NOKIA 3100 NOKIA 3120

Light Up Your Life

User Guide

Nokia 3100 and Nokia 3120 User Guide

What information is needed?	Numbers	Where is the number?
My number		Wireless service provider
Voice mail number		Wireless service provider
Wireless provider's number		Wireless service provider
Wireless provider's customer care		Wireless service provider
Model number	3100 3100b 3120 3120b	Label on back of phone (under battery)
Phone type number	RH-19 (for 3100 and 3120) RH-50 (for 3100b and 3120b)	Label on back of phone (under battery)
International mobile equipment identity (IMEI)		Label on back of phone (under battery). See "Find information about your phone" on page 7.

LEGAL INFORMATION

$C\epsilon$ 168

DECLARATION OF CONFORMITY

We, NOKIA CORPORATION declare under our sole responsibility that the products RH-12 and RH-28 are in conformity with the provisions of the following Council Directive:1999/5/EC.

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

PART NO. 9235515, ISSUE NO. 1

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

Java is a trademark of Sun Microsystems, Inc.

The information contained in this user guide was written for the Nokia 3100 product and the Nokia 3120 product. Nokia operates a policy of ongoing development. Nokia reserves the right to make changes to any of the products described in this document without prior notice.

EXPORT CONTROLS

This device may contain commodities, technology, or software subject to export laws and regulations from the U.S. and other countries. Diversion contrary to law is prohibited.

FCC/INDUSTRY CANADA NOTICE

Your device may cause TV or radio interference (for example, when using a telephone in close proximity to receiving equipment). The FCC or Industry Canada can require you to stop using your telephone if such interference cannot be eliminated. If you require assistance, contact your local service facility. This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.
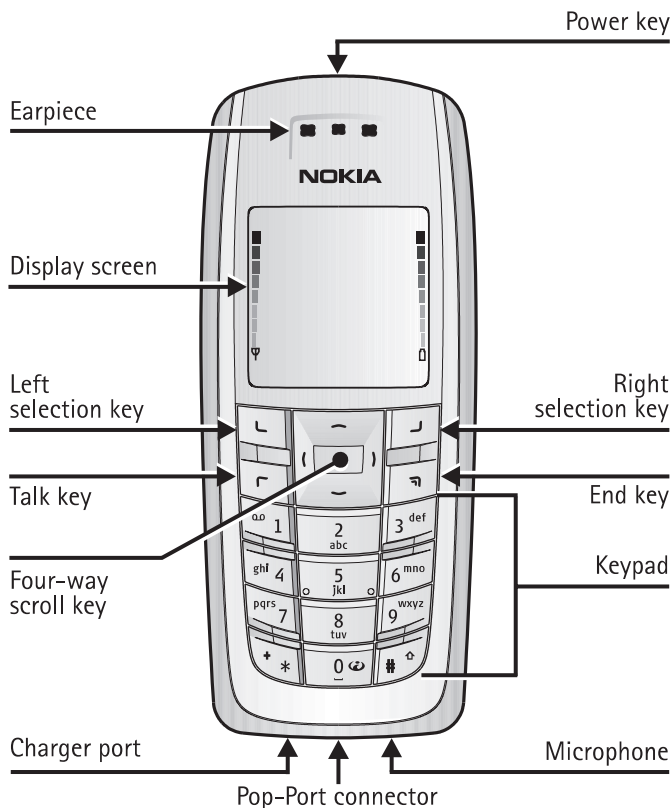
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Your Nokia phone at a glance

Power key

Earpiece

Display screen

Left selection key

Right selection key

Talk key

End key

Four-way scroll key

Keypad

Charger port

Microphone

Pop-Port connector

Quick guide

Press	Press a key briefly and release it.
Press and hold	Press a key, hold it for two to three seconds, and release it.
Make a call	Enter a phone number and press the **Talk** key.
Answer a call	Press the **Talk** key.
Answer call during call	Select **Answer call.**
End a call	Press the **End** key.
Decline a call	Press the **End** key.
Mute a call	Select **Options > Mute** during a call.
Redial	Press the **Talk** key twice.
Adjust call volume	Press the **Scroll left** or **Scroll right** key during a call.
Use the in-call menu	Select **Options** during a call.
Save a name and number	Enter a number, select **Options**, select **Save**, enter a name, and select **OK**.
Use 1-touch dialing	Press and hold a key (**2**–**8**). You must assign a key to a number in **Contacts**.
Look up a name	Press the **Scroll left** or **Scroll right** key**.**
Check voice mail	Press and hold the **1** key (contact your service provider for details).
Write and send text messages	Select **Menu > Messages > Text messages > Create message**. Enter the message and select **Options > Send**. Enter the number and select **OK**.
Write and send multimedia messages	Select **Menu > Messages > Multimedia msgs. > Create message**. Enter the message, select **Options** and select either **Send to number**, **Send to e-mail**, or **Send to many**.
Read new message	If **1 message received** appears on the display, select **Show**.

1   For your safety

Read these simple guidelines. Not following them may be dangerous or illegal.
Read the complete user guide for further information.

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

ROAD SAFETY COMES FIRST
Obey all local laws. Always keep your hands free to operate the vehicle
while driving. Your first consideration while driving should be road safety.

INTERFERENCE
All wireless phones may be susceptible to interference, which could
affect performance.

SWITCH OFF IN HOSPITALS
Follow any restrictions. Switch the phone off near medical equipment.

SWITCH OFF IN AIRCRAFT
Follow any restrictions. 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
Follow any restrictions. Don't use the phone where blasting is in progress.

USE SENSIBLY
Use only in the normal position as explained in the product
documentation. Don't touch the antenna unnecessarily.

QUALIFIED SERVICE
Only qualified personnel may install or repair this product.

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

WATER-RESISTANCE
Your phone is not water-resistant. Keep it dry.

BACKUP COPIES
Remember to make back-up copies or keep a written record of all important information stored in your phone.

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

EMERGENCY CALLS
Ensure the phone is switched on and in service. Press the **End** key as many times as needed to clear the display and return to the main screen. Enter the emergency number, then press the **Talk** key. Give your location. Do not end the call until given permission to do so.

• ABOUT YOUR DEVICE

The wireless device described in this guide is approved for use on the GSM 850, 900, 1800, and 1900 networks:

Nokia 3100 and Nokia 3120 phones	RH-19	900, 1800, and 1900 networks
Nokia 3100b and Nokia 3120b phones	RH-50	850, 1800, and 1900 networks

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.

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• 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.

• SHARED MEMORY

The following features in this phone may share memory: contacts, text and multimedia messages, images and ringing tones in gallery, calendar, to-do notes, and Java™ games and applications. Use of one or more of these features may reduce the memory available for the remaining features sharing memory. For example, saving many images or bookmarks may use all of the available memory. Your phone may display a message that the memory is full when you try to use a shared memory feature. In this case, delete some of the information or entries stored in the shared memory features before continuing. Some of the features, such as, contacts, text and multimedia messages, images and ringing tones in gallery, calendar, to-do notes, and Java games and applications may have a certain amount of memory specially allotted to them in addition to the amount of memory shared with other features.

2   Welcome

Congratulations on your purchase of the Nokia 3100 or Nokia 3120 mobile phone. Your phone provides many functions which are practical for daily use, such as a stopwatch, alarm clock, calculator, calendar, and more. Your phone can also connect to a PC, laptop, or other device using the data cable. To personalize your phone, you can set your favorite ringing tones, create a Go to Menu, and select an Xpress-on™ color cover.

• LOOK FOR UPDATES

From time to time, Nokia updates this guide to reflect changes. The latest version may be available at **www.nokiausa.ca**.

Also, an interactive tutorial may be available at **www.nokiahowto.com**.

• ACCESSIBILITY SOLUTIONS

Nokia is committed to making mobile phones easy to use for all individuals, including those with disabilities. For more information, visit the web site at **www.nokiaaccessibility.com**.

• COPYRIGHT PROTECTION

Copyright protections may prevent some images, ringing tones, and other content from being copied, modified, transferred, or forwarded.

• CONTACT NOKIA

If you ever need to call Nokia Customer Care or your service provider, you will need to provide specific information about your phone.

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Find information about your phone

This information is provided on the phone label. The label is on the back of the phone (under the battery). It contains the model and serial numbers, as well as other important information about your phone. See "Remove the back cover and battery" on page 10 for instructions on how to access the phone label. The label shows the following:

- Phone type (RH-19 or RH-50)
- Phone model (3100, 3100b, 3120, or 3120b)
- International Mobile Equipment Identity (IMEI)
- Industry Canada ID number
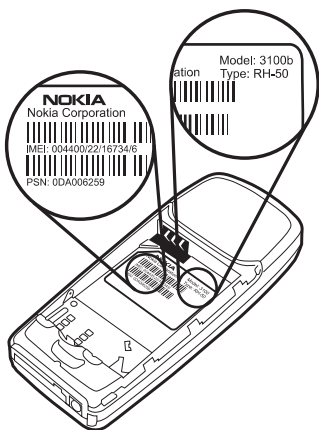
Have the phone or enhancement available

Whether you are calling about your phone or an enhancement, have the equipment with you when you call. If a Nokia representative asks a specific question about the enhancement, you will have it available for quick reference.

Nokia Customer Care Center, USA	Customer Care, Canada

Nokia Mobile Phones
7725 Woodland Center Boulevard, Suite #150
Tampa, Florida 33614
 	
Tel: 1-888-NOKIA-2U
    (1-888-665-4228)
 	
Fax: 1-813-249-9619
For TTY users: 1-800-24-NOKIA
     (1-800-246-6542)
	Nokia Products Ltd.
	601 Westney Rd. South
	Ajax, Ontario L1S 4N7
	
	Tel: 1-905-427-1373
	    1-888-22-NOKIA
	    (1-888-226-6542)
	
	Fax: 1-905-619-4360
	
	Web site: **www.nokia.ca**

Contact your service provider

In many cases, the service provider will make available descriptions of its services and instructions for using features, such as:

- Voice mail and voice privacy
- Call waiting, call forwarding, and caller ID
- Messaging
- News and information services
- Selected Internet services

Service providers may differ in their support of features. Before you sign up with a service provider, make sure that the service provider supports the features that you need.

3 Overview of functions

Certain features use shared memory. See "Shared memory" on page 5 for more information.

- Multimedia Messaging Service (MMS), see "Multimedia messages" on page 35 and "Options" on page 32.

- Speaker phone function, see "Speaker phone" on page 22

- Polyphonic MIDI ringing tones enable richer ringing tones with a wide variety of sounds.

- General Packet Radio Service (GPRS) is used for sending and receiving data over the mobile network. Your phone supports up to three simultaneous GPRS connections. See "GPRS, HSCSD, and CSD" on page 76.

- MIDP Java applications specially designed for mobile phones. See "Applications" on page 68.

- Nokia OTA settings service. Several services need proper settings in your phone. You may receive the settings directly as an Over The Air (OTA) message and you only need to save the settings. Contact your nearest authorized Nokia dealer for more information.

- The built-in browser can interpret both WAP-based and XHTML-based content. See "Services" on page 74.

- Special user interface features allow you to choose two types of menu interface, **List** and **Grid**. See "Menu view" on page 61.

4 SIM card and battery

Before you begin, you need to prepare your phone by installing the SIM card and charging the battery. This chapter covers these topics, as well as instructions on how to attach the optional headset.

• SIM CARD INSTALLATION

> ⚠ **Warning:** Keep all SIM cards out of the reach of small children. For availability and information on using SIM card services, contact your SIM card vendor. This may be the service provider, network operator, or other vendor.

Remove the back cover and battery

1 With the back of the phone facing you, push the back cover release button.

2 Slide and lift the bottom of the back cover to remove.

3 After you have removed the back cover, insert your finger into the finger grip and lift the battery from its compartment.
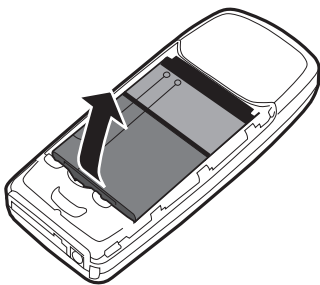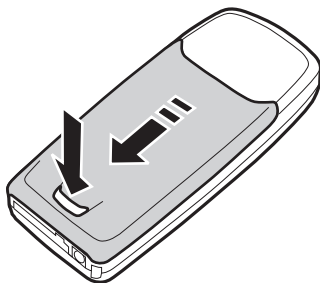
Install the SIM card

The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting, or removing the card.

1 Use a fingernail as a lever to unlatch the metal SIM card holder.
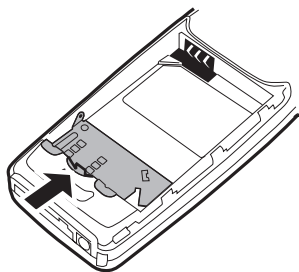
2 Swing the SIM card holder open.
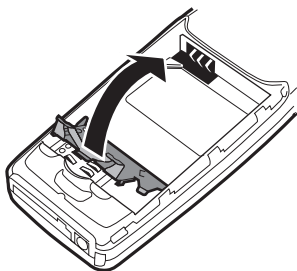
3 Insert the SIM card into the holder as shown, beveled corner first, with the gold colored contacts on the SIM card face up (away from the phone).
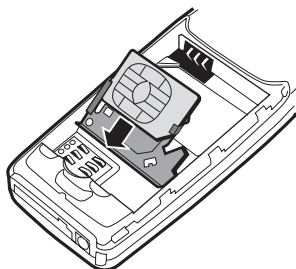
4 Swing the SIM card holder closed. The gold colored contacts on the SIM card will meet the gold colored contacts on the inside of the phone. Gently press the SIM card holder into the phone until it clicks into place.
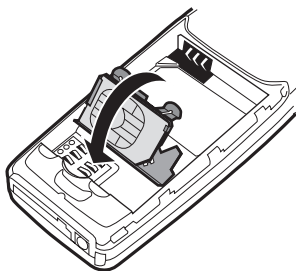
Install the battery

The SIM card must be installed *before* installing the battery.

1 Position the battery so the gold colored contacts match up with those on the phone. The battery label should be facing *toward* the phone.

2 Insert the battery, contact end first into the battery slot.

3 Snap the other end of the battery into place.
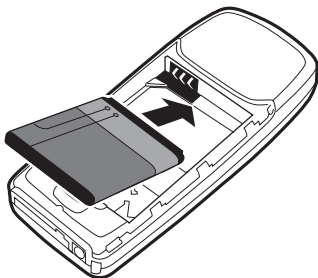
Replace the back cover

1 Place the back cover just below its locked position on the back of the phone.

2 Slide the back cover toward the top of the phone to lock the cover into place.
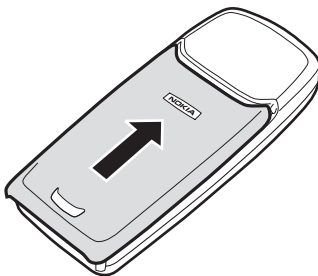
Note: Always store and use the phone with the covers attached.

• CHARGE THE BATTERY

1   Connect the charger to a standard wall outlet.

2   Insert the charger plug into the round jack in the bottom of the phone.

    The battery power indicator (or battery bar) appears on the screen and starts scrolling. If

the phone is on, **Charging** appears briefly on the screen. When the battery bar stops scrolling, the battery charge is complete. **Battery full** appears also, if the phone is on.
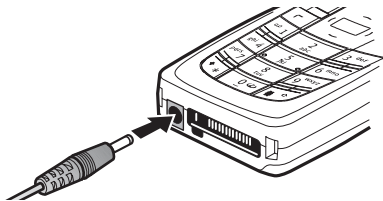
3   Disconnect the charger from the phone.

You can use the phone while the charger is connected.

• SET UP YOUR HEADSET

Your phone may come with a headset you can use while talking on your phone. The headset provides convenient handsfree use of the phone. The HS-5 headset is compatible with your phone.

