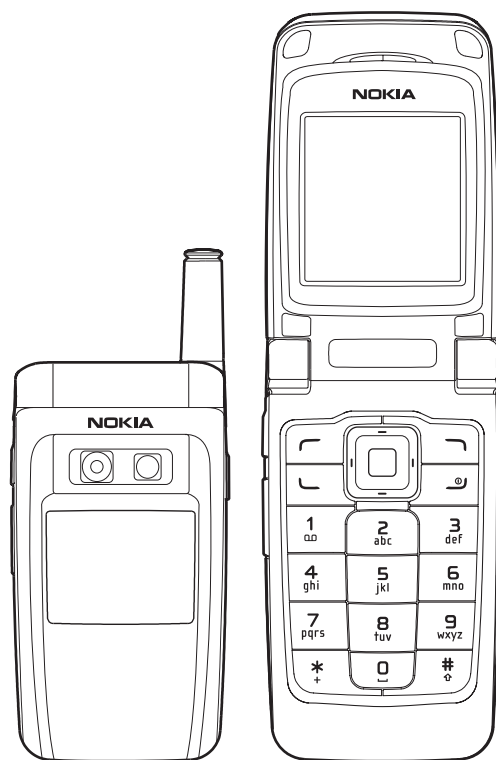# Nokia 6165i User Guide

LEGAL INFORMATION

PART NO. 9245129, ISSUE NO. 1

Copyright ©2006 Nokia. All rights reserved.
Nokia, Nokia Connecting People, Pop-Port, and the Nokia Original Enhancements logos are trademarks or registered trademarks of Nokia Corporation. Other company and product names mentioned herein may be trademarks or trade names of their respective owners.

US Patent No. 5818437 and other pending patents. T9 text input software Copyright ©1999-2006. Tegic Communications, Inc. All rights reserved.

Bluetooth wireless technology is a registered trademark of Bluetooth SIG, Inc.

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 6165i 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.

UNDER NO CIRCUMSTANCES SHALL NOKIA BE RESPONSIBLE FOR ANY LOSS OF DATA OR INCOME OR ANY SPECIAL, INCIDENTAL, AND CONSEQUENTIAL OR INDIRECT DAMAGES HOWSOEVER CAUSED. THE CONTENTS OF THIS DOCUMENT ARE PROVIDED "AS IS." EXCEPT AS REQUIRED BY APPLICABLE LAW, NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE MADE IN RELATION TO THE ACCURACY AND RELIABILITY OR CONTENTS OF THIS DOCUMENT. NOKIA RESERVES THE RIGHT TO REVISE THIS DOCUMENT OR WITHDRAW IT AT ANYTIME 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.

Copyright protections may prevent some images, music (including ringing tones), and the content from being copied, modified, transferred, or forwarded.

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 following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may

cause undesired operation. Any changes or modifications not expressly approved by Nokia could void the user's authority to operate this equipment.

Contents

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

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

SWITCH OFF IN AIRCRAFT
Follow any restrictions. Wireless devices can cause interference
in aircraft.

SWITCH OFF WHEN REFUELING
Do not use the device at a refueling point. Do not use near fuel or
chemicals.

SWITCH OFF NEAR BLASTING
Follow any restrictions. Do not use the device where blasting is
in progress.

USE SENSIBLY
Use only in the normal position as explained in the product
documentation. Do not 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.

BACK–UP COPIES
Remember to make back-up copies or keep a written record of all important information.

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 device 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 call key. Give your location. Do not end the call until given permission to do so.

■ About your device

The wireless devices described in this guide are approved for use on the CDMA 800 and 1900, AMPS networks, and GPS. Contact your network operator for more information about networks.

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

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

■ Network services

To use the device you must have service from a network operator. 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 network operator before you can utilize them. Your network operator 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 network operator 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 network operator for more information.

■ Shared memory

The following device features may share memory: contacts; text messages; photos, images, and tones in the gallery; calendar notes; games; and applications. Use of one or more of these features may reduce the memory available for the remaining features sharing memory. If your phone displays a message that the memory is full when you try to use a shared memory feature, delete some of the information or entries stored in the shared memory features before continuing. Some of the features, such as photos, images, and tones in the gallery; text messages; and applications may have a certain amount of memory specially allotted to them in addition to the memory shared with other features.

Welcome

Congratulations on your purchase of the Nokia 6165i mobile device. Your phone provides many functions practical for daily use, such as a hands-free loudspeaker, alarm clock, calculator, calendar, and more. Your phone can also connect to a PC or laptop using a USB data cable, Bluetooth wireless technology, or infrared. To personalize your phone, you can set your favorite ringing tones.

■ Register your phone

Make sure to register your phone at www.warranty.nokiausa.com or call 1-888-NOKIA-2U (1-888-665-4228) so that we can serve your needs better if you need to call a customer center or have your phone repaired.

■ Getting help

Find your phone label

If you need help, the Nokia Care Contact Center is available for assistance. Before calling, we recommend that you write down the following information and have it available:

- Electronic serial number (ESN) or Mobile Equipment ID (MEID)

- Your zip code (only in the US)

The ESN or MEID is found on the type label, which is located beneath the battery on the back of the phone. See "Remove the back cover," p. 17 and "Remove the battery," p. 17.
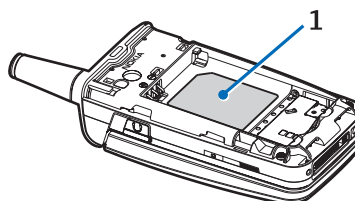
Contact Nokia

Please have your product with you when contacting any of these numbers:

| Nokia Care Contact Center, USA |
| --- |
| **Nokia Inc.**
4630 Woodland Corporate Blvd.
Suite #160
Tampa, Florida 33614
Tel: 1-888-NOKIA-2U
     (1-888-665-4228)
Fax: 1-813-249-9619
Web site: **www.nokiausa.com/support**

In Canada call:
Tel: 1-888-22-NOKIA
     (1-888-226-6542)
Web site: **www.nokia.ca**

For TTY/TDD users:
1-800-24-NOKIA (1-800-246-6542) |

Updates

From time to time, Nokia updates this guide to reflect changes. The latest version may be available at **www.nokia.com**. An interactive tutorial for this product 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 **www.nokiaaccessibility.com**.

1. Phone at a glance

- Earpiece (1)
- Display screen (2)
- Left selection key (3)
- Call key (4)
- Keypad (5)
- Four-way scroll and center selection key (6)
- Right selection key (7)
- Power key and end key (8)
- Charger port (9)
- Pop-Port™ connector (10)
- Microphone (11)
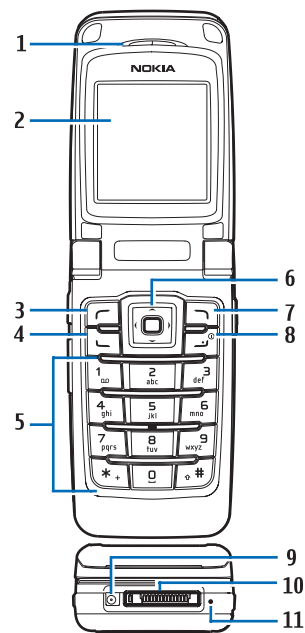
■ Keys and parts

- Loudspeaker (1)
- Push to talk key(2)
- Volume key (3)
- Mini display (4)
- Camera lens (5)
- Camera flash (6)
- Headset connector (7)
- Camera and Video key (8)
- Infrared (9)
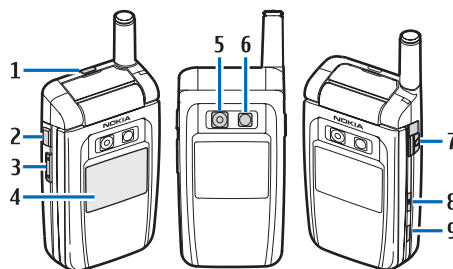
The voice key functions are as follows:

- Short press—Answer an incoming call.
- Long press—Answer or make a voice call.

■ Standby mode

Depending on your network operator and the model number of your phone, some or all of the following selection keys may appear in the standby mode.

The standby mode is home base and indicates your phone is in the idle state.
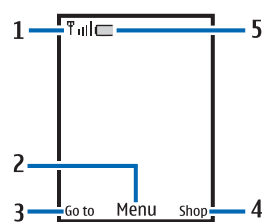
Signal strength (1)—A higher bar indicates a stronger network signal.

Menu (2)—Press the center of the scroll key to select this option.

Go to (3)—Press the left selection key to select this option.

Shop (4)—Press the right selection key to select this option.

Battery level (5)—A higher bar indicates more power in the battery.

11

■ Shortcuts

Depending on your network operator and the model number of your phone, some or all of the following shortcuts may appear in the standby mode.

In the standby mode, the scroll key instantly takes you to frequently-accessed menus:

Scroll up to quickly create a text message.

Scroll right to view the calendar.

Scroll left to go to the wireless web.

Scroll down to go to the list of contacts.

Press the center of the scroll key to view the main menu or a selected submenu.

■ Indicators and icons

Depending on your wireless service provider and the model number of your phone, some or all of the following indicators and icons may appear in the standby mode.

✉ You have a new text or picture message. See "Text messages," p. 34.

☎ You missed a call. See "View missed calls," p. 31.

ᗱᗲ You have new voice messages. See "Voice messages," p. 47.

🔒0 Your phone keypad is locked. See "Keyguard," p. 22.

🔕 Your phone is set to the silent profile. See "Profiles," p. 59.

📌 The alarm clock is set to on. See "Alarm clock," p. 87.

🕑 The countdown timer is running.

🕔 The stopwatch timer is running in the background.

🔊 Integrated hands-free is active. See "Loudspeaker," p. 21.

🕐 The timed profile is selected. See "Profiles," p. 59.

🎧 , 🔊 , ⌨, or 🔌 An enhancement is connected to the phone.
See "Enhancement settings," p. 75.

🔒 Voice privacy encryption is active (or is not active) in the network.

▯ You are in a digital network. See "Network services," p. 6.

▱▰ or ▰▰ Location info sharing is set to emergency or on. See "Location info sharing," p. 63.

🅐 You are in an analog network. See "Network services," p. 6.

1x You are in a 1XRTT network. See "Network services," p. 6.

12

⚠   You are roaming outside your home network. See "Roaming options," p. 79.

⚹   Bluetooth connectivity is activated. See "Bluetooth connectivity," p. 71.

▶···   Infrared connectivity is activated. See "Infrared connectivity," p. 73.

■ Phone menus

Phone features are grouped according to function and are accessed through the main menus. Each main menu contains submenus and lists from which you can select or view items and customize your phone features. To access these menus and submenus, use the scroll method or a shortcut.

To change your menu view from list to grid, select *Menu* > *Options* > *Main menu view* > *List* or *Grid*.

Some features may not be available, depending on your network. For more information, contact your network operator.

Scroll method

Use the scroll key to scroll up, down, left, and right through the options.

1. In the standby mode, select *Menu*, and scroll through the main menus.

   As you scroll through the menus, the menu number appears in the upper right corner of the display. Below the battery level indicator is a scroll bar with a tab that moves up or down on the right side of the display screen as you scroll through the menus, providing a visual representation of your current position in the menu structure.

2. When you arrive at a menu, press the center of the scroll key to select submenus.

3. To return to the previous menu, select *Back* (the right selection key).

   To return to the standby mode from any menu or submenu, press the end key.

In-phone help

Many features have brief descriptions (help text) you can view on the display. To view these descriptions, you must first activate help text as follows.

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

Scroll to a feature, and wait about 14 seconds. Scroll down to view all of the description, or select *Back* to exit.

■ Lock code

Your device has a security option allowing you to lock your phone with a code. When the code is set and turned on, no outgoing calls are allowed, and the menu cannot be accessed without entering the correct code first. This prevents unauthorized outgoing calls or access to any information stored on your device.

The *Security* option is in the *Settings* menu. The first time you access the Security option, you must enter a lock code. The default lock code may vary depending on your wireless service provider. The preset lock code may be the last four digits of your phone number, 1234 or 0000. If none of these work, contact your wireless service provider for help.

You must enter the lock code to access the following *Security* option:

1. In the standby mode, select *Menu* > *Settings* > *Security*.

2. Enter the lock code, and select *OK*. See "Change lock code," p. 77.

■ Go to functions

The *Go to* menu enables you to change the function of the left selection key on your phone. With this function, you can quickly access your most frequently used functions from the *Go to* menu in the standby mode.

Choose Go to functions

1. In the standby mode, select *Go to* > *Options* > *Select options*.

2. Scroll up or down to the desired function.

3. Select *Mark* to add a function or *Unmark* to remove a function.

4. Select *Done* when you have added all desired functions.

5. Select *Yes* to save the changes.

In the standby mode, select *Go to* to display a list of the functions you selected in step 2.

Organize functions

1. In the standby mode, select *Go to* > *Options* > *Organize*.

2. Scroll to the function you want to move, and select *Move*.

3. Use the scroll keys to move the function up or down, and select *OK*.

15

2. Set up your phone

■ Antenna

Your device has a fixed and extendable antenna located at the top of the phone with the fold closed. Hold the phone with the antenna area pointed up and over your shoulder.

In the Nokia 6165i phone, the internal GPS antenna is activated when placing emergency calls or when *On* is selected from the *Location info sharing* menu (a network-dependent feature). See "Location info sharing," p. 63.
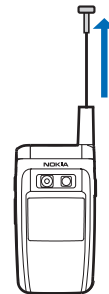
Note: Do not touch the antenna unnecessarily with the device switched on. Contact with the antenna affects call quality and may cause the device to operate at a higher power level than otherwise needed. Not touching the antenna area during a phone call optimizes the antenna performance and battery life.
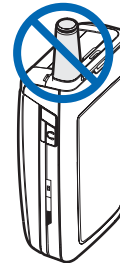
■ Battery

Note: Always switch off the power, and disconnect the charger and any other device before removing the cover. Avoid touching electronic components while changing the cover. Always store and use the device with the cover attached.

16

Remove the back cover

1. With the back of the phone facing you, push down on the back cover.

2. Slide the back cover toward the bottom of the phone and remove.
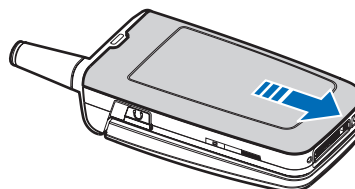
Remove the battery

After you have removed the back cover, insert your finger into the finger grip, and lift the battery from its compartment.
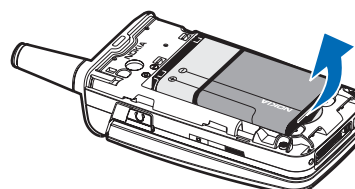
Note: Always switch off the device, and disconnect the charger before removing the battery.

UIM card slot

Your phone has a UIM (CDMA SIM) card slot built into the mechanics. However, the UIM is not functional in this phone model. Avoid placing anything into the UIM card slot.
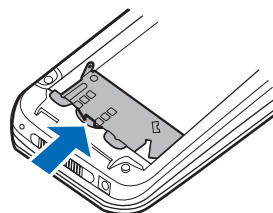
Replace the battery

1. Insert the battery, gold-colored contact end first, into the battery slot.

2. Push down on the other end of the battery to snap the battery into place.
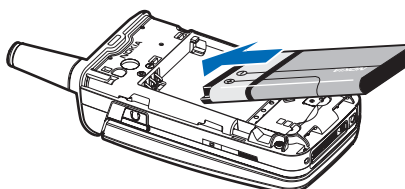
Replace the back cover

1. Set the back cover on the phone with the cover tabs aligned with the slots in the phone.

2. Slide the back cover toward the top of the phone until the back cover is securely in place.
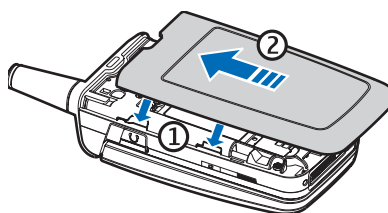
Charge the battery

Note: Before you use a charger with this device, check its model number. This device is intended for use when supplied with power from the AC-3 or AC-4 charger.

