > Settings > Enhancement settings > TTY**) to enable the TTY/TDD mode.

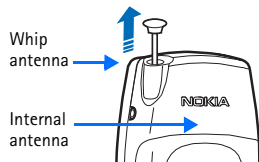
3 About your phone



• ANTENNAS

Your phone has two antennas:

- The internal antenna is always active.
- The whip antenna is active when fully extended.



Note: As with any other radio transmitting device, do not touch either antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed. Avoiding contact with the antenna while in a call optimizes performance and battery life. While in a call, hold the phone to your ear.



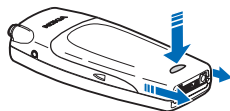
• BATTERY



Warning! Use only the BL-5C battery in this Nokia phone.

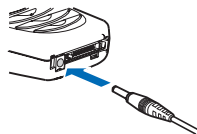
Install

- 1 Remove the back cover.
- 2 Place the battery in the compartment with the label side facing down and the metal contacts aligned with the contact prongs. Snap the battery into place.
- 3 Replace the cover by sliding it upward until you hear a click.



Charge

- 1 Connect the charger to an ac wall outlet.
- 2 Connect the lead from the charger to the charging port located on the bottom of the phone.
- 3 Disconnect the charger from the phone and ac outlet when the indicator stops scrolling.



Note: For best performance, charge the battery for 24 hours before you use the phone. The charging time depends on the charger and battery you use. For example, the charging time for the BL-5C battery with the ACP-8 charger is approximately 4 hours.

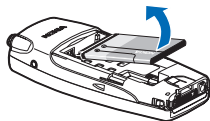


Important: Do not leave the battery connected to a charger for more than 72 hours, since prolonged maintenance charging could shorten its lifetime.

Remove

You will need to remove the existing battery if you want to install a new battery or if you have purchased a spare battery. Make sure the phone has been turned off for 10 seconds.

- 1 Remove the back cover of the phone as shown in the figure on page 12.
- 2 Place your index finger in the space at the bottom of the battery, and press toward the top of the phone.
- 3 Take out the battery.



Warning! Use only your hands to remove the battery. Do not puncture, burn or use any objects that may damage the phone or the battery. Please recycle the battery, or dispose of properly.

RUIM card slot

Your phone has an RUIM card slot built into its mechanics. However, the RUIM card slot is not functional in this phone model. Please avoid placing anything in this slot.

Important battery information

- Recharge your battery only with a charger approved by Nokia.
 - You can switch the phone on and use it for calls while the battery is charging.
 - If the battery is totally empty, it may take a few minutes for the battery indicator to appear on the screen.
 - If you switch the phone on when charging is complete, **Battery full** is displayed momentarily.
 - Charging time depends on the charger and battery used. Please see "Battery information" on page 80, for more information.
 - If the battery has become completely empty, you may need to recharge it for a few minutes before you can make or receive calls.
- **SWITCH PHONE ON OR OFF**

To switch your phone on or off, press and hold the power key (located on the top of the phone) for two seconds.

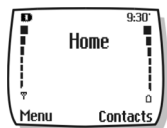


Warning! Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

• THE START SCREEN

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

You can easily return to the start screen from any location (other than an active call) simply by pressing the **End** key.



• THE SOFT KEYS

Note the two soft keys beneath the screen. The function of these keys is determined by the word shown above them on the screen.




For example, pressing the **Left** soft key when **Menu** appears above it shows the first of many menus. Scroll through the menus using the **up scroll** and **down scroll** keys, located in the center of the phone, beneath the screen.


Likewise, pressing the **Right** soft key when **Contacts** appears above it displays the phone book menu.



• KEY FUNCTIONS

The following table contains a summary of how the various keys on your phone work.

Key	Function
	Send: Press the Send key to make a call to the name or number shown on the screen or to answer a call. Pressing this key when not in a call (or when not in the menu or phone book) displays a list of recently dialed numbers.

Key	Function
	End: Press the End key to end a call, to silence the ring from an incoming call, or to exit the phone book or menus completely. Used as Back key in Minibrowser.
0 through 9	Number: Use keys 0–9 to enter numbers and letters. Press and hold 1 to dial your voice mailbox. Press and hold 0 to launch the minibrowser.
#	# key: Press the # key to change case of text, or to enable or disable predictive text input.
*/+	* key: Press the * key to enter special characters (for example, punctuation) or access special characters menu.

• MAKE AND ANSWER CALLS

Use the following table as a quick reference for making and answering calls:

Task	Instructions
Make a call	<ol style="list-style-type: none"> 1 Fully extend the whip antenna. 2 Enter the number using the keypad (include area code as needed). Press the Send key. 3 Hold the phone as you would any other telephone, with the ear piece over your ear and the microphone near your mouth.
Answer a call	When your phone rings, press the Send key.
End a call	Press the End key to terminate the active call.
Reject a call	Press the End key when you do not want to answer a call, but just want to silence the ringer.
Keypad	To avoid accidental calls, press Menu > Keypguard . You can also press Menu , and press the */+ (within three seconds) to lock your keypad. This activates the Keypguard feature.
Unlock keypad	When the keypad is locked, press Unlock , and */+ (within three seconds). This deactivates the Keypguard feature.

• SHARED MEMORY

The following features in this device may share memory: calendar notes, text messages, ringing tones, to-do lists, e-mail and Java applications. When either of these features are used, there is less available memory for the other feature which is also dependent on shared memory. This is especially true with heavy use of some

features. If your use of a feature takes all of the shared memory, your phone may display **Memory full**. To proceed, you must delete some of the information or entries from these features to make additional memory space available.

For example, entering 75 calendar notes may consume significant shared memory. Consequently, if you attempt to download a Java midlet into your phone, a message saying **Memory Full** may appear. To proceed, you must delete some of the items or information occupying the memory.

• HELP SYSTEM

Your phone provides brief descriptions of all menu options. To view any of the help texts:

- 1 Scroll to a menu or submenu option.

After about 15 seconds. A short message appears, describing the option and what it does.

- 2 Use the scroll keys as needed to scroll down through longer descriptions.

Press **Menu > Settings > Phone settings > Help text activation** to turn the phone help system on or off.

• BROWSE PHONE MENU

Your phone menu system displays choices you can make to change settings on your phone or gives you access to various phone features. Your phone has up to 11 menus, plus the Phonebook menu (**Contacts**). Each menu can contain several levels of submenus.

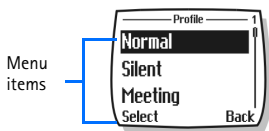
You can use menus and submenus two ways: by scrolling or by using a shortcut.

A **header line** appears at the top of your screen when in the phone book or while navigating the menus. The header line provides you with a reminder of the phone book entry or the menu or submenu with which you are working.

A **scroll bar** appears on the right side of the screen when you scroll through the main menu. A **tab** on the bar gives you a visual indication of your relative position in the menu structure. The **menu number** is located at the top of the scroll bar.

Scroll through menus

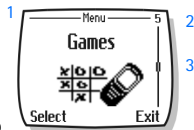
- 1 At the start screen, press **Menu**; and scroll through menus using up and down scroll keys.



- 1 Header line

- 2 Menu number

- 3 Scroll bar with tab



- 2 Press **Options**, **Select**, or **OK**, pressing the soft key for the option you want.
- 3 Use the scroll and soft keys to navigate the submenus; press the **End** key to return to the start screen.

Menu shortcuts

Menus and options are numbered so that you can jump directly to the most frequently used option. The numbers appear in the top right corner of the screen and show your location in the menu.

- 1 Press **Menu**.
- 2 Within three seconds, press **Settings > Time settings > Date**.

• PHONE BOOK MENU

From the start screen, press **Contacts**. The following phone book options are available:

Menu	Menu (cont'd.)
Search	Voice tags
Add new	Playback
Edit name	Change
Delete	Delete
One by one	Own number
Delete all	Caller groups
Add number	Family ^a
Options	Rename group
Scrolling view	Group ringing tone
Name list	Group logo
Name+number	Group members
Memory status	Remove name
1-touch dialing	Add name
View number	VIP
Change	Friends
Delete	Business
	Other

- a. Menu options for VIP, Friends, Business, and Other are identical to Family options.

4 Phone setup

Now that you have had a chance to learn about some of the basic functions and features of your phone, you may want to explore a few options to improve the way you use your phone.

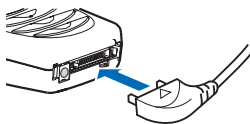
• THE HS-5 HEADSET

Your sales package may include the HS-5 headset. Using the headset offers you convenient, handsfree communications.

Connect the headset

Before using the headset:

- 1 Plug the headset into the jack at the bottom of your phone.
- 2 Wrap the device around your ear.

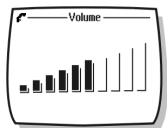


You can use the HS-5 button to answer or end a call, as well as activate voice dialing or voice commands.

You can also use the **Send** and **End** keys to answer and end calls.

Adjust the volume

Change your phone ear piece volume to make the caller's voice louder or softer. Adjustments to the volume can only be made during a call, by pressing the up or down scroll key.

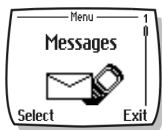


5 Text entry









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

You can enter letters, numbers, and special characters using the phone keypad when working with the phone book, calendar, text messaging, or while browsing the Internet. This section provides detailed instructions for the two text entry methods, that is, traditional text entry and predictive text input.

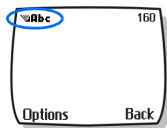


You have four modes available for entering information, based on the type of data you're entering (phone book, organizer notes or text messages):

Mode	The phone shows	Use for
ABC   	sentence or title case (first letter uppercase) all uppercase letters all lowercase letters	Entering contacts, numbers or addresses in phone book Entering notes in Calendar Writing a text message
123 	number entry	Entering numbers
Special characters 	special characters list	Entering punctuation or special characters
Predictive text 	in combination with ABC mode indicators.	Writing SMS text messages or calendar notes

• ABC AND 123 MODES

A status indicator in the upper left corner of your screen indicates the mode you are in whenever you are entering information into your phone book, calendar, or text messaging.



The following table contains a list of the characters displayed when entering text and numbers from your keypad:

Key	Characters	Key	Characters
1	.@?!-,&:'1	7	P Q R S 7
2	A B C 2	8	T U V 8
3	D E F 3	9	W X Y Z 9

Key	Characters	Key	Characters
4	G H I 4	0	Space, 0, return
5	J K L 5	*/+	Special characters menu
6	M N O 6	#	Changes letter case or mode.

Pressing a key repeatedly cycles you through all of that key options. To enter a letter, press the appropriate key repeatedly until the desired letter appears. Continue this process until the word or name is completed.



Note: If the next letter in the word you are entering is on the same key, wait two to three seconds for the cursor to advance, and enter the new letter, or press **0** to advance the cursor.



Important: Phone language settings may affect the characters associated with the phone keypad.

For example: to enter the name "Albert," do the following:

Press	Displayed text
2 for A	A
5-5-5 for l	Al
2 for b	Alb
3-3 for e	Albe
7-7-7 for r	Alber
8 for t	Albert



Note: Default mode is sentence case where the first letter of a name or sentence is automatically capitalized. Phone book default mode is title case where the first letter of each word is capitalized.

OTHER OPTIONS

- **Delete mistakes**—If you make a mistake, press **Clear** to delete one character to the left. Press and hold the **Clear** key to speed up the erasing process.
- **Enter a space**—When you've completed entering a word or name, press **0** to enter a space before the next word.
- **Change letter case**—Press **#** to switch between the various text entry modes or from uppercase and lowercase letters.
- **To start a new line**—Press **0** three times.

Enter numbers

Your phone will switch to 123 mode when entering a number into your phone book or any other purely numeric entry. When in ABC mode, you can insert numbers using any of the following:

- Press and hold the # key for two seconds to switch to 123 mode, and press the desired number keys. Press and hold # again to return to ABC mode.
- Press and hold the desired number key until the number appears on the display.
- Press the desired key repeatedly until the desired number appears.

Enter punctuation and other characters

You can enter punctuation, specials characters, and symbols while writing text messages, entering notes in the organizer, creating phone book entries, or Internet browsing.

You can add punctuation and special characters by these methods:



- Press 1 repeatedly while in ABC mode to cycle through some of the most common punctuation marks and special characters.
- Press * to activate the special characters list. A screen appears displaying the available special characters.
- Use the scroll keys to highlight the desired character, and press **Insert**.



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

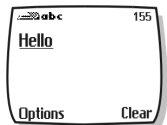
Special characters in phone numbers

You can enter certain special characters as a part of the phone numbers you save to the phone book. Press * repeatedly to cycle through the four special characters available when saving a phone number.