Connect the headset

1   Insert the headset plug into the headset jack in the phone.

2   Put the round ear bud into one ear.
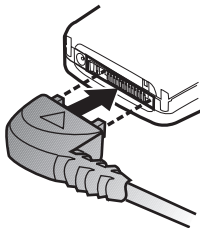
Use the headset

With the headset (HS-5) connected, you can make and answer calls as usual, using the keypad to press the **Talk** key and the **End** key or to enter numbers to call.

The microphone for the headset hangs at the side of your head. Although the microphone may seem far from your mouth, you can speak at a normal volume. Refer to the packaging materials of your headset for further information regarding its operation.

5   About your phone

• IN-PHONE HELP

Many features have brief descriptions (help text) which can be viewed on the display. To view the help text, scroll to a feature and wait for about 15 seconds. Select **More** to view all of the description (if necessary) or select **Back** to exit. See "Help text" on page 60 for more information.

• ABOUT THE ANTENNA

Note: Your phone has a built-in antenna. As with any other radio transmitting device, do *not* touch the antenna unnecessarily when the phone is switched on.

Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Not touching the antenna during a call optimizes the antenna performance and the talk time of your phone. Hold the phone as you would any other telephone, with the antenna area pointed up and over your shoulder.

• START SCREEN

When you turn on your phone, the first screen that appears is the **start** screen. The start screen is "home base" and indicates that the phone is in the standby mode.

Signal strength ——→ ← Battery level

Menu ——→ Menu   Contacts ← Contacts
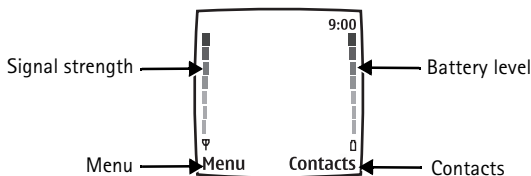
Signal strength—A higher bar indicates a stronger network signal.

Battery level—A higher bar indicates more power in the battery.

Menu—The **Left selection** key in the standby mode accesses the menu functions.

Contacts—The **Right selection** key in the standby mode accesses either the **Contacts** menu, the **Go to** menu, or a service provider's home page.

After you set functions for the **Right selection** key, the word **Contacts** changes to **Go to** in the start screen. To set the functions, see "Personal shortcuts" on page 57. To activate a function in the **Go to** menu, select **Go to** in the start screen, scroll to the desired function, and press **Select**.

• SPECIAL USER INTERFACE FEATURES

You can choose from two types of menu interface: **List** and **Grid**. See "Menu view" on page 61 for more information.

In the **List** interface, full color images introduce every menu. Use the **Scroll up** and **Scroll down** keys to navigate through the menus.
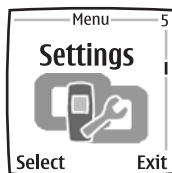
In the **Grid** interface, multiple menu icons appear on a single display. Use all four scroll keys to navigate through the icons. The **Grid** interface is only available in the Nokia 3100b and the Nokia 3120b phones.
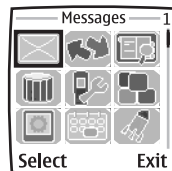
Animated screen savers

Your phone has preinstalled animated, color screen savers that can be accessed from the **Gallery**. See "Screen saver" on page 57 for more information. Press any key to deactivate the screen saver.

Wallpaper

You can set the phone to display a background picture (wallpaper) when it is in the standby mode.

• THE MENU

Your phone offers many functions that are grouped in menus and submenus. Access these menus with the selection keys and scroll keys. See "Your Nokia phone at a glance" on page 1 in the quick guide for the location of the selection keys and scroll keys on your phone.

Scroll bar

While using phone menus, a scroll bar appears at the far right of the screen. This bar indicates where you are in the menu. Each numbered "tab" on the bar represents a different menu item.

For example, press **Menu** once. The scroll bar appears with the first (top) tab displayed. A different tab appears each time you press the **Scroll up** or **Scroll down** key.

• ABOUT INDICATORS AND ICONS

On your phone, you have two types of identifiers: indicators and icons.

Indicators

Indicators show the status of the phone. The phone uses three types of indicators:

- The signal strength indicator shows the strength of the signal to your phone.
- The battery strength indicator shows how much power is left in your phone's battery.
- The volume indicator shows the earpiece volume level. See "Adjust the earpiece volume" on page 22 for details.

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Icons

Icons are graphical representations of a specific item or situation. The following table shows examples and tells you what each icon means.

Icon	What it means
▭	You have one or more text or picture messages. See "Read and reply" on page 33.
▣	You have one or more multimedia messages. See "Read and reply" on page 36.
◯◯	You have one or more voice messages. See "Voice messages" on page 41.
▬0	Your phone keypad is locked. See "Lock the keypad (Keyguard)" on page 26.
⚡	Your phone is set to the **Silent** profile. See "Profiles" on page 54.
⚡	The alarm clock is set to **On**. See "Alarm clock" on page 63.
⏱	The countdown timer is running. See "Countdown timer" on page 71.
⏱	The stopwatch timer is running in the background. See "Stopwatch" on page 72.
G	A GPRS dial-up connection is established. See "GPRS, HSCSD, and CSD" on page 76.
ⓖ	You have an incoming or outgoing call during a GPRS dial-up connection. GPRS is suspended.
➔	**Forward all voice calls**. All calls are forwarded to another number. If you have two phone lines, the indicator for line 1 is **1➔** and for line 2 **2➔**.
⏲	The timed profile is selected. See "Profiles" on page 54.

• CHANGE THE XPRESS-ON™ COVERS

⚠ **Warning:** Before changing covers, ensure the phone is powered off and disconnected from the charger or any other device. Always store and use the phone with the covers attached.

Remove the back cover

This procedure is discussed in the section "Remove the back cover and battery" on page 10. You do not need to remove the battery when changing your phone's covers.

Remove the front cover

1 Pull the front cover latch on the bottom of the phone while gently pulling the top of the front cover away from the rest of the phone.
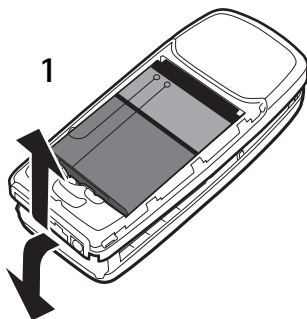
Install the key mat and new front cover

2 Remove the key mat from the old front cover and place it into the new front cover as shown.

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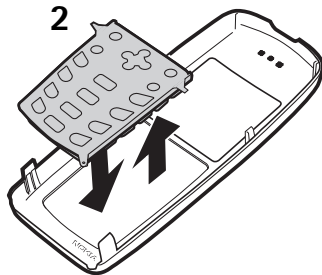
3 Insert the latches from the bottom of the new front cover into the matching holes at the bottom of the phone.

4 Gently push the latches from the middle and bottom of the front cover into the matching holes in the middle and bottom of the phone.

3

4
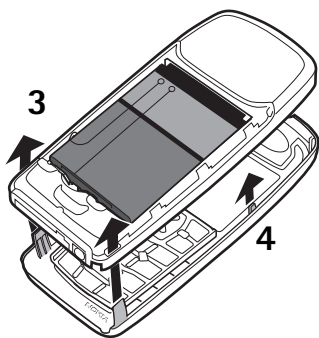
5 Gently snap the cover into place.

5
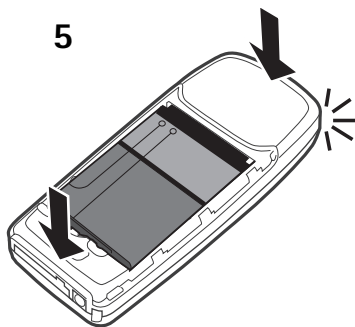
6 Position the back cover over the locking catches on both sides of the phone and slide toward the top of the phone.

6
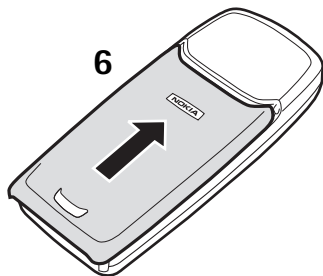
6 Basic operations

• SWITCH THE PHONE ON OR OFF

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

1 To turn your phone on or off, press and hold the power key on top of the phone for at least three seconds.

 If the phone displays **Insert SIM card**, even though the SIM card is properly inserted, or **SIM card not supported**, contact your service provider.

2 If the phone asks for a PIN code, enter the PIN code (displayed as ********) and select **OK**.

3 See the information about PIN codes on page 29, if applicable.

4 If the phone asks for a security code, enter the security code and select **OK**.

 See "Security" on page 62 for more information.
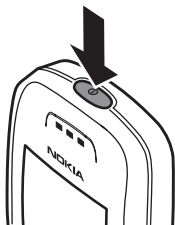
If the language that appears in your display is not correct, see "Set the display language" on page 60 for information on changing the display language.

• SET THE TIME

1 Select **Menu > Settings > Time and date settings > Clock > Set the time**.

2 Enter the time (in *hh:mm* format), select **OK**, then select **am** or **pm**.

• MAKE AND ANSWER CALLS

Use the keypad

Enter the phone number (including the area code) and press the **Talk** key.

• To delete a character to the left of the cursor, select **Clear**.

• To end the call or to cancel the call attempt, press the **End** key.

Use contacts

1 Select **Menu > Contacts > Find** and scroll to the entry you want to view.

2 Press the **Talk** key to make the call or select **Details** to view the entry details.

To search the list of entries quickly, enter the first letter of the name for which you are searching.

Redial the last number

Press the **Talk** key twice.

Make an international call

1 Press the **Star** key twice for the international prefix.

A **Plus** (**+**) sign replaces the international access code.

2 Enter the country code, the area code without a leading zero (if necessary), and the phone number.

Make a conference call

Conference calling is a network service that allows up to six persons to take part in a conference call.

1 Make a call to the first participant.

2 To call a new participant, select **Options > New call**.

3 Enter the phone number of the new participant (or select **Find** to retrieve a number from **Contacts**) and select **Call**.

The first call is put on hold.

4 When the new call picks up, select **Options > Conference** to connect the calls.

5 To add a new participant to the call, repeat steps 2–4.

6 To have a private conversation with one participant, select **Options > Private**, and select the desired participant.

7 Rejoin the conference call as described in step 4.

8 To end the conference call, press the **End** key.

Answer or reject a call

• Press the **Talk** key to answer the call.

• Press the **End** key to reject the call. If **Forward if busy** is activated in your voice mailbox, the call is diverted to your voice mail. If not, the call is rejected.

If you select **Silence**, the ringing tone is muted. You can then either answer or reject the incoming call.

Note: If the HDB-4 or HS-5 headset is connected, you can answer or end a call by pressing the key on the headset.

Answer a call with the keypad locked

To answer a call with the Keyguard on, simply press the **Talk** key. During the call, all features function as normal. When you end or reject the call, the keypad automatically relocks. See "Lock the keypad (Keyguard)" on page 26 for more information.

Note: When the Keyguard is on, calls still may be possible to the official emergency number programmed into your phone. Enter the emergency number and press the **Talk** key.

• OPTIONS DURING A CALL

Many of the options that you can use during a call are Network Services. During a call, select **Options**, then select one of the following:

Hold—Place the current call on hold.

Lock keypad—Lock the keypad to prevent an accidental key press.

Record—Record the call.

End call—End the call.

New call—Place a new call; the first call is put on hold.

Touch tones—Send touch tones generated by your phone keypad.

Contacts—Open **Contacts**.

Menu—Display the main menus.

Mute—Mute your voice (you can hear the other party, but they cannot hear you).

Loudspeaker—Enable the handsfree feature in your phone.

• ADJUST THE EARPIECE VOLUME

- To increase the volume of a call, press the **Scroll right** key.
- To decrease the volume of a call, press the **Scroll left** key.
- When adjusting the volume, a bar chart appears in the display indicating the volume level.
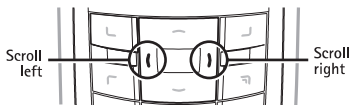
Note: You can only adjust the earpiece volume during an active call.

• SPEAKER PHONE

You can use your phone as a speaker phone during a call. Do not hold the phone to your ear when you are using it as a speaker phone.

- To activate the speaker phone during a call, select **Loudspeaker**.
- To deactivate the speaker phone during a call, select **Handset**.
- The speaker phone is deactivated automatically when a call (or a call attempt) ends or when certain enhancements are connected.

Note: When you select the **New call** option from the in-call menu, the speaker phone does not automatically deactivate.

7 Text entry

You can use two methods for entering text and numbers.

- **Standard mode** is the only way to enter names into **Contacts**, enter a welcome note, and to rename caller groups.

- **Predictive text input** is a quick and easy method for writing messages.

Press the **Pound** key to switch predictive text on or off and to use predictive text in various modes. As you press the **Pound** key, the following icons (not the descriptions) appear in the upper left of the display:

Icon	What it means
✎ **ABC**	Uppercase text. Predictive text is **Off**.
✎ **abc**	Lowercase text. Predictive text is **Off**.
✎ **Abc**	Sentence case text. Predictive text is **Off**.
✎ **Abc**	Sentence case text. Predictive text is **On**.
✎ **abc**	Lowercase text. Predictive text is **On**.

• STANDARD MODE

- Press a key once to insert the first letter on the key, twice for the second letter, etc. If you pause briefly, the last letter in the display is accepted and your phone awaits the next entry.

- Select **Clear** to backspace the cursor and delete a character.

- Select and hold **Clear** to backspace continuously and delete characters.

- Press the **0** key to enter a space and accept a completed word.

- Press the **1** key to enter a period.

- Press the **Star** key to display special characters. See "Enter punctuation and special characters" on page 25.

To switch to **123** mode from **Abc** mode, press and hold the **Pound** key at any message entry screen until the icon in the upper left corner of the display switches from **Abc** to **123** (or vice versa).

• PREDICTIVE TEXT

Predictive text input allows you to write messages quickly using your keypad and the built-in phone dictionary. It is much faster than using the standard mode "multi-tap" method. You can use predictive text to write a message and create a calendar note.

When predictive text is on, the icon ![icon] appears in the upper left corner of the display. When predictive text is off, the icon ![icon] appears in the upper left corner of the display.

Activate predictive text

1   At any text entry screen, select and hold **Options**.

    OR

    At a text entry screen, select **Options > Predictive text**.

2   Select the language of your choice.

Enter text

- For each letter of the word that you want to spell, press the corresponding key on your keypad only *once*, even if the letter you want is not the first letter on the key. The phone "guesses" the word you are trying to spell.

- If a displayed word is not correct, press the **Star** key to see other matches. To move forward through a list of matches, keep pressing the **Star** key. To return to the previous word in the list of matches, select **Previous**.

- Press the **0** key to accept the word, enter a space, and begin writing the next word.

- If **?** appears after a word, select **Spell** to add the word to the dictionary. See "Add new words to the dictionary" on page 24.

- Press the **1** key to insert a period into your message.

- Press and hold the **Star** key to display special characters. See "Enter punctuation and special characters" on page 25.

Compound words

Enter the first part of the word and confirm it by pressing the **Scroll right** key. Enter the last part of the word and confirm it by pressing the **0** key.

Add new words to the dictionary

If you encounter a word that predictive text does not recognize, a question mark (**?**) follows the word and **Spell** appears in the lower left of the display.

Select **Spell**, enter your new word using the keypad, and select **Save**. The word is added to the dictionary and to the message that you are writing.

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Keep these factors in mind when adding words:

- New words that you accept by selecting **Save**, the **0** key, or deleting the space between two words are saved to the dictionary.
- Depending on the language and the length of the words, you may be able to add hundreds of words to the dictionary.
- When the dictionary is full, the most recent addition replaces the first.

• ENTER PUNCTUATION AND SPECIAL CHARACTERS

While at any text entry screen, press the **Star** key to display special characters (press and hold the **Star** key if predictive text is on) or press the **Star** key twice to display the Smiley menu. The following special characters are available if you press the **Star** key once:

.	,	'	?	!	"	-	(	)
@	/	:	_	;	+	&	%	*
=	<	>	£	€	$	¥	¤	[
]	{	}	\	~	^	¡	¿	§
#	ǀ	␣	↵					

The following special characters are available, if you press the **Star** key twice:

:-)	;-)	;-(	:-/	:-ǀ
:-(	:-D	:-x	:-O	:-"
:)	;)	:-P	:-*	:'(
8-)	%-)	;-D	:-[	:-C
:-@	:->	B-)	;>	:-q

Navigate through the list of special characters by using the four-way scroll key like a joystick. Once a character is highlighted, select **Insert** to insert the character into your message.