1. Plug the charger transformer into a standard wall outlet.

2. Insert the charger output plug into the round jack at the bottom end of the phone.

   After a few seconds, the battery indicator on the display starts to scroll from bottom to top. If the battery is completely discharged, it may take a few minutes before the charging indicator appears on the display or before any calls can be made.
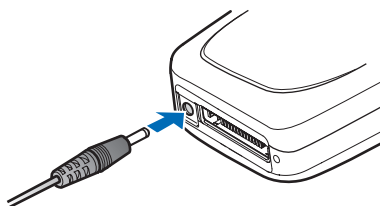
The ACP-12, ACP-9, ACP-8, ACP-7, and the LCH-12 can also be used to charge the phone, but it must be used with the CA-44 adapter included in the box:

1. Plug the charger transformer into a standard wall outlet.

2. Insert the charger output plug into the CA-44 adapter jack. Insert the CA-44 plug into the jack on the bottom of the phone.
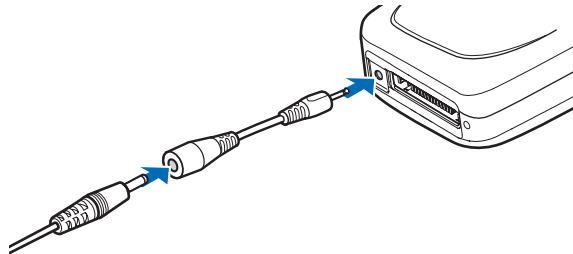
> **Warning**: Use only batteries, chargers, and enhancements approved by Nokia for use with this particular model. The use of any other types may invalidate any approval or warranty, and may be dangerous.

■ Switch your phone on or off

1. To switch your phone on or off, press and hold the end key for at least 4 seconds.

2. Enter the lock code, if necessary, and select *OK*. See "Phone lock," p. 76.

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

■ Connect the headset

A compatible headset may be purchased with your phone or separately as an enhancement. See "Enhancement settings," p. 75.

1. Plug the headset connector into the Pop-Port connector at the bottom end of your phone. ☊ appears in the standby mode.

2. Position the headset on your ear.

With the headset connected, you can make, answer, and end calls as usual:

19
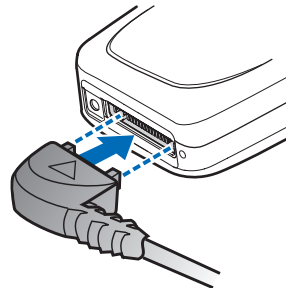
• Use the keypad to enter numbers.

• Press the call key to place a call.

• Press the end key to end a call.

You can also plug a compatible headset into the 2.5-mm headset jack on the right side of your phone to allow hands-free operation. See "Enhancement settings," p. 75.
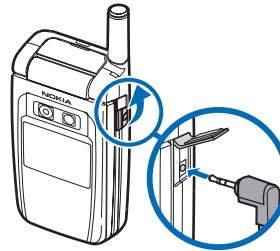
■ Make a call

Before making or receiving a call, fully extend the antenna.

Keypad

1. Enter the phone number (including the area code), and press the call key. (To delete a character to the left of the cursor, select *Clear*.)

2. Press the end key to end the call, or select *End call* to cancel the call attempt.

Contacts list

1. In the standby mode, scroll down to display your contacts list and highlight your desired entry.

2. Select *Details* to highlight your desired number; then select *Call*.

Last dialed number

1. In the standby mode, press the call key to display the last 30 numbers dialed.

2. Scroll to the number (or name) you want to redial, and press the call key.

Conference calling

Conference calling is a network service that allows you to take part in a conference call with two other participants.

1. Make a call to the first participant.

2. With the first participant on the line, select *Options* > *New call*.

3. Enter the phone number of the second participant, or select *Find* to retrieve a number from the contacts list. Select *Call*. The first participant is put on hold.

4. When the second participant answers, press the call key to connect the calls.

5. To end the conference call, select *Options* > *End all calls*, or press the end key.

■ Answer calls

Incoming call

1. With the fold open, press the call key, or select *Answer* to answer the call.

2. Press the end key to reject the call.

   Select *Silence* to mute the ringing tone, then *Dismiss*, or do nothing. The call is eventually diverted to voicemail.

   With your phone set to silent in the profiles menu, select *Dismiss* to divert the call to voicemail.

3. With the fold closed, press the volume key to mute the ringing tone.

   A short press of the voice key answers an incoming call with the loudspeaker.

By default, your phone answers an incoming call when you open the fold. You can change the setting to not answer the call when the fold opens.

Select *Menu* > *Settings* > *Call* > *Answer when fold is opened* > *On* or *Off*.

Adjust the earpiece volume

Whether in or out of a call, you can scroll the volume key up or down to adjust the volume of the earpiece. When you adjust the volume, a bar chart indicates the volume level.

Answer a call with the keypad locked

To answer a call with the keypad locked, press the call key with the fold open. To answer a call with the fold closed and the keypad locked, press and hold the voice key to answer with the loudspeaker. During the call, all features function as normal. When you end or reject the call, the keypad automatically relocks. See "Keyguard," p. 22.

When the keypad lock is on, calls still may be possible to the official emergency number programmed into your device. Enter the emergency number, and press the call key.

Loudspeaker

Warning: Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

You can use your phone as a loudspeaker during a call.

To activate the loudspeaker while in a call with the fold open, select *Loudsp.*.

To activate the loudspeaker when answering a call with the fold closed, press the voice key.

To deactivate the loudspeaker during a call, with the fold open, select *Normal*.

The loudspeaker is deactivated automatically when a call (or a call attempt) ends or when certain enhancements are connected.

Call options

Many of the options you can use during a call are network services. Check with your network operator for more information.

1. Select *Options* during a call to display the following options:

   Loudspeaker or *Handset*—Activate or deactivate the loudspeaker.

   New call—Start a conference call. See "Conference calling," p. 20.

   Save—Save a new number to your contacts list. This option is available only when entering numbers during a call.

   Add to contact—Add a phone number to a contact in your contacts list. This option is available only when entering numbers during a call.

   End all calls—Disconnect from all active calls.

   Touch tones—Enter the numbers, and select *Tones* to send the numbers as tones.

   Contacts—View the contacts menu.

   Menu—View the phone menu.

2. Select an option to activate the option or enter its submenu.

■ Keyguard

With the keyguard, you can lock the keypad to prevent keys from accidental presses. The locked keypad unlocks when you receive a call. After the call, the lock automatically reactivates.

With the keyguard on, calls still may be possible to the official emergency number programmed into your phone. Enter the emergency number, and press the call key.

Lock the keypad

Select *Menu*; then press ***** within 2 seconds.

Unlock the keypad

Select *Unlock*; then press ***** within 2 seconds.

3. Text entry

You can use two methods for entering text and numbers: standard mode and predictive text mode. Select *Clear* to backspace the cursor and delete a character. Select and hold *Clear* to backspace continuously and delete characters.

■ Standard mode

Standard mode is the only way to enter text in the contacts list and to rename caller groups.

Text (Abc)

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

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

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

- Press ***** to display a complete list of special characters.

- Press and hold **#** to open the *Editor settings* (*Number mode*, *Dictionary on* or *Dictionary off*, *Writing language*).

Numbers (123)

To switch to 123 mode from Abc mode, press and hold **#** at any message entry screen to bring up the *Editor settings*. Select *Number mode*, and the device returns to the message entry screen and switches the Abc icon in the upper left corner of the display to the 123 icon (or back).

Punctuation and special characters

While at any text entry screen, press ***** to display special characters. Press ***** again to cycle through all available characters. Scroll to navigate through the list of special characters. With a character highlighted, select *Insert* to insert the character into your message.

■ Predictive text mode

Much faster than the standard mode method, predictive text input enables you to write messages quickly using your keypad and the built-in dictionary. In the predictive text mode, your phone predicts the words as you enter them.

Activate or deactivate

1. At any text entry screen, select *Options* > *Dictionary on* to activate or *Dictionary off* to deactivate.

2. If you are turning predictive text on, select the language of your choice.

Text entry

The following illustration shows how to enter the word *Nokia* with predictive text. With the English dictionary selected, press the following number keys one time only (6, 6, 5, 4, 2). The screen displays *Nokia* by predicting the letter and word, based on your keypad entry:

6	6	5	4	2
O,	On,	Onl,	Onli,	Nokia,
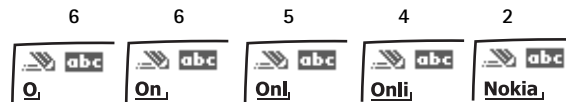
- Press **0** to enter a space, and begin writing the next word.
- If a displayed word is not correct, press ***** to see other matches. To return to the previous word in the list of matches, select *Prev.*
- If ? appears after a word, select *Spell* to add the word to the dictionary.
- Press **1** to insert a period into your message.
- Press and hold ***** to display special characters. Press ***** again to cycle through all available characters.

■ Change case and mode

Press **#** to switch between uppercase, lowercase, and sentence case text. As you press **#**, the following icons appear in the upper left of the display screen:.

	Uppercase text: standard mode is on.
	Lowercase text: standard mode is on.
	Sentence case text: standard mode is on. This option is available only at the beginning of a sentence.
	Uppercase text: predictive text is on.
	Lowercase text: predictive text is on.
	Sentence case text: predictive text is on. This option is available only at the beginning of a sentence.

4. Contacts

The contacts list can hold up to 500 contacts with multiple numbers and text notes for each contact. The amount of numbers and text entries you can save may vary, depending on the length and total number of entries in the contacts list.

■ Add new contacts

To access the contacts list in the standby mode, press the right selection key, or select *Menu* > *Contacts* > *Names* if the right selection key on your device has a network operator menu.

Save contact name and number

1. In the standby mode, enter the phone number you want to save.

2. Select *Save*.

3. Enter the name, and select *OK*.

Save contact number only

1. In the standby mode, enter the phone number you want to save.

2. Select and hold *Options*.

Save an entry

1. Select *Menu* > *Contacts* > *Names* > *Options* > *Add*.

2. Enter the name, and select *OK*.

3. Enter the phone number, and select *OK* > *Back*.

Save numbers and text items

You can save different types of phone numbers and short text items per name to the contacts list. The first number you save for any entry is automatically set as the default, or primary number, which you can always change.

1. In the standby mode, scroll down to display your contacts list, and highlight the entry to which you want to add a phone number or text item.

2. Select *Details* > *Options* > *Add detail* > *Number* (*General*, *Mobile*, *Home*, *Work*, or *Fax*), *E-mail address*, *Web address*, *Street address*, *Note*, *Image*, or *Tone*.

25

3. Enter the number or text for the type you have selected, and select *OK*.

4. To change a number type, highlight the number, and select *Options* > *Change type* > *General*, *Mobile*, *Home*, *Work*, or *Fax*.

Change default number

You can change the default (primary) number for the contact entry.

1. In the standby mode, scroll down to select the contact entry you want to change, and select *Details*.

2. Scroll to the number you want to set as default, and select *Options* > *Set as default*.

Caller groups

You can add contacts list entries to any of five caller groups, and 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.

1. To assign an entry in your contacts list to a caller group, select your desired contact entry, and *Options* > *Add to group*.

2. To manage your caller groups, select *Menu* > *Contacts* > *Groups* > *Group details* to display the following caller group options:

   Group name—Rename the group.

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

   Group image > *Add* or *Change*—Set the graphic for the caller group.

   Group members—Add or remove members from the caller group.

Set up 1–touch dialing

You can associate any entry in the contacts list with a key from 2–9. To dial those entries, press and hold the assigned key. See "1-touch dialing," p. 64 to activate or deactivate 1-touch dialing.

Assign a key to 1–touch dialing

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

2. Scroll to an *(empty)* 1-touch dialing slot, and select *Assign*.

3. Enter the number (including the area code) and a name for the number, or select *Find* to retrieve a number from the contacts list; select *OK*.

26

If 1-touch dialing is off, the device displays a prompt and asks if you want to turn 1-touch dialing on.

4. Select *Yes* to activate 1-touch dialing.

Change 1-touch dialing 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 and a name for the entry, or select *Find* to retrieve a number from the contacts list; select *OK*.

Delete 1-touch dialing numbers

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

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

■ Voice tags

You can dial up to 25 stored numbers using voice dialing.

Before using voice tags, note the following:

- Voice tags are not language-dependent. They depend on the speaker's voice.

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

- Voice tags are sensitive to background noise. Record voice tags and use them in a quiet environment.

- Very short names are not accepted. Use long names and avoid similar names for different numbers.

  Note: Using voice tags may be difficult in a noisy environment or during an emergency, so you should not rely on voice dialing in all circumstances.

Assign a voice tag to an entry

Before you can use voice dialing, you must first assign a voice tag to the number.

1. In the standby mode, scroll to the entry in your contacts list to which you want to assign a voice tag.

2. Select *Details* > *Options* > *Add voice tag* > *Start*.

27

3. Speak clearly into the microphone. Do not select *Quit* unless you want to cancel the recording. The device automatically stops recording, and saves and replays the voice tag.

 appears next to commands that have voice tags assigned.

Dial a number

1. In the standby mode, press and hold the right selection key with the fold open, or press and hold the voice key with the fold closed.

2. When you hear several beeps and *Speak now* appears, release the key.

3. Pronounce the voice tag clearly into the microphone.

   When the device finds the voice tag, *Found:* appears, and the device automatically dials the number. If the device does not locate a number or recognize the voice tag, *No match found* appears.

Assign voice tags

1. After you have associated a voice tag to a contact, select *Menu* > *Contacts* > *Voice tags* and your desired voice tag entry.

2. Select *Playback*, *Change*, or *Delete*.

■ Edit contacts list entries

1. Select *Menu* > *Contacts* > *Names*, and scroll to the entry you want to edit in your contacts list.

2. Select *Details* > *Options* and one of the following options, which may vary depending on whether you are editing a contact listed by phone number or contact name:

   View—View the phone number of the contact.

   Add detail—Add more details to the contact: *Name* (only available with no name added), *Number* (*General*, *Mobile*, *Home*, *Work*, or *Fax*), *E-mail address*, *Web address*, *Street address*, *Note*, *Image* (only available with no image added), or *Tone*.

   Edit name, *Edit number*, *Edit detail*, or *Change image*—Edit an existing contact name, phone number, details, or image attached to the contact.

   Delete—Delete more details (*Delete number*, *Delete detail*, or *Delete detail*) or the entire contact entry (*Delete contact*) of the contact.

28

Send message—Create and send the contact a text message or multimedia message.

Use number—Use or save the number (available when you select a contact listed with a contact name). Select *Options* to use the number.

Set as default—Change the default number of the contact.

Change type > *General*, *Mobile*, *Home*, *Work*, or *Fax*—Change the number type.

Add voice tag or *Voice tag*—Add a voice tag to the contact if no voice tag assigned, or select *Playback*, *Change*, or *Delete* if a voice tag is assigned.

Send bus. card—Send the contact as a business card to another device.

Add to group—Add the contact to an existing caller group.

1-touch dialing—Add the contact to your 1-touch dialing list.

3. Edit the option to your preference, and select *OK*.

■ Delete contacts entries

To delete all entries in your contacts list, in the standby mode, select *Menu* > *Contacts* > *Delete all contacts*.

■ Access the contacts menu

1. In the standby mode, select *Menu* > *Contacts* and one of the following options:

Names—View the entries in your contacts list, and select *Details* or *Options* > *Find*, *Add new contact*, *Add new group*, or *Delete contact* for your selected entry.

Settings—Change the contacts list view or check the memory status of your device.

Groups—View and edit the properties of any of the caller groups on the device.

Voice tags—Listen to, modify, or delete a voice tag to a contact in the contacts list.

1-touch dialing—View or modify the list of 1-touch dialing numbers.

My number—View your own phone number.

Delete all contacts—Delete all entries in your contacts list.