- * Sends command strings to the network. Contact your service provider for more information.
- + Links a 1-touch dialing location to the number currently being entered.
- p Creates a pause that occurs when the phone dials a number. Numbers entered to the right of this special character are automatically sent as touch tones after a 2.5-second pause.
- w Causes the phone to wait for you to press **Send**.

- **WRITE WITH PREDICTIVE TEXT**

Using predictive text input is a quick way to enter text, using a highly compressed database (or dictionary) of common words that tries to anticipate the word as you enter it.



Watching predictive text guess a word can be confusing, disregard the screen until all characters have been entered.

Example: To write "Nokia":


Press	Displayed text
6 for N	O
6 for o	On
5 for k	Onl
4 for i	Onli
2 for a	Nokia

KEYS AND TOOLS FOR PREDICTIVE TEXT

Key	Description
2–9	Text entry. Press each key only once per letter. Press and hold the key to enter the number.
*/+	If the underlined word is not the word you intended, press this key repeatedly until the word you want appears. Press and hold this key to display a list of punctuation and special characters. Press once to accept the word and add a space. Press and hold to enter a zero.
Spell	If the word entered is not recognized, Spell appears above the left soft key. Press Spell , enter the desired word, and press Save .
Clear	Press once to delete the character to the left of the cursor. Press and hold to delete characters faster.
Previous	Press to scroll through previously viewed predictive text matches for a word.
#	Press and hold to enter 123 mode. Enter the desired number, and press and hold again to return to predictive text. Press to switch between sentence case, lowercase, or uppercase modes or to switch to the above modes without predictive text.
1	Press once to add a period. Press */+ repeatedly to view other punctuation marks. Press once to add a punctuation mark that predictive text converts to an apostrophe. Press and hold to enter the numeral 1.

Turn on predictive text input

You can turn on predictive text input from the **Options** menu while writing a text message. Once enabled, predictive text is available to all features that support it.

 in upper left corner of the screen indicates predictive text is active.

ENABLE PREDICTIVE TEXT (QUICK METHOD)

While creating a new text message or calendar note, press and hold the **Options** key for two seconds. The message **T9 prediction on** displays and the English language dictionary is enabled (or the most recently selected dictionary).

ENABLE PREDICTIVE TEXT (AND SELECT DICTIONARY)

While creating a new text message:

- 1 Press **Options**, scroll to **Predictive text**, and press **Select**.
- 2 Scroll to the dictionary you want (for example, **English**); and press **Select**.

The message **T9 prediction on** is displayed. The dictionary in the selected language is enabled.

Turn off predictive text input

While creating a new text message, press and hold the **Options** key for two seconds.
OR

- 1 Press **Options**, scroll to **Predictive text**, and press **Select**.
- 2 Scroll to **Prediction off**, and press **Select**.

• TIPS FOR PREDICTIVE TEXT

Check a word

When you have finished writing a word, and the word is correct as shown:

- Press **0** to confirm the word and enter a space, and continue by writing the next word.

OR

- Insert a punctuation mark; and press **0** for a new sentence.

If the displayed word is not correct:

- Press ***/+** repeatedly until the word you want appears.
- Press **0** to confirm your choice and continue.

OR

- Press **Options**, scroll to **Matches**, and press **Select**. Scroll to the correct word and press **Use**.
- Press **0** to confirm the word and enter a space.

ADD A WORD TO THE DICTIONARY

When your word is not in the dictionary, the **Left** soft key becomes **Spell**.

- 1 Select **Spell** and enter the word using standard text entry.
- 2 Press **Save** to insert the correct word and save it to the dictionary.

INSERT NUMBERS AND SYMBOLS

The procedure for entering numbers with predictive text and standard text entry is the same. Please see "Enter numbers" on page 21.

The procedure for entering symbols with predictive text and standard text entry is the same. Please see "Enter punctuation and other characters" on page 21.

WRITE COMPOUND WORDS

- 1 Write the first part of the compound word; and press the down scroll key to accept that part.
- 2 Write the last part of the compound word.
- 3 Press **0** to enter the word.

6 Phone book



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

You can save up to 250 entries in your phone book. Phone memory can store multiple numbers for each name (home, business, mobile, etc.), as well as text information (postal address, e-mail address, or note).



Note: The amount of detail stored for each entry may affect the total number of entries available.

• SAVE CONTACTS AND NUMBERS

There are several ways to save contacts and numbers in your phone book. Instructions for the two most common ways are as follows:



SAVE A NUMBER AND NAME (PHONE BOOK MENU)

- 1 Press **Contacts**.
- 2 Scroll to **Add new** and press **Select**.
- 3 Enter the name and press **OK**.
- 4 Enter the area code (as necessary) and phone number; and press **OK**.

SAVE A NUMBER AND NAME (QUICK SAVE)

- 1 Enter the phone number using the keypad.
- 2 Press the left soft key twice (**Options > Save**).
- 3 Enter a name and press **OK**.
- 4 Press **Done** to return to the start screen.



Tip: Press and hold the **Options** soft key for two seconds after entering the number to store the number only.

• RECALL CONTACTS AND NUMBERS

There are several ways to recall phone book entries. Once you locate the desired name and number from the phone book, you can perform any of the following tasks: call the number, edit or add information to the selected phone book entry, or delete the entry.

- Press the scroll keys to display the list of phone book entries.
- Press repeatedly to scroll through the list of contacts.
- Press **Contacts**, select **Search**, enter the first few letters of the entry, and press **Search**.



Tip: When viewing the list of contacts, enter the first few letters of the desired entry. The phone book automatically jumps to that section of the phone book.

• PHONE BOOK MENUS

The phone book has several menu options from which you can choose. These options appear when you press **Contacts**. Use the scroll keys to scroll to the option you want.

Option	Function
Search	Search for a specific phone book entry
Add new	Add a new contact to your phone book
Edit name	Edit the name of a phone book entry
Delete	Delete phone book entries one by one or all at once
Add number	Add a phone number to an existing contact
Options	Displays a list of phone book options, including phone book memory status and scrolling view
1-touch dialing	Assign phone book entries to any of the eight speed dialing locations
Voice tags	Create and manage voice tags for voice dialing
Own number	Display your phone numbers
Caller groups	Organize phone book entries into groups and categories and assign special ringing tones and graphics to the group

Display the phone book

Your phone book information can be displayed in two different ways:

- **Name list**—Entries displayed as a list of contacts
- **Name+number**—Name and default number displayed

When viewing the phone book, use the up or down scroll keys to scroll through the phone book entries.

Change the phone book view

- 1 Press **Contacts**, scroll to **Options**, and press **Select**.
- 2 Select **Scrolling view**, and scroll to the view option you want.
- 3 Press **OK** to confirm your choice.

• EDIT A NAME OR NUMBER

You can edit a phone book entry at any time.

- 1 Locate the phone book entry you wish to edit.
- 2 Press **Details** > **Options**.
- 3 Scroll to **Edit name** or **Edit number** and press **Select**.
- 4 Edit the name or number, and press **OK**.

• ADD A NUMBER TO A PHONE BOOK ENTRY

There are several ways to add additional numbers to an existing phone book entry. Phone memory can store up to two numbers per entry.

Once you choose to add a number, you can assign one of the following *number types* for the additional numbers: **General**, **Mobile**, **Home**, **Work**, or **Fax**.

From the phone book

- 1 Press **Contacts**, scroll to **Add number**, and press **Select**.
- 2 Scroll to the entry you wish to modify, and press **Add number**.
- 3 Scroll to the type of number you are adding (**General**, **Mobile**, **Home**, **Work**, or **Fax**), and press **Select**.
- 4 Enter the number, and press **OK**.

From the start screen

- 1 Enter the phone number using the keypad, and press **Options**.
- 2 Scroll to **Add to contact**, and press **Select**.
- 3 Scroll to the desired phone book entry, and press **Add number**.
- 4 Scroll to the desired number type, and press **Select**.

By recalling the name

- 1 Locate the phone book entry you wish to edit.
- 2 Press **Details**, and press **Options** again.
- 3 Scroll to **Add number**, and press **Select**.
- 4 Scroll to the desired number type, and press **Select**.
- 5 Enter the number, and press **OK**.

Change the number type

Every time you create a new phone book entry, your phone automatically assigns the **General** number type to the new number. You can use a phone book entry **Options** menu to change the number type for any of the phone numbers. For example, change a number type from **Work** to **Home**.

- 1 Recall the name from the phone book.
- 2 Press **Details**; and scroll to highlight the number you want to modify.
- 3 Press **Options**, scroll to **Change type**, and press **Select**.
- 4 Scroll to the number type you want, and press **Select**.



Important: If you plan on using Nokia PC Suite to synchronize your phone book and your PC PIM (personal information manager) application, make sure all phone numbers are assigned the correct number type. PC Sync uses this information to synchronize contacts correctly between phone and PC.

The primary number

If a phone book entry contains multiple numbers, the number entered when the phone book entry was created is designated as the *primary number*. When you highlight a phone book entry and press the **Send** key, your phone dials the primary number.

Consider designating the number you dial most often (for phone book entries containing multiple numbers per name) as the primary number.

Any phone number can be designated the primary number by following these steps:

- 1 Recall the phone book entry you want to modify.
- 2 Press **Details**; and scroll to the number you want to set as the primary number.
- 3 Press **Options**, scroll to **As primary no.**, and press **Select**.

• DELETE STORED CONTACTS AND NUMBERS

You can delete a number from a phone book entry, delete all details of a contact, or delete the entire contents of your phone book. Once you delete information, it cannot be recovered.

DELETE A NUMBER

- 1 Recall the phone book entry you want to modify.
- 2 Press **Details**; and scroll to the number you want to delete.
- 3 Press **Options**, scroll to **Delete number**, press **Select**, and **OK**.

DELETE ENTIRE PHONE BOOK ENTRY

- 1 Highlight the phone book entry you want to delete, and press **Details**.
- 2 Press **Options**, scroll to **Delete**, and press **Select**.

- 3 Press **OK** to delete the phone book entry (including all details).

DELETE THE ENTIRE PHONE BOOK

- 1 Press **Contacts**, scroll to **Delete**, and press **Select**.
- 2 Scroll to **Delete all**, and press **Select**.
- 3 When you see the message **Are you sure?**, press **OK**.
- 4 Enter your security code, and press **OK**.

For more information on the security code, see "Security code" on page 63.

• ADD OTHER INFORMATION TO A PHONE BOOK ENTRY

Once you have created a contact, you can add an e-mail address, a mailing address, or a note to that contact.



Note: Text information can only be added to existing contacts. For example, you cannot create a new contact with only an e-mail address.

- 1 Recall the phone book entry you want to modify.
- 2 Press **Details**; and press **Options** again.
- 3 Scroll to **Add detail**, and press **Select**.
- 4 Scroll to the type of information you would like to add (**E-mail**, **Street addr.**, etc.), and press **Select**.
- 5 Enter the information, and press **OK**. Press the **End** key to return to the start screen.

• USE CALLER GROUPS

Your phone allows you to group phone book entries with similar attributes into **caller groups**. The five default caller groups are **Family**, **VIP**, **Friends**, **Business**, and **Other**. Each group has two attributes which can be defined by the user: *Rename Group* and *Group Tone*.

Assign phone number to a caller group

- 1 Recall the desired phone book entry, and press **Details**.
- 2 Scroll to the desired phone number, and press **Options**.
- 3 Scroll to **Caller groups**, and press **Select**.
- 4 Scroll to the desired caller group (for example, **Family**), and press **Select**.

Edit caller group options

You can edit various aspects of a caller group.

SETTING A RINGING TONE AND GRAPHIC FOR A CALLER GROUP

- 1 Press **Contacts**.
- 2 Scroll to **Caller groups** and press **Select**.
- 3 Scroll to one of the **caller groups** and press **Select**.
- 4 Scroll to one of the following functions and press **Select**.
 - **Rename group**—Enter the new name for the caller group and press **OK**.
 - **Group ringing tone**—Scroll to the desired tone and press **OK**. **Default** is the tone selected for the currently selected profile.
 - **Group logo**—Choose to turn the group logo on or off for the selected caller group.
 - **Group members**—Press **Select** to view group members. To add or remove a member, press **Options**, and select **Add name** or **Remove name**.



Note: If you selected **Send graphic**, you should enter the recipient's phone number or recall it from the phone book and press **OK**. Check with your service provider for availability of this feature.

• CHECK MEMORY STATUS

You can check the percentage of phone memory that is dedicated to the phone book, that is in use, and the percentage that remains available.

- 1 Press **Contacts**.
- 2 Scroll to **Options**, and press **Select**.
- 3 Scroll to **Memory status** and press **Select**.

7 Call log

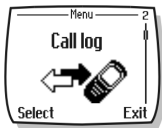


Warning! Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

Your phone keeps a log (record) of call-related information including phone numbers and call times.