8   Phone security

• LOCK THE KEYPAD (KEYGUARD)

Keyguard disables your keypad to prevent accidental key presses (for example, when your phone is in your pocket or purse).

- To lock the keys, select **Menu** and press the **Star** key.

- To unlock the keys, select **Unlock** and press the **Star** key.

When the Keyguard is enabled, the keypad and display cannot light if you press a key. Press the power button briefly to activate the keypad and display lights.
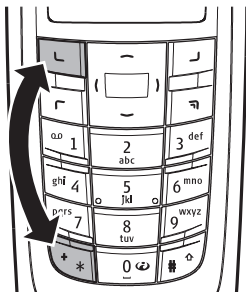
> **Note:** When the Keyguard is on, calls still may be possible to the official emergency number programmed into your phone. Enter the emergency number and press the **Talk** key.

Automatic Keyguard

You can have your phone automatically lock the keys after a time you specify. See "Set automatic Keyguard" on page 60 for more information.

• SECURITY LEVELS

The security level determines your access to features when a nonowner SIM card is used. A nonowner SIM card is one (other than the original) that is inserted after you power off the phone. There are three security levels:

- **Off**—Owner and Nonowner cards are treated the same.

- **Memory**—Nonowner cards can access SIM memory. Any changes to the memory setting requires the security code. The owner card has access to all features, but the security code is required to change a memory setting.

- **Phone**—The security code is required upon power-up.

Use this procedure to set your security level.

1   Select **Menu > Settings > Security settings > Security level**.

  After a brief pause, you are prompted to enter the security code. The default code is 12345.

2   Enter the security code, select **OK**, then select either **Off**, **Memory**, or **Phone**.

• CALL RESTRICTION

This network service lets you restrict the calls your phone can make and receive. Check with your service provider for details. When calls are restricted, calls still may be possible to the official emergency number programmed into your phone.

Turn on call restrictions

1 Select **Menu > Settings > Security settings > Call restrictions**.

2 Select the type of calls you want to restrict. The options are:

Outgoing calls—Calls cannot be made.

International calls—Calls cannot be made to foreign countries.

Int. calls except to home country—Outgoing international calls can only be made to your home country (for example, the country where your home network operator is located).

Incoming calls—Calls cannot be received.

Incoming calls if roaming—Calls cannot be received outside your home area.

Cancel all call restrictions—Turns off all call restrictions. Calls can be made and received in the usual way.

Note: If you selected **Cancel all call restrictions**, the following steps are not available. Also, you can cancel call restrictions on each option, allowing restrictions on other options to stay in force.

3 Scroll to one of the following options:

Activate—Enter the restriction password and select **OK**.

Cancel—Enter the restriction password and select **OK**.

Check status—The phone lists the call types with call restriction active.

4 Select **OK**.

• FIXED DIALING

Once you set up and activate a fixed dialing list, your phone can make calls only to those numbers that you have defined in the fixed dialing list. Fixed dialing is a network feature and must be supported by your service provider. When fixed dialing is activated, calls still may be possible to the official emergency number programmed into your phone.

Set up and activate a fixed dialing list

1 Select **Menu > Settings > Security Settings > Fixed dialing**.

2   Select one of the following options:

On—Activate fixed dialing.

Off—Deactivate fixed dialing.

Number list—View the numbers in your fixed dialing list.

Note: If you activate fixed dialing and the number list is empty, all outgoing calls, except for emergency numbers such as 911, require entry of the PIN2 code.

3   Select **Number list**.

Fixed dialing not active and then **Fixed dialing list empty** appear in the display. You are prompted to enter the PIN2 code.

4   Enter the PIN2 code and select **OK**.

5   Enter the fixed dialing number or select **Find** to retrieve a number from **Contacts** and select **OK**.

6   Enter a name for the number and select **OK**, then select **Back > On** to activate fixed dialing.

View or edit the fixed dialing list

1   Select **Menu > Settings > Security Settings > Fixed dialing > Number list**.

2   Enter the PIN2 code and select **OK**.

Any numbers to which you have assigned fixed dialing appear.

3   Scroll to a number, select **Options**, and select one of the following options:

View number—View the number for an entry.

Add—Add a number to your fixed dialing list.

Edit—Edit the highlighted entry.

Delete—Delete the highlighted entry.

Delete all—Delete all entries in your fixed dialing list.

Notes about fixed dialing

- If a SIM card with fixed dialing that is activated is inserted into a phone that does not support fixed dialing, the SIM card is rejected.

- If you try to add a name without a number to the fixed dialing list, you will receive an error message.

- If you try to view the fixed dialing list, but have not stored any numbers, **Fixed dialing list empty** appears.

- You cannot access SIM memory manually (view or copy numbers on the SIM card) while fixed dialing is active.

• ACCESS CODES

- **Security code**—This code, supplied with the phone, protects your phone against unauthorized use. The preset code is 12345. See "Security" on page 62 for more information.

- **PIN code**—This code, supplied with the SIM card, protects the card against unauthorized use. Set on the **PIN code request** in the **Security settings** menu (see "Security" on page 62 for more information), so that the code is requested each time the phone is switched on. If you enter an incorrect PIN code three times in succession, the SIM card is blocked. You must enter the PUK code to unblock the SIM card and set a new PIN code.

- **PIN2 code**—This code is supplied with some SIM cards and is required to access certain services, such as charging unit counters. If you enter an incorrect PIN2 code three times in succession, **PIN2 code blocked** appears in the display and you will be asked for the PUK2 code.

  You can change the security code, PIN code and PIN2 code in **Access codes** in the **Security settings** menu. See "Security" on page 62 for more information. Keep the new codes secret and in a safe place, separate from your phone.

- **PUK and PUK2 codes**—These codes may be supplied with the SIM card. For more information, contact your service provider.

- **Call restriction password (4 digits)**—The restriction password is needed when using the **Call restrictions**. See "Security" on page 62 for more information. You can obtain the password from your service provider.

• CLOSED USER GROUPS

This network service specifies the group of people whom you can call and who can call you. **Default** resets the phone to use a user group that the SIM card owner has agreed upon with the service provider. When calls are limited to closed user groups, calls still may be possible to the official emergency number programmed into your phone.

Turn on closed user groups

1 Select **Menu > Settings > Security settings > Closed user group > On**.
2 Enter the group number, then select **OK**.

Turn off closed user groups

Select **Menu > Settings > Security settings > Closed user group > Off**.

9   Messages

You can read, write, send and save text, multimedia, and e-mail messages. Before sending a message, you need to save your message center number. See "Message settings" on page 43 for more information.

• BEFORE YOU CAN SEND AND RECEIVE MESSAGES

You will need the following to send and receive messages:

- A messaging service through your service provider
- A message center number, which must be saved to your phone (if your service provider has not done so already). See "Save your message center number" on page 35.

• ICONS

Icons that precede the title of a message indicate the following:

✉	The message has not been read.
✉	The message has been read.
✉	The message which you have composed has not been sent.
✉	The message which you have composed has been sent.
i	The message is a delivery report.
✉	The message is a MMS (multimedia message).

• OPTIONS

Text messages

When you create a text message, the following options are available:

Send—Send the message to one recipient.

Sending options—The options are:

    Send to list—Send the message to one of your distribution lists.

    Send to many—Send the message to one of your fixed calling groups.

    Sending profile—Send the message to one of your predefined profiles.

Clear text—Erase the text clipboard.

Save message—Select **Archive** to save the message in your archive. Select **Templates** to save the message as one of your predefined templates.

Insert contact—Insert a name from contacts into your message.

Insert number—Insert a number from contacts into your message.

Use template—Insert a predefined template into your message.

Insert picture—Insert a picture from the **Gallery** into your message.

Exit editor—Save the message to your archive automatically and leave the message editor.

Insert smiley—Insert a smiley into your message.

Insert word—Insert a word into your message.

Insert symbol—Insert a symbol into your message.

Predictive text—Start the predictive text utility.

Multimedia messages

When you create a multimedia message, the following options are available:

Send to number—Send the message to a phone number.

Send to e-mail—Send the message to an e-mail address.

Send to many—Send the message to more than one recipient.

Preview—View an unsent message.

Insert image—Insert an image from the **Gallery** into your message.

Insert soundclip—Insert a soundclip from the **Gallery** into your message.

Clear text—Erase the text clipboard.

Save message—Select **Archive** to save the message in your archive. Select **Templates** to save the message as one of your predefined templates.

More options—The options are:

>   **Insert contact**—Insert a name from **Contacts** into your message.

>   **Insert number**—Insert a number from **Contacts** into your message.

>   **Message details**—View the details of the message.

>   **Edit subject**—Edit the subject of an e-mail.

While viewing a text, picture, multimedia message, or e-mail, some or all of the following options are available:

Delete—Delete the message you are viewing.

Reply—Reply to the message; you have the option to include the original text in the reply, a template, or empty screen.

Use detail—Extract numbers, e-mail addresses and website addresses from the current message.

Forward—Forward the message to another recipient.

Edit—Edit the message.

Move—Move the message to a folder you specify.

Rename—Rename the message before it is saved to a folder.

Copy to Calendar—Copy text from the beginning of the message to your phone's calendar as a reminder note for the current day.

Message details—View the sender's name and phone number, the message center used, reception date and time.

Default message type

You can choose the type of message sent by your phone. Types include **Text** and **Fax**. The default message type is **Text**. This feature must be supported by your service provider.

1   Select **Menu > Messages > Message settings > Text messages > Sending profile > Default profile > Messages sent via**.
2   Select the message type of your choice.

• TEXT MESSAGES

Your phone is able to send and receive multi-part messages made of several ordinary text messages (Network Service) that can contain pictures.

Write and send

1   Select **Menu > Messages > Text messages > Create message**.
2   Compose a message (using the keypad) and select **Options > Send**.
3   Enter the recipient's phone number or select **Find** to retrieve a number from **Contacts**, and select **OK**.

> **Note:** When sending messages, your device may display the words **Message Sent**. This is an indication that the message has been sent by your device to the message center number programmed into your device. This is not an indication that the message has been received at the intended destination. For more details about messaging services, check with your service provider.

Options

You have various options of sending a message, other than the **Send** option discussed in "Write and send". To access one of these options, select **Options > Sending options** and one of the following:

Send to many—Send the message to several recipients.

Send to list—Send the message to a predefined distribution list. See "Distribution lists" on page 34 for more information.

Sending profile—Use a predefined message profile to send the message. See "Message settings" on page 43 for more information.

E-mail

Before you can send any e-mails via SMS, you need to save the settings for e-mail sending. See "Message settings" on page 43 for more information. To check e-mail service availability and to subscribe to the service, contact your service provider. To save an e-mail address in **Contacts**, see "Save numbers, text items, and images per contact" on page 50.

1   Select **Menu > Messages > Text messages > Create SMS e-mail**.

2   Enter the e-mail address or select **Find** to retrieve an e-mail address from **Contacts** and select **OK**.

3   Enter a subject for the e-mail and select **OK**.

4   Compose your e-mail (using the keypad) and select **Options > Send e-mail**.

> **Note:** When sending e-mails via the SMS network service, your phone may display the words, **Message sent**. This is an indication that the e-mail has been sent by your phone to the e-mail server. This is not an indication that the e-mail has been received at the intended destination. For more details about e-mail services, contact your service provider.

Read and reply

When you receive a text message or e-mail, **n message(s) received** appears in the display, where **n** is the number of new messages. Received messages are automatically stored in shared memory. The blinking ▭ indicates that the message memory is full. Before you can receive new messages, delete old messages.

1   Select **Show** to view the message now or **Exit** to view it later.

   If more than one message is received, select the message you want to read. An unread text message is indicated by ▭ in front of it.

2   While reading or viewing the message, select **Options**.

   You can select an option to delete, forward, or edit the message as a text message or an e-mail, move and rename the message you are reading. With **Copy to calendar**, you can copy the text from the beginning of the message to your phone calendar as a reminder note. Select **Message details** to view the sender's name and phone number, the message center used, and reception date and time. Select **Use detail** to extract phone numbers, e-mail addresses, and website addresses from the current message. When reading a picture message, select **Save picture** to save the picture in the **Templates** folder.

3   Select **Reply** to reply to a message.

4   Select **Empty screen**, **Original text**, **Template**, or select a standard answer to be included in the reply.

5   Confirm or edit the e-mail address and subject, if you are replying to an email message.

6   Compose your reply, then select **Options > Send > OK**.

Inbox and sent items folders

The phone saves the incoming text messages in the **Inbox** folder and the sent messages in the **Sent items** folder. The text messages you want to send later, can be saved in the **Archive**, **My folders**, or **Templates** folder.

Templates

Pictures and prewritten templates are stored in the **Templates** folder. Preloaded templates can be edited and customized. To access the template list:

Select **Menu > Messages > Text messages > Templates**.

Archive folder and my folders

You can organize your messages in the **Archive** folder or in new added folders.

SAVE MESSAGES

You can save messages to an existing folder or to a folder that you created.

1   Select **Menu > Messages > Text messages > Create message**.

2   Write your message and select **Options > Save message**.

3   Select either **Archive**, **Templates**, or the name of a folder which you created.

ADD OR DELETE

You can add or delete a folder.

1   Select **Menu > Messages > Text messages > My folders**.

2   Select **Options**, then select either **Add folder** or **Delete folder**.

Distribution lists

If you need to send messages frequently to a fixed group of recipients, you can define a distribution list for that purpose.

CREATE

Make sure that the contacts you want to add to the distribution lists are saved in both the phone and SIM card memory.

1   Select **Menu > Messages > Text messages > Distribution lists > Add**.

2   Enter the name for the list and select **OK > Options > View list > Add**.

3 Select the contact you want to add to the distribution list.

4 To add more contacts to the list, select **Options > Add contact**.

VIEW

1 Select **Menu > Messages > Text messages > Distribution lists**.

2 Scroll to a list and select **Options > View list**.

UNDELIVERED OPTIONS

If a message cannot be sent to certain recipients in the distribution list, **n message not sent**. **Show recipients?** appears in the display, where **n** is the number of messages. Select **OK** and select one of the following options:

Resend to list—Resend the message to the recipients on the undelivered list.

View details—View details of the contact to whom the latest message sending failed.

Delete contact—Delete the contact.

View message—View the failed message.

Save your message center number

Messages sent by your phone are routed through your service provider's message center. Normally, this number is saved to your phone by your service provider. To save the number manually, do the following:

1 Select **Menu > Messages > Message settings > Text messages > Sending profile > Default profile > Message center number**.

2 If the correct number displays, select **OK** or if the incorrect number displays, enter the number given by your service provider and select **OK**.

• MULTIMEDIA MESSAGES

This is a Network Service. A multimedia message can contain text, picture and sound. The phone supports multimedia messages of size up to 45 KB.

If the maximum size is exceeded, the phone may not be able to receive the message. Depending upon your network, you may receive a message that includes an Internet address where you can go to view the multimedia message. Pictures are scaled to fit the display area of the phone. Your phone has a multimedia message viewer for playing messages and a multimedia inbox for storing saved messages. Once you save the multimedia message, you can use the image as a screen saver or the sound as a ringing tone.

Note: Only devices that offer compatible multimedia message or e-mail features can receive and display multimedia messages. Multimedia message objects may contain viruses or otherwise be harmful to your device or PC. Do not open any attachment if you are not sure of the trustworthiness of the sender.

Multimedia messaging supports the following formats:

- Picture: JPEG, GIF, PNG, OTA-BMP, and WBMP
- Sound: SP-MIDI and monophonic ringing tones

You are not able to receive any multimedia messages if you have a call in progress, a game or a Java application running, or an active service connection. Because delivery of multimedia messages can fail for a variety of reasons, do not rely solely upon them for essential communications.