2. Select an option to activate the feature or access its submenu.

29

Search for a name

1. In the standby mode, scroll down to display the contents of your contacts list.

2. Press the key corresponding to the first letter of the name for which you are searching.

3. Scroll to select a contact, and select *Details* to view the details.

Configure settings

You can select how the contacts appear in your contacts list and view the amount of used or available memory in your device. Select *Menu* > *Contacts* > *Settings* > *Scrolling view* to change the view of the name list or *Memory status* to view the used and remaining device memory.

■ Send and receive contacts

You can send and receive an entry in your contacts list using text messaging, if supported by your network operator.

Send a business card

You can send a business card as a text message to a compatible phone or other handheld device.

1. Highlight your desired entry from your contacts list, and select *Options* > *Send bus. card* > *Via multimedia*, *Via text message*, *Via infrared*, or *Via Bluetooth*. *Primary number* and *All details* options appear only if you have more than one number or detail saved to the contact entry.

2. Enter the number for your recipient, or select *Find* to retrieve a number from your contacts list.

3. Select *OK* ; the business card is sent.

5. Call history

Call history stores information about the last 30 missed, received, or dialed calls. It also displays the total duration of all calls. When the number of calls exceed the maximum, the most recent call replaces the oldest.

When viewing missed, received, or dialed calls, the menu options are the same:

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

Send message—Send a message to the number.

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

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

Add to contact—Add the number to an existing name in your contacts list, 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 when your phone is switched off.

1. Select *Menu* > *Call history* > *Missed calls*; if a missed call notification appears, select *List*.

2. Scroll to a name or number, select *Options*, and an option.

■ View received calls

Received calls are calls that have been answered.

1. Select *Menu* > *Call history* > *Received calls*.

2. Scroll to a name or number, select *Options*, and an option.

■ View dialed numbers

Dialed calls are numbers you have previously dialed from your phone:

1. Press the call key; or select *Menu* > *Call history* > *Dialed numbers*.

2. Scroll to a name or number, and select *Options* and an option.

■ View message recipients

You can view recipients of messages you have sent. Select *Menu* > *Call history* > *Message recipients*.

■ Time of call

You can make or receive up to five calls to or from the same number and view the time each call occurred. Your clock must be set for this feature to work accurately.

1. While viewing a missed, received, or dialed call, select *Options* > *Time of call*.

2. Scroll down to view the most recent call times from this number.

3. Select *Back* to return to the options list.

■ Clear call history lists

You can delete any missed, dialed, or received calls from phone memory.

Select *Menu* > *Call history* > *Clear Call Histories* > *All call lists*, *Missed calls*, *Received*, *Dialed numbers*, or *Message recipients*.

■ Call timers

> **Note:** The actual invoice for calls and services from your service provider may vary, depending on network features, rounding off for billing, taxes, and so forth.

To view the duration of your calls, select *Menu* > *Call history* > *Call timers* and one of the following options:

Last call duration—Check the time of your last call.

Dialed calls' duration—Check the combined time of calls you dialed for either *Home* or *Roaming*.

Received calls' duration—Check the combined time of calls you received for either *Home* or *Roaming*.

All calls' duration—Check the combined time of all calls.

Life timer—Check the total airtime minutes logged on your phone.

Clear timers—Enter your lock code, and select *OK* to clear all timers on your phone.

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

■ Data or fax calls

Data/fax calls are a network service. See "Network services," p. 6, for more information. If your wireless service provider supports this feature, you can view the size or duration of sent or received data and fax calls.

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

Select *Menu* > *Call history* > *Data/fax calls* and one of the following options:

Last sent data/fax—View the size (KB) of the last sent data or fax call.

Last received data/fax—View the size (KB) of the last received data or fax call.

All sent data/fax—View the size (KB) of all sent data and fax calls.

All received data/fax—View the size (KB) of all received data and fax calls.

Duration of last data/fax call—View the duration time of the last data or fax call.

Duration of all data/fax calls—View the duration time of all calls.

Clear all data/fax logs—Select *Yes* to clear all data and fax logs.

■ Duration of Wireless Web calls

Wireless Web is a network service. See "Network services," p. 6, for more information. If your wireless service provider supports this feature, you can view the size or duration of sent or received data from the minibrowser.

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

Select *Menu* > *Call history* > *Wireless Web calls* and one of the following options:

Last sent browser data—View the size (KB) of the last sent browser data.

Last received browser data—View the size (KB) of the last received data.

All sent browser data—View the size (KB) of all sent browser data.

All received browser data—View the size (KB) of all received browser data.

Last browser session—View the duration time of the last browser session.

All browser sessions—View the duration time of all browser sessions.

Clear all browser logs—Select *OK* > *Yes* to clear all browser logs.

33

6. Messaging

If you have subscribed to a message network service, you can send
and receive messages to compatible phones also subscribed to a message service.
You can also send and receive multimedia and e-mail messages if supported by
your network operator. You can make distribution lists that contain phone
numbers and names from your contacts list.

Your device supports the sending of text messages beyond the character limit of
a single message. Longer messages are sent as a series of two or more messages.
Your service provider may charge accordingly. Characters that use accents or
other marks, and characters from some language options like Chinese, take up
more space limiting the number of characters that can be sent in a single
message.

When composing text or multimedia messages, check the number of characters
allowed in the top right corner of the message. Using Unicode characters takes
up more space. With Unicode characters in your message, the indicator may not
show the message length correctly. Before sending the message, the phone tells
you if the message exceeds the maximum length allowed for one message.

> **Important:** Exercise caution opening messages. Messages may contain
> malicious software or otherwise be harmful to your device or PC.

> **Note:** When you send a message, your device may display *Message sent*,
> indicating your device has sent the message 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 network operator.

■ Text messages

Write and send

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

2. Write a message using the keypad.

   Depending on the messaging service enabled, some or all of the following
   options are available while writing your message:

   Sending options > *Mark* or *Unmark* > *Urgent*, *Read receipt*, *Callback no.*, or
   Signature. Select *Sending options* for a single message. See "Sending
   options," p. 38.

Clear text—Erase all the text from the message editor.

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

Insert number—Insert a phone number or find a phone number in the contacts list.

Save message—Select *Drafts* to save the message in the drafts folder or *Templates* to save the message as one of your predefined templates in the templates folder.

Exit editor—Exit the message editor.

Use template—Insert a predefined template into your message.

Insert smiley—Insert a smiley into your message.

Insert word or *Edit word*—Enter or edit the text of a new word that might not appear in the predictive text dictionary (only available with predictive text on).

Insert symbol—Insert a special character into your message (only available with predictive text on).

Writing language—Choose the language you want to use.

Dictionary on or *Dictionary off*—Turn the predictive text on or off.

Matches—View matches in the dictionary for the word you want to use (only available with predictive text on and when the same set of key presses can produce multiple words).

3. To send the message, select *Send to* > *Recently used*, *Send to number*, *Send to e-mail*, *Send to distrib. list* (if a distribution list has been created), or *Send to many*.

4. Enter the recipient's phone number or e-mail address, or select *Find* to retrieve a number or e-mail address from your contacts list; select *OK*.

Read message

When you receive a message, a notification message and ✉ are displayed.

1. Select *Show* to read the message or *Exit* to dismiss the notification and read the message later from your inbox. See "View saved messages," p. 37.

2. Scroll up or down to view the whole message, if necessary.

Options

When reading a text message, select *Options* to access some or all of the following options:

Delete—Discard the message.

Use detail—Use or save the number, e-mail address, or Web address.

Save—Save the message to *Saved text msgs.*, *Templates*, or a folder you have created.

Forward—Forward the message to another phone number or e-mail address.

Lock or *Unlock*—Lock or unlock the message.

Rename—Edit the title of the message.

Reply to message

1. Select *Menu* > *Messaging* > *Text messages* > *Inbox* and your desired message, or when you receive a message, select *Show*.

2. Select *Reply* > *Empty screen*, *Original text*, *Template*, or one of the predefined answers; then compose your reply using the keypad.

3. After creating the reply, select *Send*. The sender's phone number or e-mail is used as the default.

Templates

Templates are short, prewritten messages you can recall and insert into new text messages when you are short on time.

1. Select *Menu* > *Messaging* > *Text messages* > *Create message* > *Options* > *Use template*.

2. Select your desired template.

3. Select *Send to* > *Recently used* , *Send to number*, *Send to e-mail*, *Send to many*, or *Send to distrib. list* (if a distribution list is created).

4. Enter the recipient's phone number or e-mail address, or select *Find* to retrieve a number or e-mail address from your contacts list; select *Send*.

Text message folders

Save messages

You can save drafts of messages or received messages to an existing folder or to a folder that you have created.

1. Open the received message or create a new message, and select *Options*.

2. To save a received message, select *Save* > *Saved text msgs.*, *Templates*, or a folder you have created.

   To save the draft of a message you have created, select *Save message* > *Drafts* or *Templates*.

36

View saved messages

1. Select *Menu* > *Messaging* > *Text messages*.

2. Select the folder containing the message you want to view:

   Inbox—Automatically stores any incoming messages

   Outbox—Stores messages that have not been sent

   Sent items—Stores messages that have been sent

   Drafts—Stores messages created as drafts

   Saved text msgs.—Stores messages that you choose to archive, including unread ones

   Templates—Stores pictures and prewritten templates. Preloaded templates can be edited and customized.

   My folders—Allows you to organize your messages by creating custom folders and saving some of your messages here. Select *Options* > *Add folder*, *Rename folder*, or *Delete folder* to add a custom folder or rename or delete a folder you have created.

   You can only delete folders created in my folders; the inbox, sent items, archive, and templates folders are protected. When deleting a folder, you are also deleting all messages in the folder.

   Distribution lists—Stores created distribution lists

3. When the folder opens, select the message you want to view.

Delete messages

If your message memory is full and you have more messages waiting at the network, *No space for new text messages* appears in the standby mode. You can do the following:

• Read some of the unread messages, and delete them individually.

• Delete messages from some of your folders.

Delete a single message

1. Select *Menu* > *Messaging* > *Text messages*.

2. Select the folder containing the message you want to delete.

3. Highlight the message you want to delete.

4. Select *Options* > *Delete*.

5. Select *Yes* to delete the message or *No* to exit.

Delete all messages in a folder

1. Select *Menu* > *Messaging* > *Text messages* > *Delete messages*.

2. Select the messages you want to delete:

   All—Deletes all messages in all of the folders

   All read—Deletes any messages that have been read in all of the folders

   All unread—Deletes any messages that have not been read in all of the folders

3. Select and mark the folders that have messages you want to delete:

   Inbox—Deletes all messages from the inbox folder

   Sent items—Deletes all messages from the sent items folder

   Outbox—Deletes all messages from the outbox folder

   Drafts—Deletes all messages from the drafts folder

   Archive—Deletes all messages from the archive folder

   User defined folders—Deletes all messages from the user defined folder

4. Select *Done* > *Yes* to empty the marked folder.

Sending options

To change sending options for all text messages, select *Menu* > *Messaging* > *Text messages* > *Message settings* > *Sending options* and the setting you want to change:

Priority > *Normal* or *Urgent* —Set the priority of a message.

Delivery note > *On* or *Off*—Send a note to yourself confirming delivery of the message.

Send callback number—Send a callback number to the recipient. Select *Off* or enter your desired phone number to send to the recipient as a callback number, and select *OK*.

Signature—Select *On* to create a signature to send with text messages or *Off* to turn this feature off.

To change sending options for one message, select *Menu* > *Messaging* > *Text messages* > *Create message* > *Options* > *Sending options*, mark or unmark the setting you want to change:

Urgent—Set the priority of the message as urgent.

Read receipt—Send a note to yourself confirming delivery of the message.

Callback no.—Enter your desired phone number to send to the recipient as a callback number, and select *OK*.

Signature—Create a signature to send with the text message.

Other settings

Select *Menu* > *Messaging* > *Text messages* > *Message settings* > *Other settings* and the setting you want to change:

Message font size > *Small font*, *Normal font*, or *Large font*

Message overwriting > *Sent items only*, *Inbox only*, *S. items & Inbox*, or *Off*

> **Note:** When the message memory is full, your phone cannot send or receive any new messages. To free up the memory, you can select *Message overwriting* to make your phone automatically replace old messages in the inbox and outbox folders when new ones arrive.

Save sent messages > *Always save*, *Always prompt*, or *Off*

Queue msgs. when digital unavailable > *On*, *On prompt*, or *Off*—Messages are stored in the outbox until they can be sent with digital service.

■ Multimedia messages

Multimedia messaging is a network service. See "Network services,", p. 6 for more information. If your wireless service provider supports this feature, you can send and receive multimedia messages to compatible phones that are also subscribed to the service.

A multimedia message can contain text, sound, a picture, or a video clip. Your phone supports multimedia messages that are up to 300 KB. If the maximum size is exceeded, the phone may not be able to receive the message.

> **Note:** Only devices that have compatible features can receive and display multimedia messages. The appearance of a message may vary depending on the receiving device. The wireless network may limit the size of multimedia messages. If the inserted picture exceeds this limit, the device may make it smaller so that it can be sent by multimedia message.

Depending on your network, you may receive a message that includes an Internet address where you can 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. After you save the multimedia message, you can use the image as a screen saver or the sound as a ringing tone.

Copyright protections may prevent some images, ringing tones, and other content from being copied, modified, transferred, or forwarded. For availability and a subscription to the multimedia messaging service, contact your service provider or network operator.

Multimedia messaging only supports the following formats:

- Picture: JPEG, GIF, animated GIF, WBMP, BMP, and PNG

- Sound: SP-MIDI, AAC, AMR audio, QCELP, and monophonic and polyphonic ringing tones

- Video: clips in H.264 or MPEG4 format with SubQCIF image size and AMR or QCELP audio

You cannot receive multimedia messages if you have a call in progress, games or other applications running, or an active browsing session. Because delivery of multimedia messages can fail for a variety of reasons, do not rely solely upon them for essential communications.

Multimedia message folders and options

Select *Menu* > *Messaging* > *Multimedia messages* and from the following:

Create message—Create and send multimedia messages.

Inbox—Check for received multimedia messages. Multimedia messages are automatically stored in the *Inbox* when they are received. You receive a notification when a message arrives in your *Inbox*.

Outbox—Check for outgoing multimedia messages. Multimedia messages are automatically stored in the *Outbox* as they are sent. If your service is interrupted while sending, then messages are stored in the *Outbox* until another delivery attempt is made.

Sent items—Sent multimedia messages are stored in *Sent items*.

Saved items—Save multimedia messages for later use in *Saved items*.

Delete messages—Delete multimedia messages from the *Inbox*, *Outbox*, *Sent items*, or *Saved items*.

Message settings—Change the settings for multimedia messages.

40

Write and send multimedia messages

1. Select *Menu* > *Messaging* > *Multimedia messages* > *Create Message*.

2. Write a message using the keypad. See "Multimedia message options," p. 42 for composing options.

3. Select *Send to* > *Recently used*, *To phone number*, *To e-mail address*, *To many*, or *Distribution lists*.

4. Select a number or distribution list, and enter the recipient's phone number or e-mail address; or select *Find* to retrieve a number or e-mail address from your contacts list.

5. Select *Send*.

The multimedia message is moved to the *Outbox* for sending.

The wireless network may limit the size of multimedia messages. If the inserted picture exceeds this limit, the device may make it smaller so that it can be sent by multimedia messaging.

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 automatically tries to resend it a few times. If this fails, the message remains in the *Outbox* and you can try to manually resend it later. Check your *Outbox* for unsent messages.

> **Note:** When sending messages, your device may display the words *Multimedia 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.

Messages that you send are saved in *Sent items* if the setting *Save sent messages* is set to *Yes*. See "Multimedia message settings," p. 45. This is not an indication that the message has been received at the intended destination.

Read and reply to multimedia messages

When a multimedia message is received, ⊜ appears on the display indicating the download progress. Once the message has been fully downloaded, ⊜ and a notification appears in the display.

1. To view the multimedia message immediately, select *Show*.

To save the message to the inbox for later viewing, select *Exit*.

To view a saved message, select *Menu* > *Messaging* > *Multimedia messages* > *Inbox* and the message you want to view.