Before your phone can log missed or received calls properly:

- 1 You must have a subscription to caller ID service.
- 2 Your phone must be turned on and in a digital service area.
- 3 The caller must not have caller ID blocked.
- 4 Your phone time and date must be set.



Note: If the incoming call has caller ID blocked, the number cannot be recorded in the call log. If you try to view the call log, **No number** is displayed.

• CHECK MISSED, RECEIVED, OR DIALED CALLS

Your phone records information about the 20 most recently missed, received, and dialed calls. To view call log entries:

- 1 Press **Menu** > **Call log** > **Select**, and scroll to the desired call type (**Missed calls**, **Received calls**, or **Dialed numbers**), and press **Select**.
- 2 Use the up and down scroll keys to scroll to the desired call log entry type (missed, received, or dialed calls), and press **Options**.



Note: If the phone number recorded by the call log matches a number stored in your phone book, the name of the phone book entry is displayed.

View call log options

The table below contains a list of options available for all call log entries.

Option	Description
Call time	Shows the time when the call was missed, received or placed
Send message	Allows you to write and send a text message to numbers listed in the call log
View number	Displays the phone number when call log entry matches a number found in your phone book
Use number	Allows you to edit the number shown on the screen
Save	Saves the number in your phone book
Add to contact	Adds the number to an existing phone book entry

Option	Description
Delete	Removes the number from the call log
Call	Redials the displayed number

MISSED CALLS

When you miss calls, **Missed calls** appears on your phone screen along with the number of calls missed.



Important: You are notified of missed calls only if your phone was turned on and you are in a digital service area.



Note: If you chose the **Forward if not answered** option in **Call Forwarding**, your phone handles these forwarded calls as missed calls.

DIALED NUMBERS

You can view the list of dialed calls without having to access the **Call log** menu. From the start screen:

- 1 Press the **Send** key. (The most recently dialed call is displayed).
- 2 Use the scroll keys to view the call log entries.
- 3 Press the **Send** key again to redial the number displayed, or press **Options** to work with the selected call log entry.

• DELETE RECENT CALL LISTS

Your phone **Call log** uses *call lists* to store numbers of incoming, outgoing, and missed calls. Use the **Delete recent call lists** menu to delete the log of phone numbers dialed, received, or missed. The **All** option clears all numbers in all lists, whereas the other options clear only the numbers associated with that list.



Caution! This operation cannot be undone. Clearing the **Dialed numbers** call list clears the list of dialed calls accessed by pressing the **Send** key.

- 1 Press **Menu** > **Call log** > **Delete recent call lists**.
- 2 Use the up or down scroll keys to highlight the desired option: **All**, **Missed**, **Dialed** or **Received**.
- 3 Press **Select** to confirm your selection.

• USE CALL TIMERS

Your phone uses *call timers* to track the amount of time you spend on each call. You can review phone use by checking the call timers.



Important: The actual time invoiced for calls by your service provider may vary, depending upon network features, billing, round-off, and so forth.



Important: Some timers, including the life timer, may be reset during service or software upgrades.

ACCESS THE VARIOUS CALL TIMERS

- 1 Press **Menu** > **Call log** > **Call timers**.
- 2 Use the scroll keys to scroll through the following options:

Option	Description
Duration of last call	Displays elapsed time of the last call you made
Duration of received calls	Displays total time for all incoming calls
Duration of dialed calls	Displays total time for all outgoing calls
Duration of all calls	Displays sum total for all incoming and outgoing calls
Life timer	Shows the time used for all calls for the life of the phone. This option cannot be reset.
Clear timers	Clears (deletes) all call timers except Life timer

• TURN ON A CURRENT CALL TIMER

Your phone can display a call timer showing elapsed time of the current call. When the call is completed, the timer displays the call length.

- 1 Press **Menu** > **Call log** > **Call timers** > **Duration of last call** > **Show call time on display**.
- 2 Press **Select**; and scroll to **On** and press **OK**.



Tip: After a call has ended, press any key on your phone to clear the current call time from the screen.

• CLEAR CALL TIMERS



Caution! This action cannot be undone.



Tip: If using call timers to log the amount of time spent on calls, you may want to record the information from the call timers before you clear them.

- 1 Press **Menu** > **Call log** > **Call timers** > **Clear timers**.
- 2 The **Security code** field appears.
- 3 Enter your security code and press **OK**.

- **DATA/FAX TIMERS (DATA AND MINIBROWSER)**

The call log records and displays the length of digital data/fax calls, as well as meters the amount of data transferred during data/fax calls. The call log also records this same information when you use the minibrowser to access the wireless Internet.



Note: Data/fax timers is a network dependent feature. Contact your service provider for more information on this feature.

Access data-related call timer

- For data/fax call timers, press **Menu > Call log > Data/fax calls**
- For minibrowser call timers, press **Menu > Call log > Minibrowser calls**

Data-related call timer options

The following call timer options are available for data and browser calls:

- **Last sent (or received) data**—amount of data displayed in kilobytes
- **All sent (or received) data**—amount of data displayed in kilobytes
- **Duration of last data/fax call**—length of time spent on last data/fax call.
- **Duration of all data/fax calls**—running total of all calls.
- **Clear all data/fax logs**—clears all timers and data logs.

Minibrowser timer options

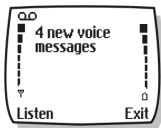
The available options for the minibrowser call timers are similar to those listed above for data/fax calls.

8 Voice mailbox



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

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



Note: Voice mailbox is a network dependent feature. Check with your local service provider to subscribe to and use this feature.

• STORE YOUR VOICE MAILBOX NUMBER

Before you can retrieve voice messages, store your voice mailbox number in your phone:

- 1 Press **Menu** > **Messages** > **Voice messages** > **Voice mailbox number**.
- 2 Enter your voice mailbox phone number, and press **OK**.

Your voice mailbox number can be up to 32 digits long.



Note: If your phone number changes, you may need to re-enter your voice mailbox number.



Tip: You can store your voice mailbox password and/or PIN number as a part of your voice mailbox number. For more information, see "Save as a phone book entry" on page 60.

• SET GREETINGS

Voice greetings may vary in different wireless systems. If you need information about how to record your greeting, contact your service provider.

• LISTEN TO YOUR VOICE MESSAGES



Note: These are various ways to retrieve your voice messages, depending on your service provider. Call your service provider if you have any questions.

LISTEN WHEN NOTIFIED

If your phone plays an alert tone and **New voice message** is displayed, press **Listen** and follow the prompts. If you want to listen to your messages later, press **Exit**.

LISTEN LATER

From the start screen, press and hold **1** for two seconds.

OR

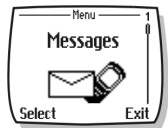
Press **Menu** > **Messages** > **Voice messages** > **Listen to voice messages**.

Calling voice mailbox appears on the screen. Follow the audio prompts from the voice mail system to review your messages.

9 Text messages



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



You can use the **Messages** menu (**Menu 1**) and short message service (SMS) to read, write, and send text messages to another phone in your network. You may also be able to use the minibrowser e-mail feature to send text messages to phones in other networks.



Important: When sending SMS messages, your phone may display **Message Sent** (where service is available). This is an indication that the message has been sent by your phone to the SMS network. This is not an indication that the message has been received at the intended destination. For more details about SMS services, check with your service provider.



Note: This function can be used only if it is supported by your network operator or service provider. Only devices that offer compatible e-mail features can receive and display messages. It may require a separate subscription.

• WRITE A MESSAGE

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

Create and send a message



Important: Use this method when sending a message to recipients in the same wireless network. If the recipient has a different service provider, you may need to send the message as an e-mail (see "Create and send" on page 38).

- 1 From the start screen, press **Menu**, and press **Select**.
- 2 Select **Text messages**, and select **Create message**.
- 3 Scroll to **Add number**, and press **Select**.
- 4 Enter the phone number of the recipient, and press **OK**.

OR

Press **Search**, highlight the desired number stored in your phone book, and press **Select**.

- 5 Press **Options**, scroll to **Enter text**, and press **Select**.

6 Enter your message.



Tip: Since the network limits the number of characters in a message, a character counter appears in the upper right-hand corner of your phone display. This phone supports 160 character SMS messages.

7 To send the message, press **Options**, and select **Send**.

USE OTHER OPTIONS

You may use the following as a shortcut for sending a new text message:

- 1 Enter the recipient's phone number, and press **Options**.
- 2 Scroll to **Send message**, and press **Select**. Continue the creation process as described.

View message options

The table below lists several options available while creating a text message. To view these options, press **Options** at the text entry screen.

Option	Description
Send	Send the current text message to the recipients.
List recipients	Add or removes recipients to the message.
Settings	Mark a message as urgent, to request a delivery receipt or to specify a callback number.
Save message	Save the current message to the desired folder.
Clear screen	Clear the screen of all text and characters.
Exit editor	Return to the Messages menu.
Insert contact	Insert a phone book entry into the text message.
Insert number	Insert a phone book number into the text message.
Use template	Add text from a template to the current message.
Insert picture	Insert a picture into your message. Once a picture has been added, you can change it or delete it from your message.
Insert word, Edit word	Insert a word not found in the dictionary or edit a word then add it to the dictionary.
Predictive text	Enable or disable predictive text entry. Select the desired language of dictionary used.
Matches	Display a list of other options for the word currently displayed by predictive text.

• MESSAGE TEMPLATES

Templates are short, prewritten messages which can be recalled and inserted into new text messages when you're short on time.

- 1 Create a new text message as described in steps 1–5 in the section, "Create and send a message" on page 36.
- 2 Instead of entering your own message, press **Options**, scroll to **Use template**, and press **Select**.
- 3 Scroll to one of the available templates.
- 4 Press **Select** to enter the text into your new message.
- 5 Complete the process to send your message.

You can also create a new message while browsing the **Templates** folder.

- 1 Press **Menu** > **Messages** > **Text messages** > **Templates**.
- 2 Scroll to the desired template, and press **Select**.
- 3 Press **Options**, and select **Edit** to modify the message or **Use number** to select a recipient.
- 4 From the message options list, select **Send** to send your message.

• E-MAIL

You can also use the Messages menu to write and send text messages to a person's Internet or corporate e-mail account or to phones in other networks. If the phone displays **Cannot Send to e-mail recipients**, your message will not be delivered to computer email addresses, but it will be delivered to compatible phones that can receive e-mails.

Create and send

Use the same procedure for creating and sending e-mail messages as found in the section, "Write a message" on page 36. However, select **Add e-mail**, and enter the e-mail address, or press **Search** and recall an e-mail address stored in your phone book.

Messages to phones in other networks

Most service providers now have the ability to route e-mail messages to your phone (appearing as text messages). The following are just a few examples of how your phone e-mail address may appear:

2135551234@myserviceprovider.com
username@serviceprovider.com
2135551234@mobile.myserviceprovider.com


It can be difficult to send messages to phones outside your service provider's network using traditional text messaging. However, it is possible to send a text message as an email to phones outside your service provider's network (provided the recipient's phone is capable of receiving email text messages).

Follow the instructions, "Write a message" on page 36, but select **Add e-mail**. Enter the e-mail address associated with the recipient's phone number (or press **Search** and recall the e-mail address stored in your phone book).



Important: This feature may require subscription to special services. Please check with your service provider for more information and for the e-mail address assigned to your phone.

RECEIVE MESSAGES



When you receive a text message, the  indicator and **Message(s) received** appears on the screen (where # is the number of new messages received).

- 1 Press **Show** to read the message or **Exit** to view it later.
- 2 While reading the message, press **Options** to view the list of message options, and press **Select** to choose the desired option.

READ MESSAGES LATER

- 1 Press **Menu > Messages > Text messages**.
- 2 Scroll to **Inbox**, and press **Select**.
- 3 Scroll to the desired message; and press **Select** to read the message.



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

RESPOND TO A MESSAGE

You have several options when reading a text message. Press **Options** to display the following list of choices:

Option	Description
Delete	Deletes the current message.
Reply	Replies to the current message.
Use number	Captures the phone number in the message (or from the message sender) with the option to Save (as new phone book entry), Add to contact , Send message , or Call .
Save	Saves current message to another folder.
Forward	Forwards current message to another user.
Rename	Renames existing message title as seen in the message list.

Option	Description
Use Web link	Captures the URL in the message and allows you to go directly to that site (through the Minibrowser) or to save it as a bookmark.
Save address	Captures an e-mail address in the message (or the sender of an e-mail text message).



Note: Some of these options may not be visible. For example, **Use Web link** appears only when a URL is present in an SMS message.

• REPLY TO A MESSAGE

You can reply to a text message either by a traditional text message or by an e-mail message. The origin of the message or the sender's wireless network affects how you reply to the incoming message.