Write and send

For availability and subscription to the Multimedia Messaging Service (MMS), contact your service provider.

1 Select **Messages > Multimedia msgs. > Create message**.

2 Enter the text of your message and select **Options**.

3 To insert a picture or a sound clip, select **Insert image** or **Insert sound clip**, respectively.

4 Open the desired folder, scroll to the picture or sound clip, and select **Options > Insert**.

5 To insert a name from **Contacts**, select **Options > More options > Insert contact**.

6 Scroll to the desired name and select **Options > Insert contact**.

7 To insert a number, select **Options > More options > Insert number**.

8 Enter the number or search for it in **Contacts**, then select **OK**.

9 To view the message before sending it, select **Options > Preview**.

10 To send the message, select **Options**, then select **Send to number**, **Send to e-mail**, or **Send to many**.

Note: If you have attached a picture to the message, you cannot send the message by using e-mail.

11 Enter the recipient's number or e-mail address or search for it in **Contacts**, then select **OK**.

Note: It takes more time to send a multimedia message than to send a text message. While the multimedia message is being sent, the animated indicator is displayed and you can use other functions on the phone. If there is an interruption while the message is being sent, the phone tries to resend it a few times. If this fails, the message will remain in the **Outbox** folder and you can try to resend it later.

Read and reply

When a multimedia message is being received, appears (blinking). Once the message has been fully downloaded, **Multimedia message received** appears.

1 To view the message immediately, select **Show**; to view the message later, select **Exit**.

2 While viewing the message, select **Options** and select one of the following:

Zoom—Enlarge the picture.

Set contrast—Adjust the contrast in the picture.

Details—View details of the file, such as the name, size, format, time, and date the file was created.

Save image—Save any picture that is attached to your picture gallery.

Save tone—Save a ringing tone, if included, to the gallery.

Delete message—Delete a saved message.

Reply—Reply to the sender of the message. Select **Options** and then **Send**. The sender's phone number or e-mail is used as the default.

Reply to all—Reply to both the sender and to all of the recipients of the message.

Use detail—Extract phone numbers, e-mail addresses, and website addresses from the current message.

Forward to number—Forward the message to another number.

Forward to e-mail—Forward the message to an e-mail address.

Forward to many—Forward the message to several recipients.

Message details—View the message's sender, recipient(s), subject, size, and type.

Edit—Edit the message. You can only edit messages that you have written.

Play—Listen to a sound clip in the message, if one is included.

Note: If ⬅ blinks and **Multimedia memory full, view waiting msg.** appears in the display, the memory for multimedia messages is full. You need to delete some of your old messages. See "Delete messages" on page 40 for more information.

Folders

The phone saves the received multimedia messages in the **Inbox** folder. Multimedia messages to be sent are moved to the **Outbox** folder. The multimedia messages you want to send later can be saved in the **Saved items** folder. The sent multimedia messages are saved in the **Sent items folder**, if the setting **Save sent messages** is set to **Yes**.

Save messages

You can save messages to an existing folder or to a folder that you created.

TEXT MESSAGES
1   Select **Menu > Messages > Text messages > Create message**.
2   Write your message and select **Options > Save message**.
3   Select either **Archive**, **Templates**, or the name of a folder which you created.

MULTIMEDIA MESSAGES
1   Select **Menu > Messages > Multimedia msgs. > Create message**.
2   Write your message and select **Options > Save message**.
    The message is saved to the **Saved items folder**.

View saved messages

TEXT MESSAGES
1   Select **Menu > Messages > Text messages > Inbox**.
2   Select the folder containing the message you want to view.
3   Once the folder opens, select the message you want to view.

MULTIMEDIA MESSAGES
1   Select **Menu > Messages > Multimedia msgs. > Saved items**.
2   Once the **Saved items** folder opens, select the message you want to view.

Move a text message to a folder
While viewing the message, select **Options > Move**, then select the destination folder.

• FORWARD MESSAGES
1   While viewing a message, select **Options > Forward > Via text message > Options > Send**.
2   Enter the recipient's phone number or select **Find** to retrieve a number from **Contacts**, then select **OK**.
    OR
1   While viewing a message, select **Options > Forward > Via e-mail**.
2   Enter the recipient's e-mail address or select **Find** to retrieve an e-mail address from **Contacts**, then select **OK**.
3   Enter a subject, then select **OK > Options > Send e-mail.**
4   Enter the recipient's e-mail server number or select **Find** to retrieve an e-mail server number from **Contacts**, then select **OK**.

• PICTURE MESSAGES

Your phone comes with 10 preloaded pictures. You can, however, overwrite any of the 10 pictures that come with your phone. Pictures can be attached to a message and sent using a text message to compatible phones. Picture messages behave the same as text messages, but pictures take up more space than text. Pictures are stored in the **Templates** folder under **Messages > Text messages > Templates**.

Note: You cannot send a picture message by using e-mail.

Download pictures

Your phone can download pictures or receive them from compatible phones using text messaging to use in messages. You can also create pictures and send them to your phone or other compatible phones by using Nokia PC Suite.

Note: This function can be used only if it is supported by your service provider. Only phones that offer picture message features can receive and display picture messages. Contact your service provider for details.

Receive

When you receive a picture message, your phone beeps and **Message received** appears in the display, as well as [image].

VIEW

1 Select **Show** to view the picture message or select **Exit** to move it to the **Inbox**.
2 If you have more than one picture message, scroll and select the message that you want to view.

Note: When you have unopened picture messages in your inbox, [image] is shown in the upper left corner of the **start screen** as a reminder.

3 Use the scroll keys to view the whole picture, if necessary.
4 Keep scrolling to view other information, such as the sender number and time the message was sent.
5 Once you are finished, select **Exit** to move the picture message to the **Inbox**, or select **Options** for other choices, such as **Reply** or **Forward**.

SAVE A PICTURE

Select **Options > Save picture**, enter a title for the picture and select **OK**.

Compose and send a picture message

One picture message is equivalent in size to three text messages. If you try and insert a picture into a message that is almost full of text, a beep sounds and you are prompted to delete some text before proceeding.

1 Select **Menu > Messages > Text messages > Create message**.

2 Write a message using the keypad (or enter nothing if you choose to just send a picture) and select **Options**.

> **Note:** Insert pictures before adding text. You can then check remaining space for text in the upper right corner of the display.

3 Select **Insert picture**, then scroll to a picture and select **View**.

4 To insert the picture into your message, select **Insert**.

   OR

   To view another picture, select **Back**, scroll to another picture, and select **View**.

5 To send the picture message, select **Options > Send**.

6 Enter the phone number for your recipient or select **Find** to retrieve a number from **Contacts**, and select **OK**.

Preview, change, or delete a picture message

After a picture has been inserted into your message, select **Options** at the message edit screen, then select one of the following options:

Preview—Preview the inserted message before sending. Select **Back** to return to the list of options.

Change picture—Go back to the picture list. Scroll to highlight a new picture, select **View** and then select **Insert** to replace the previous picture in your message.

Delete picture—Select **OK** to delete the picture from your message.

Delete messages

SINGLE MESSAGE

To delete a single message, you need to open it first.

1 Select **Menu > Messages** and select either **Text messages** or **Multimedia msgs.**, then select the folder containing the message you want to delete.

2 Select the message you want to delete, then select **Options > Delete > OK**.

ALL MESSAGES IN A FOLDER

1 Select **Menu > Messages >** and select either **Text messages** or **Multimedia msgs.**, then select **Delete messages**.

2 Select the folder containing the messages you want to delete, then select **OK.**

> **Warning:** If you select **All messages**, it deletes any messages which have been read in *all* of the folders.

• VOICE MESSAGES

If you subscribe to voice mail, your service provider will furnish you with a voice mailbox number. You need to save this number to your phone to use voice mail. When you receive a voice message, your phone lets you know by beeping, displaying a message, or both. If you receive more than one message, your phone shows the number of messages received.

Save your voice mailbox number

Your service provider may have already saved your voice mailbox number to your phone. If so, the number will appear in step 2. Select **OK** to leave the number unchanged.

1   Select **Menu > Messages > Voice messages > Voice mailbox number**.
2   If the box is empty, enter the voice mailbox area code and number, and select **OK**.

Call and set up your voice mail

1   Once you have saved the voice mailbox number, press and hold the **1** key.
2   When you connect to voice mail and the prerecorded greeting begins, follow the service's automated instructions to set up your voice mail.

Listen to your voice messages

Once you have set up voice mail, you can dial the number in one of four ways:

- Dial the number, by using the keypad.
- Press and hold the **1** key.
- Select **Listen** if there is a notification message in the display.
- Select **Menu > Messages > Voice messages > Listen to voice messages**. After a brief pause, your phone dials the voice mail number.

Once you connect and the prerecorded greeting begins, follow the automated instructions to listen to your voice messages.

Automate voice mail

You can insert special characters called dialing codes into phone numbers such as voice mail and then save the number to a 1-touch dialing location. Dialing codes instruct the receiving system to pause, wait, bypass, or accept the numbers that follow them in the dialing string.

> **Note:** Each voice mail service can vary. The examples and steps that follow are for clarification. Check with your service provider if you have specific questions about your voice mail service.

NECESSARY INFORMATION

You will need this information in "Set up voice mail with dialing codes" on page 42. Be sure to record all of the information correctly.

1   Write down your voice mailbox number, then call and check your voice mail as you normally would.

2   Write down your interaction with the recorded prompts step-by-step. Keep in mind that each voice mail service may vary. However, it should look something like this:

    Dial 2145551212, pause 5 seconds, press 1, *pause 2 seconds, press 1234, press* pound key.

INSERT DIALING CODES

Press the **Star** key repeatedly to cycle through dialing codes. Once the desired code appears in the display, pause briefly and the code is inserted into the dialing string.

For example, press the **Star** key four times to display **w** (wait character). Pause briefly and the wait character is inserted into the dialing string. Available dialing codes are as follows:

*   *****   Bypasses a set of instructions.

*   **+**   Precedes an international telephone number.

*   **p**   Pauses for 2.5 seconds before sending any numbers that follow.

*   **w**   Wait. Your phone waits for you to press the **Talk** key before it sends any numbers or codes that follow.

SET UP VOICE MAIL WITH DIALING CODES

1   Select **Menu > Contacts > 1-touch dialing**, scroll to an empty 1-touch dialing slot and select **Assign**.

2   Enter your voice mailbox number, including the area code.

3   Enter any dialing codes, as necessary.

    For example, if you pause for 5 seconds after connecting to voice mail, enter **p** twice *after* the voice mailbox number, such as 2145551212**pp**.

4   Enter any remaining pauses, PIN codes, and other information that allows you to listen to your messages, then select **OK**.

5   Enter a name (such as, Voice Mail) and select **OK**.

6   To dial and listen to your voice mail, select and hold the assigned 1-touch dialing key at the **start screen**.

    No other keypresses should be necessary to connect and listen to your messages.

• INFO MESSAGE SERVICE

With the info message network service, you can receive short text messages from your service provider on various topics, such as weather and traffic conditions. Contact your service provider for more information.

Select **Menu > Messages > Info messages** and select one of the following:

Info service—Select **On** or **Off** to activate or deactivate the service.

Topics—Options for selecting, adding, editing, and deleting info topics.

Language—Select the language in which info messages are received. The language you select does not affect the language you select under the **Phone settings menu**.

Info topics saved on SIM card—Select one or more info topics to save to your SIM card.

• MESSAGE SETTINGS

Text, picture, and e-mail

1 Select **Menu > Messages > Message Settings > Text messages > Sending profile**.

2 If more than one message profile set is supported by your SIM card, select the set you want to change, and select one of the following:

Default recipient number—For text messages, the default number used to send messages.

Delivery reports—Request the network to send delivery reports on your messages.

Use GPRS—Set GPRS as the preferred method of sending text messages.

Reply via same center—Allow the recipient of your message to send you a reply message using your message center (network service).

Rename sending profile—Change the name of the selected sending profile; the sending profile sets display only if your SIM card supports more than one set.

3 Follow the prompts to change the selected setting.

Overwrite text, picture, and e-mail

When the message memory is full, your phone cannot send or receive any new messages. However, you can set your phone to automatically replace old messages in the **Inbox** and **Sent items** folders when new ones arrive.

1 Select **Menu > Messages > Message settings > Text messages**.

2 Select **Overwriting in sent items** or **Overwriting in inbox**.

3 Select **Allowed** to replace the old messages with new ones in the **Sent items** or **Inbox** folder, respectively.

Define multimedia message settings

1   Select **Menu > Messages > Message settings > Multimedia msgs.**, then select one of the following:

Save sent messages—Save sent multimedia messages to the **Sent items** folder.

Delivery reports—Request the network to send delivery reports on your messages.

Allow multimedia reception—Choose **Yes**, **No**, or **In home network** for your multimedia service. **In home network** cannot receive multimedia messages outside the home network. **Yes** is usually the default setting.

Incoming multimedia messages—Select **Retrieve** to receive multimedia messages or **Reject** if you do not want to receive multimedia messages.

Connection settings—Define connection parameters for multimedia data transfer.

Allow advertisements—Enable or disable reception of automatic multimedia advertisements. This setting is not shown if **Allow multimedia reception** is set to **No**.

2   Follow the prompts to change the selected setting.

Edit multimedia connection settings

1   Contact your service provider for the settings.

2   Select **Menu > Messages > Message settings > Multimedia msgs. > Connection settings > Edit active multimedia settings**, then select each of the following in turn and enter the settings provided by the service provider.

• **Settings' name**—Rename the setting to your preference.

• **Homepage**—Enter the homepage where your browser retrieves multimedia messages and select **OK**.

• **Session mode**—Select either session mode **Temporary** or **Permanent.**

• **Data bearer**—Select the data bearer (always **GPRS**).

• **Bearer settings**—Set each of the following settings for the data bearer:

  GPRS access point—Enter the access point name and select **OK**.

  IP address—Enter or change the IP address and select **OK**.

  Authentication type—Select either **Normal** or **Secure**.

  User name—Edit or enter your user name and select **OK**.

  Password—Edit or enter a password and select **OK**.

Receive multimedia connection settings as a text message

You may be able to receive multimedia connection settings as a text message from your service provider. For more information, contact your service provider.

Font size

Select **Menu > Messages > Message settings > Other settings > Font size**, then select **Small font** or **Large font**.

• SERVICE COMMANDS

Use the **Service commands** editor to enter and send service requests (also known as USSD commands) to your service provider. Contact your service provider for information about specific service commands.

1   Select **Menu > Messages > Service commands**.
2   Enter a service request, such as, an activation command for a specific network service and select **Send**.

10 Call log

Your phone registers the phone numbers of missed, received and dialed calls and the approximate length and cost of your calls. When the number of calls exceed the maximum, the most recent call replaces the oldest. For **Call log** to work properly:

- Your service provider must support caller ID and it must be enabled.
- Your calls cannot be blocked.
- Your phone must be on and within the service area.

• RECENT CALL LISTS

To find information about missed calls, received calls, or dialed numbers, select **Menu > Call log**, then select either **Missed calls**, **Received calls** or **Dialed numbers** and select **Options**. You can then view the time of the call, edit, view, call, or send a text message to the registered phone number, add it to the memory, or delete it from the list.

Call log options

The following options are available from the **Call log** menu:

Missed calls—Display the phone numbers of unanswered incoming calls.

Received calls—Display the phone numbers of the most recently answered incoming calls.

Dialed numbers—Display the most recently dialed numbers.

Delete recent call lists—Clear phone numbers from recent call lists.

Call timers—View the duration of recent calls and clear the call timers.

Call costs—View and limit the cost of calls and reset the cost counter.

GPRS data counter—Display the amount of sent and received GPRS data and reset the counters.

GPRS connection timer—Display the duration of GPRS data connections and reset the timers.

Options while viewing calls

Whether you are viewing missed, received, or dialed calls, the menu options are the following:

Call time—Display the date and time of the call.

Send message—Send a message to the number.

View number—Display the number.

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Edit number—Edit the number and associate a name with the number.

Save—Enter a name for the number and save it to contacts.

Add to contact—Add the number to an existing entry in contacts, if the number is not associated with a name.