While viewing a message, select *Play* to play the entire message.

2. Select *Reply* or *Options* > *Reply to all*, and compose your reply.

3. Select *Send*.

If blinks and *Multimedia me-mory full. View waiting msg.* appears, the memory for multimedia messages is full. To view the waiting message, select *Show*. Before you can save the message, you need to delete some of your old messages. See "Delete multimedia messages," p. 44 for more information.

Important: Exercise caution when opening messages. Multimedia message objects may contain malicious software or otherwise be harmful to your device or PC.

Multimedia message options

Create message options
When you create or reply to a multimedia message, some or all of the following options are available:

Send to album—Send message to an online album. This is an online network service. Check with your service provider for more information.

Insert > *Image*, *Sound clip*, or *Video clip*—Insert an image, sound clip, or video clip file from *My Albums*. Open the desired folder, and select the file and *Options* > *Options*.

Insert > *New sound clip*—Opens the voice recorder to create a new sound clip that you attach to the message.

Insert > *Slide*—Insert a slide into your message. Each slide can contain text, a business card, a calendar note, one image, and one sound clip.

Insert > *Business card*—Insert a contact as a business card.

Insert > *Calendar note*—Insert a calendar note.

Delete > *Image*, *Sound clip*, or *Video clip*—Delete an image, sound clip, or video clip file from your message.

Delete > *Slide*—Delete the current slide from your message.

Edit subject—Edit the subject heading.

42

Clear text—Erase all text from the current slide in your message.

Preview—Preview the message or slide presentation before sending it. Select *Stop* to end the preview. Select *Play* to start the preview again or *Back* to return to the list of options.

Previous slide—Move to the previous slide.

Next slide—Move to the next slide.

Slide list—Select the slide you wish to edit.

Slide timing—Set the timing interval for each slide. By default, each slide appears for 12 seconds.

Place text first or *Place text last*—Move text to the top or bottom of the slide. By default, the text appears at the bottom or last.

Save message—Save the message to *Saved items*.

More options > *Insert contact*—Insert a name from your contacts list into your message.

More options > *Insert number*—Insert a phone number or find a phone number in the contacts list.

More options > *Message details*—Show the details of your multimedia message.

Exit editor—Exit the message editor.

Insert smiley—Insert a smiley.

Insert word or *Edit word*—Enter or edit the text of a new word that might not appear in the predictive text dictionary. This appears only when predictive text is on.

Insert symbol—Insert a special character. This appears only when predictive text is on.

Writing language—Choose the language you want to use.

Dictionary on or *Dictionary off*—Turn predictive text on or off.

Matches—View matches found in the predictive text dictionary for the word you want to use. This appears only when predictive text is on.

Read message options

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

Set contrast—Adjust the contrast of an image. This option is only available when viewing an image.

Details—Display the details of a highlighted file attachment.

Save image, *Save sound clip*, or *Save video clip*—Save the corresponding file to *My Albums*. Images, sound clips, and video clips must be opened before you can save them.

Save link—Save the corresponding Web link. This appears only when a Web link is highlighted.

View text—View only the text included in the message.

Activate image, *Activate tone*, or *Activate video clip*—View or listen to the corresponding file.

Delete—Delete the message you are viewing.

Reply or *Reply to all*—Enter a reply and send it to the original sender and any other recipients of the message.

Use detail—Use or save the number, e-mail address, or Web address.

Send to number, *Send to e-mail*, or *Send to many*—Forward the message to a phone number, e-mail address, or multiple recipients.

Album—Forward the message to an online album. This is an online network service. Check with your service provider for more information.

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

Delete multimedia messages

If your message memory is full and you have more multimedia messages waiting at the network, blinks in the standby mode. Delete several messages to free memory.

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

1. Select *Menu* > *Messaging* > *Multimedia messages*

2. Select the folder containing the multimedia message you wish to delete.

3. Select the message you wish to delete and *Options* > *Delete*.

4. Select *Yes* to delete or *No* to exit.

Delete all multimedia messages in a folder
1. Select *Menu* > *Messaging* > *Multimedia messages* > *Delete messages* > *Inbox*, *Outbox*, *Sent items*, or *Saved items*.

2. Select *Yes* to delete all messages in the folder or *No* to exit.

Multimedia message settings

Select *Menu* > *Messaging* > *Multimedia messages* > *Message settings* and from the following options:

Save sent messages—Select whether you want sent messages saved to the *Sent items* folder.

Delivery reports—Select whether you want to receive reports of delivered messages.

Scale image down—Select whether you want images to automatically be scaled down.

Default slide timing—Enter the default time for slides in mm:ss format, and select *OK*.

Allow multimedia reception

Before you can use the multimedia message feature, you must specify whether you want to receive message at all times or only if you are in the service provider's home system. This is a network service. Check with your service provider for more information.

The default setting of the multimedia message service is generally on. The appearance of a multimedia message may vary depending on the receiving device.

Select *Menu* > *Messaging* > *Multimedia messages* > *Message settings* > *Allow multimedia reception* and one of the following:

Yes—Allow all incoming messages.

In home network—Allow incoming messages only if you are in the service provider's home system.

No—Block all incoming messages.

Incoming multimedia messages

To set how your phone retrieves incoming multimedia messages, select *Menu* > *Messaging* > *Multimedia messages* > *Message settings* > *Incoming multi- media messages* and one of the following:

Retrieve—Sets the phone to automatically retrieve all multimedia messages. When new messages arrive, you are notified that a multimedia message is received. Select *Show* to read the multimedia message or *Exit* to view them in your inbox later.

Retrieve manually—Choose the messages you wish to retrieve. When new messages arrive, you are notified that a multimedia message is available for

45

retrieval. If you select to manually retrieve messages, select *Show* to open the message notification, then *Retrieve*. Select *Exit* to save the notification to your inbox, and retrieve the message later.

Reject—Sets the phone to reject multimedia messages.

Allow or block advertisements
To select whether to allow or block advertisements, select *Menu* > *Messaging* > *Multimedia messages* > *Message settings* > *Allow advertisements* > *Yes* or *No*.

This setting is not available if multimedia reception is blocked.

This is a network service. Check with your service provider for more information.

■ Distribution lists

Distribution lists allow you to send text messages to a designated group of people.

Create distribution lists
1. Select *Menu* > *Messaging* > *Distribution lists* > *New list*.

   If you create a second distribution list, select *Menu* > *Messaging* > *Distribution lists* > *Options* > *Create new list*.

2. Enter a name for the list, and select *OK*.

3. To add a contact to this list, select *Add new*, and add the contacts one by one.

A distribution list only contains phone numbers of recipients.

Add and remove contacts
To add contacts, select *Menu* > *Messaging* > *Distribution lists* > the list > *Add new*. Add the contacts one by one.

To remove contacts, select *Menu* > *Messaging* > *Distribution lists* > the list > *Options* > remove contact name.

Manage distribution lists
1. Select *Menu* > *Messaging* > *Distribution lists*.

2. Lists you have created appear in the display. Scroll to the list you wish to modify; select *Options* and one of the following:

Create new list—Create a new distribution list.

Rename list—Rename the distribution list.

Clear list—Clear the distribution list of all current contacts.

Delete list—Delete the distribution list.

■ Voice messages

If you subscribe to voice mail, your network operator will give you a voice mailbox number. You need to save this number to your device to use voice mail. When you receive a voice message, your device beeps, displays a message, or both. If you receive more than one voice message, your device shows the number of voice messages received.

Save voice mailbox number

Your network operator may have already saved your voice mailbox number to your device. Select *OK* to leave the number unchanged.

1. Select *Menu* > *Messaging* > *Voice messages* > *Voice mailbox number*. The voice mailbox number is displayed.

2. If the box is empty, enter the voice mailbox area code and number, and select *OK*.

Set up voice mail

1. After you save the voice mailbox number, in the standby mode, press and hold **1**.

2. When you connect to voice mail, and the prerecorded greeting begins, follow the automated instructions to setup voice mail.

Listen to voice messages

After you set up voice mail, in the standby mode, press and hold **1**; or select *Menu* > *Messaging* > *Voice messages* > *Listen to voice messages* to dial the voice mailbox number. When you connect and the prerecorded greeting begins, follow the automated instructions to listen to your voice messages.

Automate voice mail

Voice mail services vary by network operator. The following instructions are examples of common operations. Please check with your network operator for specific instructions on using your voice mail service.

Write down voice mailbox number and process

1. Write down your voice mailbox number.

2. Call and check your voice mail as you normally would.

3. 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 similar to the following:

    Dial 8585551212, pause 5 seconds, press **1**, pause 2 seconds, press **1234**, and press **#**.

Phone numbers with dialing codes

You can insert special characters called dialing codes into phone numbers such as voice mail, and 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. To set up dialing codes, do the following:

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

2. Scroll to an *(empty)* 1-touch dialing slot, and select *Assign*.

3. Enter your mailbox phone number, including the area code.

4. Enter any dialing codes as necessary after the entered phone number.

    For example, if you pause for 5 seconds after connecting to voice mail, enter p twice (two times 2.5 seconds) after the voice mailbox number: 2145551212pp.

5. Enter any remaining pauses or other information that enables you to listen to your messages, and select *OK*.

6. Enter a name (such as voice mail), and select *OK*.

To dial and listen to your voice mail, press and hold the assigned 1-touch dialing key in the standby mode.

Insert dialing codes

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

The following dialing codes are available:

*—Bypasses a set of instructions

p—Pauses for 2.5 seconds before sending any numbers that follow

+—Replaced by the international access code

w—Waits for you to press the call key before sending the numbers or codes that follow

Clear voice mail icon

To clear the voice mail icon from the display, select *Menu* > *Messaging* > *Voice messages* > *Clear voice message icon*.

■ Wireless Web messages

Web messaging is a network service. See "Network services," p. 6.

If your network operator supports this feature, you can use the minibrowser to check for e-mail messages. Select *Menu* > *Messaging* > *Wireless Web messages* > *Connect*.

Important: Exercise caution when opening messages. E-mail messages may contain malicious software or otherwise be harmful to your device or PC.

7. Wireless Web

Wireless Web is a network service. See "Network services," p. 6.

Your device has a built-in browser you can use to connect to selected services on the mobile Internet. If your network operator supports this feature, you can view weather reports, check news or flight times, view financial information, and much more. The Web browser on your device can display content based on the Wireless Application Protocol (WAP).

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.

The security icon does not indicate that the data transmission between the gateway and the content server (or place where the requested resource is stored) is secure. The network operator secures the data transmission between the gateway and the content server.

Important: Use only services that you trust and that offer adequate security and protection against harmful software.

■ Mobile Internet access

Because mobile Internet content is designed to be viewed from your device, your network operator is now your mobile Internet service provider as well.

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

It should not be necessary to manually configure the browser on your device. Normally this is done by your network operator after you subscribe to the feature. Contact your network operator if you have problems using the browser.

■ Sign on

Select *Menu* > *Wireless Web* or the operator provided menu item.

After a brief pause, your device attempts to connect to your network operator's home page. If you receive an error message, your device may not be set up for browsing. Contact your network operator to make sure that your device is configured properly.

■ Navigate the mobile Internet

Since your device screen is much smaller than a computer screen, mobile Internet content is displayed differently than you may be accustomed to seeing. This section contains guidelines for using the keys to navigate a WAP site.

Phone keys

- Press the power key to display the minibrowser home screen.

- Scroll up or down to browse the WAP site.

- Select an item.

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

- To enter special characters, press *.

Receive a call while online

If your data connection is not active, you may still be able to receive a voice call while using the WAP browser.

- To answer the incoming call, press the call key.

- To reject the incoming call, press the end key (a network-dependent feature).

While in the voice call, you are not able to load new pages in the browser.

Note: If your data connection is active, the incoming calls are automatically forwarded to voice mail, depending on your network.

Make an emergency call while online

You can end your data connection and make an emergency call.

1. To close your mobile Internet connection, press the end key.

2. Press the end key as many times as needed to clear the display and ready the device for calls.

3. Enter the emergency number for your present location. Emergency numbers vary by location.

4. Press the call key.

Clear the cache and disconnect

A cache is a memory location that is used to store data temporarily. If you have tried to access or have accessed confidential information requiring passwords, empty the cache after each use. The information or services you have accessed are stored in the cache. To empty the cache while in the browser menu, select

Navigate > **Advanced** > **Clear** > **Cache** from the home page. To clear the cache and power off your device, press and hold the power key.

To close your mobile internet connection while browsing, press the end key.

8. My Albums

You can save pictures, video clips, recordings, and ringing tones to folders in *My Albums* and add new folders. You can download images and tones using MMS, SMS, mobile Internet sites, or Nokia PC Suite.

Note: Only compatible devices offering compatible multimedia message features can receive and display multimedia messages.

Your device supports a digital rights management system to protect content you have acquired. Content such as ringing tones, can be protected and associated with certain usage rules, for example, the number of usage times or a certain usage period. Usage rules are defined in the content activation key that can be delivered with the content or delivered separately, depending on your network operator. You may be able to update the activation key. Always check the delivery terms of any content and activation key before acquiring them, as they may be subject to a fee.

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

Your device has about 14 MB of memory for storing files in *My Albums*. This memory is not shared with other functions, such as contacts. If the device displays a message that the memory is full, delete some existing files before proceeding.

■ Folders

1. Select *Menu* > *My Albums* > *Images*, *Video clips*, *Themes*, *Graphics*, *Tones*, *Recordings*, *Received files*, or a folder you created.

2. Select *Open* to view a list of the files in the folder or *Options* to access the following:

   Delete folder —Delete a folder you have created. You cannot delete a preset folder.

   Move—Move the selected folder into another folder. After selecting *Move*, scroll to another folder, and select *Move to*. You cannot move a preset folder.

   Rename folder—Rename a folder you have created. You cannot rename a preset folder.

   Details—Show the name, size, and date of creation of the selected folder.

Type of view > *List with details*, *List*, or *Grid*—Determine how to display the folders and files within them.

Sort—Sort the contents of the selected folder by name, date, format, or size.

Add folder—Create a new folder.

Memory status—Check the available memory for the device handset.

Activation key list—View the list of available activation keys. You can delete activation keys if desired.

Mark or *Unmark*—Mark or unmark folders to be deleted or moved.

Mark all—Mark all folders to be deleted.

■ Fun frames and clip art

In the gallery, you can select photos and clip art and save them as screen savers and wallpaper. To personalize photos, clip art, screen savers, and wallpaper add your own text, add a frame, change the size of an image, and adjust the contrast.

Select *Menu* > *My Albums* > *Images* > *Options* > *Edit image* > *Options* > *Insert text*, *Insert frame*, *Insert clip-art*, *Insert image*, or *Crop image*.

When adding text, you can select the font style, size, and color, and rotate the font.

9. Shop

Shop is a network service for downloading music, ringing tones, images, videos, games, and applications. Contact your network operator for more information. See "Network services,"p. 6.

10. Media

■ Media player

With the media player you can download, view, and play compatible images, audio and video files, and animated images from a variety of sources.

The media player enables you to play streaming video and audio from a network server. Streaming is a network service and requires network support. Check the availability of these services, pricing, and tariffs with your network operator or the service provider whose service you want to use. Network operators will also give you instructions on how to use their services.

Select *Menu* > *Media* > *Media player* > *Online media*, *Open My Albums*, *Go to address*, or *FF/Rew interval*.

Online media—Connect to the operator's network. This is a network service.

Open My Albums—Open *My Albums*. From *My Albums*, you can play stored audio and video files. See "My Albums," p. 53.

Go to address—Connect to a Web address.

FF/Rew interval—Set the fast forward and rewind interval to 10 seconds, 20 seconds, or 30 seconds; or set an interval.

■ Voice recorder

You can record pieces of speech or sound with your device and listen to them later. The total available time is 3 minutes with no memos stored. The maximum length of a recording depends on how much memory remains available. Select *Menu* > *Media* > *Recorder* > *Record* to start the recording or *Recordings list* to manage the folder you have defined for recording storage.