SMS

- 1 While viewing a message, press **Options**.
- 2 Scroll to **Reply** and press **Select**.
- 3 Scroll to one of the following reply types and press **Select**:
 - Empty screen**—gives you an empty text buffer
 - Original text**—includes original message in the reply message
 - Template**—allows you to select a template from the **Templates** folder
 - Standard answer templates**—including **See you in**, **See you at**, **Sorry, I can't help you on this.**, **I will be arriving at**, **Please call**, **I'm at home**, **I'm at work**, **I'm in a meeting**.
- 4 After you write your reply, press **Options > Send**.

A copy of all sent messages (up to the memory limit) remain in your **Outbox**, unless you turn this feature off in **Message settings**.

Press **Back** to return to the **Messages** menu or press the **End** key to return to the start screen.

E-mail message

Use the methods described above for replying to SMS messages sent from an e-mail address.



Note: If the incoming e-mail message is improperly formatted, you may be required to re-enter the e-mail address. Press **Options > Add e-mail** to re-enter the e-mail address.

• DELETE MESSAGES

You have several options for erasing individual messages or erasing the contents of an entire folder. You may need to delete older or unwanted messages in order to free up phone memory for new messages.

Delete options

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

All read—deletes all read messages from all folders (unread messages in **Inbox** remain intact).

Inbox—deletes read messages in this folder (unread messages remain intact).

Outbox—deletes all messages in this folder.

Archive—deletes all messages in this folder.

Erase messages in the message folders

- 1 At the start screen, press **Menu** > **Messages** > **Text messages** > **Delete messages**.
- 2 Highlight the folder whose contents you want deleted and press **OK**.
- 3 Enter your security code (if prompted) and press **OK**.

Erase individual text messages

- 1 From the **Inbox**, **Outbox**, or **Archive** folder, highlight the message you wish to delete.
- 2 Press **Options**, scroll to **Delete**, and press **Select**.
- 3 Press **OK** to confirm your choice.

Forward a message

You can forward any incoming text messages, whether they were sent as traditional text messages or as e-mail messages. You can forward a message to a single user or to a list of users.

- 1 While viewing a message, press **Options**.
- 2 Scroll to **Forward** and press **Select**.
- 3 Select **Add e-mail** or **Add number**, and address the message.

For multiple recipients, press **Options** again, and add additional e-mail addresses or phone numbers.

- 4 Press **Options**, scroll to **Send**, and press **OK**.

If you want to edit the forwarded message, select **Edit text** from the options menu prior to sending the message.

View message settings

You can assign several settings to the text messages (new messages, replies, or forwarded messages). The following settings are available from the message **Options** menu:

- **Urgent** sends the message marked *urgent* and appears in recipient's **Inbox** with higher priority than other messages.
- **Deliv. note** lets you know when your message has been delivered.
- **Callback no.** includes your number (or a number that you enter or recall from the phone book) in the body of the message.


ASSIGN MESSAGE OPTIONS

- 1 After entering text, press **Options**, scroll to **Settings**, and press **Select**.
- 2 Scroll to the desired setting, and press **Mark**.
- 3 Press **Done** > **Yes** to save changes to your message.
- 4 Scroll to **Send** > **Select** (or select a different menu option).

Message memory

Messages are stored in the following locations:

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

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

• SETTINGS

Specify several settings that affect the overall way your phone handles text messaging. Use **Menu** > **Messages** > **Text messages** > **Message settings** to configure the following:

- **Sending options**—used to specify normal or urgent priority, request delivery note, or specify that a callback number be sent automatically.
- **Other settings**—used to specify the font size in which messages will be displayed. Also used to configure how your phone automatically handles incoming messages when your **Inbox** or **Outbox** are full, and saves copies of sent messages automatically.

- **FOLDERS**

You have several options for storing and organizing your text messages. The following pages explain further about the various folder options.

Inbox—Text messages you receive remain stored in your **Inbox** until you delete them or move them to the **Archive** folder.

Outbox—Messages that cannot be sent immediately can be saved so you can come back to it later. Your phone stores the message in **Outbox**.

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

You can work with messages saved in the outbox by following these instructions:

- 1 From the **Text messages** menu, scroll to **Outbox**, and press **Select**.
- 2 Scroll to the desired message, and press **Select**.
- 3 Press **Options**, and press **Resend** (or **Edit** if the message was a saved draft).

From this point, you have several options, including:

- Select **Edit message** and continue working with the message.
- Scroll to **Add e-mail**, **Add number**, or **Add list** to add additional recipients.
- Scroll to **Send**, and press **Select** to send the message.

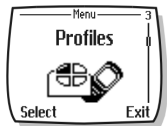
10 Personalization



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

• LEARN ABOUT PROFILES

A *profile* refers to a group of settings you can use to customize the way your phone works. You can use the existing profiles or you can customize a profile to suit your own preferences. Some of the items you can customize are:



- Ringing options and vibrating alert
- Ringing tones and ringing volume
- Keypad and message alert tones
- Warning tones

Your phone comes with five profiles: **Normal** (default setting), **Silent**, **Meeting**, **Outdoor**, and **Pager**.

• SELECT A PROFILE

QUICK METHOD

- 1 Press the power key briefly.
- 2 Use the scroll key to scroll to the profile you want to use.
- 3 Press **Select** to select a profile.

PROFILES MENU METHOD

- 1 Press **Menu** > **Profiles**.
- 2 Scroll to the profile you want to use, and press **Select**.
- 3 Press **Select** again to choose the highlighted profile.

• CUSTOMIZE A PROFILE

- 1 Press **Menu** > **Profiles**.
- 2 Scroll to the profile you want to customize, and press **Select**.
- 3 Scroll to **Customize**, and press **Select**.



The following sections describe each of the options you can customize.

Set ringing options

You can choose the way your phone rings to notify you of incoming calls. This setting does not affect text message alert tones.

- 1 From a profile **Customize** menu, scroll to **Ringling options**, and press **Select**.
- 2 Scroll to one of the ringing options described below, and press **Select**.

Option	Description
Ring	The phone rings normally.
Ascending	Ringling volume increases in volume if the phone is not answered.
Ring once	The phone rings once to indicate an incoming call.
Beep once	The phone beeps once to indicate an incoming call.
Silent	The phone makes no sound.



Important: The **Silent** or **Beep once** ringing option disables any melody you choose. To hear a ringing tone while editing a profile, make sure one of the other ringing options is selected.

Set a ringing tone

A ringing tone is the melody your phone plays when you receive a call. You can set the ringing tone to a specific sound effect or to a melody to personalize how the phone rings. Your phone can store 20 different tones.

- 1 From a profile **Customize** menu, scroll to **Ringling tone**, and press **Select**.
- 2 Scroll through the options and listen; when you hear the ringing tone you want to use, press **Select**.

Set ringing volume

You can set the default ringing volume for incoming voice calls and message alert tones. There are five different levels of volume.

- 1 From a profile **Customize** menu, scroll to **Ringling volume**, and press **Select**.
- 2 Scroll to an option and listen. When you hear the ringing volume you want to use, press **Select**.

• RENAME PROFILES

You can rename any of the profiles except **Normal**. You may want to use your own name for one of the profiles. When you select this profile, your name appears on the start screen.

- 1 Press **Menu > Profiles**.
- 2 Scroll to the desired profile, and press **Select**.
- 3 Select **Customize**, scroll to **Profile name**, and press **Select**.
- 4 Enter the new name and press **OK**.

Select and customize an enhancement profile



Note: You must have an enhancement (such as a TTY/TDD) attached to your phone prior to selecting the **Enhancement settings** menu.

To select and customize profiles for use with the headset, handsfree device (car kit), or TTY/TDD:

- 1 Press **Menu** > **Settings** > **Enhancement settings**.
- 2 Scroll to **Headset** or **TTY/TDD** and press **Select**.

HEADSET

The following options are available. Scroll to the option of your choice and press **Select** to enter the option's submenu and modify its settings.

Default profile—Choose the profile you wish to be automatically activated when your phone is connected to a car kit.

Automatic answer—Calls are answered automatically after one ring when connected to a car kit. Scroll to **On** or **Off** and press **Select**.

TTY/TDD

The **Default profile** and **Automatic answer** options are available. Please refer to "Headset" on page 46, for a description of these options. In addition, the following option is available:

Use loopset—Enable use of the LPS-4 mobile inductive loopset. Scroll to **Yes** or **No** and press **Select**.

• DOWNLOAD A RINGING TONE

Your phone has 35 predefined ringing tones and can store up to 10 new ringing tones (sent from an Internet Web site as an SMS or created or downloaded using Nokia PC Suite).



Note: Buzzer tones can be sent using SMS.

Once your phone receives a new ringing tone, the phone displays **Ringling tone received**.

- 1 Press **Options**; and choose **Playback**, **Save**, or **Delete**.
- 2 Press **OK**.

If you choose to save the new ringing tone, it becomes part of the ringing tone list available to you when you customize a profile (see "Customize a profile" on page 44).

• SET THE DISPLAY LANGUAGE

You can set your phone to display information in different languages.

Your possible choices are English, Spanish, and French.



Note: Some languages may vary due to regional differences. All of these languages may not be available in your phone.

- 1 Press **Menu** > **Settings** > **Phone settings** > **Language**.
- 2 Scroll to the language you want to use and press **Select**.

• SET THE CLOCK

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

The clock will display the current time and date on the start screen. You can also choose to hide the clock if you prefer. Please see "Display or hide the clock" on page 48.



Note: Your phone also has an alarm clock. See "Alarm clock" on page 68 for more information.

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

Manually set the clock

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

Selecting time format

- 1 Press **Menu** > **Settings** > **Time settings** > **Clock**.
- 2 Scroll to **Time format**, and press **Select**.
- 3 Scroll to either **24-hour** or **am/pm**, and press **Select**.

Allow the network to set the clock

- 1 Press **Menu** > **Settings** > **Time settings** > **Auto-update of date and time**.
- 2 Scroll to **On** (or **Confirm first**), and press **Select**.

Selecting the **On** option will set your phone clock to be automatically updated by your network. Selecting **Confirm first** will prompt the network to ask you if you want the date and time updated before it is updated.



Important: If you use the **Auto-update of date and time** option while outside your digital network, you may be prompted to enter your own time manually (see "Manually set the clock" on page 47). Network time will replace the time and date you set once you re-enter your digital network.



Note: If your battery has been removed or has drained outside the digital network, you may be prompted to enter your own time (once the battery is replaced or recharged, and you are still outside of the digital network).

Display or hide the clock

- 1 Press **Menu** > **Settings** > **Time settings** > **Clock**.
- 2 Depending on the current settings, either **Hide clock** or **Show clock** is highlighted.
- 3 Press **Select**.



• VOICE COMMANDS

The voice command feature provides handsfree operation of certain menu options and commands. Just like voice dialing, you must create a voice "tag" for the commands you want to use (please read "Assign a voice tag" on page 56 for detailed information on voice tags). The following table lists menu options for use with voice commands:


Option	Description
Profiles	Switch between Normal , Silent , Meeting , Outdoor , and Pager .
Voice mailbox	Access your voice messages.
Recorder	Start recording a memo.
Call log	Access the Call log menu.

Create a voice tag for a menu option



Important: Please see "Voice tag notes" on page 56, for more information on creating voice tags.

- 1 Press **Menu** > **Voice** > **Voice commands**.
- 2 Scroll to the menu option you wish to tag, and press **Select**.
- 3 Press **Options**, and select **Add command**.
- 4 Press **Start**.
- 5 After the tone sounds, speak the voice tag clearly into the microphone.

The phone replays then saves the recorded tag. The  icon appears next to commands which have voice tags assigned.

Use a voice command



Warning! Do not use voice command in an emergency situation. In emergencies, stress causes changes in your voice, which may keep the phone from recognizing your voice command.

- 1 At the start screen, press and hold **Contacts** for 1–2 seconds.
A tone is heard and **Please speak now** is displayed.
- 2 After the tone, clearly speak the voice tag that you recorded previously into the microphone.

Another option for initiating a voice command is as follows:

- 1 Press the headset button momentarily at the start screen.
The alert tones play through the headset.
- 2 Speak the voice tag into the headset microphone.
The voice tag will playback through the headset to confirm your choice.

Work with voice tags

You can listen to an existing voice tag (in case you forgot what you recorded), rerecord a voice tag, or delete an existing tag.

- 1 Press **Menu > Voice > Voice commands**.
- 2 Scroll to the menu option you wish to tag, and press **Select**.
- 3 Press **Options**; scroll to either **Playback**, **Change**, or **Delete**; and press **Select**.
- 4 If you chose **Change**, press **Start** to record again.
The new tag that is recorded replaces the old information.

11 Advanced features



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



Note: Some in-call options are Network Services features. Contact your service provider for information and availability.

This chapter describes advanced calling features such as conference calling, call waiting, and the use of calling cards for calls. Not all the features described here are available in all wireless network systems.