Delete—Clear the number from memory.

Call—Call the number.

View missed calls

Missed calls are calls that were never answered. The missed calls feature does not function while your phone is off or outside of the service area. You can check for missed calls in two ways:

1 If **# missed call** appears, select **List**.
2 Select **Options**, then select the desired option from the list.

    See "Options while viewing calls" on page 46 for more information.

    OR

1 Select **Menu > Call log > Missed calls**.

    After a brief pause, a list of missed calls appears, if any exist.

2 Scroll to a name or number and select **Options**, then select the desired option from the list.

    See "Options while viewing calls" on page 46 for more information.

View received calls

Received calls are calls that have been answered.

1 Select **Menu > Call log > Received calls**.
2 Scroll to a name or number and select **Options**, then select the desired option from the list.

    See "Options while viewing calls" on page 46.

View dialed numbers

You can view dialed numbers in one of two ways:

1 At the start screen, press the **Talk** key.

    OR

    Select **Menu > Call log > Dialed numbers**.

2 Scroll to a name or number and select **Options**, then select the desired option from the list.

    See "Options while viewing calls" on page 46.

View call times

You can receive up to five calls from the same number and view the time each call occurred. Your clock must be set for this feature to work accurately. See "Set the time" on page 20 for instructions on setting your clock.

1 While viewing dialed numbers or a missed or received call, select **Options > Call time**.
2 Press the **Scroll down** key to view other call times from this number.
3 Select **Back** to return to the options list.

Delete call lists

To clear any missed, dialed, or received calls from phone memory:

1 From the menus, select **Call log > Delete recent call lists**.
2 Select the call type you want to clear.

• CALL COUNTERS AND TIMERS

Note: The actual invoice for calls and services from your service provider may vary, depending upon network features, rounding-off for billing, taxes, etc.

To find information on calls' durations, costs, etc., select **Menu > Call log**, then select one of the following:

Call timers to show the approximate duration of your calls.

Call costs (network service) to show the cost of your last call or all calls in terms of units specified within the **Show costs in** function.

GPRS data counter to check the amounts of sent and received data and to clear the counters. The counters unit is a byte.

GPRS connection timer to check the duration of the GPRS connections and to clear the timers.

11 Contacts

You can save up to 300 names, with multiple numbers and text notes for each name. The amount of numbers and text entries that you can save may vary, depending on their length, the total number of entries in **Contacts**, and the amount of shared memory available.

• CONTACTS MENU

Select **Menu > Contacts**, then select one of the following:

Find—Find a name or select from a list.

Add contact—Add a name to **Contacts**.

Delete—Delete a name and its associated numbers.

Copy—Copy entries from phone memory to SIM and vice versa.

Settings—Set memory in use (phone or SIM), change **Contacts** view, and check the memory status of your phone and SIM card.

1-**touch dialing**—Display the list of 1-touch dialing numbers saved to memory.

Service numbers—Display a list of numbers related to your service provider.

Own numbers—View the numbers (line 1, line 2, data) in use by your SIM card.

Caller groups—View and edit the properties (such as the ringing tone) for any of the caller groups.

• TYPES OF INFORMATION

Each contact entry can contain one or more of the following types of information:

☎	General phone number
▯	Mobile phone number
⌂	Home phone number
▮▮	Work phone number
🖶	Fax number
@	E-mail address
●	Web address
✉	Street address
✎	Note

• SAVE NUMBERS, TEXT ITEMS, AND IMAGES PER CONTACT

You can save different types of phone numbers and short text items per name in **Contacts**. The first number saved is automatically set as the default number. It is indicated with a frame around the number type indicator. When you select a name from **Contacts**, this number is used to make a call. To save multiple names, text items and images per contact, do the following:

Note: Make sure that the memory in use is either **Phone** or **Phone and SIM**. **SIM card** memory can have only one name and number per entry.

1 Scroll to the name to which you want to add a new number or text item and select **Details**.

2 Select **Options** and select either **Add number**, **Add detail** or **Add image**.

If the name is stored in the SIM card's memory, the name is moved to **Contacts**.

3 Select number type **General**, **Mobile**, **Home**, **Office** or **Fax** and enter the number, and select **OK**.

OR

Select text type **E-mail address**, **Web address**, **Street address** or **Note**, enter the text item, and select **OK**.

OR

Select **Open > Images in Gallery**, scroll to the desired image (graphic), then select **Options > Save to contacts**.

• MAKE A CALL FROM CONTACTS

At the start screen, press the **Scroll down** key, scroll to the entry for the person you want to call, and press the **Talk** key.

The phone dials the primary number for the contact.

• EDIT A CONTACT ENTRY

1 At the start screen, press the **Scroll down** key, scroll to the entry that you want to edit and select **Details**.

2 Scroll to the item you want to edit, select **Options**, then select an option and follow the prompts to edit the item.

• DELETE NAMES AND NUMBERS

1 Select **Menu > Contacts > Delete**.

2 To delete individual names and numbers, select **One by one**.

3 Scroll to the entry you want to delete, select **Delete,** and select **OK**.

OR

To delete the entire contents of contacts, select **Delete all**, then select either **Phone** or **SIM card**.

4 Select **Delete > OK**, enter the security code, and select **OK**.

• COPY CONTACTS ENTRIES

You can copy your contacts from the phone to the SIM card or vice versa. The following options are available:

One by one—Selects and copies entries one by one.

All—Copies all entries from the SIM card or phone.

Primary numbers—Copies only primary numbers. This appears only if you selected **From phone to SIM card**.

One by one

1 Select **Menu > Contacts > Copy**, then select either **From phone to SIM card** or **From SIM card to phone**.

2 Select **One by one**, scroll to the entry you want to copy, select **Copy** and select either **Keep original** or **Move original**.

> **Warning:** Select **Keep original** if you are unsure of which copy method to use. This ensures original entries are merely copied to the new location. **Move original** deletes files after copying.

3 To copy another entry, repeat step 2.

All

1 Select **Menu > Contacts > Copy**, then select either **From phone to SIM card** or **From SIM card to phone**

2 Select **All**, then select either **Keep original** or **Move original**, and select **OK > Back**.

Primary numbers

1 Select **Menu > Contacts > Copy > From phone to SIM card**.

2 Select **Primary numbers**, then select either **Keep original** or **Move original**, and select **OK > Back**.

• 1-TOUCH DIALING

You can associate any entry in contacts with a key from **2**–**9**, then dial those entries by pressing and holding the assigned key.

Assign a key

1   Select **Menu > Contacts > 1-touch dialing**, scroll to any empty slot and select **Assign**.

2   Enter the number (including the area code), select **OK**, enter a contact name for the entry and select **OK**.

OR

Select **Find** to retrieve a number from **Contacts** and select the contact you want.

3   If applicable, select **Yes** to activate 1-touch dialing.

Make a call

Press and hold the key to which an entry has been assigned. Your phone dials the entry assigned to the key.

Change numbers

1   Select **Menu > Contacts > 1-touch dialing**.

2   Scroll to the 1-touch dialing entry you want to change and select **Options > Change**.

3   Enter the new number (including the area code), select **OK**, enter a contact name for the entry and select **OK**.

OR

Select **Find** to retrieve a number from **Contacts** and select the contact you want.

Delete numbers

1   Select **Menu > Contacts > 1-touch dialing**.

2   Scroll to the 1-touch dialing entry you want to delete, then select **Options > Delete > OK**.

• VIEW SERVICE AND OWN NUMBERS

Your service provider may have saved the operating number of your phone, as well as various information and service numbers to your SIM card. This feature may not be supported by your SIM card. If so, contact your service provider for more information.

1   Select **Menu > Contacts**, then select one of the following number types:

Service numbers—Contact your service provider to obtain service.

Own numbers—Display the operating number(s) which have been assigned to your phone by your service provider.

2   To view details of either of the number types, select **View**.

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• CALLER GROUPS

You can add contacts entries to any of five caller groups, and then assign a unique ringing tone or graphic to that group. This enables you to identify callers from the group by their unique ringing tone or graphic. A caller group can be as small as one person or as large as the contacts list. You can rename caller groups to suit your preference.

Set caller group options

1 Select **Menu > Contacts > Caller groups**, select either **Family**, **VIP**, **Friends**, **Business**, or **Other** select one of the following options:

   Rename group—Rename the group to your preference.

   Group ringing tone—Set the ringing tone for the group.

   Group logo—Turn the graphic for the caller group on or off.

   Group members—Add or remove members from the caller group

2 Follow the prompts to set the option according to your preference.

Set up a caller group

1 At the start screen, press the **Scroll down** key to display a list of entries in **Contacts**.

2 Scroll to a name you want to add to a caller group, select **Details > Options > Caller groups**, and select the caller group to which you want to add the name.

• SELECT CONTACTS VIEW AND MEMORY

Select **Menu > Contacts > Settings**, then select one of the following:

Memory in use—Select either **Phone and SIM**, **Phone**, or **SIM card**. With **Phone and SIM** selected, names and numbers are saved to phone memory, but entries saved to both memories appear in the display.

Contacts view—Select either **Name list**, **Name and number**, or **Name only** view.

Memory status—Select either **Phone** or **SIM card**.

12 Profiles

Profiles define how your phone reacts when you receive a call or a message, how your keypad sounds when you press a key, and more. Ringing options, keypad tones, and other settings for each of the six available profiles can be left at their default setting or customized to suit your needs. Select and customize the most suitable profile for your situation, such as when you are in a meeting or outdoors. The profiles available are **Normal**, **Silent**, **Quiet**, **Loud**, **My profile 1**, and **My profile 2**.

> **Note:** You can rename **My profile 1** and **My profile 2** to a name of your choice. Select **Menu > Profiles**, then select either **My profile 1** or **My profile 2**. Select **Customize > Profile name**, then enter a profile name and select **OK**.

• SELECT

1   Select **Menu > Profiles**.
2   Select a profile from the list.

• CUSTOMIZE

You can customize any of the profiles a variety of ways.

1   Select **Menu > Profiles**.
2   Select the profile you want to customize, select **Customize**, then select the customizing option you want.

Ringing options—Select the ringing tone style.

Ringing tone—Select the ringing tone for incoming calls.

Ringing volume—Set the volume of your ringing tone.

Vibrating alert—Turn the vibrating alert on or off.

Message alert tone—Select the tone for received messages.

Keypad tones—Set the volume of your keypad tones (or turn them off).

Warning tones—Turn warning and confirmation tones on or off.

Cover lights—Turn cover lights on or off (this option displays only if you have an active cover on the phone).

Rhythmic backlight alert—Allow the backlight to follow the rhythm of the call alert tone or SMS alert tone.

Alert for—Define which caller groups the selected profile will accept or decline. See "Caller groups" on page 53 for more information.

Profile name—Rename the profile (up to 16 characters). You cannot rename the Normal profile.

• SET A TIMED PROFILE

Timed profiles can be used to prevent missed calls and can be set up to 24 hours in advance.

1 Select **Menu > Profiles**.

2 Select a profile, then select **Timed**.

3 Enter the time for the profile to expire and select **OK**.

13 Operator menu

Your service provider may have programmed an operator-specific menu into your phone. If this menu exists in your phone, its functions depend entirely on the service provider. Contact your service provider for more information.

14 Settings

Use this menu to set or change your personal shortcuts, time and date settings, call settings, phone settings, display settings, tone settings, enhancement settings, security settings, and to restore factory settings.

• OVER THE AIR (OTA) SERVICE

To use browsers, MMS, GPRS, and other wireless services, you must have the proper settings on your phone. If you receive the settings directly as an OTA message, then you need only save the settings on your phone. For more information about the availability of the settings, contact your service provider or nearest authorized Nokia dealer.

• PERSONAL SHORTCUTS

You can set your most frequently used functions to be quickly accessed through the **Personal shortcuts** feature. You can change the function of the **Right selection** key so that these frequently used functions can be quickly accessed from the start screen. This list of functions is called the **Go to** menu. See "Go to menu" on page 79 for more information. At the start screen, **Go to** is not automatically the option for the **Right selection** key on your phone unless you have already set it to display. To select an operator-specific name for the **Right selection** key to be displayed in the start screen, do the following:

Select **Menu > Settings > Personal shortcuts > Right selection key** and select either an operator-specific name or **Go to**.

• SCREEN SAVER

The screen saver is activated when no function of the phone is used after a preset period of time. Press any key to deactivate the screen saver.

Select

1 Select **Menu > Settings > Screen saver > Select s. saver**.
2 Scroll to a folder that contains images and select **Open**.
3 Scroll to the image of your choice and select **Options > Set as s. saver**.

Set timeout

You can set your phone to display a screen saver after a preset time or after a custom time (up to 10 minutes) of your choosing.

1 Select **Menu > Settings > Screen saver > Timeout**.
2 Select **10 seconds**, **30 seconds**, or **Other**.

• TIME AND DATE

Select **Menu > Settings > Time and date settings** and select one of the following options:

Clock—Show or hide the clock in standby mode, set the time, and select the time format.

Date—Show the date in standby mode and set the date, the date format, and the date separator.

Auto-update of date & time—Set the phone to update the time and date according to the current time zone.

• CALL

Call forwarding

Call forwarding tells your network to redirect incoming calls to another number. It is a network-dependent feature and may not work the same in all networks. Contact your service provider for availability.

ACTIVATE

1   Select **Menu > Settings > Call settings > Call forwarding**, then select the call forwarding option you want.

   Forward all voice calls—Forward all calls to the number you specify.

   Forward if busy—Forward incoming calls when you are in a call.

   Forward if not answered—Forward incoming calls to another number if you are unable to answer. You can also set a delay before forwarding takes place.

   Forward if out of reach—Forward incoming calls when your phone is off.

   Forward when not able to take calls—Forward calls that are not picked up. You can also set a delay before forwarding takes place.

   Forward all fax calls—Forward all fax calls to a fax mailbox.

   Forward all data calls—Forward all data calls to a data mailbox.

   Cancel all call forwarding—Cancel any call forwarding options you may have set.

2   Select **Activate**, then select the destination where you want your calls to be forwarded.

3   Enter the number to which your calls, data, or other information will be forwarded and select **OK**.

CANCEL

Select **Menu > Settings > Call settings > Call forwarding > Cancel all call forwarding**.

Note: If you cancel all call forwarding, this may affect your ability to receive voice mail messages. Contact your service provider for specific details.

Anykey answer

Anykey answer allows you to answer an incoming call by briefly pressing any key except the power key, the **Left selection** key, the **Right selection** key, and the **End** key.

Select **Menu > Settings > Call settings > Anykey answer**, then select **On** or **Off**.

Automatic redial

Occasionally, your network may experience heavy traffic, resulting in a "fast" busy signal when you dial. With automatic redial activated, your phone redials the number up to 10 times, and notifies you once the network is available.

Select **Menu > Settings > Call settings > Automatic redial**, then select **On** or **Off**.

1-touch dialing

You can turn the 1-touch dialing feature on and off.

Select **Menu > Settings > Call settings > 1-touch dialing**, then select **On** or **Off**.

Call waiting

If supported by your service provider, call waiting notifies you of an incoming call even while you are in a call. You can then accept, reject, or ignore the incoming call.

ACTIVATE
Select **Menu > Settings > Call settings > Call waiting**, select **Activate or Cancel**.

USE
1   During a call, press the **Talk** key to answer the waiting call.
2   Press the **End** key to end the active call.

Summary after call

Select **Menu > Settings > Call settings > Summary after call**, then select **On** or **Off**.

Send my caller identity

You can prevent your number from being displayed on the receiving party's caller ID. This feature is network-dependent and works on a call-by-call basis. Contact your service provider for more information.

Select **Menu > Settings > Call settings > Send my caller identity**, then select **Set by network**, **Yes**, or **No**.

Line for outgoing calls

Line for outgoing calls is a network-dependent service that allows you to select the phone line 1 or 2 for making calls. Contact your service provider for more information.