Record speech or sound

1. Select *Menu* > *Media* > *Recorder*.

2. To start the recording, select the record virtual button using the right and left scroll keys; press *Select*.

3. Hold the phone in the normal position near your ear, and record your message.

4. When you are finished recording, select the stop virtual button.

56

The recording is given a default name and saved to the *Recordings list*. The default location of the *Recordings list* is the *Recordings* folder in *My Albums*.

After you have made a recording, select *Options* > *Play last recorded* to replay the recording and *Send last recorded* > *Via infrared*, *Via Bluetooth*, or *Via multimedia* to send the recording to a compatible phone. These options are only available during the current recording session.

Options

After you save the recording to the *Recordings* folder, highlight the recording, and select *Open* to listen to the recording using the earpiece; or select *Options* and one of the following:

Delete—Erase the recording.

Send—Send the recording using multimedia, infrared, or Bluetooth connectivity.

Rename—Change the name of the recording.

Use tone—Use your recording as a ringing tone (a network-dependent feature).

Details—Show the name, size, and date of creation of the recording.

Type of view > *List with details*, *List*, or *Grid*—Determine how to display the recording.

Sort—Sort the contents of the recording by name, date, format, or size.

Mark—Mark recordings to delete.

Mark all—Mark all recordings to be deleted.

■ Media equalizer

The equalizer enhances the sound quality of the music player by amplifying or attenuating frequency bands. You can access five preset equalizer settings (*Normal*, *Pop*, *Rock*, *Jazz*, and *Classical*) and two customizable settings.

Warning: Listen to music at a moderate level. Continuous exposure to high volume may damage your hearing. Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

Activate an equalizer set

Select *Menu* > *Media* > *Equalizer*, scroll to the desired setting, and select *Activate*.

Create a custom equalizer set

1. Select *Menu* > *Media* > *Equalizer*.

2. Scroll to *Set %N* or *Set %N*, and select *Options* > *Edit*.

    The selected set appears in the display with the bar on the far left highlighted. The bars adjust frequencies, from the lowest (the leftmost bar) to the highest (the rightmost bar). The higher the indicator on a particular bar, the more that frequency is amplified.

3. To adjust the lowest frequency, scroll up and down on the bar.

4. To adjust other frequencies, scroll left or right to the other bars.

5. Repeat steps 3 and 4 to adjust the setting for each frequency; then select *Save*.

6. To rename the setting, select *Options* > *Rename*, enter a new name, and select *OK*.

7. To activate the setting, select *Activate*.

11. Settings

Use this menu to change profiles, themes, main display settings, mini display settings, tone settings, time and date settings, call settings, phone settings, voice commands, enhancement settings, security settings, application settings, network settings, network services, and restore factory settings.

■ Profiles

Profiles define how your device reacts when you receive a call or message and how your keypad sounds when you press a key. You can leave ringing options, keypad tones, and other settings for each of the available profiles at their default setting, or customize them to suit your needs.

Profiles are also available for enhancements such as the headset and car kit. See "Enhancement settings," p. 75.

To activate a profile, select *Menu* > *Settings* > *Profiles* > *Normal*, *Silent*, *Meeting*, *Outdoor*, *My profile 1*, or *My profile 2* > *Activate*.

Customize a profile

You can customize any of the profiles in various ways.

1. Select *Menu* > *Settings* > *Profiles*.

2. Select the profile you want to customize.

3. Select *Customize* and the option you want to customize.

Set a timed profile

You can use timed profiles to prevent missed calls. For example, suppose you attend an event requiring your device set to *Silent* before the event starts, but you forget to return it to *Normal* until long after the event. A timed profile can prevent missed calls by returning your device to the default profile at a time you specify. You can set timed profiles up to 24 hours in advance.

1. Select *Menu* > *Settings* > *Profiles*.

2. Select the profile you want to activate and *Timed* for timed expiration.

3. Enter the time in *hh:mm* format for the profile to expire, and select *OK*.

■ Main display

The main display is inside the cover.

Standby mode settings

You can choose settings for the display of the standby screen on the main display.

Wallpaper

Select *Menu* > *Settings* > *Main display* > *Standby mode settings* > *Wallpaper* and one of the following:

On—Activate wallpaper on your phone.

Off—Deactivate wallpaper on your phone.

Wallpapers—Choose an image or slide set from *My Albums* for wallpaper. Select *Open* to browse the *Images* folder. Select the image or slide set of your choice. Or, select *Open Camera* > *Capture* > *Set* to select a new photo for wallpaper.

Font color

To set the font color of your phone when in the standby mode, select *Menu* > *Settings* > *Main display* > *Standby mode settings* > *Standby mode font color*. Scroll to select a color from the color grid.

Screen saver

To choose a screen saver for the main display, select *Menu* > *Settings* > *Main display* > *Screen saver* and one of the following:

On—Activate the screen saver on your phone.

Off—Deactivate the screen saver on your phone.

Screen savers > *Image*, *Video Clip*, *Slide set*, *Digital clock*, or *Open Camera*— an image, video clip, or other option to act as your screen saver.

Time-out—Modify the idle time before the screen saver activates.

Power saver is automatically activated after the time-out of the screen saver to optimize battery life.

Power saver

When this feature is enabled, the display shows only a simplified display after a time-out period. Select *Menu* > *Settings* > *Main display* > *Power saver* > *On* or *Off*.

60

Banner

If your wireless service provider supports this feature, you can choose whether the display shows the operator logo or a custom banner, when the phone is in the standby mode. Select *Menu* > *Settings* > *Main display* > *Banner* > *Default* or *Customize*.

Backlight time-out

To control the time-out of the backlight on your phone, select *Menu* > *Settings* > *Main display* > *Backlight time-out*.

■ Mini display

The mini display is outside the cover.

Wallpaper

Select *Menu* > *Settings* > *Mini display* > *Wallpaper* and one of the following:

On—Activate wallpaper on your phone.

Off—Deactivate wallpaper on your phone.

Wallpapers—Choose an image or slide set from *My Albums* for wallpaper. Select *Open* to browse the *Images* folder. Select the image or slide set of your choice. Or, select *Open Camera* > *Capture* > *Set* to select a new photo for wallpaper.

Screen saver

To choose a screen saver for the main display, select *Menu* > *Settings* > *Mini display* > *Screen saver* and one of the following:

On—Activate the screen saver on your phone.

Off—Deactivate the screen saver on your phone.

Screen savers > *Image*, *Video Clip*, *Slide set*, *Digital clock*, or *Open Camera*— an image, video clip, or other option to act as your screen saver.

Time-out—Modify the idle time before the screen saver activates.

Power saver is automatically activated after the time-out of the screen saver to optimize battery life.

Power saver

When this feature is enabled, the display shows only a simplified display after a time-out period. Select *Menu* > *Settings* > *Mini display* > *Power saver* > *On* or *Off*.

■ Themes

A theme contains many elements for personalizing your phone, such as wallpaper, screen saver, color scheme, and a ringing tone.

Themes automatically loads wallpapers, screen savers, ringing tones and background colors. Selecting a theme over-writes previous settings. Individual settings for a theme can be overwritten independently in the settings menu. For example, a theme selects a wallpaper, a screen saver, and a default ringing tone. The default ringing tone within a theme can be overwritten. See "Tone settings," p. 62.

1. Your phone has a default theme. To choose the theme on your display, select *Menu* > *Settings* > *Themes* > *Select theme* > *Themes*.

2. Scroll to a theme, and select *Apply*.

■ Tone settings

You can adjust the ringing volume, keypad tones, and more for the active profile. See "Customize a profile," p. 59 for more information on profile settings.

Select *Menu* > *Settings* > *Tones* and one of the following:

Incoming call alert—Select how the device notifies you of an incoming call.

Ringing tone—Select the ringing tone for incoming calls.

Incoming call video > *Off* or *Incoming call video*—Indicate whether to replace the default audio ringing tone with the selected video.

When a video ringing tone is selected, the video is only displayed on the internal or main display screen. It is recommended not to select *Answer when fold is opened* with a video ringing tone. See "Open fold to answer," p. 64.

Ringing volume—Set the volume of your ringing tone.

Vibrating alert > *On* or *Off*—Set the vibrating alert.

Message alert tone—Select the tone for received messages.

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

Warning tones > *On* or *Off*—Set warning and confirmation tones.

Alert for—Define which caller groups the selected profile will accept or decline. See "Caller groups," p. 26.

■ Time and date settings

Clock

Select *Menu* > *Settings* > *Time and date* > *Clock* > *Show clock*, or *Hide clock*, *Set the time*, *Time zone* or *Time format*.

Date

Select *Menu* > *Settings* > *Time and date* > *Date* > *Show date* or *Hide date*, *Set the date*, *Date format*, or *Date separator*.

Date and time auto-update

Auto-update is a network service. See "Network services," p. 6. If your network operator supports this feature, you can allow the digital network to set the clock, which is useful when you travel to another network or time zone.

Select *Menu* > *Settings* > *Time and date* > *Auto-update of date & time* > *On*, *Confirm first*, or *Off*.

If you use the *Auto-update of date & time* option while outside the digital network, you may be prompted to enter the time manually. Network time replaces the time and date when you reenter your digital network.

If your battery has been removed or has discharged outside the digital network, you may be prompted to enter the time manually (when the battery is replaced or recharged, and you are still outside of the digital network).

■ Call settings

Location info sharing

Location info sharing is available for the Nokia 6155i device. Location info sharing is a network service. See "Network services," p. 6.

If your wireless service provider supports this feature, then location info sharing allows the device to share position information over the network. For calls to emergency numbers, this position information may be used by the emergency operator to determine the position of the device. The functionality and accuracy of this feature are dependent on the network, satellite systems, and the agency

receiving the information. This feature may not function in all areas or at all times.

Select *Menu* > *Settings* > *Call* > *Location info sharing* and from the following:

Emergency—This is the default profile. The device location information is shared only during an emergency call to the official emergency number programmed into your device. The screen displays ▣▤▣ in the upper left hand corner in the standby mode.

On—The device location information is shared with the network whenever the device is powered on and activated. The screen displays ▣▥▣ in the upper left hand corner in the standby mode.

Location information is shared with the network during emergency calls to the official emergency number programmed into the device, regardless of the setting. After making an emergency call, the device remains in the emergency mode for 5 minutes. During this time, the location information is shared with the network. See "Emergency calls," p. 109.

Anykey answer

Anykey answer enables you to answer an incoming call. Briefly press any key except the right selection or end key. Select *Menu* > *Settings* > *Call* > *Anykey answer* > *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 device redials the number (number of times is specified by the network), and notifies you when the network is available. Select *Menu* > *Settings* > *Call* > *Automatic redial* > *On* or *Off*.

1–touch dialing

To activate or deactivate 1-touch dialing, select *Menu* > *Settings* > *Call* > *1- touch dialing* > *On* or *Off*. See "Set up 1-touch dialing," p. 26.

Open fold to answer

By default, your phone answers an incoming call when you open the fold. You can change the default setting to have your phone not answer calls with the fold open. Select *Menu* > *Settings* > *Call* > *Answer when fold is opened* > *On* or *Off*.

Automatic service update

Your device is capable of receiving updates to wireless services sent to your device by your network operator. Select *Menu* > *Settings* > *Call* > *Automatic update of service* > *On* or *Off*.

Calling cards

If you use a calling card for long distance calls, save the calling card number in your phone. The phone can store up to four calling cards. Contact your calling card company for more information.

Save information

1. Select *Menu* > *Settings* > *Call* > *Calling card*.

2. Enter your lock code, and select *OK*. See "Security settings," p. 76.

3. Scroll to the calling card of your choice, and select *Options* > *Edit* > *Select* > *Dialing Sequence*.

4. Select one of the following sequence types:

   Access no.+phone no.+card no.—Dial the access number code for the calling card, the phone number, then enter the card number (and PIN code if required).

   Access no.+card no.+phone no.—Dial the access number for the calling card, card number (plus PIN if required), then enter the phone number.

   Prefix+phone no.+card no.—Dial the prefix (numbers that must precede the phone number) and phone number, then enter the card number (and PINcode if required).

5. Enter the required information (access number or prefix and card number), and select *OK* to confirm your entries.

6. Select *Card name* > enter the card name > *OK*.

Select a calling card

You can select one of the calling cards for which you have saved information. The selected card information is used when you make a card call.

1. Select *Menu* > *Settings* > *Call* > *Calling card*.

2. Enter your lock code, and select *OK*. See "Security settings," p. 76.

3. Scroll to the calling card of your choice, and select it.

Make card calls

After you have selected a calling card, make a card call.

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

2. Press and hold the send key for a few seconds until *Card call* is displayed.

3. Follow the instructions on the screen.

4. When you hear the tone or system message, select *OK*.

Data or fax calls

Data and fax calling is a network service. See "Network services," p. 6. If your network operator supports this feature, you can set up the device to send or receive data and fax calls when connected to a device such as a PDA or PC.

For better performance during data calls, place the device on a stationary surface. Do not move the device or hold it in your hand during a data call.

For more information on connectivity, refer to the PC/PDA Connectivity Guide, which can be downloaded from the Nokia Web site at **http://www.nokia.com/us**.

1. Select *Menu* > *Settings* > *Call* > *Data/fax calls* > *Incoming data/fax call* and one of the following options:

   Normal—The device receives incoming calls as usual.

   Data calls only—The device receives only data calls.

   Fax calls only—The device receives only fax calls.

2. When finished with receiving the fax or data call, repeat step 1 , and select *Normal*.

Data transfer

To view the transmission speed when sending or receiving data and fax calls, select *Menu* > *Settings* > *Call* > *Data/fax calls* > *Data rate display* > *Graphic* or *Off*.

Call summary

To display the time spent on a call when you hang up, select *Menu* > *Settings* > *Call* > *Call summary* > *On* or *Off*.

66

Show call time

To see the call time on the display screen after each call, select *Menu* >
Settings > *Call* > *Show call time on display* > *On* or *Off*.

Ringing tone for no caller ID

To select a different ringing tone for calls received with no caller ID or restricted
numbers, select
Menu > *Settings* > *Call* > *Ringing tone for no caller ID* > *On* or *Off*.

Push to talk settings

To enable or disable Push to talk, use the handset or loudspeaker, or to confirm
calls, select *Menu* > *Settings* > *Call* > *Push to talk settings* and one of the
following:

Push to talk service > *Enable* or *Disable*

Default audio > *Loudspeaker* or *Handset*

Confirm push to talk calls > *Yes* or *No*.

■ Phone settings

Language settings

The phone language affects the time and date formats of the clock, and alarm
clock. Select *Menu* > *Settings* > *Phone* > *Language settings* > *Phone language*
and the language of your choice.

The writing language selects the language used for messaging, calendar, notes,
and to-do lists. Select *Menu* > *Settings* > *Phone* > *Language settings* > *Writing
language* and the language of your choice.

Automatic keyguard

You can set the keypad of your device to lock automatically after a preset time delay.

1. Select *Menu* > *Settings* > *Phone* > *Automatic keyguard* > *On* or *Off*.

2. If you select *On*, *Set delay:* is displayed.

3. Enter the delay time (in mm:ss format), and select *OK*.

When keyguard is on, it may be possible to dial the emergency number programmed
into your device.

Navigation key

If supported by your wireless service provider, you can set the features that are activated when you press the scroll key.

1. Select *Menu* > *Settings* > *Phone* > *Navigation key*.

2. Highlight the scroll up, scroll down, scroll right, or scroll left arrow; select *Change*.

3. Select a function to assign to the action.

Memory status

To view the size of available memory on your device, select *Menu* > *Settings* > *Phone* > *Memory status*.

To view the size of available memory for application installations, select *Menu* > *Extras* > *Games* or *Collection* > *Options* > *Memory*.

Touch tones

Touch tones, or DTMF tones, are the tones that sound when you press the keys on your device keypad. You can use touch tones for many automated dial-up services such as banking and airlines or for entering your voice mailbox number and password.

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

Set type

Select *Menu* > *Settings* > *Phone* > *Touch tones* > *Manual touch tones* and one of the following options:

Continuous—Set the tone sound for as long as you press and hold a key.