• IN-CALL OPTIONS

Your phone allows you to use a number of features during a call. These features are known as *in-call options*.

You cannot use all these options at all times. This section tells you when you can use a certain option.

- 1 To access an option during a call, press **Options**.
- 2 Scroll to one of the following options, and press **Select**:

Option	Description
Mute or Unmute	Disables or enables the microphone. If mute has already been selected, End mute is displayed. These options affect any enhancements connected to the phone (headset, car kit).
New call	Initiates a new call while in a call (call-waiting and three-way calling).
End all calls	Ends all active calls (call-waiting or three-way calling).
Touch tones	Manually enters a touch tone string (series of tones) or search for a string in your phone.
Contacts	Views the phone book. Press Back to close the phone book and return to call.
Menu	Displays the main menu.

• USE CALL FORWARDING

When you use *call forwarding*, your network redirects incoming calls to another phone number. Using this feature helps to prevent missing important phone calls.



Important: Call forwarding is a network-dependent feature and may not work the same in all networks. Contact your service provider for availability and for your network's feature codes.

Feature codes

Your network requires separate codes for activating and cancelling the various types of call forwarding. Your service provider can provide you with the necessary feature codes for these network services.

Once you store these feature codes in your phone, they are sent automatically to the network when you select one of the call forwarding options from your phone menu.

Your phone can store the following types of feature codes:

Feature code type	Description
Forward all calls	Forwards all incoming calls to the number you specify
Forward if busy	Forward incoming calls when you are in a call
Forward if not answered	Forwards incoming calls to another number when you are unable to answer
Forward if out of reach	Forwards incoming calls to another number when you are out of the network or when the phone is switched off
Forward all data calls	Forwards all incoming data calls to the number you specify
Cancel all call forwarding	Cancels all call forwarding options you may have set

Store a code

- 1 Press **Menu** > **Settings** > **Network services** > **Network feature setting**.
The **Feature code** field appears after a few seconds.
- 2 Enter the feature code your service provider gave you. For example, *90 for activating **Forward if busy**, and press **OK**.
- 3 Press **Select** when **Call forwarding** is displayed.
- 4 Scroll to the type of forwarding that matches the feature code you entered (for example, **Forward if busy**, and press **Select**).
- 5 Select **Activate**.

The Activate feature code is now stored in your phone, and you are returned to the **Feature code** field. Continue entering other feature codes (for example, *900 to cancel **Forward if busy**), or press the **End** key to return to the start screen.



Important: Once you enter a network feature code successfully, the feature becomes visible in the **Network services** menu.

Activate or cancel call forwarding

After you store the correct feature codes, you can activate or cancel call forwarding as follows:

- 1 Press **Menu** > **Settings** > **Network services** > **Call forwarding**.
- 2 Scroll to the desired call forwarding option, and press **Select**.
- 3 Highlight **Activate** and press **Select**.
- 4 Enter the number to which you want your calls forwarded (or press **Search** to recall a number from the phone book), and press **OK**.

Your phone calls the network to activate or cancel the feature you have requested. The network sends a confirmation when the feature is activated or cancelled successfully.

• CALL WAITING

This network service lets you receive an incoming call when you are already in a call. When you receive an incoming call, your phone displays the caller's phone number (or the caller's entry in your phone book). The phone also beeps, notifying you of the incoming call.

To answer call waiting, press the **Send** key or **Answer** to place the current active call on hold and automatically answer the new call.

To switch between two calls, accepting the waiting call puts the first caller on hold. To put the second caller on hold and reconnect with the first caller, press the **Send** key.

To end an active call, simply allow the other party to hang up; the call on hold then becomes the active call.

• CONFERENCE CALLING

This feature allows you to talk to two people at the same time. Conference calling is a network—dependent feature.



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

- 1 Make a call to the first participant as usual.
- 2 When you are ready to place a call to the next party, press **Options** > **New call**.
- 3 Enter the number and press the **Send** key.

OR

Press **Search** to recall the number from the phone book.

- 4 Press the **Send** key again to connect both parties.
- 5 To end the call, press the **End** key.

This action disconnects both parties.

End calls

To end a conference call, that is, to disconnect with all callers, press the **End** key, or press **Options > End all calls**.

Disconnect one party

If you wish to disconnect with the first party and remain connected to the second party, have the first party terminate the call on his/her end.

• SEND OWN CALLER ID WHEN CALLING

This feature allows you to block caller ID when you call someone (your number will not be displayed on their caller ID). This feature may only be effective when calling a number equipped with caller ID.



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



Important: This feature works on a call-by-call basis. You must enable this feature each time you want to block the sending of your own number to the caller ID.

Store feature codes

Before you can use the **Send own caller ID when calling** feature, you must store the feature codes for activating this feature. Once the code is stored in your phone, it is sent automatically to the network when you select this option from your phone menu.

- 1 Press **Menu > Settings > Network services > Network feature setting**.

The **Feature code** field appears after a few seconds.

- 2 Enter the feature code your service provider gave you (for example, *67 for activating **Send own caller ID when calling**), and press **OK**.
- 3 Scroll to **Send own caller ID when calling** and press **Select**.
- 4 Select **No** to assign the activation code.

Place a call without sending your number

- 1 Press **Menu > Settings > Network services > Send own caller ID when calling**.
- 2 Scroll to **No**, and press **Select**.
- 3 Enter the desired phone number, and press **OK**.

OR

Press **Search** to recall a phone number from the phone book.

The phone automatically inserts the feature code into the dialing string and dials the phone number. The person you are calling cannot see your phone number on their caller ID.

• USE AUTOMATIC REDIAL

There are times when you may not be able to place a call (for example, during to high-traffic volume on the wireless network). When the wireless network is busy or unavailable, **Automatic redial** instructs your phone to retry the call.

ACTIVATE AUTOMATIC REDIAL

1 Press **Menu** > **Settings** > **Call settings** > **Automatic redial**.

2 Scroll to **On** and press **Select**.

If the system is busy, your phone makes three additional call attempts. If you want to stop the automatic redial process before the last attempt, press the **End** key.



Important: This feature does not automatically retry a number when the number you are calling is busy.

• CALLING CARD

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

Save card information

1 Press **Menu** > **Settings** > **Call settings** > **Calling card**.

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

For more information on security codes, see "Security code" on page 63.

3 Scroll to one of the four memory locations, and press **Options**.

4 Scroll to **Edit**, and press **OK**.

5 Select **Dialing sequence**.

Dialing sequence	Use for cards that require you to:
Access number + phone number + card number	Dial the 1-800 access number, phone number, and card number (+ PIN if required).
Access number + card number + phone number	Dial the 1-800 access number, card number (+ PIN if required), and phone number.
Prefix + phone number + card number	Dial the prefix, phone number, and card number (+ PIN if required).

- 6 Scroll to one of the three sequence types and press **Select**.
- 7 Enter the required information (access number or prefix and card number).
- 8 Press **OK** to confirm your entries and press **OK** to save your changes.
- 9 Scroll to **Card name**, press **Select**, enter the card name, and press **OK**.



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

Choose a calling card

Use **Menu > Settings > Call settings > Calling card** to select a calling card to use. You will be required to enter your security code.

Make calling card calls

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

- 1 Enter the phone number, including any prefix (such as 0 or 1) that your calling card may require when you make a calling card call. See your calling card for instructions.
- 2 Press and hold the **Send** key for a few seconds until your phone displays **Card call**.
Your phone displays **Wait for tone, and press OK**.
- 3 When you hear the tone or system message, press **OK**.
- 4 Your phone displays **Wait for tone, press OK again**.
When you hear the tone or system message, press **OK**.

• VOICE DIALING

You can dial up to 25 stored phone book numbers using the voice dialing feature. Before you can place a call using voice dialing, you must first assign a voice tag to the number. Before using voice dialing, note:

- Voice tags are not language—dependent. They are dependent on the speaker's voice.
- Voice tags are sensitive to background noise. Record them and make calls in a quiet environment.
- When recording a voice tag or making a call by saying a voice tag, hold the phone in the normal position near to your ear.
- Very short contacts are not accepted. Use long contacts and avoid similar contacts for different numbers.



Important: You must say the name exactly as you said it when you recorded it. This may be difficult in, for example, a noisy environment or during an emergency, so you should not rely solely upon voice dialing in all circumstances.

Assign a voice tag

You must record a voice tag (up to two seconds) for a phone number before you can use the voice dialing feature to dial it.

PHONE BOOK ENTRY

- 1 At the start screen, scroll to the desired phone book entry, and press **Details**.
- 2 Scroll to the phone number you want to tag and press **Options**.
- 3 Scroll to **Add voice tag** and press **Select**.


The phone displays **Press Start, and speak after the tone**.

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



Note: Your phone informs you if the recording is not successful.

- 5 Press **OK** to try again or **Back** to return to phone book.

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

VOICE TAG NOTES

- The recording process stops automatically; press **Quit** to abort the recording attempt.
- Voice tags are sensitive to background noise. Record tags or use voice dialing in a quiet environment.
- Unique tags are recognized more accurately. Consider using first and last name or first name, last name, and number type when tagging a number.
- Avoid pauses or silence as you record the voice tag.
- If the voice tag memory is full, the phone displays **Delete an existing voice tag?** Press **OK**, scroll to locate a tag to delete, and press **Delete**.
- Deleting a phone number deletes any associated voice tags.



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

Dialing a number using voice dialing



Note: You must say the name exactly as you said it when you recorded it.

- 1 At the start screen, press and hold **Contacts** for two seconds.
A tone is heard and **Please speak now** is displayed.
- 2 After the tone, clearly speak the voice tag that you recorded previously into the

microphone.

If the voice tag is not recognized by the phone or if you fail to speak a tag within three seconds after the tone, the message **Name not recognized** is displayed, and you are returned to the start screen.

3 When the voice tag is recognized,

The phone book entry will be displayed on the screen for three seconds

AND

The voice tag is replayed (through the ear piece).

After three seconds, the number is dialed.

The only other option for initiating voice dialing is to press the headset button momentarily at the start screen. The alert tones play through the headset.

Speak the voice tag into the headset microphone. The voice tag will playback through the headset to confirm your choice.

Voice tags

You can listen to an existing voice tag (in case you forgot what you recorded), rerecord a voice tag, or delete an existing tag.

1 At the start screen, select **Contacts > Voice tags**.

This option displays a list of only those contacts and numbers that have been assigned a voice tag.

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

3 Scroll to either **Playback**, **Change**, or **Delete**.

4 If you choose **Change**, press **Start** to begin rerecording.

The new tag that is recorded replaces the old information.

• 1-TOUCH DIALING

When a phone number is assigned to one of the 1-touch dialing locations (2–9), you can call the phone number in either of the following ways:

- Press the number key that corresponds to a 1-touch dialing location and press the **Send** key.
- Press and hold the number key that corresponds to a 1-touch dialing location until the call is initiated.

The 1 key is preassigned to dial your voice mailbox number and cannot be reassigned.

Assign a number

If you want to assign a number to one of the number keys (2–9), do the following:

- 1 Select **Contacts** > **1-touch dialing**.
- 2 Scroll to the desired number key (2–9), and press **Assign**.
If a phone number is already assigned to a key, the phone book entry name is displayed and the **Left soft** key is **Options**.
- 3 Enter the phone number manually, or press **Search** to locate a phone book entry.
- 4 Select the desired name or entry from the phone book.
- 5 If more than one number is stored for that entry, scroll to the desired number and press **Select**.

Edit assigned numbers

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

- 1 Select **Contacts** > **1-touch dialing**.
- 2 Scroll to a key that is assigned a number, and press **Options**.
- 3 Select **View number**, **Change**, or **Delete**.

• CALLER GROUPS

You can group phone book entries using one of the existing categories (**Family**, **VIP**, **Friends**, **Business**, and **Other**). Each group has its own unique ringing tone and logo.

When you receive a call from a number assigned to a caller group, the ringing tone for that caller group is used, and the caller group's logo is displayed on the screen. This feature can help you identify incoming calls more quickly.

ADD A NUMBER

- 1 At the start screen, scroll to the desired phone book entry, and press **Details**.
- 2 Scroll to the phone number you want to use, and press **Options**.
- 3 Select **Caller groups**.
- 4 Scroll to the desired caller group (for example, **Friends**), and press **Assign**.

A RINGING TONE AND GRAPHIC

- 1 Select **Contacts**.
- 2 Scroll to one of the caller groups, and press **Options**.
- 3 Scroll to one of the following options and press **Select**:

Option	Description
Rename group	Renames the selected caller group.
Group ringing tone	Selects a ringing tone for this group. Scroll through the ringing tones, and press OK .

Option	Description
Group logo	Views, activates, or deactivates the group logo.
Group members	Assigns other phone book entries to the selected caller group.