- **PHONE**

Set the display language

1 Select **Menu > Settings > Phone settings > Phone language**.

2 Select the language of your choice.

Set automatic Keyguard

1 Select **Menu > Settings > Phone settings > Automatic keyguard**.

2 Select **On** or **Off**, enter the delay time (in *mm:ss* format) and select **OK**.

Cell info display

Note: Cell info display is network-dependent and may not work the same in all networks. Contact your service provider for availability.

Select **Menu > Settings > Phone settings > Cell info display**, select **On** or **Off**.

Write a welcome note

Predictive text input is unavailable for entering welcome note text.

1 Select **Menu > Settings > Phone settings > Welcome note**.

2 Enter a note and select **Options > Save**.

Set up network selection

Select **Menu > Settings > Phone settings > Network selection**, then select **Automatic** or **Manual**.

Confirm SIM service actions

Select **Menu > Settings > Phone settings > Confirm SIM service actions**, then select **Yes** or **No**.

Help text

Your phone displays brief descriptions for most menu items. The default setting for Help text is **On**.

Select **Menu > Settings > Phone settings > Help text activation**, select **On** or **Off**.

Activate or deactivate start‑up tone

Select **Menu > Settings > Phone settings > Start‑up tone**, then select **On** or **Off**.

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• DISPLAY

Wallpaper

You can set your phone to display a background picture (wallpaper) on the start screen. Some pictures are presaved in the **Gallery** menu.

SELECT

1   Select **Menu > Settings > Display settings > Wallpaper > Select image**.

2   Scroll to a folder that contains images and select **Open**.

3   Scroll to the image you want and select **Options > Set as wallpaper**.

4   If **Replace current wallpaper?** appears in the display, select **OK**.

ACTIVATE OR DEACTIVATE

Select **Menu > Settings > Display settings > Wallpaper**, select **On** or **Off**.

Menu view

Select **Menu > Settings > Display settings > Menu view**, then select **List** or **Grid**.

> **Note:** The **Grid** option is only available in the Nokia 3100b and the Nokia 3120b phones.

Color scheme

Select **Menu > Settings > Display settings > Color Schemes**, then select the color scheme you want.

Operator logo

> **Note:** This feature is network-dependent. Contact your service provider for more information.

Select **Menu > Settings > Display settings > Operator logo**, then select **On** or **Off**.

Change display brightness

1   Select **Menu > Settings > Display settings > Display brightness**.

2   Use the scroll keys to adjust the contrast level to your preference, then select **OK**.

• TONE

You can adjust the ringing volume, keypad tones, and more for the active profile. See "Customize" on page 54.

• ENHANCEMENT

The **Enhancement settings** menu appears only if the phone is or has been connected to some Nokia audio enhancements, for example, to a headset.

1 Select **Menu > Settings > Enhancement settings**.

2 Select either **Headset**, **Handsfree**, **Loopset, TTY/TDD**, or **Gaming cover** and follow the prompts.

> **Note: TTY/TDD** is only available in the Nokia 3100b and the Nokia 3120b phones.

• SECURITY

> **Note:** Calls may be possible to the official emergency number programmed into your phone even when security features that restrict calls are in use.

Select **Menu > Settings > Security settings** and select one of the following options:

PIN code request—Set the phone to ask for your PIN code every time the phone is switched on (if this function is supported by your SIM card).

Call restrictions—Restrict incoming calls to and outgoing calls from your phone.

Fixed dialing—Restrict your outgoing calls to selected phone numbers (if this function is supported by your SIM card).

Closed user group—Specify a group of people whom you can call and who can call you.

Security level—Set the security code (the preset security code is 12345) for your phone.

Access codes—Change the security code, PIN code, PIN2 code or restriction password.

• RESTORE FACTORY SETTINGS

You can reset some of the menu settings to their original values.

1 Select **Menu > Settings > Restore factory settings**.

2 Enter the security code (the default is 12345) and select **OK**.

> **Note:** Data that you have entered or downloaded is not deleted. For example, names and numbers in **Contacts** are not affected.

15 Alarm clock

You can set the phone to sound an alert at a desired time.

Select a tone

Select **Menu > Alarm clock > Alarm tone**, then select one of the following options:

Standard—Select the default alarm tone.

Ringing tone—Select an alarm tone from the ringing tone list.

Open Gallery—Select a sound clip from a Gallery folder to use as an alarm. Open a folder that contains tones, scroll to the tone you want, and select **Options > Select**.

Set alarm

1 Select **Menu > Alarm clock > Alarm time**.

2 Enter the time for the alarm in *hh:mm* format, select **OK**, then select **am** or **pm**.

Turn off alarm

Select **Menu > Alarm clock > Alarm time > Off**.

When the alarm sounds

Your phone beeps or plays the tone you have selected, vibrates, and the display lights up. **Stop** and **Snooze** appear in the display.

WITH THE PHONE ON

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

OR

Select **Snooze**. The alarm stops for 10 minutes and **Snoozing** appears in the display.

> **Note:** If you do not press a key, the alarms stops (snoozes) for 10 minutes, and then sounds again.

WITH THE PHONE OFF

Select **Stop** and select **Yes** to turn on the phone or select **No** to keep it turned off.

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

16 Gallery

You can save pictures and ringing tones to folders in the gallery, or create folders of your own and save them there. You can download images and tones using MMS, web sites, or Nokia PC Suite.

• FOLDERS

Select **Menu > Gallery** and select one of the following options:

View folders—Display the folders in the gallery menu.

Add folder—Create a new folder.

Delete folder—Delete a folder you have created.

Rename folder—Rename a folder you have created.

Gallery downloads—Download more images and tones. Select **Image downloads** or **Tone downloads**, then select a site. Selecting **More bookmarks** displays the list of bookmarks in the **Services** menu.

Folder items

1 Select **Menu > Gallery > View folders** and scroll to a folder.
2 Select **Open**, select an image, tone or voice recording, then select **Options** and the option you want.

> **Note:** The voice recording feature is only available in the Nokia 3100b and the Nokia 3120b phones.

Open—Open the selected file.

Delete—Delete the selected file.

Send—Send the file with a message.

Move—Move the file to another folder.

Rename—Rename the selected file.

Set as ring tone—The tone is applied to the profile currently in use.

Details—View details of the file, such as the name, time and date the file was created.

Sort—Sort the files according to date, type, name, or size.

17 Calendar

The calendar keeps track of reminders, calls you need to make, and birthdays. It can even sound an alarm for any of these events.

Open the calendar

Select **Menu > Calendar**.

Four-way scrolling

You can move the cursor in some calendar views by using the four-way scroll key like a joystick.

Monthly view

Monthly view provides an overview of the selected month and weeks. It also allows you to jump to a specific date. Any days or dates that appear in bold font contain calendar notes such as a meeting or reminder.

Go to a date

Select **Menu > Calendar > Select Options > Go to date**, enter the date, and select **OK**.

Note a specific date

1   Go to the date for which you want to set a reminder.
2   Select **Options > Make a note**, then select either **Reminder**, **Call**, or **Birthday**.
3   Enter the information requested by the prompts, then select **Options > Save**.

Calendar notes (the day view)

1   Select **Menu > Calendar** and go to the date containing the note you want.
2   Select **Options > View day**, scroll to the note, and select **Options > View**.

Calendar notes options

Select **Options** while viewing a note to display the following options:

View—View the full note.

Make a note—Make another note for the selected date.

Delete—Delete the note.

Edit—Edit the note.

Move—Move the note to another date on your calendar.

Repeat—Repeat the note every day, every week, every 2 weeks, every month, or every month.

Go to date—Jump to another date on your calendar.

Send note—Send the note via the calendar or a text or multimedia message

Copy—Copy the note. You can then paste the note to another date.

Settings—Set the date and time, date and time format, the date separator, the day each week starts, and whether you want your notes to automatically delete after a specified time.

18 Games

Challenge yourself or a friend to one of the fun games in your phone!

Select **Menu > Games** and select one of the following submenus:

Note: The following menu items may vary. Contact your service provider for more information.

Select game—Select a game or enter a game option list.

Game downloads—Connect to game downloads on the Internet, by using your browser.

Memory—Check the available memory for games and game related applications.

Settings—Turn game sounds, lights, and shakes on or off.

• GAME DOWNLOADS MENU

Select **Menu > Games > Game downloads** and select the option you want.

Note: If the connection fails, you may enter the **Services** menu and activate another set of service settings.

• LAUNCH A GAME

Select **Menu > Games > Select game**, scroll to a game, and press the **Talk** key.

Note: If a game uses the whole display area, options, such as, **Options** or **Back** will not appear in the display. Press the **Left selection** key or the **Right selection** key to show the options, **Select** or **Exit**.

• GAME OPTIONS

While viewing the games list, select **Options** to display the following options:

Open—Play the game.

Delete—Delete the game.

Web access—Choose an option for restricting network access. Options are **Ask first**, **Allowed**, and **Not allowed**.

Update version—Check if a new version of the game is available for download.

Connect via—Some games need specific service settings. Your phone is set to use as default the service settings for the browser.

Details—Display details of the game.

19 Applications

Your phone software includes a Java application specially designed for this Nokia phone. Also, you can manage and download new applications that may be offered by your service provider.

• OPTIONS

Open—Open the selected application or application set.

Delete—Delete the application or application set from your phone.

Web access—Choose an option for restricting network access.

Update version—Check if a new version of the application is available to download.

Connect via—Some applications need specific service settings. Your phone is set to use as default the service settings for the browser.

Details—Shows additional information about the application.

• LAUNCH

1   Select **Menu > Applications > Select application**.
2   Scroll to the application you want and press the **Talk** key.

An application may require a few seconds to load. When you open an application, wait for the launch screen to disappear. At that point, the application is ready.

• DOWNLOADS

Your phone supports J2ME™ Java applications. Make sure that the application is compatible with your phone before downloading it. You can download new Java applications in different ways.

Application downloads

1   Select **Menu > Applications > App. downloads**.
2   If applicable, select **More bookmarks** and select the bookmark that contains the application you want to download.

If the connection fails, you may enter the **Services** menu and activate another set of service settings.

Download links

Select **Menu > Services > Download links** and select the application you want.

Note: When you download games or applications, games may be saved in the **Applications** menu and applications may be saved in the **Games** menu.

PC Suite

Use the Java application installer from PC Suite to download the applications in your phone.

Note: Only install sources that offer adequate protection against harmful software.

View memory status for applications

You can view the size of memory available for game and application installations.

Select **Menu > Applications > Memory**.

• WORLD CLOCK

This feature allows you to access a list of countries around the world and their local times calculated in relation to Greenwich Mean Time (GMT). You must first place the phone clock in the correct "phone time zone" (your time zone) and then you can view the time zones and other information for different cities.

Note: This feature is only available in the Nokia 3100b and the Nokia 3120b phones.

Set phone time zone

1 Select **Menu > Applications > Select application > Options > Open > OK**.

2 Select **Options > Phone time zone > Options > Find**.

3 Select **Options > Find** and select a city that is in your time zone.

A map appears, with the selected city displaying.

Set time for other cities

1 Select **Menu > Applications > Select application > Options > Open > OK**.

2 Select **Options > Time difference > Set city > Options > Find**.

3 Select **Options > Find** and select the city for which you want to view a time zone.

   A map appears, with the selected city and its current time displaying.

4 Select **Options > Set** and select **Back** to return to the phone time zone.

5 To add other cities, repeat steps 2–4.

Note: You can use the **Scroll left** and the **Scroll right** keys to scroll the map of the world and see the current times in various cities.

Options

Details—Shows information about the selected city.

Zoom in/Zoom out—Enlarge the area around the city or return the area to its default map size.

Find—Find a city from a list.

Time difference—Set the time for another city.

Edit—Edit information about the selected city.

Add—Add a city to the World Clock. See "Add a city" on page 70.

Delete—Delete a city from the World Clock.

Phone time zone—Set the correct phone time zone.

Time format—Set to time to either **AM/PM** or **24-hour** format.

Instructions—Shows information about the World Clock.

ADD A CITY

1 Select **Menu > Applications > Select application > Options > Open > OK**.

2 Select **Options > Add**, scroll to the data where you want to enter information, then select **Options > Edit** and enter the applicable information, then select **Options > OK**:

   City—Name of the city you want to add.

   Country/Region—Name of the country or region of the city.

   Dialing code—The dialing code (area code) for the city.

   GMT offset—Time zone offset is plus or minus Greenwich Mean Time, where GMT equals zero.

   Summer time period 1 starts on—The date and time the summer period begins.

   Summer time period 1ends on—The date and time the summer period ends.

   Summer time period 2 starts on—The date and time the summer period begins.

   Summer time period 2 ends on—The date and time the summer period ends.

3 When you are finished entering the information, select **Options > Save > OK**.

4 If the city is not in the correct location on the map, select **Options > Zoom in**.

5 Use the four-way scroll key to move the city on the map and select **Save**.

DELETE A CITY

1 Select Menu > **Applications > Select application > Options > Open >** OK.

2 If the city you want to delete appears, select **Options > Delete > OK**.

   OR

   If the city you want to delete does not appear, select **Options > Find > Options > Find** to display the list of cities.

3 Select the city you want to delete, then select **Options > Delete > OK**.

20 Extras

Extras include a calculator with currency exchange rate converter, countdown timer, stopwatch, and a voice recorder.

• CALCULATOR

Basic calculations

The calculator in your phone adds, subtracts, multiplies, divides, calculates the square and the square root, and converts currency values. Calculator has a limited accuracy and rounding errors may occur, especially in long division.

1 Select **Menu > Extras > Calculator** and enter the first number in the calculation.

> **Note:** Press the **Pound** key to insert a decimal point and press the **Star** key to cycle through the add (+), subtract (-), multiply (✱), and divide (/) characters. Pause briefly to select the displayed character. To perform a square or square root calculation, select **Options**, then select either **Square** or **Square root**.

2 Enter the second number in your calculation, then select **Options > Equals**.

Currency conversion

You can convert foreign currency to domestic or vice versa from the start screen.

1 At the **start screen**, enter a currency amount to convert, then select **Options**, and select either **To home** or **To foreign**.

2 Enter the exchange rate, if you have not done so already, and select **OK**.

Edit the exchange rate

1 Select **Menu > Extras > Calculator > Options > Exchange rate**, then select either **Foreign units in home units** or **Home units in foreign units**.

2 Enter the exchange rate and select **OK**.

• COUNTDOWN TIMER

You can set the alarm to ring after a period of lapsed time.

> **Note:** The countdown timer only works when the phone is on. Once you turn off your phone, the timer is no longer active.

Set the timer

Select **Menu > Extras > Countdown timer**, enter the time in *hh:mm* format, select **OK**, enter a note and select **OK**.

Change the time

1   Select **Menu > Extras > Countdown timer > Change time**.
2   Enter the new time in *hh:mm* format, select **OK**, leave the note as it was, or enter a new note and select **OK**.

Timer alarm

WHEN THE ALARM SOUNDS

When the time runs out, your phone sounds an alarm, displays the timer note, and flashes its lights. Press any key during the alarm to stop the timer. After 30 seconds, the timer alert stops automatically.

STOP THE TIMER BEFORE THE ALARM SOUNDS

Select **Menu > Extras > Countdown timer > Stop timer**.

• STOPWATCH

Your phone has a stopwatch that can be used to track time at sporting events or other occasions. While the stopwatch is running, if you press the **End** key and return to the start screen, the clock continues to run in the background and the 🕐 icon appears in the upper left corner of the screen. Using the stopwatch 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.

Measure time

Select **Menu > Extras > Stopwatch**, select either **Split timing** or **Lap timing**, then select **Start**.

- To record a split time, select **Split**.
- To record a lap time, select **Lap**.
- To finish timing, select **Stop**.

You can scroll through the recorded times shown below the overall time. When the timing is stopped, you can select **Options** for **Start** (split times only), **Save**, or **Reset**. If you select **Start**, timing continues from the previously timed event. If you select **Reset**, the split or lap times are reset.

Options

Continue—Shows up when the stopwatch is working in the background.

Show last time—Allows you to view the last measured time.

View times—Allows you to browse the saved times.

Delete times—Allows you to delete any saved times. You can delete the saved times one by one or all at once.