Fixed—Send tones of the duration you specify in the *Touch tone length* option.

Off—Turn off tones. No tones are sent when you press a key.

Set length

To specify touch-tone length for the *Fixed* option, select *Menu* > *Settings* > *Phone* > *Touch tones* > *Touch tone length* > *Short* (0.1 seconds) or *Long* (0.5 seconds).

Start-up tone

To have a start-up tone when you first turn on your device, select *Menu* > *Settings* > *Phone* > *Start-up tone* > *On* or *Off*.

68

Welcome note

You can write a welcome note which briefly appears on the display screen whenever you switch your phone on.

Dictionary mode is not available for entering welcome note text.

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

2. Select *Options* to choose a writing language or insert a smiley.

3. Enter a note (up to 44 characters).

   Press * to display and select from available special characters.

4. When you are finished, select *Save*. Select *Options* > *Delete* to delete the previous text and begin creating another welcome note.

Help text activation

Your device displays brief descriptions for most menu items. When you arrive at a feature or menu, pause for about 14 seconds, and wait for the help text to be displayed. To scroll through the text, use the scroll key.

The default setting for help text is *On*. To turn help text on or off, select *Menu* > *Settings* > *Phone* > *Help text activation* > *On* or *Off*.

■ Voice commands and voice tags

Before using voice tags, note the following:

- Voice tags are not language-dependent, but depend on the speaker's voice.
- You must say the name exactly as you said it when you recorded it.
- Voice tags are sensitive to background noise. Record voice tags, and use them in a quiet environment.
- Very short names are not accepted. Use long names, and avoid similar names for different numbers.

Note: Using voice tags may be difficult in a noisy environment or during an emergency, so you should not rely on voice dialing in all circumstances.

Hands-free operation

You can set as many as 16 voice commands to enable hands-free operation of certain features in your device.

Assign a voice tag to a command

Before using voice commands, you must first add a voice tag to the device function.

1. Select *Menu* > *Settings* > *Voice commands*.

2. Select the device function you want to tag: *Profiles*, *Messages*, *Infrared*, *Voice recorder* , or *Call history*.

3. If necessary, select an option associated with that function.

4. Select *Start*, and speak the voice tag clearly into the microphone. Do not select *Quit* unless you want to cancel the recording.

The device replays and saves the recorded tag. appears next to commands with assigned voice tags .

Activate a voice command

After you have associated a voice tag with a function in your device, to issue a command, speak the voice tag.

1. In the standby mode, press and hold the right selection key or voice key.

2. With *Speak now* displayed, pronounce the voice tag clearly into the microphone.

With the voice tag found, the device displays *Found:*, and plays the recognized voice tag through the earpiece. The function you requested is activated.

Options

After you have associated a voice tag to a command, you can select one of the following options:

Playback—Press the center selection key to listen to the voice command tag.

Change—Select *Options* > *Change* to change the voice command.

Delete—Select *Options* > *Delete* to erase the voice command tag.

■ Connectivity

You can connect the phone to a compatible device using an infrared (IR) connection or Bluetooth wireless connectivity. You can also connect the phone to a compatible PC using IR, Bluetooth connectivity, or a USB data cable; and use the phone as a modem to enable connectivity from the PC.

For more information, see the Nokia PC Suite online help. Nokia PC Suite and all related software can be downloaded from the Mobile Phone products section of **www.nokia.com**.

Important: Only install and use applications and other software from sources that offer adequate security and protection against harmful software.

Bluetooth connectivity

Bluetooth technology enables cost-free wireless connections between electronic devices and can be used to send and receive images, text, gallery files, voice recordings, video clips, notes, business cards, and calendar notes. It can also be used to connect wirelessly to other products that use Bluetooth wireless technology, such as computers. You can synchronize your phone and your PC using Bluetooth connectivity.

Since devices with Bluetooth connectivity communicate using radio waves, your phone and the other device do not need to be in direct line-of-sight.

The two devices only need to be within 10 meters (30 feet)of each other. The connection can be subject to interference from obstructions such as walls or other electronic devices.

Whether used actively or in the background, Bluetooth wireless technology consumes the battery and reduces the operating time of the phone.

This device is compliant with Bluetooth Specification 1.2 and supports the following profiles:

- Object push profile (OPP)
- File transfer profile (FTP)
- Dial-up networking profile (DUN)
- Generic object exchange profile (GOEP)
- Headset profile (HSP)
- Hands-free profile (HFP)
- Generic access profile (GAP)
- Serial port profile (SPP)

To ensure interoperability between other devices supporting Bluetooth technology, use only enhancements approved by Nokia for this model. Check with the manufacturers of other devices to determine their compatibility with this device.

There may be restrictions on using Bluetooth technology in some locations. Check with your local authorities or service provider. If you want more

information on this function, visit the Bluetooth Technology organization
Web site: **https://www.bluetooth.org/**.

Features using Bluetooth technology, or allowing such features to run in the
background while using other features, increase the demand on battery power
and reduce the battery life.

Pairing

You can set up a permanent association (pairing) between your phone and
another device with Bluetooth technology. Some devices may require pairing
before data transfer can take place.

To pair with a device, you and the owner of the other device must agree on a
passcode of 1–16 numeric characters. The first time you try to connect the
devices, you must each enter the same passcode. After the devices are paired, you
do not need to use the passcode again, so there is no need to remember it.

Paired devices are placed in your paired device list. You can view the list even
when Bluetooth connectivity is not active or when the devices in the list are not
available for connection.

Select *Menu* > *Settings* > *Connectivity* > *Bluetooth* > *Paired devices* > *Options*
and one of the following:

Assign short name—Give a nickname to the selected device (visible to you only).

Auto-conn. with- out confirmation—Select *No* if you want the phone to connect
to the selected device automatically or *Yes* if you want the phone to ask for your
permission first.

Delete pairing—Delete the pairing to the selected device.

Pair new device—Search for active devices with Bluetooth technology within
range, scroll to the desired device, and select *Pair* to establish pairing with that
device. Do not accept Bluetooth connectivity from sources you do not trust.

Bluetooth connectivity settings

You can define how your phone is shown to other devices with Bluetooth
connectivity. Select *Menu* > *Settings* > *Connectivity* > *Bluetooth* > *Bluetooth
settings* and one of the following:

My phone's visibility—Select *Shown to all* to show the phone to all other devices
with Bluetooth connectivity or *Hidden* to show the phone only to the paired
devices. Operating the phone in hidden mode is a safer way to avoid malicious
software.

My phone's name—Change your phone name that is seen by other users.

Set up a connection

1. Select *Menu* > *Settings* > *Connectivity* > *Bluetooth* > *On*. The active Bluetooth technology connection is indicated by ⬚ at the top of the display.

2. Select *Search for audio enhancements* to search for compatible devices with Bluetooth connectivity. The list of found devices appears in the display.

3. Select the desired device. If required, enter the Bluetooth connectivity passcode of the device to complete the pairing.

4. If required, enter the Bluetooth connectivity passcode of the device to pair with the device.

Your phone connects to the device. You can start data transfer.

To view the device you are connected to, select *Menu* > *Settings* > *Connectivity* > *Bluetooth* > *Active device*.

To deactivate Bluetooth connectivity, select *Menu* > *Settings* > *Connectivity* > *Bluetooth* > *Off*. Deactivation of the Bluetooth technology connection does not affect other functions of the phone.

Send data

You can use other phone menus to send various types of data to other devices with Bluetooth connectivity. For example, you can send a video clip from the *Video clips* folder of *My Albums* menu. See the appropriate sections of the user guide for information about sending different types of data.

Receive a data transfer

When a Bluetooth technology connection is active in your phone, you can receive notes, business cards, video clips, and other types of data transfers from another device with Bluetooth connectivity. When you receive a data transfer, an alarm sounds, and a message appears in the standby mode.

To view the transferred item immediately from the standby mode, select *Show*. To view the item later, select *Exit*.

The item is saved in the appropriate menu in your phone. For example, a business card is saved in *Contacts*, and a calendar note is saved in *Calendar*.

Infrared connectivity

You can set up the phone to receive data through its infrared (IR) port. To use an IR connection, transmission and reception must be to or from an IR compatible

phone or device. Your device cannot send or receive images, photos, videos, music or ringing tones through IR connectivity between phones or other devices.

Do not point the IR beam at anyone's eye or allow it to interfere with other IR devices. This device is a Class 1 laser product.

Send and receive data

1. Ensure that the IR ports of the sending and receiving devices are pointing at each other and that there are no obstructions between the devices.

   The preferable distance between the two devices in an IR connection is from 7.62 cenimeters to 0.91 meters (3 inches to 3 feet).

2. To activate IR in your phone, select *Menu* > *Settings* > *Connectivity* > *Infrared*.

3. The user of the other device must also activate IR.

If data transfer is not started within 2 minutes after the activation of the IR port, the connection is canceled and must be restarted. The phone does not support sending files from the gallery directly to another phone or device via IR. It is not possible to receive images, photos, videos, music, or ringing tones via IR connection from other phones or devices.

Connection indicator

* When ![icon] is shown continuously, the IR connection is activated and your phone is ready to send or receive data using its IR port.

* When ![icon] blinks, your phone is trying to connect to the other device or a connection has been lost.

Data cable transfer

To transfer data from your phone to a compatible PC or from a compatible PC to your phone, use a CA-53 USB data cable. To disconnect the cable from the device, hold the connector, and remove the cable.

Disconnect the USB data cable from the phone to make a call.

Enable default mode connection

Connect to your PC in *Default mode* to transfer phone data and files between your phone and PC using PC Suite.

1. Connect your PC and your phone with a CA-53 USB data cable. A notification is displayed that asks which mode you want to select.

2. Select *Accept* > *Default mode*. A notification is displayed stating that a connection is active.

You can now use PC Suite to connect to your phone.

Disable data storage connection

1. To disable the USB data cable, double-click the green arrow on the taskbar at the bottom of your PC screen.

   Unplug or **Eject Hardware** is displayed.

2. Click on USB Device in the Hardware devices window.

   Stop a Hardware device is displayed.

3. Highlight **USB device**, and click **OK**.

   The **Safe to Remove Hardware** pop-up window is displayed with the following message **"The 'USB Device' device can now be safely removed from the system."**

4. Click **OK**.

■ Enhancement settings

The enhancement settings menu is shown only if the device has been connected to a compatible enhancement. Select *Menu* > *Settings* > *Enhance-ments* > *Hearing aid*, *Headset*, *Handsfree*, or *Charger*.

Charger

Select an option to modify its settings.

Default profile—Choose the profile you want automatically activated with your device connected to the charger.

Lights > *On* or *Automatic*—Choose to keep the device lights always on, or to shut off automatically after several seconds.

Hearing aid

To use a T-coil hearing aid with your device, select *Menu* > *Settings* > *Enhance-ments* > *Hearing aid* > *T-coil hearing aid mode* > *On* or *Off*.

Headset

Important: The headset may affect your ability to hear sounds around you. Do not use the headset in situations that may endanger your safety.

Select the option of your choice to enter the submenu and modify its settings.

Default profile—Choose the profile you want automatically activated with a headset connected.

Automatic answer > *On* or *Off*—Answer calls automatically after one ring with a headset connected.

Hands-free operation

Select an option to modify its settings.

Default profile—Choose the profile you want automatically activated with your device connected to a car kit.

Automatic answer > *On* or *Off*—Answer calls automatically after one ring with a car kit connected.

Lights > *On* or *Automatic*—Choose to keep the device lights always on, or to shut off automatically after several seconds.

■ Security settings

When first accessing the security settings, enter the preset lock code. Depending on your wireless service provider, this can be the last four digits of your phone number, 1234, or 0000. If none of these work, contact your wireless service provider for help.

Phone lock

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

With the device locked, calls may still be possible to the official emergency number programmed into your device.

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

2. Enter the lock code, and select *OK*. See "Change lock code," p. 77.

3. Select *Phone lock* and one of the following options:

   Off—Immediately turns off the device lock feature.

   Lock now—Immediately turns on the device lock feature.

On power-up—Turns on the device lock feature the next time you turn the device on.

With *Lock now* selected, you must enter your lock code before the device can function normally.

Call not allowed is displayed if you attempt to place a call with your device locked. To answer a call with the phone lock on, select *Answer*, or press the call key.

Allow numbers

With the phone lock on, the only outgoing calls you can make are to the emergency number programmed into your device or the number stored in the *Allowed no. when phone locked* location:

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

2. Enter the lock code, and select *OK*. See "Change lock code," p. 77.

3. Select *Allowed no. when phone locked*. With an empty folder selected, select *Assign*, and enter the phone number; or select *Assign* > *Find* to recall the number from your contacts list. Select *OK*.

To call the allowed phone number, scroll down to highlight the number you want to call, or enter it on the keypad; press the call key to place the call.

Change lock code

To ensure the security of your device, you may want to change the preset lock code to your own selected four digit number. Avoid using codes similar to emergency numbers to prevent accidental dialing of the emergency number.

With the wrong lock code entered five times in succession, your phone will not accept your correct lock code for 5 minutes, even if you power off the device between incorrect entries.

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

2. Enter the lock code, and select *OK*.

3. Select *Change lock code*.

4. Enter the new lock code (must be 4 characters in length).

5. Reenter the new lock code for verification, and select *OK*.

When changing your lock code, make sure you store it in a safe place, away from your device.

77

Call restrictions

Select call restrictions to block or allow numbers for incoming and outgoing calls. With any numbers entered as allowed numbers, all those entered as blocked numbers are ignored. With a number blocked, the phone blocks any call from it, and sends the caller to the voice mail.

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

2. Enter the lock code, and select *OK*. See "Change lock code," p. 77.

3. Select *Call restrictions*.

4. Select the types of calls you want to restrict:

   Restrict outgoing calls—Set restrictions on making calls.

   Restrict incoming calls—Set restrictions on receiving calls.

5. Select whether to block or allow numbers:

   Blocked numbers—Set the numbers the phone blocks, allowing all the rest.

   Allowed numbers—Set the numbers the phone can call or receive, blocking all the rest.

6. Select one of these options: *Select*, *Add restriction* (unavailable with memory full), *Edit* (unavailable with no number added), or *Delete* (unavailable with no number added).

With restricted calls, you may still call the official emergency number programmed into your device.

Voice privacy

Voice privacy is a network service. See "Network services," p. 6. If your wireless service provider supports this feature, the voice privacy feature protects the privacy of your current phone conversation from other callers placing phone calls on your same network.

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

2. Enter the lock code, and select *OK*. See "Change lock code," p. 77.

3. Select *Voice privacy* > *On* or *Off*.

■ Application settings

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

2. Scroll to one of the following submenus to activate options for preset or downloaded games or applications:

   Application sounds > *On* or *Off*

78

Application lights > *App. defined* or *Default*

Application vibration > *On* or *Off*

■ Network

The menu options you see in your device depend on your network operator's network. Check with your network operator for more information.

The *Network* menu enables you to customize the way your device chooses a network in which to operate while you are within or outside of your primary or home system. Your device is set to search for the most cost-effective network. If your device cannot find a preferred network, it selects a network automatically based on the option you choose in the *Network* menu.

Roaming options

You can set your device to roam or search for another network when you are not in your home area.

Select *Menu* > *Settings* > *Network* > *Roaming options* and one of the following options:

Home only—You can make and receive calls in your home area only.

Automatic—The device automatically searches for service in another digital network. If no service is found, the device uses analog service. The roaming rate applies when not in the home service area.

Mode

To choose whether your device uses digital or analog service, select *Menu* > *Settings* > *Network* > *Mode* and one of the following service options:

Digital preferred—The device works in digital mode but also works in analog mode when digital mode is unavailable.

Digital only—The device only works in digital mode.

Analog only—The device only works in analog mode.

■ Network services

The following features are network services. See "Network services," p. 6.

Call forwarding

Call forwarding tells your network to redirect incoming calls to another number. Call forwarding is a network service and may not work the same in all networks, so contact your network operator for availability.