• TOUCH TONES

Touch tones (sometimes known as DTMF tones) are those tones produced when you press the keys on your phone keypad. You can use touch tones for many automated dial-up services such as banking and airlines or for entering your voice mailbox number and password.

Touch tones are sent during an active call. You can send them manually from your phone keypad, or send them automatically by saving them in your phone.

Set manual options



Note: When fixed dialing is activated, it may still be possible to place a call to the official emergency number programmed into your phone.

You may customize the way your phone sends the touch tones for optimum performance with the system you are calling.

SET TYPE

- 1 Press **Menu** > **Settings** > **Phone settings** > **Touch tones** > **Manual touch tones**.
- 2 Select one of the following options, and press **Select**:

Option	Description
Continuous	Tone sounds for as long as you press and hold a key.
Fixed	Sends tones of the duration you specify in the Touch tone length option.
Off	Turns off tones. No tones are sent when you press a key.

SET FIXED LENGTH

You can specify touch tone length when using the **Fixed** option.

- 1 Press **Menu** > **Settings** > **Phone settings** > **Touch tones** > **Touch tone length**.
- 2 Scroll to **Short** (1/10 second) or **Long** (1/2 second), and press **Select**.

Send manually

Before you begin, make sure that **Manual touch tones** is not set to **Off**.

- 1 During a call to the automated service, select **Options**, scroll to **Touch tones**.
- 2 Enter the touch tone string from your phone keypad as required by the service you are calling, and press **Tones**.

Send from phone book

You can save a touch tone string as a separate phone book entry, and recall and send the string using the in-call menu option **Touch tones**.

SAVE AS A PHONE BOOK ENTRY

Save the touch tone string (including any pause or wait characters that may be required) to a new entry in the phone book. For more information on saving contacts and number to your phone book see "Save contacts and numbers" on page 25.

RECALL FROM THE PHONE BOOK

- 1 During a call to the automated service, select **Options > Touch tones**.
- 2 Press **Search**, scroll to the touch tone string entry in your phone book, and press **OK**.
- 3 Press **Tones** to send the touch tones.

Store with phone number

You can store touch tone strings (for example, voice mailbox number and PIN code) as a part of a phone book entry. Once the string is stored, it is sent automatically (instead of entering the touch tones from the keypad).

- 1 Enter the phone number of the automated service.
- 2 Use the ***/+** key to enter a **w** or **p** after the number.
 - w** (wait)—The phone waits for you to press **Send**. When you press **Send**, the phone sends the touch tone string you have saved.
 - p** (pause)—The phone pauses for 2.5 seconds and automatically sends the touch tone string you've saved.
- 3 Enter the touch tone string after the **w** or **p** characters, as required by the service.
Example: 214-555-1234w1234#p5678#
- 4 Save this phone book entry as you normally would.

Once the touch tone string is stored with the phone number, you can now call the number and have the touch tone strings sent automatically.

• LINK PHONE BOOK ENTRIES

This feature allows you to store a phone number in one phone book location and link it to another phone book entry.

For example, linking the phone number of an automated service (for example, automated banking service) with a touch tone string entry in your phone book (for example, account and PIN numbers) automatically recalls and sends the touch tone string when you call the service.

OPTIONS

- 1 Store the touch tone string into your phone book.
- 2 Assign the phone book entry with the touch tones to a 1-touch dialing location (for example, location 3).

For more information, see "1-touch dialing" on page 57.

- 3 Edit the automated service's phone number by adding $+n$ to the end of the phone number (where n is the 1-touch dialing location).

Example: 214-555-1234+3

- 4 Press **OK** to save your changes.
- 5 Dial the automated service's number from your phone book.

Your phone automatically sends the touch tones when the call connects.



Important: You may need to enter a pause (p) before the + in order to account for delays in the automated system answering your call (for example, 214-555-1234p+3).

• VOICE RECORDER

Voice recorder allows you record audio memos and store them in your phone. Use this feature to record phone numbers and personal memos. Total time available for all memos is three minutes. Maximum length of a single message is one minute, up to 60 seconds.

The maximum number and length of remaining memos depends on how much memory is still available. A countdown timer is displayed while recording and shows remaining record time.



Note: The recorder cannot be used when a data call is active.

Record a memo

- 1 Press **Menu** > **Voice** > **Voice recorder** > **Record**.
- 2 After the tone, begin recording your memo; when you finish recording, press **Stop**.
- 3 Enter the subject of the voice memo, and press **OK**.

OR

Press **Back** (instead of entering a subject) to discard the memo without saving.

Press **OK** without entering a subject to assign the default name (**Recording**) to the memo.

Options

- 1 Press **Menu** > **Voice** > **Voice recorder** > **Recordings list**.
- 2 Scroll through the list of memos, and press **Options**. The following options are

available:

Option	Description
Playback	Plays back the message through the earpiece (phone or headset).
Delete	Deletes selected voice memo.
Edit title	Edits the memo of the subject or renames the memo.
Add alarm / Alarm	Adds (edits or removes) a reminder alarm for the memo.

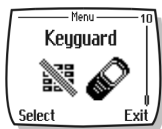
An incoming call interrupts voice memo playback. When the call is complete, the phone returns to the **Options** menu for the selected voice memo.

An incoming call stops voice memo recording. The recorded memo is automatically saved with the default name.

12 Security and System settings



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



Your phone has a variety of security features that help prevent some of the following:

- Placing accidental or unintentional calls
- Unauthorized use of your phone
- Placing and accepting calls from certain phone numbers
- Accidental erasing of information or restoring factory settings


• LOCK KEYPAD (KEYGUARD)

With keypad lock (Keyguard) you can temporarily lock your phone keypad and prevent the accidental placing of calls or pressing of the keypad (for example, when the phone is in your pocket or in your purse).

Press **Menu** > **Keyguard**, to activate Keyguard. You can also press **Menu**, followed by ***/+** (within 3 seconds), to activate Keyguard. It is possible to answer a call, even though Keyguard is activated. Press the **Send** key to answer the call. When the call has ended, the keypad remains locked.

Press **Unlock**, followed by ***/+** (within 3 seconds), to deactivate Keyguard and unlock your phone keypad.



Important:  appears at the top of the display. The left softkey is also labeled **Unlock**.



Important: When the phone is locked, calls may be possible to the emergency number programmed into your phone (for example, 911).

• SECURITY CODE

Your phone prompts you for a five-digit *security code* for certain features and commands. Access is granted only after the correct security code has been entered successfully.

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

You can delete the last entered digit by pressing **Clear** (or by pressing and holding **Clear** to delete all the digits more quickly). Enter the correct code or press **Back** to exit. If you enter an incorrect security code, **Code error** will appear five times in a row, and your phone will not accept any entries for the next five minutes.

Change your security code

- 1 Press **Menu** > **Settings** > **Security settings** > **Access codes** > **Change security code** and press **Select**.
- 2 Enter the existing (or default) security code, and press **OK**.
- 3 Enter the new five-digit security code, and press **OK**.
- 4 Reenter the new five-digit security code for verification, and press **OK**.

Your phone displays the confirmation message **Security code changed**.



Important: If you change your security code and do not remember the new code, contact your service provider. Once you change your security code, the default code is no longer valid.

• PHONE LOCK

This feature protects your phone from unauthorized outgoing calls or unauthorized access to information stored in the phone. When phone lock is activated, **Phone locked** is displayed each time you turn your phone on or off.

After pressing either **Contacts** or **Menu**, you must enter your lock code. Once your lock code has been accepted, your phone will function normally.



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



Important: When the phone is locked, calls may be possible to the emergency number programmed into your phone (for example, 911 or other official emergency number).

Lock code

In addition to a security code, your phone also has a *lock code*. You will need the lock code to activate and deactivate the phone lock feature, or to change your lock code.

The default lock code is 1234. If you enter an incorrect lock code five times in a row, your phone will prompt you for the security code. For more information, see "Security code" on page 63.

CHANGE THE LOCK CODE

- 1 Enter **Menu** > **Settings** > **Security settings** > **Access codes** > **Change lock code** and press **Select**.
- 2 Enter the current (or default) lock code and press **OK**.
- 3 Enter the new lock code and press **OK**.
- 4 Reenter the new lock code for verification, and press **OK**.



Important: When you change your lock code, make sure you store it in a safe place, away from your phone. Avoid entering access codes similar to emergency numbers to prevent accidental emergency calls.

ACTIVATE AND DEACTIVATE PHONE LOCK

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

ANSWER A CALL

Press the **Send** key or **Answer**.

ALLOWED NUMBER

When phone lock is on, the only outgoing calls that can be made are to the following numbers:

- The emergency number programmed into your phone (for example, 911 or other official emergency number).
- The number stored in the **Allowed number when phone locked** location.

Store the unlocked number

- 1 Press **Menu** > **Settings** > **Security settings** > **Access codes** > **Allowed number when phone locked**.
- 2 Enter the lock code and press **OK**.
- 3 Enter the phone number (or press **Search** and recall the number from the phone book), and press **Select**.

Call the allowed number

At the start screen, press up scroll or down scroll key to display the number. Press the **Send** key to place the call.



Important: Phone lock must be activated to use this feature.

• CALL RESTRICTIONS

This feature allows you to restrict incoming and outgoing calls. You can restrict all calls or create a custom list of numbers to restrict.

When you select either **Restrict outgoing calls** or **Restrict incoming calls** from the **Security settings** options, your options are as follows:

- **Select**—Used to display a list of all available restricted numbers. Select those numbers you want to restrict from this screen.
- **Add restriction**—Used to create your own list of restricted numbers.

Once you have added at least one restriction to either the outgoing or incoming calls list, the following options become visible:

- **Edit**—Used to edit an existing outgoing call restriction
- **Delete**—Used to delete call restrictions from the list



Important: When calls are restricted, calls may be possible to the emergency number programmed into your phone (for example, 911).

Add a call restriction

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

- 1 Press **Menu** > **Settings** > **Security settings** > **Call restrictions**.
- 2 Enter the security code and press **OK**.
- 3 Select **Restrict outgoing calls** or **Restrict incoming calls** > **Add restriction**.
- 4 Enter the number string you wish to restrict and press **OK**.

For example:

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

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

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

- 5 Enter a name to identify this restriction, or press **OK**.



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

Select call restrictions

- 1 Press **Menu** > **Settings** > **Security settings** > **Call restrictions**.
- 2 Enter your security code and press **OK**.
- 3 Scroll to **Restrict outgoing calls** or **Restrict incoming calls** and press **Select**.
- 4 Scroll to **Select** and press **Select**.
- 5 Scroll to each restriction you wish to use and press **Mark**.
Press **Unmark** to deactivate existing restrictions.
- 6 Press **Done**, and press **Yes** to save the changes you have made.

Edit call restrictions

You can edit the name or number of an entry in the call restrictions list.

- 1 Press **Menu** > **Settings** > **Security settings** > **Call restrictions**.
- 2 Enter your security code and press **OK**.

- 3 Select **Restrict outgoing calls** or **Restrict incoming calls** > **Edit**.
- 4 Select the restriction you wish to edit.



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

- 5 Edit the number (as needed), and press **OK**.
- 6 Edit the name (as needed), and press **OK**.

Erase call restrictions

You may want to delete a restriction that is no longer needed.

- 1 Press **Menu** > **Settings** > **Security settings** > **Call restrictions**.
- 2 Enter your security code and press **OK**.
- 3 Select **Restrict outgoing calls** or **Restrict incoming calls** > **Delete**.
- 4 Scroll to the restriction you wish to delete, and press **OK**.

• AUTOMATIC UPDATE OF SERVICE

Your phone updates to wireless services sent by your service provider. Use **Menu** > **Settings** > **Call settings** > **Auto-update of service** to turn this feature on or off.

• SYSTEM SELECTION

The **System** menu **Menu** > **Settings** > **System** allows you to customize the way your phone chooses a system in which to operate while you are within or outside of your primary or home system.

Your phone is set to search for the most cost-effective system. If your phone cannot find a preferred system, it selects a system automatically based on the option you choose in the **System** menu.



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

Roaming options

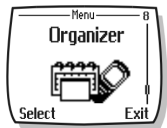
The menu options you see in your phone are based on your service provider's network. Their network determines which options actually appear in the phone menu. The following is a description of the options that may appear in your phone:

Home only—You can make and receive calls in your home area only. While roaming, **No Service** appears, and you cannot make or receive calls.


Automatic—Your phone automatically selects the best available system.

13 Organizer

Your phone has a calendar, alarm clock, stopwatch, and contact database—everything you need in an organizer or personal digital assistant.



• ALARM CLOCK

Your phone alarm clock can be set to sound an alarm at a time you specify. The alarm clock uses the clock time format (12 or 24-hour format). The  icon, displayed on the start screen, indicates that an alarm is set. The alarm clock will work, regardless if the phone is on or off.



Important: The alarm clock works in conjunction with your phone clock. Make sure the time and date are correct before using this feature.