• VOICE RECORDER

You can record pieces of speech, sound or an active call for a minute. For example, this is useful when recording a name and phone number for writing them down later. This feature is only available in the Nokia 3100b and the Nokia 3120b phones.

Recording

1 Select **Menu > Extras > Voice recorder**.

2 Select **Record** to start the recording.

   OR

   Select **Options > Record** to start the recording during a call.

   Note: All parties to the recording call will hear a faint beeping sound approximately every five seconds. When recording a call, hold the phone in the normal position near to your ear.

3 Select **Stop** to end the recording.

4 Select **Replay last** to listen to the latest recording.

5 Select **Send** to send the recording as a multimedia message.

List of recordings

Select **Menu > Extras > Voice recorder > Recordings list > Recordings > Open > Options** and select one of the following options:

Open—Open the selected recording.

Delete—Delete the selected recording.

Rename—Rename the selected recording.

Set as ring tone—Save as a ringing tone in **Profiles**.

Details—View details of the recording, such as the name, size, time and date the recording was created, the length and format of the recording.

Sort—Sort the recordings according to name, date, format, or size.

21 Services

Your phone has a built-in browser you can use to connect to selected services on the mobile Internet. Many wireless mobile Internet access features are network-dependent, and some features may not be available. Contact your service provider for more information.

• TECHNOLOGY BACKGROUND

A technology called Wireless Application Protocol (WAP) is to mobile devices what the World Wide Web (WWW) is to personal computers. The mobile community began developing WAP several years ago to provide access to the Internet for mobile users.

Today, most WAP sites are made up of text and hyperlinks. Some pages even contain low-resolution graphics, or require data input. Your service provider and others are free to design WAP sites as they choose, so the sites are as variable as web pages on the Internet.

Internet content on your personal computer is called a "web page." Internet content on your mobile phone is called a "page," "WAP card," or a "Deck of cards." If the WAP site designer has made a page too large to load on the phone, it will not be displayed in the browser. You will see an error message saying, "File too big to be loaded" and then, the browser will return to the previous page.

Note: Since the phone display and memory capacity are much smaller than in a computer, Internet content is displayed differently. You may not be able to view all the details on some Internet pages.

• SERVICE PROVIDER

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

Note: It is likely that your service provider has created a home page and set up your WAP browser to go to this page when you log on to the mobile Internet. Once at your service provider's home page, you may find links to a number of other sites.

• SET UP SERVICE

Save the service settings

When you receive the service settings as an OTA message, **Service settings received** displays. To save the settings, select **Options > Save**. If no settings are saved in **Active service settings**, the settings are saved under the first free connection set and also activated. If there are settings saved in **Active service settings**, the message, **Activate saved service settings?** will display. To activate the saved settings, select **Yes**, or to save them only, select **No**.

To view the received settings first, select **Options > View** and then save the settings. To discard the settings select **Options > Discard**.

Set up service settings manually

1 Select **Menu > Services > Settings > Connection settings > Active service settings**, select the set where you want to save the service settings, and select **Activate**.

2 Select **Edit active service settings**, then select the settings and enter the setting information that you have received from your service provider.

• CONNECT TO THE SERVICE

Your service provider may have programmed the **Right selection** key to connect you directly to a web site, for example, the provider's customer site. You can also program the **Right selection** key to connect you directly to a web site of your choice. See "Personal shortcuts" on page 57.

There are several ways to connect to a service:

- To open the service's start page, select **Menu > Services > Home**.
  OR
  At the start screen, press and hold the **0** key (global Internet icon).

- To select a bookmark, select **Services > Bookmarks** and select a bookmark from the list. If the bookmark does not work with the current active service settings, activate another set of service settings and try again.

- To enter the address of the service, select **Services > Go to address**. Enter the address of the service and select **OK**.

> **Note:** If you see **Check service settings**, the phone may not be set up for browsing. Contact your service provider to make sure that your phone is configured properly.

• SET UP FOR BROWSING

It should not be necessary to manually configure the browser on your phone. Normally this is done by your service provider once you have subscribed to the feature. Contact your service provider if you have problems using the browser.

Phone keys

Since your phone screen is much smaller than a computer screen, mobile Internet content is displayed differently than you may be accustomed to seeing.

- To browse the WAP site, press the four-way scroll key to allow for both vertical and horizontal browsing.

- To select a highlighted item, press the **Talk** key.

- To enter letters and numbers, press a key from **0–9**.

- To enter special characters, press the **Star** key.

• GPRS, HSCSD, AND CSD

With your phone you can use General Packet Radio Service (GPRS), High-Speed Circuit Switched Data (HSCSD), and Circuit Switched Data (CSD). GPRS is a technology used to send and receive data using short bursts or packets over the wireless network. With GPRS, you can stay connected to the mobile Internet and allow for faster downloads without completing a dial-up connection. Applications using GPRS include the browser, text messaging, and dial-up connections for making digital data calls.

GPRS icons

The following icons appear on the screen to show you the status of your GPRS connection.

G   Shows up in the upper left corner of the screen. Indicates an active GPRS connection, for example, when you are using the browser.

     Indicates that CSD or voice calls are not possible when using GPRS.

     Indicates that the GPRS connection has been interrupted by a voice call.

• SET UP AN AUTOMATIC CONNECTION

Some service providers may have customized the options on the **Services** menu. Contact your service provider for more information if the options shown here are not available. GPRS may not be available in all wireless networks. The establishment and continuation of a GPRS and mobile Internet connection depends on network availability, service provider support, and signal strength. You can choose one of the following options for your GPRS connection.

1   Select **Menu > Services > Settings > Connection settings > Edit active service settings > Bearer settings > GPRS connection**.

2   Select one of the following options:

   When needed—The GPRS connection is established when you use the WAP browser and is closed when you exit the WAP browser.

   Always online—The phone is automatically registered to a GPRS network when you turn your phone on. When you use the WAP browser, the connection between your phone and the network is created and data transfer is possible. When you exit the WAP browser, the GPRS connection ends, but the registration to the GPRS network remains.

• BOOKMARKS

You can save page addresses as bookmarks in the phone. This feature is network-dependent. Contact your service provider for more information. 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 content as you would with any Internet site.

Enter manually

1   Select **Menu > Services > Bookmarks > Options > New bookmark**.
2   Enter an address for the bookmark, select **OK**, then enter a title for the bookmark, and select **OK**.

Set while online

While you are connected to the site that you want to bookmark, select **Options > Add bookmark**, enter a title for the bookmark and select **OK**.

Receive

When you receive a bookmark as an OTA message, select **Save** to save it to the bookmark list or select **Options** and **View** or **Discard**.

• APPEARANCE SETTINGS

You can determine how pages appear on the phone display.

1   Select **Menu > Services > Settings > Appearance settings**.
2   Select one of the following options:

Text wrapping—Text on the web page continues on the next line if it cannot be shown on only one line. Select **On** to allow text wrapping or **Off** to prevent text wrapping.

Show images—Select **Yes** to display pictures from the page or **No** to hide pictures. When pictures are displayed, pages load more slowly.

• SERVICE INBOX

The phone is able to receive service messages sent by your service provider (Network Service).

Select **Menu > Services > Settings > Service inbox settings > Service messages > On**.

*   To view a received service message, select **View**.
*   To move the message in the **Service inbox**, select **Exit**.

You can access the **Service inbox** later either by selecting **Menu > Services > Settings > Service inbox** or while browsing, by selecting **Options > Other options > Service inbox**.

• EMPTY THE CACHE MEMORY

The information or services you access with the WAP browser are temporarily saved in the cache memory of the phone. 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 from the menu, select **Services > Clear the cache**.

To empty the cache while browsing, select **Options > Other options > Clear the cache**.

• AUTHORITY CERTIFICATES

To use some WAP services, such as banking services, you need an authority certificate. Using the certificate can help you to improve the security of connections between your phone and a WAP server.

You can download the certificate from a WAP page if the WAP service supports the use of authority certificates. After the download, you can view the certificate, then save or delete it. If you save the certificate, it is added to the list of certificates in the phone.

Your phone alerts you if the identity of the WAP server or WAP gateway cannot be verified or is not authentic.

To view the list of authority certificates, select **Menu > Services > Settings > Security settings > Authority certificates**.

• DISCONNECT FROM THE MOBILE INTERNET

To close your connection, press the **End** key twice.

22 Go to menu

Your most frequently used functions can be quickly accessed from the **Go to** menu.

• CHOOSE FUNCTIONS

1 Select **Menu > Settings > Personal shortcuts > Select Go to options**.
2 Scroll to the function you want and select **Mark** to add it to the shortcut list or select **Unmark** to remove it from the list.
3 Repeat the previous step to select as many functions as you want.
4 Select **Done > Yes**.

• ORGANIZE FUNCTIONS

1 Select **Menu > Settings > Personal shortcuts > Organize Go to options**.
2 Select the function you want to rearrange, then select **Move**.
3 Select either **Move up**, **Move down**, **Move to top**, or **Move to bottom**.
4 Select **Done > Yes**.

23 Instant messaging

You can now take text messaging to the next level by experiencing instant messaging in a wireless environment. You can engage in instant messaging with friends and family, regardless of the mobile system or platform (like the Internet) they are using. Before you can start using instant messaging, you must first subscribe to the text messaging service. You must also obtain a user name and password before you can use instant messaging. See "User name and password" on page 82 for more information.

> **Note:** If instant messaging is not available from your wireless service provider, the **IM** screen may not appear. Contact your service provider for more information.

• NETWORK SELECTION

With **IM**, you have the choice of selecting the instant messaging service (**IM** provider or network) you want to use. Since each instant messaging service has its own display text and icons associated with it, the display text and icons on your phone may appear differently than what is displayed in this user guide update. If you have any questions about the differences in the various networks' display text and icons, contact your service provider for more information.

The following table shows instant messaging icons and their descriptions. The icons and display text may appear differently, depending on which instant messaging service you use.

Icon	Description
	Available
	Do not disturb/Discreet
	Appear offline
	Alert set
	Blocked contact
	Unread message/New message
	Read message
	Group invitation

• USER NAME AND PASSWORD

Before you can begin to use instant messaging, you must obtain a user name and password. You can do this by registering over the Internet (via your computer) with the **IM** service provider you have selected to use. During the registration process, you will have the opportunity to create the user name and password of your choice. For more information about signing up for instant messaging services, contact your wireless service provider.

• LOG INTO SERVICE

The first time you use instant messaging, you will need to enter your user name and password and select the network you want to use, in order to log into the service. After the first login, you will not have to select the network again, unless you want to change it. Every time you log in, you will receive screen prompts for your user name and password. You do not have to manually enter your user name (the user name you entered previously appears on the **User ID:** screen); however, you must manually enter your password every time you log in. To log in for the first time, do the following:

1. Select **Menu > IM > Login**, then select the network to which you want to connect.
2. Enter your user name, select **Options > OK**, enter your password and select **Options > OK**.
   The **IM** online menu displays.

Set your availability

You can determine if other users can tell whether you are available or not.

From the **IM** online menu, select **IM Availability**, then select either **Available**, **Do not disturb** or **Appear offline**.

Instant messages

You can send instant messages to anyone if you have the person's user name. You can also add that person to **IM Contacts** during an instant messaging session.

WRITE AND SEND

1. From the **IM** online menu, select **IM contacts > Write to other**.
2. Enter the user name of the person to whom you want to send an instant message, then select **Options > OK**.
3. Select **Options > Write** and enter a message.

> **Note:** Predictive text input is automatically enabled for writing messages. See "Predictive text" on page 24 for more information.

4. Select **Options > Send**.

RECEIVE AND REPLY

When you receive an instant message, a screen appears, showing you have a new instant message with the name of the sender.

Select **Options > Write**, enter a message, then select **Options > Send**.

Chat sessions

If you want to chat with a person, you must first add that person to **IM Contacts**. See "Add" on page 84 for instructions.

IM CONTACTS VIEW

1   From the **IM** online menu, select **IM contacts**, then select the contact with whom you want to chat, and select **Chat**.
2   Select **Options > Write** and enter a message.
3   Select **Options > Send**.
    After your contact replies, repeat steps 2-3 to continue your chat session.

SAVE

You can save your chat sessions (conversations) as chat history.

1   From the Conversation view, press **Options**, then select **Save**.
2   Keep the conversation name that appears in the display and press **Options**.
    OR
    Select **Clear** as many times as necessary to delete the conversation name, then enter the name you want and press **Options**.
3   Select **Save**.

VIEW

From the **IM** online menu, select **Saved convers.**, then select the chat session you want to view.

RENAME

1   From the **IM** online menu, select **Saved convers.**, then select the chat session you want to rename and select **Options > Rename**.
2   Select **Clear** as many times as necessary to delete the conversation name, then enter the new conversation name.
3   Select **Options > OK**.

DELETE

From the **IM** online menu, select **Saved convers.**, then select the chat session you want to delete and select **Options > Delete**.

END

Select **Back**, then select the chat session and select **End conversation**.

IM contacts

You can add the names of your friends and family with whom you will be interacting frequently via instant messaging to **IM contacts**.

ADD

1   From the **IM** online menu, select **IM contacts > Add contact**.
2   Enter the contact's user name, select **Options > OK**, enter the contact's nickname, and select **Options > OK**.

LOOK UP

1   From the **IM** online menu, select **IM contacts > Look up**.
2   Select one of the following options:

   Screen name—Enter the first few characters of the contact's screen name and select **Options > Look up**.

   User ID—Enter the first few characters of the contact's user name and select **Options > Look up**.

   Phone number—Enter the first few numbers of contact's phone number and select **Options > Look up**.

   E–mail—Enter the first few characters of the contact's email address and select **Options > Look up**.

REMOVE

From the **IM** online menu, select **IM contacts** and select the contact you want to remove, then select **Remove contact > OK**.

BLOCK MESSAGES

1   From the **IM** online menu, select **IM contacts** and select the contact from whom you want to block messages.
2   Select **Block contact > OK**.

UNBLOCK MESSAGES

1   From the **IM** online menu, select **IM contacts** and select the contact from whom you want to unblock messages.
2   Select **Unblock > OK**.

VIEW BLOCKED LIST

You can view the contacts from whom you have blocked messages.

1   From the **IM** online menu, select **Blocked list**.
2   If you want to unblock a contact, select the contact, then select **Unblock > OK**.
3   To unblock other contacts, repeat step 2.

SET AN ALERT

You can set an alert for a contact to notify you when the contact's availability changes.

1 From the **IM** online menu, select **IM contacts**, then select the contact for whom you want to set an alert.

2 Select **Set alert**.

RELEASE AN ALERT

1 From the **IM** online menu, select **IM contacts**, then select the contact for whom you want to release an alert.

2 Select **Remove alert**.

Private groups

You can create your own private chat groups. The participants must be entered into **IM contacts**. See "IM contacts" on page 84 for more information.

CREATE PRIVATE CHAT GROUP

1 From the **IM** online menu, select **Group convers.**, enter the group name (up to ten characters) and select **Options > OK**.

2 After your screen name appears, select **Options > OK**.

ADD MEMBERS

1 Select **Options > Group members**.

2 Select **Send** and select the contact whom you want to invite to the group chat.

3 Enter the invitation text and select **Options > Send**.

4 To add other members to the group, repeat steps 2–4.

REMOVE MEMBERS

1 From the group list, select the member you want to remove.

2 Select **Options > Remove member**.

INVITATIONS

When you receive an invitation to a group chat, the **New invitation received** screen appears, with the user name of the invitation sender and the group name displaying. You can either accept or reject the invitation.

Select **Accept > Options > OK** or select **Reject**.

Instant messaging settings

You can customize your instant messaging settings, depending upon the instant messaging service you have selected. After you open instant messaging, select **Settings** and the following options appear in the display:

Option	What it does
Screen name	Allows you to change your screen name.
Automatic login	Allows you to set your login to the automatic state.
Sort contacts	Allows you to display your contacts' order either **Alphabetically** or **By status**.
IM availability	Allows you to update your contacts' online availability (presence) by using the **Status updates** option or to display how your presence is seen by other users by using the **Authorization** option.
Network	Allows you to change your **User ID**, **Password**, **GPRS address**, **Text msg. number**, **Bearer**, and **Service name**.