Activate

The following options may not all appear in the display. Contact your network operator for more information.

1. Select *Menu* > *Settings* > *Network services* > *Call forwarding* > *Forward all calls*, *Forward if busy*, *Forward if not answered*, or *Forward if out of reach* > *Activate*.

2. Enter the number to which you want to forward your calls, data, or other information, and select *OK*.

Cancel

Select *Menu* > *Settings* > *Network services* > *Call forwarding* > *Cancel all call forwarding*. *Cancel all call forwarding* may affect your ability to receive voice mail messages. Contact your network operator for specific details.

Store a feature code

1. Select *Menu* > *Settings* > *Network services* > *Network feature setting*.

2. Enter the feature code from your network operator (for example, *633), and select *OK*.

3. Select the type of service that matches the feature code you entered (for example, *Call forwarding*).

   The activated feature code is now stored in your device, and you are returned to the *Feature code:* field. Continue entering other feature codes (for example, *633), or press the end key to return to the standby mode. When you enter a network feature code successfully, the feature becomes visible in the *Network services* menu.

My number selection

Select *Menu* > *Settings* > *Network services* > *My number selection*. This feature is network-dependent.

■ Restore settings

You can reset some of the menu settings to their original values. Data that you have entered or downloaded is not deleted (for example, entries in your contacts list are not affected).

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

2. Enter the lock code, and select *OK*. See "Change lock code," p. 77.

Depending on your wireless service provider, your device may ask you for the security code (defaulted to 12345) instead of the lock code.

■ Phone details

To view the current details of your phone, select *Menu* > *Settings* > *Phone details* and one of the following options:

User details—Shows the phone's current number details.

Version details—Shows the hardware, software, and browser version information for the phone.

System details—Shows the digital network the phone is on.

Icon details—Shows the icons used.

12. Games and Applications

Challenge yourself or a friend to one of the fun games in your device. Some menus listed are network services. Contact your network operator for more information. To download games or applications, select either the *Games* or *Collection* menu.

Important: Only install and use applications and other software from sources that offer adequate security and protection against harmful software.

■ Games

Select *Menu* > *Extras* > *Games* to display the games on your device.

■ Collection

Collections is a network service. See "Network services," p. 6. If your network operator supports this feature, you will find useful applications pre-installed on your device. Also, you can manage and download new Java applications that may be offered by your network operator.

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.

Leaving applications running in the background increases the demand on battery power and reduces the battery life.

Select *Menu* > *Extras* > *Collection* and an application.

13. Camera

You can take photos and record video clips with the built-in 1.0 megapixel camera. The camera lens is on the front of the device. The camera produces photos in JPEG format and video clips in H.264 (SubQCIF) format.

When taking and using images or video clips, obey all laws and respect local customs as well as privacy and legitimate rights of others.

After you capture an image or video, you can attach it to a multimedia message, save it as a wallpaper, save it on a compatible PC using Nokia PC Suite software, and upload it to a Web address with the content image uploader. When you attach an image to an entry in your list of contacts, the image is displayed when the contact calls you.

Your device supports an image capture resolution of 1.0 megapixels (1152 x 864 pixels). The image resolution in these materials may appear different.

If there is not enough memory to take a new photo, delete old photos or other files in the gallery.

■ Take a photo

1. In the standby mode, press the camera key to activate the camera, or select *Menu* > *Camera*.

2. Select *Capture* to take the photo. When taking a photo, you hear a shutter sound, and the photo is displayed. A blinking icon or scrolling indicator is displayed as the photo is saved to the images folder of gallery.

   To change the camera mode from still image to video, or video to still image, select *Options* and the mode you want.

3. Select *Back* to take another photo or *Options* and one of the following:

   Video—Change from still image to video.

   Zoom—Zoom in closer, with up to 6x zoom, before capturing a photo or get a closer look at the captured photo; use the scroll key to navigate around the photo.

   Night mode on or *Night mode off*—Turn night mode on or off.

   Flash on or *Flash off*—Turn the flash on or off.

   Self-timer on—Use the self-timer to delay capturing a photo for 10 seconds, or set to *Self-timer off*.

Img. sequence on—Take a series of six pictures in sequence, or set to *Img. sequence off*.

Open My Albums —Open My Albums to view saved images, videos, and recordings.

Settings—Select options in *Image quality*, *Video clip quality*, *Video clip length*, *Camera sounds*, *Self-timer lights*, *Default title*, *Image and video storage*, or *Default mode*.

After capturing a photo, select from the following options:

Zoom—Zoom in closer, with up to 6x zoom, to get a closer look at the captured photo; use the scroll key to navigate around the photo.

New image—Select to capture a new photo.

Send > *Via multimedia*, *Via infrared*, or *Via Bluetooth*—Send a photo to a compatible device or PC.

Attach to contact—Attach an image to a contact in *Names*.

Rename—Enter or edit the name of the captured photo, and select *OK*.

Open My Albums —Open the gallery to view saved images.

Set contrast—Scroll to adjust the contrast of the captured photo.

Edit image—Insert text, frames, clip art or images; or crop the image.

Print—Connect to a printer with a USB data cable.

Use image—Use the image as wallpaper, a screen saver, or a contact image.

Details—View the *Name*, *Size*, *Created*, *Format*, *Resolution*, or *Copyright* of a captured photo.

Still image—Change from video to still image.

View previous—View the previous photo.

Keep a safe distance when using the flash. Do not use the flash on people or animals at close range. Do not cover the flash while taking a picture.

Record a video clip

You can record a video clip up to 12 frames per second.

1. Select *Menu* > *Camera* > *Options* > *Video* > *Record*. While you are recording, the recording indicator and the remaining recording time are displayed.

84

2. Select *Pause* to pause the recording, *Continue* to resume the recording, or *Stop* to stop the recording. The device saves the recording in the video clip folder in the gallery.

3. Select *Back* to record another video or *Options* and one of the following:

   Still image—Go back to standard photo mode.

   Zoom—Zoom in closer before recording a video or get a closer look at the recorded video; scroll to navigate around the photo.

   Mute or *Unmute* —Turn the sound on or off.

   Flash on/*Flash off*—Turn the flash on or off.

   View previous—View the previous video.

   Open My Albums—Open the video clip folder of the gallery.

   Settings—Select options in *Image quality*, *Video clip quality*, *Video clip length*, *Camera sounds*, *Self-timer lights*, *Default title*, *Image and video storage*, or *Default mode*.

After recording a video, select from the following options:

Delete—Delete the video clip.

New video clip—Select to record a new video.

Send—Send the video clip to another device as a multimedia message or use IR connectivity or Bluetooth connectivity.

Rename—Rename the video clip.

Open My Albums—Open the video clip folder of the gallery.

Mute audio or *Unmute audio* —Turn the sound on or off.

Set contrast—Scroll to increase or decrease contrast of the selected video.

Use video clip—Use the video clip as a screen saver, a call video, or a contact video.

Details—View details of the selected video, such as name, size, time and date created, length, file format, and copyright information.

Self-timer

Select *Menu* > *Camera* >*Options* > *Self-timer on* to set a timer and delay capturing a photo for 10 seconds. When a beep sounds, select *Start*. The self-timer runs and beeps faster when the camera is about to capture the photo. After

the time-out, the camera takes the photo and saves it in the images folder of the gallery.

Settings

Select *Menu* > *Camera* > *Options* >*Settings* to change the settings in the camera mode. Select one of the following options:

Image quality—Define file compression when saving the image. Select *High*, *Normal*, or *Basic*. High uses the least file compression and provides the best image quality but takes more memory.

Video clip quality—Define the quality of a video clip. Select *High*, *Medium*, or *Low*.

Video clip length—Select *Default* or *Maximum* (up to 3 minutes). Video clips longer than the default length may exceed memory constraints for multimedia messaging.

Self-timer lights > *On* or *Off*—Set self-timer lights.

Default title—Select *Automatic* to use a predefined title or *My title* to enter or edit a new title.

Image and video storage—Select the folder for image storage.

Default mode—Set to a standard photo or video.

14. Tools

Your device contains features to help organize your everyday life,
including an alarm clock, calendar, notes, to-do list, calculator, countdown timer,
and stopwatch.

■ Alarm clock

If the alarm time arrives with the device switched off, the device switches itself
on and starts sounding the alarm tone. If you select *Stop*, the device asks whether
you want to activate the device for calls. Select *No* to switch off the device or *Yes*
to make and receive calls. Do not select *Yes* when wireless phone use may cause
interference or danger.

Set or change alarm setting

The alarm clock sounds an alert anytime you specify and even works with the
device turned off.

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

2. Enter the time for the alarm in *hh:mm* format.

3. Select *am* or *pm* (with *12-hour* format selected), and select *OK*. *Alarm on*
    appears briefly in the display, and 🔖 appears in the standby mode.

Repeat alarm

To set the alarm to repeat, select *Menu* > *Tools* > *Alarm clock* > *Repeat alarm*.

Set the alarm tone

To set which tone to play when the alarm sounds, select *Menu* > *Tools* > *Alarm
clock* > *Alarm tone* > *Standard*, or *Open My Albums* to choose the tone you want
to use.

Snooze time-out

To set the alarm snooze time, select *Menu* > *Tools* > *Alarm clock* > *Snooze time-
out* > *5 minutes*, *10 minutes*, *15 minutes*, *30 minutes*, *60 minutes*, or *Other* (to
enter up to 60 minutes snooze time).

Stop the alarm

When the alarm sounds, your device beeps, vibrates (if vibrating alert is on for
currently active profile), and the display lights up.

87

With the device on, select *Stop* to shut the alarm off or *Snooze*. With *Snooze* selected, the alarm stops for 10 minutes, and *Snooze on* appears in the display.

If you do not press a key, the alarms stops (snoozes) for 10 minutes, then sounds again. You can also select *Menu* > *Tools* > *Alarm clock* > *Snooze time-out* to reset the snooze time.

Turn an alarm off

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

■ Calendar

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

The monthly view provides an overview of the selected month and weeks, enabling 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.

Open

Select *Menu* > *Tools* > *Calendar*, or scroll right. Scroll to move the cursor in some calendar views.

Go to a date

1. Select *Menu* > *Tools* > *Calendar* > *Options* > *Go to date*.

2. Enter the date (*mm:dd:yyyy*), and select *OK*.

Note types

You can apply five types of notes to your calendar. Your device asks for further information depending on which note you choose. You also have the option to set an alarm for any note you select.

1. Enter the date for which you want to set a reminder. See "Go to a date," p. 88.

2. From the monthly view (with the go-to date highlighted), select *Options* > *Make a note* and one of the following note types:

   Meeting—Enter a subject, location, and a start and end date and time.

   Call—Enter a phone number, a name, and the date and time.

   Birthday—Enter the person's name, date, and year of birth.

   Memo—Enter a subject and a start and end date.

   Reminder—Enter the subject and date of your reminder.

   You are given the option to set an alarm.

3. Enter your note, and select *Save*.

View notes (day view)

After you have created calendar notes, you can view them.

1. Select *Menu* > *Tools* > *Calendar*.

2. Scroll to the date containing the note that appears in bold type, and select *View*.

Options while viewing a list of notes

1. Select *Options* while viewing the header of a day's note to display the following:

   Make a note—Create a new note for the selected date.

   Delete—Delete the note.

   Use detail—Use or save the number, e-mail address, or Web address.

   Edit—Edit the note.

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

   Repeat—Set the note (except for birthday note) to recur on a regular basis (daily, weekly, biweekly, monthly, and yearly).

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

   Go to today—Jump to the current date on your calendar.

   Send note—Send the note to another device as a text message or in calendar-to-calendar format by way of multimedia messages or SMS.

   Copy—Copy the note for you to paste to another date.

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

   Go to to-do list—Jump to the to-do list on your calendar.

2. Select an option to activate it or enter its submenu.

Send a note

1. Select *Menu* > *Tools* > *Calendar*.

2. Scroll to the date that appears in bold type, containing the note you want to send, and select *View*.

89

3. Scroll to the note you want to send, and select *Options* > *Send note* > *Send as message* (*Text message* or *Multimedia msg.*), *Via calendar*, *Via Bluetooth*, or *Via infrared*.

4. If you select *Via calendar*, enter the number for the recipient, or select *Find* to retrieve a number from the contacts list; select *OK*.

   If you select *Send as message* (*Text message* or *Multimedia msg.*), the note appears as a text message in the display.

5. Select *Send to* > *Recently used* > *Send to number*, *Send to e-mail*, *Send to many*, or *Send to distrib. list*.

6. Enter the number for the recipient, or select *Find* to retrieve a number from the contacts list; select *Send*.

Receive calendar notes

When you receive a calendar note in calendar-to-calendar format, your device displays *Calendar note received*.

To view calendar notes, select *Show*, and if necessary, scroll to view the entire message.

To save calendar notes after viewing, select *Options* > *Save*.

To discard calendar notes after viewing, select *Exit* or *Options* > *Discard*.

When you receive a calendar note or text message, a message notification appears in the standby mode. You can save the note in your calendar and set an alarm for any date and time.

■ Notes

To write and save information in *Notes* and send notes using multimedia or text message, select *Menu* > *Tools* > *Notes*. With no notes created, select *Add note*, create your note, and select *Save* when done. With notes already created, highlight the note you want to use, and select *View* to read or *Options* > *Make a note*, *Delete*, *Edit*, *Use detail*, *Send note* (*Send as message* or *Via multimedia*), or *Delete all notes*.

■ To-do list

Use the to-do list feature to keep track of your tasks. You can save a note for a task, select a priority level for the note, and mark it as done when you have completed it. You can sort the notes by priority or by date.

Add a to-do note

1. Select *Menu* > *Tools* > *To-do list*.

2. If there are no notes, select *Add note*.

3. Enter the subject of the to-do note, and select *Save*.

4. Select *High*, *Medium*, or *Low* priority.

5. Enter the due date and time to set the alarm.

View a to-do note

1. Select *Menu* > *Tools* > *To-do list*.

2. Highlight a to-do note, and select *Options* and one of the following:

    Add—Add another note.

    Delete—Delete the note.

    Mark note as done or *Mark as not done*—Mark a note or task as completed or not; if completed, no more reminders will follow.

    Sort by deadline—Sort the notes according to their deadline.

    Send—Send the note to another device, as a text or multimedia message, or as a calendar note to another compatible device.

    Go to calendar—Leave the to-do list, and go to the calendar.

    Save to calendar—Save the to-do note to a date on your calendar.

    Delete done notes—Delete all the completed to-do notes.

    Delete all notes—Delete all the to-do notes in the list.

3. Select the view of the to-do note, and select *Edit* to edit the note or *Options* to select from the following:

    Deadline—Set a deadline for the note, listing any uncompleted notes if existing.

    Mark note as done or *Mark as not done*—Mark a note or task as completed or not; if completed, no more reminders will follow.

    Delete—Delete the note.

    Use detail—Use or save the number, e-mail address, or Web address.

    Edit priority—Change the priority to high, medium, or low.

    Send—Send the note to another device, as a text or multimedia message, or as a calendar note to another compatible device.

    Go to calendar—Leave the to-do list, and go to the calendar.

91

Save to calendar—Save the to-do note to a date on your calendar.

■ Calculator

The calculator in your device adds, subtracts, multiplies, divides, calculates the square and the square root, changes the sign of the number entered, and converts currency values.

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

1. Select *Menu* > *Tools* > *Calculator*.

2. Enter the first number in the calculation. Press **#** for a decimal point if necessary.

   To change the sign, select *Options* > *Change sign*, or scroll up or down.

   To perform a square or square root calculation, select *Options* > *Square* or *Square root*.

   To cycle through the add (+), subtract (-), multiply (*), and divide (/) characters, press *****.

3. Enter the second number in your calculation.

4. Select *Equals* to complete the calculation or *Options* if more functions are required.

Currency converter

You can convert foreign currency to domestic, or vice versa, directly in the standby mode or from the *Calculator* menu.

> **Note:** When you change base currency, you must enter the new rates because all previously set exchange rates are cleared.