Set the alarm

- 1 Press **Menu** > **Organizer** > **Alarm clock**, and press **Select**.
- 2 Enter the alarm time, and press **OK**.
- 3 Select **am** or **pm**, and press **OK**.

Respond to an alarm

At the time of the alarm, the phone sounds an alert tone, displays an animated message, and flashes its lights.

Press **Stop** or the **End** key to stop the alarm from sounding, and return to the start screen.

ENABLE SNOOZE

- 1 Press **Menu** > **Organizer** > **Alarm clock**, and press **Select**.
- 2 Press the **Snooze** soft key.
- 3 Press any key (except the **End** key or **Stop**).
- 4 Allow the alarm to sound for one minute.

Once snooze is enabled, the alarm will sound again in 10 minutes.

Alarm when phone is off

If the alarm time is reached while the phone is switched off, the phone switches itself on and starts sounding the alarm tone. If you press **Stop**, the phone asks whether you want to activate the phone for calls. Press **No** to switch off the phone or **Yes** to make and receive calls.



Warning! Do not press **Yes** when wireless phone use is prohibited or when it may cause interference or danger.

• CALENDAR



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


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

You can also use the DKU-5 cable in conjunction with Nokia PC Suite to synchronize your PIM application calendar with your phone calendar, keeping you up-to-date when you are away from you office or PC.

Add a note

Predictive text input is available for calendar notes.

- 1 From the day list view, scroll to the desired day and press **Options**.
- 2 Select **Make a note**.
- 3 Scroll to one of the following note types and press **Select**:
 - Meeting**—Enter the note (or select **Search** to recall a name from the phone book) and press **Options**. Select **Save**. Press the time and press **OK**.
 - Call**—Enter the desired phone number. Select **Options**, then select **Save**. Enter a name. Select **Save**. Select **Options**, then enter the time and press **OK**.
 - Birthday**—Enter the person's name (or press **Options** > **Search** to recall it from phone book) and press **OK**. Select **Options** > **Save** and enter date of birth and year (optional). Press **OK**.
 - Memo**—Enter the note. Select **Options** > **Save**. Enter a date for the memo, and press **OK**.
 - Reminder**—Enter the note. Select **Options** > **Save** > **Alarm on, Alarm off**.
- 4 Scroll to the desired alarm option, and press **Select**.

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

NOTE ALARM

The phone flashes its lights, beeps, and displays the note. When a call note is displayed, you can call the number by pressing the **Send** key.

To stop the alarm, press **Exit** or the **End** key.

• CALCULATOR

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



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



Note: This calculator has limited accuracy and is designed for simple calculations.

- 1 From the **Organizer** menu, select **Calculator**.
- 2 Enter the first number in the calculation (press # for decimal point).
- 3 To add, press ***/+** once (+ appears); to subtract, press ***/+** twice (-); to multiply, press ***/+** three times (*); to divide, press ***/+** four times (/).

OR

Select **Options** > **Add, Subtract, Multiply, Divide, Square, or Square root**, and press **Select**.

- 4 Enter the second number.
Repeat steps 3 as many times as necessary.
A subtotal is shown after you enter the next operand (+, -, *, or /).
- 5 For a total, press **Options** twice.
- 6 To start a new calculation, press and hold **Clear** for 2 seconds.



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

• STOPWATCH

You can use your phone **Stopwatch** feature to time an event in hours, minutes and seconds. The event time can be saved, viewed, or deleted.



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



Important: Using the stopwatch or allowing it to run in the background while using other features consumes the battery and the operating time of the phone will be reduced. Be careful not to let it run in the background when performing other operations with your phone.

Split timing

The split time function allows you to measure the total time for an event, yet allows you to capture the elapsed time at various intervals. To measure split time:

From the **Organizer** menu, select **Stopwatch** > **Split timing** > **Start**.

The elapsed time appears on the display.

Once the split timer has started, the following options are available:

- Press **Split** to display the split time while the timer continues to display elapsed time.
- Press **Stop** to stop the timer and view the total elapsed time.

If you continue pressing **Split**, the most recent split time appears at the top of the list of split times. You can scroll to review previous times.

Timing options

Once you have stopped timing an event (using lap or split), you have the option to save the information, reset the stopwatch, or continue timing (split timing only).

While stopwatch is running, press **Stop > Options** and select one of the following:

- **Save** saves the current timing data. Enter a name, and press **OK**.
- **Reset** clears the current timing data and resets the timer.
- **Start** restarts the split timer from the point the timer was stopped.

Lap timing

The lap time function allows you to measure the amount of time it takes to complete a cycle or lap. To measure lap time:

Select **Organizer > Stopwatch > Lap timing > Start**.

The running time appears on the display.

Once the lap timer has started, you can:

- Press **Stop** to stop the timer and view the elapsed time.
- Press **Lap** to display the lap time; the timer restarts from zero.

If you continue pressing **Lap**, the most recent lap time appears at the top of the list of lap times. You can scroll to review previous times.

Press **Stop** to stop the timer. The final lap time is displayed.

Stopwatch options

You can choose the following options from the **Stopwatch** menu:

Option	Description
Continue	Redisplays the active timer (for example, if you receive a call while the timer is still running).
Show last time	Allows you to view the last measured time.
View times	Allows you to view the list of saved times.
Delete times	Allows you to delete the saved times. You can delete the saved times one by one or all at once.



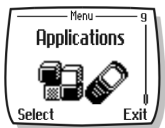
Note: If you receive a call while using the stopwatch, the timer continues running in the background. After ending the call, you can redisplay the timer by doing the following:

Press **Menu > Organizer > Stopwatch > Continue**. Press **Select**.

14 Applications



Important: Your phone must be switched on to use this function. Do not switch the phone on when wireless phone use is prohibited or when it may cause interference or danger. This feature shares memory space with other features. For more information, see "Shared Memory" on page 15.



Note: Applications is a network-dependent feature. Check with your local service provider to subscribe to and use this feature.

This menu allows the management of Java™ applications installed on your phone or downloaded from your PC using Nokia PC Suite. Your phone software may include Java applications designed for your Nokia phone. Some service providers offer other applications via mobile Internet services.

• LAUNCH AN APPLICATION

- 1 Press **Menu** > **Applications** > **Select app.**, scroll to an application (name depends on the application) and press **Options**.
- 2 Select **Open**.

If the selection is a single application it will launch. Otherwise, a list of applications is displayed corresponding to the selected application set. Scroll to the desired application and press **Select**. The application launches.

If an application uses the whole display area, no contacts are displayed. Press one of the soft keys to show the options list. Then select one of the options or press **Back** to continue with the application.

• OPTIONS AVAILABLE FOR APPLICATIONS

- **Delete**—deletes the application or application set from the phone.
- **Check version**—checks if a new version of the application is available for download from the mobile Internet services.
- **Details**—gives additional information about the application.



Note: Check version and Internet link may not be available for all applications.

• DOWNLOAD A NEW APPLICATION

You can use the Internet to download Java applications to your PC; and use the Java installer from PC Suite to download the applications in your phone.



Note: Nokia does not provide any warranty for Nokia applications other than those that belong to Nokia. If you choose to download and install an application, you should take the same precautions, for security or content, as you would with any Internet site. Only install sources that offer adequate protection against harmful software.

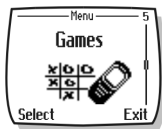
Memory status allows you to view memory that is available for applications. Press **Menu > Applications > Memory**. You will see the amount of **Free memory** and the **Total memory**. This will vary according to the number of applications you have installed.

15 Games



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

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



- In **Snake II**, you feed the snake with as many goodies as possible. The longer the snake's tail grows, the higher your score is.
- In **Space Impact II**, you try to destroy the falling asteroids before they destroy you.
- In **Bumper**, you can play an exciting game of pinball. Increase your score by keeping the ball on the table using the flippers.

Two-way scrolling

Your phone supports two-way scrolling while playing the games:

- Use **2** to scroll **up**. Use **8** to scroll **down**.
- Use **4** to scroll **left**. Use **6** to scroll **right**.

Start a new game

- 1 Press **Menu > Games > Select game**, scroll to the desired game, and press **Select**.
- 2 Choose an option and press **Select**.

Options

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

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

Settings

The following settings are available for all games:

Game sounds—Turns game sound effects **On** or **Off**.

Game lights—Turns screen lights **On** or **Off** during game play only.

Shakes—Turns game vibrating effects **On** or **Off**.



Note: Use of vibration can aggravate injuries. Do not turn vibration on if you have any ailment in the bones or joints of your fingers, hands, wrists, or arms.

16 Your phone and other devices

If interacting with, or connecting to a computer using the DKU-5 serial cable, your phone can exchange information with other desktop and laptop PCs. Your phone can also function as a wireless modem when connected to PCs.



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

• PC CONNECTIVITY

You can make a serial connection between your Nokia phone and compatible PC using the DKU-5 serial cable. This cable is available for purchase as an enhancement or may be included in your sales package. Once your phone and PC are connected, you can access phone information from your PC, or use your phone as a wireless modem for digital data/fax calls.

When your phone is connected to your PC, you can use Nokia PC Suite to:

- Make a backup copy of the data in your phone (Nokia Content Copier).
- Edit phone book contacts and numbers, profiles, and settings using your PC keyboard (Nokia Phone Editor).
- Synchronize your phone book and reminders with personal information manager (PIM) applications such as Microsoft Outlook, Outlook Express, and Lotus Organizer (PC Sync).

Please refer to the document, *Nokia PC Suite User Guide and PC/PDA Connectivity Guide*, for installation and setup instructions.

You can use your Nokia phone as a modem with your laptop computer or handheld device, to access the Internet (for e-mail and Web browsing) or corporate networks.

For more information refer to *Nokia PC Suite User Guide and PC/PDA Connectivity Guide*.

17 Minibrowser



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



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

The **minibrowser** feature allows you to access special Internet content designed specifically for viewing from your mobile phone. The browser menu allows you to save addresses of Web sites as bookmarks, so you can return to your favorite sites quickly and easily.

• BROWSE SESSIONS AND INDICATORS

When you launch the minibrowser, two icons appear on the screen status bar:



Minibrowser icon (you are in a minibrowser session)



Active call icon (you are being billed accordingly)



High-speed data indicator (you are connected to high-speed data network)

The minibrowser disconnects from the network after inactivity. This function minimizes your bill. You may be billed for several network connections in a single session. You can still access pages stored in memory without the connection. If you navigate to a page not stored in memory, a new connection is established and you will be billed accordingly.

A cache is a memory location that is used to store data temporarily. If you have tried to access or have accessed confidential information requiring passwords, empty the cache after each use. The information or services you have accessed are stored in the cache. To empty the cache while in the browser menu, select **Navigate > Advanced > Clear > Cache** from the home page. You can also clear the cache by pressing and holding the power key and powering off your phone.

To close your mobile internet connection while browsing, press and hold the **End** key.

• LAUNCH THE MINIBROWSER

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

1 Select Menu > Minibrowser > Connect.

A message appears, reminding you that you may be billed for the connection time. (You can disable this message. See "Disable minibrowser confirmations" on page 79.)

2 Press Yes.

After a few seconds, the **Home Page** appears. Your menu may vary according to your service provider.

You can also launch the minibrowser by pressing and holding the 0 key from the start screen.

Home Page

1 News

2 Yahoo

3 Weather

4 Finance

5 Web site

To end a minibrowser session, press and hold the **End** key.

• MINIBROWSER MENU

While browsing, press and release the power key to display the **minibrowser** menu:

Reload—Reloads information for current page.

Home—Returns you to the Home page.

Bookmarks—Displays a list of bookmarks you have saved.

Bookmark site—Used to save a bookmark for the current page.

Version—Displays information about the minibrowser software version and developers.

Advanced—Displays several advanced browser options.

Downloads—Views or accesses downloaded ringing tones.

Exit browser—Exits the minibrowser and ends your browsing session.

Switch off!—Turns the phone off.

• NAVIGATE IN THE MINIBROWSER

1 Scroll through the menus and contents of a page.

Press the scroll up or scroll down keys to move through menus or the contents of a page (contents may not fit on one screen). To scroll quickly, press and hold the scroll key.

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

Press the **End** key repeatedly to move back through previously viewed pages until the **Home Page** appears.

OR

Press **⊕** to display the **Minibrowser** menu, scroll to **Home**, and press **OK**.

3 Select or open an item (for example, a link).

Press the appropriate number key on the phone keypad (if the item on the page is numbered),

OR

Scroll to the item, and press the appropriate soft key (for example, to select or open a link).

4 To navigate to different screens or select special functions, use the soft keys.

The function of each soft key can change with each page and depends on each highlighted item.