SCREEN NAME

You can set up or revise a screen name that is 1–20 characters in length.

1 Select **Menu > IM > Settings > Screen name**.
2 Enter your screen name and select **Options > OK**.

AUTOMATIC LOGIN

You can use automatic login after you have logged in with the user name and password provided by your service provider.

Select **Menu > IM > Settings > Automatic login > On**.

SORT CONTACTS

Select **Menu > IM > Settings > Sort contacts**, then select **Alphabetically** or **By status**.

SET UP PRESENCE STATUS AND AUTHORIZATION

Presence allows you and other users to know who is online and available to chat. You can set your phone to automatically update a contact's presence status every time it is changed.

Select **Menu > IM > Settings > IM availability > Status updates > On**.

You can set how your presence is seen by other users.

Select **Menu > IM > Settings > IM availability > Authorization**, then select either **My contacts** or **All**.

> **Note:** If you select **My contacts**, only the contacts in your contact list can view your presence information. If you select **All**, anybody can view your presence information.

• LOG OFF SERVICE

From the **IM** online menu, you can exit the **IM** application but still stay connected to the **IM** service. This enables you to receive instant messages and chat invitations from your contacts, when using your phone for other purposes, for example, if you are playing a game. If you are connected to your **IM** service, but you have not used your **IM** application for some time, you may be automatically disconnected from the **IM** service. The next time you open the **IM** application, you will receive a message, **Not connected** and you will be taken to the offline menu where you have to log in again.

To disconnect from the **IM** service, you must log out from the online menu. You will then be taken to the offline menu, where you can log in again or exit the **IM** application.

Exit instant messaging

Select **Back** until the **IM** online menu appears, then select **Exit**. If you open **IM** again, you do not need to log in again.

Log out of instant messaging

From the **IM** online menu, select **Logout > OK**.

24 PC connectivity

• NOKIA PC SUITE

You can make a serial connection between your phone and a PC using the DKU-5 data cable, which is available for purchase as an enhancement. Once you establish this connection, you can access phone information from your PC.

For information on how to connect to a compatible computer by a cable and how to install Nokia PC Suite, see the inbox literature for your phone. For more information about Nokia PC Suite, see the software online help or visit the support pages at **www.nokia.ca**.

25 Enhancements

If you want to enhance 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 dealer.

• MISCELLANEOUS
- Fun Camera (PT-3)
- Blue Active Covers (CC-72D)
- Orange Active Covers (CC-69D)

• POWER
- 850-mAh Li-Ion Battery (BL-5C)
- Rapid Travel Charger (ACP-12U)

• AUDIO
- Headset (HS-5)
- Boom Headset (HDB-4)
- Retractable Headset (HS-10)
- FM Radio Headset (HS-2R)
- Loopset (LPS-4)
- Phone Adapter (HDA-10)

• DATA
- Data Adapter Cable (DKU-5)
- Desktop Stand (DCV-14)

• CAR
- Mobile Holder (MBC-15S)
- Headrest Handsfree (BHF-1)
- Car Installation Kit (CK-6) *requires MBC-15S
- Mobile Charger (LCH-12)

26 Reference information

• BATTERY INFORMATION

Charging and discharging

Your device is powered by a rechargeable battery. 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 talk and standby times are noticeably shorter than normal, buy a new battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

Unplug the charger from the electrical plug and the device when not in use. Do not leave the battery connected to a charger. Overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time. Temperature extremes can affect the ability of your battery to charge.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery. (These look like metal strips on the battery.) This might happen, for example, when you carry a spare battery in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.

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

Do not dispose of batteries in a fire! Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

Charging times

The charging times listed below are approximate.

Battery option	ACP-12U Charger
BL-5C Li-Ion Battery 850 mAh	up to 2 hours

Standby and talk times

The times shown in the following table are estimates only and represent a range for either standby or talk times (not a combination of both).

The operation time of the battery depends on conditions such as:

- Transmitting power level
- Signal (distance between the phone and the base station)
- Network parameters defined by the operator
- Phone use (WAP, games, SMS, Xpress-on active covers)
- Charging procedure used

Battery option	Talk time	Standby time
BL-5C Li-Ion Battery 850 mAh	up to 6 hours	up to 410 hours

• ENHANCEMENTS

A few practical rules about accessories and enhancements:

- Keep all accessories and enhancements out of the reach of small children.
- When you disconnect the power cord of any accessory or enhancement, grasp and pull the plug, not the cord.
- Check regularly that enhancements installed in a vehicle are mounted and are operating properly.
- Installation of any complex car enhancements must be made by qualified personnel only.

• ENHANCEMENTS, BATTERIES, AND CHARGERS

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from the Rapid Travel Charger (ACP-12U).

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

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.

Your device and its enhancements may contain small parts. Keep them out of reach of small children.

• CARE AND MAINTENANCE

Your device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you protect your warranty coverage and enjoy your device for many years.

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery and allow the device to dry completely before replacing it.

- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.

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

- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.

- Do not attempt to open the device other than as instructed in this guide.

- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.

- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.

- Do not paint the device. 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 device and may violate regulations governing radio devices.

All of the above suggestions apply equally to your device, battery, charger, or any enhancement. If any device is not working properly, take it to the nearest authorized service facility for service.

• ADDITIONAL SAFETY INFORMATION

Operating environment

Remember to follow any special regulations in force in any area and always switch off your device when its use is prohibited or when it may cause interference or danger. Use the device only in its normal operating positions. To maintain compliance with radio frequency exposure guidelines only use enhancements approved by Nokia for use with this device. When the device is on and being worn on the body, always use an approved carrying case.

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Medical devices

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

PACEMAKERS

Pacemaker manufacturers recommend that a minimum separation of 6 in (15.3 cm) be maintained between a 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. To minimize the potential for interference, persons with pacemakers should:

- Always keep the device more than 6 in (15.3 cm) from their pacemaker when the device is switched on.

- Not carry the device in a breast pocket.

- Hold the device to the ear opposite the pacemaker.

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

HEARING AID

Some digital wireless devices may interfere with some hearing aids. If interference occurs, consult your service provider.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection systems, electronic antiskid (antilock) braking systems, electronic speed control systems, air bag systems. For more information, check with the manufacturer or its representative of your vehicle or any equipment that has been added.

Only qualified personnel should service the device, or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the device. Check regularly that all wireless device 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 device, its parts, or enhancements. For vehicles equipped with an air bag, remember that an air bags inflate with great force. Do not place objects, including 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.

Potentially explosive environments

Switch off your device when in any area with a potentially explosive atmosphere and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch off the device at refuelling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel depots, 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), and areas where the air contains chemicals or particles such as grain, dust or metal powders.

FCC regulations prohibit using your wireless device while in the air. 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

⚠ **Warning:** Wireless phones, including this phone, operate using radio signals, wireless networks, landline networks, and user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. You should never rely solely on any wireless phone for essential communications like medical emergencies.

To make an emergency call:

1   If the phone is not on, switch it on. Check for adequate signal strength. Some networks may require that a valid SIM card is properly inserted in the phone.

2   Press the **End** key as many times as needed to clear the display and ready the phone for calls.

3   Enter the official emergency number for your present location. 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 guide or your service provider. When making an emergency call, give all the necessary information as accurately as possible. 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 MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

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

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

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (for example, at the ear and worn on the body) as required by the FCC for each model.

The highest SAR value for this model phone as reported to the FCC:

When tested for use at the ear -

FCCID # PPIRH-19 is 0.75 W/kg

FCCID # PPIRH-50 is 1.17 W/kg

When worn on the body, as described in this user guide:

FCCID # PPIRH-19 is 0.59 W/kg

FCCID # PPIRH-50 is 1.06 W/kg

Body-worn measurements differ among phone models, depending upon available enhancements and FCC requirements.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of **http://www.fcc.gov/oet/fccid** after searching on FCC ID PPIRH-19 and PPIRH-50.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines for use with a carry case, belt clip, or holder that contains no metal and that positions the handset a minimum of 7/8 inch (2.2 cm) from the body. Use of other carry cases, belt clips, or holders may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 7/8 inch (2.2 cm) from your body when the phone is switched on.

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

27 Technical information (3100 and 3120)

Feature	Specification
Dimensions	Width 1.68 in (42.8 mm) Height 4.00 in (1.08 mm) Depth 0.76 in (19.6 mm)
Weight	87.4 gm with BL-5C Li-Ion Battery
Wireless networks	GSM 900, 1800, and 1900 networks
Size (volume)	4.09 cu in (67 cu cm)
Frequency range (Tx)	GSM 900: 880–915 MHz GSM 1800: 1710–1785 MHz GSM 1900: 1850–1910 MHz
Frequency range (Rx)	GSM 900: 925–960 MHz GSM 1800: 1805–1880 MHz GSM 1900: 1930–1990 MHz
Tx output power	2W (GSM 900 max) 1W (GSM 1800/GSM 1900 max)
Battery voltage	3.7 Vdc
Number of channels	GSM 900: 174 GSM 1800: 374 GSM 1900: 299

Technical information (3100b and 3120b)

Feature	Specification
Dimensions	Width 1.68 in (42.8 mm) Height 4.00 in (1.08 mm) Depth 0.76 in (19.6 mm)
Weight	87.4 gm with BL-5C Li-Ion Battery
Wireless networks	GSM 850, 1800, and 1900 networks
Size (volume)	4.09 cu in (67 cu cm)
Frequency range (Tx)	GSM 850: 824–849 MHz GSM 1800: 1710–1785 MHz GSM 1900: 1850–1910 MHz
Frequency range (Rx)	GSM 850: 869–894 MHz GSM 1800: 1805–1880 MHz GSM 1900: 1930–1990 MHz
Tx output power	2W (GSM 850 max) 1W (GSM 1800/GSM 1900 max)
Battery voltage	3.7 Vdc
Number of channels	GSM 850: 124 GSM 1800: 374 GSM 1900: 299

28 Nokia One-Year Limited Warranty

Nokia warrants that the Nokia wireless phone and enhancements are free from defects in material and workmanship. The warranty period for the Phone (Radio) units and all enhancements (excluding carry cases) is twelve (12) months from the date of purchase OR fourteen (14) months from date of wholesale shipment from Nokia, OR fifteen (15) months from the date of manufacture by Nokia. The warranty period for the Carry cases is three (3) months from the date of purchase or five (5) months from the date of wholesale shipment from Nokia.

During the warranty period, Nokia will, at its option, repair or replace the defective product free of charge. Replacement Product may be either new or remanufactured or refurbished.

However, if Nokia determines that the warranty conditions cannot be applied, the purchaser will be billed for the repair and shipping.

EXCEPTIONS

This warranty is subject to the following exceptions:

1 Mobile or fixed installation, which is not in accordance with the installation instructions, published by Nokia, will void the warranty. Damage caused by a repair or an attempt to repair by other than a service centre authorized by Nokia will void the warranty;

2 This warranty covers normal consumer use and does not cover defects or damage to any product which, in the sole opinion of Nokia, has been subject to: improper storage, exposure to moisture or dampness, exposure to fire, sand, dirt, windstorm, lightning, or earthquake; to theft, battery leakage, unauthorized modification, misuse, neglect, abuse, misapplication, accident, alteration, improper installation, maladjustment of consumer controls, or abnormal operating conditions, or which has been attributable to acts of God;

3 Fuses are not covered by the warranty;

4 This warranty does not cover defects or damages caused by a product which is not approved by Nokia to be connected to its wireless phone;

5 This warranty does not cover defects or damages caused by improper or defective function of the carrier system or by inadequate signal reception by the antenna;

6 Removal and reinstallation costs are not covered by this warranty;

7 This warranty is applicable only to products bought through Nokia Products Ltd. in Ajax, Ontario, Canada, and sold either in Canada or Bermuda.

8 Removal, alteration, or defacing of the Serial Number Plate, or the enhancement Date Code Labels will void the warranty.

In no event shall Nokia be liable for incidental, special, or consequential damages, direct or indirect, loss of anticipated benefits or profits, loss of use of its wireless telephone, resulting from the use of its wireless phone, or its enhancements, or arising from any breach of this warranty.

CLAIM PROCEDURE
In order to obtain warranty performance, return the defective unit to the Nokia Service Centre with transportation charges prepaid (Shipping of the repaired unit may be paid by Nokia, in which case Nokia shall have risk of loss or damage during this shipment).

The proof of date of purchase will be required before in-warranty service is rendered.

Maintenance and service may be obtained in any authorized service centre in Canada.

EXTENSION OF WARRANTY PERIOD
When a repair is made, an extra 90-day service warranty is given to the labour and parts of the repair concerned. If replacement of a faulty unit is applied, instead of repairing, this 90-day service warranty is applied to the replaced unit.

Besides this 90-day service warranty, the warranty repairs or replacements do not affect the original warranty conditions, which are determined by the date of purchase.

THE FOREGOING WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE.

Some provinces do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

FOR WARRANTY SERVICE LOCATIONS, CONTACT YOUR SERVICE PROVIDER/ RETAILER/DEALER OR DIRECTLY TO:
NOKIA PRODUCTS LIMITED
601 Westney Road South
Ajax, Ontario L1S 4N7
Tel: 905-427-1373
       1-888-226-6542
Website: **www.nokia.ca**

For products being returned to Nokia or its authorized service centres, the service provider/retailer/dealer shall prepay shipping charges, taxes, duties, insurance. Nokia shall have no risk for loss or damage during this shipment.

NOTE: As warranty is automatically registered, no further action is required by the consumer.

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Appendix A

Message from the CTIA (Cellular Telecommunications & Internet Association) to all users of mobile phones.

Safety is the most important call you will ever make.

A Guide to Safe and Responsible Wireless Phone Use

Tens of millions of people in North America today take advantage of the unique combination of convenience, safety and value delivered by the wireless telephone. Quite simply, the wireless phone gives people the powerful ability to communicate by voice--almost anywhere, anytime--with the boss, with a client, with the kids, with emergency personnel or even with the police. Each year, Americans make billions of calls from their wireless phones, and the numbers are rapidly growing.

But an important responsibility accompanies those benefits, one that every wireless phone user must uphold. When driving a car, driving is your first responsibility. A wireless phone can be an invaluable tool, but good judgment must be exercised at all times while driving a motor vehicle--whether on the phone or not.

The basic lessons are ones we all learned as teenagers. Driving requires alertness, caution and courtesy. It requires a heavy dose of basic common sense---keep your head up, keep your eyes on the road, check your mirrors frequently and watch out for other drivers. It requires obeying all traffic signs and signals and staying within the speed limit. It means using seatbelts and requiring other passengers to do the same.

But with wireless phone use, driving safely means a little more. This brochure is a call to wireless phone users everywhere to make safety their first priority when behind the wheel of a car. Wireless telecommunications is keeping us in touch, simplifying our lives, protecting us in emergencies and providing opportunities to help others in need.

When it comes to the use of wireless phones, *safety is your most important call*.

Wireless Phone "Safety Tips"

Below are safety tips to follow while driving and using a wireless phone which should be easy to remember.

1   Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.

2   When available, use a hands free device. A number of hands free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.

3   Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can grab it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.

4   Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.

5   Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to do" list while driving a car, you are not watching where you are going. It's common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.

6   Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip--dial only a few numbers, check the road and your mirrors, then continue.

7   Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix--they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.

8   Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations--with your phone at your side, help is only three numbers away. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!

9   Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.

10 Call roadside assistance or a special wireless non-emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you still can use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

Careless, distracted individuals and people driving irresponsibly represent a hazard to everyone on the road. Since 1984, the Cellular Telecommunications Industry Association and the wireless industry have conducted educational outreach to inform wireless phone users of their responsibilities as safe drivers and good citizens. As we approach a new century, more and more of us will take advantage of the benefits of wireless telephones. And, as we take to the roads, we all have a responsibility to drive safely.

The wireless industry reminds you to use your phone safely when driving.
For more information, please call 1-888-901-SAFE.
For updates: http://www.wow-com.com/consumer/issues/driving/
articles.cfm?ID=85

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