• LINKS

Links usually appear as items in a numbered list. When activated, a link will take you to another page or site or make a phone call if the sites support this feature. When you make a call, the connection terminates and the page you were viewing is stored in memory. When you end the call, that page is displayed again. To activate a link, highlight the link and press the appropriate soft key. (If the link is a phone number, in some cases, you can also press the talk key to make the call.)

• BOOKMARKS

You can create a bookmark for a page so that you can quickly return to that page later. You may also be able to create bookmarks using your personal account at your service provider's web site.



Note: Your device may have some bookmarks loaded for sites not affiliated with Nokia. Nokia does not warrant or endorse these sites. If you choose to access them, you should take the same precautions for security or contents as you would with any Internet site.

BOOKMARK A PAGE

- 1 Go to the page for which you want to set a bookmark.
- 2 Press the power key to access the minibrowser menu.
- 3 Select **Bookmark page**.

A message may appear asking you to confirm this action.

A BOOKMARKED PAGE

- 1 From the **Home Page**, **Bookmarks > OK**.

A list of your bookmarks appears.

- 2 Scroll to the bookmark you want to use, and press **Select**.




Tip: The first ten bookmarks are assigned to keys 1–0. Press and hold the number associated with the desired bookmark to go to the bookmarked site at any time during a browser session.

• RECEIVE MESSAGES USING THE MINIBROWSER

Depending on your service provider, you may be able to receive text messages through the minibrowser. Unlike SMS text messages, minibrowser messages are not stored in the phone and must be accessed through the minibrowser homepage.

New message alert

When a new minibrowser message is received, the  icon appears in the status bar. Depending on the message priority, you may also hear an alert tone and/or see **New message from** displayed on your screen.

- If you receive the message while browsing, press **View** to read the message or **Skip**, allowing you to view the message later.

- If you receive the message while the phone is idle, press **Connect** to launch the browser and view the message, or press **Back** to return to the start screen.

You can use the **Minibrowser messages** menu **Menu > Messages > Minibrowser messages** to read your messages at a later time.

Message

You can receive minibrowser messages containing Web links. If you receive a message containing a link, select **Use Web link** from the message **Options** menu to open the link and go to the Web site.

You can also receive Web links in standard SMS messages. Selecting **Use Web link** from the message **Options** menu launches the minibrowser and takes you to the link Web site.

• END THE MINIBROWSER SESSION

Press and hold the **End** key.

OR

Press the **Power** key, and select **Exit browser > OK**.

• DISABLE MINIBROWSER CONFIRMATIONS

You can specify whether or not you want your phone to display confirmation messages when you begin or end a browser session.

To modify minibrowser confirmations settings:

- 1 Press **Menu > Settings > Call settings > Minibrowser confirmation**. The following options appear:
 - Both**—Confirmation required before connecting to the Internet, and before you terminate a browser session.
 - None**—No confirmation notes are displayed.
 - On connection**—Phone asks you to confirm your awareness to possible charges incurred for Internet access.
 - On exit**—Phone asks you to confirm your wish to end browsing.
- 2 Scroll to the appropriate option, and press **OK**.
- 3 Press and hold the **End** key to end the minibrowser session without confirmation (regardless of the minibrowser confirmation setting).

18 Reference information

This section provides information about the phone's batteries, enhancements, and chargers.

Be aware that the information in this section is subject to change as the batteries, chargers, and enhancements change.

This phone is intended for use when supplied with power from an ACP-7, ACP-8, ACP-12, or LCH-9 charger. Other usage could invalidate any approval given to this apparatus and may be dangerous.



Warning! When you purchase batteries, chargers, and enhancements for your phone, use *only* batteries, chargers, and enhancements that have received approval from Nokia. The use of any other type may invalidate any approval or warranty applying to the phone, and could also be dangerous. For availability of approved batteries, chargers, and enhancements, check with your service provider.



Note: For information on how to charge and recharge your battery, please see "Charge" on page 12.

• BATTERY INFORMATION



Note: The phone has a lithium ion (Li-Ion) battery. Dispose of batteries according to local regulations (for example, recycling). Do not dispose as household waste.

This section provides information about the phone battery. Be aware that the information in this section is subject to change.

The tables shown in this section provide information about the battery that is available for your phone, charging times with the Standard Travel Charger (ACP-8), the talk and standby times. Consult your service provider for more information.

Charging Times

Charging times for the BL-5C Li-ion Battery (850 mAh) are approximate:

Battery option:	ACP-8
BL-5C Li-ion	3 hrs 50 min

Standby and Talk Times

Mode	Talk time	Standby time
Digital	Up to 3 hrs and 7 min	Up to 14.5 days



Note: Battery talk and standby times are estimates only and depend on signal strength, network conditions, features used, battery age and condition (including the effect of charging habits), temperatures to which battery is exposed, use in digital mode, and many other factors. Please note that the amount of time a phone is used for calls will affect its standby time. Likewise, the amount of time that the phone is turned on and in standby mode will affect its talk time.

Charging and Discharging

Your phone is powered by a rechargeable battery. Note that the full performance of a new battery is achieved only after two or three complete charge and discharge cycles!

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

Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer. Unplug the charger when not in use. Do not leave the battery connected to a charger for longer than 72 hours, since prolonged maintenance charging may shorten its lifetime. If left unused, a fully charged battery will discharge over time.

Temperature extremes can affect the ability of your battery to charge. Battery will not charge at temperatures above 140°F (60°C).

When the battery is fully charged, the indicator will tell you that the battery is fully charged.

When you are not using a charger, disconnect it from the power source. Do not leave the battery connected to a charger for more than 72 hours, since prolonged maintenance charging could shorten its lifetime. If left unused, a fully-charged battery will discharge over time.

Temperature extremes can affect the ability of your battery to charge. Therefore, allow it to cool down or warm up before trying to charge it.

When the battery is running out of power and your phone only has a few minutes of talk time remaining, a warning tone sounds and the **Battery low** message appears briefly. When no more talk time is left, a warning tone is sounded and the phone switches itself off.

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 59°F and 77°F (15°C and 25°C). A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Battery performance is particularly limited in temperatures below freezing.

Do not dispose of batteries in a fire!



Warning! Use only your hands to remove the battery. Do not puncture, burn or use any objects that may damage the phone or the battery. Please recycle the battery, or dispose of properly.

• ENHANCEMENTS

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



A FEW PRACTICAL RULES FOR ENHANCEMENT OPERATION

- Keep all enhancements out of the reach of small children.
- When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.
- Check regularly that any vehicle-installed enhancements are mounted and are operating properly.
- Installation of any complex car enhancements must be made by qualified personnel only.
- Use only batteries, chargers, and enhancements that have been approved by Nokia. The use of any other types could invalidate any approval or warranty applying to the phone and could be dangerous. Refer to "Battery information" on page 80 for important battery usage information.

• CHARGERS AND OTHER ENHANCEMENTS

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from the devices listed on the following pages.



Warning! Use only batteries, chargers, and enhancements approved by Nokia for use with this particular phone model. The use of any other types may invalidate any approval or warranty applying to the phone and may be dangerous.

For availability of approved enhancements, please check with your dealer.

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

Learn about chargers and other enhancements

Be aware that the information about the phone chargers and enhancements found in this section is subject to change as the chargers and enhancements change. Chargers and enhancements described in this section are available for your phone. Contact your dealer for details and refer to the enhancements brochure in your sales package for all Nokia Original enhancements.



Note: When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than 72 hours, since prolonged maintenance charging of the battery could shorten its lifetime. If left unused, a fully charged battery will discharge over time.

- Rapid Travel Charger (ACP-8)
- Travel Charger (ACP-12)
- Rapid Mobile Charger (LCH-9)
- Headset (HS-5)
- Headset (HDB-4)
- Data Cable (DKU-5)
- DCV-15 Desktop charger
- Loopset (LPS-4)
- BHF-1 Basic Car Kit
- Mobile Holder (MBC-17)

• IMPORTANT SAFETY INFORMATION

This section provides additional safety information. A brief overview of safety can be found in the section.

Traffic Safety

Do not use a handheld telephone while driving a vehicle. 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.

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.

Use the phone only in its normal operating positions.

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 at least 6 inches (approximately 15.3 cm) be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers:

- Should always keep the phone more than 6 inches (15.3 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.
- Switch off the phone immediately if you have any reason to suspect that interference is taking place.

HEARING AIDS

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

Other medical devices

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

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (for example, electronic fuel injection systems, electronic antiskid/antilock 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 property and/or bodily injury or even death.

Users are advised to switch off the phone when at a refuelling point (service station). Users are reminded of the need to observe restrictions 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 enhancements.

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.

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

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

Emergency calls



Important: This phone, like any wireless phone, operates using radio signals, wireless, and landline networks as well as user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. Therefore you should never rely solely upon any wireless phone for essential communications (for example, medical emergencies).

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.

Make an Emergency Call

- 1 If the phone is not on, switch it on.
 - 2 Press the **End** key as many times as needed (for example, to exit a call, to exit a menu, etc.) to clear the display and ready the phone for calls.
 - 3 Enter the emergency number for your present location (for example, 911 or any other official emergency number—emergency numbers vary by location).
 - 4 Press the **Talk** key.
 - If certain features are in use, you may first need to turn those features off before you can make an emergency call. Consult this user guide 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 end the call until given permission to do so.
- **CERTIFICATION INFORMATION (SAR)**

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES

Your mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) recommended by international guidelines (ICNIRP). These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit stated in the international guidelines is 2.0 W/kg*. Tests for SAR are conducted using standard operating

positions with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the device.

The highest SAR value for this device when tested for use at the ear is 0.65 W/kg.

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 1.5 cm away from the body. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the product at least 1.5 cm away from your body.

In order to transmit data files or messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

* The SAR limit for mobile devices used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of body tissue. The guidelines incorporate a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band. For SAR information in other regions please look under product information at www.nokia.com.

- **CARE AND MAINTENANCE**

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

- Keep the phone and all its parts and enhancements out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits.
- Do not use or store the phone in dusty, dirty areas. Its moving parts can be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When it warms up (to its normal temperature), moisture can form inside and may damage electronic circuit boards.
- Do not attempt to open the phone except to remove or change front and back covers. Nonexpert handling may damage it.
- Do not drop, knock, or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the phone.
- Do not paint the phone. Paint can clog the 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.

All of the above suggestions apply equally to your phone, battery, charger or any enhancement.

If any of them are not working properly, take them to your nearest qualified service facility.

The personnel there will assist you, and if necessary, arrange for service.

• NOKIA XPRESS-ON™ COLOR COVERS

The Xpress-on cover is available in several fashion colors. Xpress-on covers may be purchased from your authorized Nokia dealer.

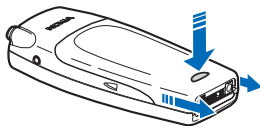


Warning! Before removing the cover, always switch off the power and disconnect the phone from the charger or any other device. Avoid touching electronic components while changing the covers. Always store and use the phone with the covers attached.

REMOVE THE BACK COVER

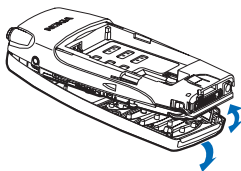
Switch off the power. Disconnect the phone from the charger or any other device.

- 1 Push the release button on the back cover.
- 2 Slide the cover downward and lift off.



REMOVE THE FRONT COVER

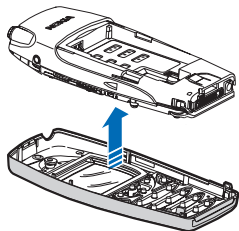
- 1 With the phone face down or up, grab the bottom of the front cover.
- 2 Gently pry the front cover away from the phone and lift the cover off the phone.



Warning! When the front cover is off the phone, be careful not to damage the phone screen face or the rubber gasket around it.

REPLACE THE FRONT COVER

- 1 Align the keypad with the proper openings in the front cover.
- 2 Gently push the front cover into the phone until it clicks into place.



REPLACE THE BACK COVER

- 1 Insert the two catches of the back cover in the corresponding slots in the phone.
- 2 Slide the cover towards the top of the phone until it locks into place.



- **TECHNICAL INFORMATION**

Wireless system	Single Band - CDMA 1900 MHz
Weight	3.49 oz / 99 g
Dimensions	Length: 108.3 mm Width: 49.9 mm Thickness: 21.6 mm
Frequency range	1850.04-1909.92 MHz (TX) 1930.08-1989.96 (MHz (RX)
Battery voltage	3.6v nominal
Charging current	850 mA max with ACP-8 and ACP- 12
Operating temp.	-22°F to + 140°F (-30°C to + 60°C)
Channels	1150 highband
No. of NAMs	2
Memory capacity	Phone book: up to 250 entries with up to 2 numbers and 4 text fields per name Calendar: up to 100 entries
Digital data	circuit-switched data 14.4 kB/s Group 3 packet-switched data (IS-2000) Up to 153.6 kB/s

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