1. Select *Menu* > *Tools* > *Calculator* > *Options* > *Exchange rate* > *Foreign units in home units* or *Home units in foreign units*.

   Foreign units in home units—The number of home units cost to make one unit of foreign currency.

   Home units in foreign units—The number of foreign units cost to make one unit of your home currency.

2. Enter the exchange rate (press **#** to insert a decimal), and select *OK*.

3. In the standby mode, enter the currency amount to be converted.

4. Select *Options* > *To home* or *To foreign*.

   To home—converts foreign currency to domestic currency.

To foreign—converts domestic currency to foreign currency.

5. If you do not enter an exchange rate, the device prompts you. Select *OK*. You can edit the exchange rate anytime.

■ Timer

The timer in your device enables you to enter a specific time (up to 99 hours and 59 minutes). When the time runs out, your device sounds an alarm.

Note: The timer only works when the device is on. When you turn off your device, the timer is no longer active.

Set the timer

1. Select *Menu* > *Tools* > *Timer* > *Normal timer*, *Interval timer*, or *Settings*.

    Normal timer measures the time for tasks that have one period (timer name). *Interval timer* saves sets of times with more than one period.

2. Enter the time (in *hh:mm:ss* format), and select *OK*.

3. Enter a note for the timer, and select *Start*.

appears in the standby mode with the timer set. When the time runs out, your device sounds an alarm, displays the timer note, vibrates (if set), and flashes its lights.

Press any key during the alarm to stop the alarm. After 30 seconds the timer alert stops automatically.

Change the time

After you set the timer, you can change the time.

1. Select *Menu* > *Tools* > *Timer* > *Change time*.

2. Enter the new time, and select *OK*.

3. Leave the note as it was, or enter a new note; select *Start*.

Interrupt the timer

After you have set the timer, you can stop the timer. Select *Menu* > *Tools* > *Timer* > *Stop timer*.

■ Stopwatch

You can use the stopwatch in your device to track time. The stopwatch displays time in hours, minutes, seconds, and fractions of a second in *hh:mm:ss:s* format.

Using the stopwatch or allowing it to run in the background when using other features increases the demand on battery power and reduces the battery life.

93

Measure time

1. Select *Menu* > *Tools* > *Stopwatch* > *Split timing* or *Lap timing* > *Start*. The running time is displayed.

   Split timing—You can use the split time function when you need to pace yourself, for example in a long distance race. Select *Split* to note the lapsed time. The timer continues to run, and the split time appears below the running time. Each time you select *Split*, the new measured time appears at the beginning of the list.

   Lap timing—You can use the lap time function when you want to track how long it takes to complete each cycle or lap. Select *Lap* to note the lap time. The clock stops, then starts immediately from zero. The lap time appears below the running time. Each time you select *Lap*, the new measured time appears at the beginning of the list.

2. Select *Stop* to end the timing and display the total time or *Stop* > *Options* > *Start* or *Reset* to continue or reset timing.

Lap and split times

To save a time while the clock is running, select *Stop* > *Save*, enter a name for the measurement, and select *OK*. If you do not enter a name, the total time is used as the default title for the lap or split time.

To view a saved time, select *Menu* > *Tools* > *Stopwatch* > *Show last time* or *View times*.

To delete a saved time from *Stopwatch*, select *View times* and the time to delete, and select *Delete* > *Yes*; or select *Delete times* > *One by one* or *Delete all*.

Operation note

If you press the end key and return to the standby mode, the clock continues to run in the background, and ⏰ appears in the upper left corner.

To return to the stopwatch screens, select *Menu* > *Tools* > *Stopwatch* > *Continue*. To stop the clock, select *Stop*.

Options

You can choose the following options when you use the stopwatch:

Continue—Appears when the stopwatch is working in the background.

Show last time— Appears when you have saved a split or lap time and displays the last time saved.

Split timing—Asks if you want to discontinue previous timing.

Lap timing—Asks if you want to discontinue previous timing.

View times—Enables you to browse the saved times.

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

15. Push to talk

Push to talk is a radio service available over a CDMA cellular network. The service provides direct voice communication connected immediately with the press of a key. All *Push to talk* users must subscribe to the service. Contact your network operator for more information.

Use *Push to talk* to talk with one person or a group of people. Individuals and groups must first be added to the *Push to talk contacts* list. When your call is connected, the person or group you are calling receives an alerting tone. There is no ringing. You can set your phone to listen either with the earpiece or the loudspeaker. See "Push to talk settings," p. 67, for more information.

Warning: Continuous exposure to high volume may damage your hearing. Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

■ Connect to Push to talk

Press the push to talk key on the left side of the phone to connect to *Push to talk*. If the connection is successful, the ☺ icon appears; and the contacts list is shown.

If the connection is not successful, the icon appears. If you cannot connect, contact your network operator.

■ Add contacts

To add a contact to your contacts list for Push to talk, do the following:

1. Press the push-to-talk key to connect to Push to talk service.

2. Select *Options* > *New contact*, and enter the phone number.

3. Select *OK*, and enter the name of the contact.

4. Select *OK*. The contact is added to the contact list.

■ Add groups

You can add individual subscribers to groups. When you call a group, all members who are presently connected hear your alerting tone.

96

Press the push to talk key to connect to the Push to talk contacts list, select *Options* > *New group* , enter the name of the group, and select *OK*.

Call a temporary group

To call some members of a group or to create a temporary group of contacts, select *Mark* > *Options* > *Group call*. Select *Unmark* to change or end a temporary group.

■ Make a Push to talk call

To make a call to an individual or a group, do the following:

1. Press the push to talk key to connect to the Push to talk contacts list.

2. Select a person or group to call, and press the push to talk key again.

3. When the screen displays *Conversation open*, press the push to talk key, and wait for a double tone. After talking, release the push to talk key to listen.

4. When the call is complete, press *End call*.

To make a Push to talk call from the phonebook or log, scroll to the number, and press the push to talk key.

Push to talk calls can also be made by entering a number in the standby mode and pressing the push to talk key.

■ Determine availability of contacts

Icons in the contact list show the availability or status of each contact.

A contact or a group is available when the icon is blue and not available when the icon is red.

The contact or group is busy; try again later.

The contact or group has requested a status of do not disturb; try later.

The contact or group is unknown to the service. Check that the contact or members of the group are subscribed to the service.

■ Update presence

To set your own presence, press the push to talk key, and select *Options* > *Presence* > *Available*, *Busy*, or *Do not disturb*.

97

To update the presence of other contacts or groups, select *Options* > qtn_cdmaptt_ilist_pres_refresh.

■ Push to talk settings

To enable, disable, and customize Push to talk, select *Settings* > *Push to talk settings*, and one of the following options:

Push to talk service > *Enable* or *Disable*

Default audio > *Loudspeaker* or *Handset*

Confirm push to talk calls > *Yes* or *No*.

16. PC connectivity

■ USB data transfer

You can transfer data such as music, photos, and videos from your device to a compatible PC or from a compatible PC to your device using a DKU-2 USB data cable or the CA-53 data cable. The cable is connected to your device correctly when the arrowhead points toward the display screen. Disconnect the USB data cable from the device to make a call.

Use the Nokia Audio Manager software to handle your music files, and transfer them from the PC to your device. See "Nokia PC Suite," p. 100.

Transfer with Windows Explorer

You can use Windows Explorer to transfer music, photo, and video files to your device and from your device to your PC.

1. Connect your PC and your device with a DKU-2 USB cable or CA-53 data cable. *Data enhancement connected* is displayed on your device.

2. Open Windows Explorer. Your device appears as a local drive (with the name of your device) with a drive letter assigned to it.

3. Click the folders to display a window that shows the contents of the folder on the device.

4. Open a second instance of Windows Explorer, and display the contents of the folder on your PC where you have the desired files stored.

5. Select the files on your PC that you want to transfer to the device.

6. Drag and drop the files from the second window into the first window, and place them in a folder.

7. The files are transferred to the device and can be played or accessed by the media player.

   If you select files that require more memory than the memory capacity of the device, an error note is displayed. Deselect some of the files until the selected files fit the memory.

8. To disconnect the USB cable, double-click the green arrow on the taskbar at the bottom of your PC screen. A pop-up window displays **Unplug** or **Eject Hardware**.

9. Click **USB device** in the hardware devices window. A pop-up window displays **Stop a Hardware device**.

99

10. Highlight **USB device,** and click **OK**. The pop-up window displays **Safe to Remove Hardware**, with **The 'USB Device' device can now be safely removed from the system**. Select **OK**.

Important: To ensure that all memory card operations are completed in a controlled way, do not unplug the connectivity cable until Windows notifies you that it is safe to do so. Uncontrolled completion of the memory card operations may cause the memory card and the information stored on it to become corrupted. A corrupted memory card may have to be formatted before it can be used again. When a memory card is formatted, all information on the card is permanently lost.

■ Nokia PC Suite

Nokia PC Suite software is available for your device. Nokia PC Suite is a collection of powerful tools that you can use to manage your device features and data. Each component is a separate program that includes online help. Nokia PC Suite software, installation instructions, and other documentation are provided free of charge and can be downloaded from the software downloads of the Nokia Web site: www.nokia.com/us.

Some of the features in your device require network support. Contact your network operator for availability and configuration instructions.

• Nokia Image Converter makes images usable for multimedia messages or wallpapers and transfers them to your device.

• Nokia Sound Converter edits polyphonic ringing tones to be compatible with your device and transfers them to your device.

• Nokia Content Copier backs up information from your device to the PC or to another compatible Nokia device.

• Nokia Phone Editor sends text messages and edits the contact directory and message settings of your device.

• Nokia PC Sync synchronizes the contacts directory and calendar between your device and a compatible PC.

• Nokia Connection Manager selects the connection type between the PC and the device.

• Nokia Phone Browser copies images and tones from your device to your PC and vice versa.

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

Remember to make back-up copies of all important data.

Only install and use applications and other software from sources that offer adequate protection against harmful software.

There may be restrictions on using Bluetooth technology in some locations. Check with your local authorities or service provider.

Do not point the IR (infrared) beam at anyone's eyes or allow it to interfere with other IR devices. Infrared devices are Class 1 laser products.

17. Enhancements

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from the AC-3 or AC-4 charger.

⚠ **Warning:** Use only batteries, chargers and enhancements approved by Nokia for use with this particular model. The use of any other types may invalidate any approval or warranty, and may be dangerous. For availability of approved enhancements, please check with your dealer.

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.

Power:

- Standard 1150 mAh Li-Ion Battery (BL-6C)

- Standard Travel Charger (AC-3)

- Travel Charger (AC-4)

- Mobile Charger (DC-4)

- Charger Adapter (CA-44)

  Use the CA-44 charger adapter to connect the phone with Nokia chargers with a larger barrel size, including ACP-7, ACP-8, ACP-9, ACP-12, AC-1 (retractable charger), and LCH-12 (mobile charger).

Go to www.nokia.com/phones for more information about enhancements.

18. 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, replace the battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

If a replacement battery is being used for the first time or if the battery has not been used for a prolonged period, it may be necessary to connect the charger then disconnect and reconnect it to begin charging the battery.

Unplug the charger from the electrical plug and the device when not in use. Do not leave a fully charged battery connected to a charger, since overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time.

If the battery is completely discharged, it may take a few minutes before the charging indicator appears on the display or before any calls can be made.

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 15°C and 25°C (59°F and 77°F). 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 as they may explode. Batteries may also explode if damaged. Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

■ Nokia battery authentication guidelines

Always use original Nokia batteries for your safety. To check that you are getting an original Nokia battery, purchase it from an authorized Nokia dealer, look for the Nokia Original Enhancements logo on the packaging, and inspect the hologram label using the following steps:

Successful completion of the four steps is not a total assurance of the authenticity of the battery. If you have any reason to believe that your battery is not an authentic original Nokia battery, you should refrain from using it, and take it to the nearest authorized Nokia service point or dealer for assistance. Your authorized Nokia service point or dealer will inspect the battery for authenticity. If authenticity cannot be verified, return the battery to the place of purchase.

Authenticate hologram

1. W hen looking at the hologram on the label, you should see the Nokia connecting hands symbol from one angle and the Nokia Original Enhancements logo when looking from another angle.
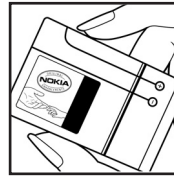
2. When you angle the hologram left, right, down, and up, you should see 1, 2, 3, and 4 dots on each side respectively.
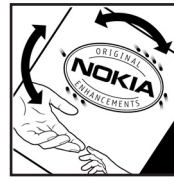
3. Scratch the side of the label to reveal a 20-digit code, for example, 12345678919876543210. Turn the battery so that the numbers are facing upwards. The 20-digit code reads starting from the number at the top row followed by the bottom row.
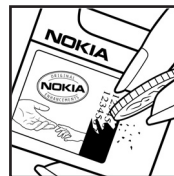
4. Confirm that the 20-digit code is valid by following the instructions at **www.nokia.com/batterycheck**.

What if your battery is not authentic?

If you cannot confirm that your Nokia battery with the hologram on the label is an authentic Nokia battery, please do not use the battery. Take it to the nearest authorized Nokia service point or dealer for assistance. The use of a battery that is not approved by the manufacturer may be dangerous and may result in poor performance and damage to your device and its enhancements. It may also invalidate any approval or warranty applying to the device.

To find out more about original Nokia batteries, visit **www.nokia.com/battery**.

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.

- 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 attempt to remove the battery from the device. Nokia recommends that you take the device to the nearest authorized service facility for replacement of the battery.
- 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 a soft, clean, dry cloth to clean any lenses, such as camera, proximity sensor, and light sensor lenses.
- 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.
- Use chargers indoors.
- Always create a backup of data you want to keep, such as contacts and calendar notes, before sending your device to a service facility.

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

Your device and its enhancements may contain small parts. Keep them out of the reach of small children.

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. This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 2.2 cenimeters (7/8 inches) away from the body. When a carry case, belt clip, or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body.

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

■ 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 device 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 15.3 cenimeters (6 inches) be maintained between a wireless device or 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 do the following:

- Always keep the device more than 15.3 cenimeters (6 inches) from their pacemaker when the device is switched on
- Not carry the device in a breast pocket

107

- Hold the device to the ear opposite the pacemaker to minimize the potential for interference.

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

Hearing aids

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, and 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.

Using your device while flying in aircraft is prohibited. Switch off your device before boarding an aircraft. The use of wireless teledevices in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network, and may be illegal.

■ 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 refueling 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.

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

■ Emergency calls

Important: Wireless phones, including this device, 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 device for essential communications like medical emergencies.

To make an emergency call, make sure your device is properly charged before attempting any emergency calls. If your battery becomes empty, you cannot receive or make calls, including emergency calls and must wait a few minutes after the charging begins to place your call.

1. If the device is not on, switch it on. Check for adequate signal strength. Some networks may require that a valid UIM (CDMA SIM) card is properly inserted in the device.

2. Press the end key as many times as needed to clear the display and ready the device for calls.

3. Enter the official emergency number for your present location, and press the call key. Emergency numbers vary by location.

If certain features are in use, you may first need to turn those features off before you can make an emergency call. If the device is in an offline or flight mode you must change the profile to activate the device function 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 device 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 mobile device meets guidelines for exposure to radio waves.

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include

safety margins designed to assure the protection of all persons, regardless of age and health.

The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit set by ICNIRP is 2.0 watts/kilogram (W/kg) averaged over 10 grams of tissue. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The actual SAR level of an operating device can be well below the maximum value because the device is designed to use only the power required to reach the network. That amount changes depending on a number of factors such as how close you are to a network base station. The highest SAR value when tested according to international testing procedures for use at the ear is 0.71 W/kg.

Use of device accessories and enhancements may result in different SAR values. SAR values may vary depending on national reporting and testing requirements and the network band. Additional SAR information may be provided under product information at **www.nokia.com.**

Your mobile device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA) and Industry Canada. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear is 1.06 W/kg and when properly worn on the body is 0.81 W/kg.

Information about this device can be found on the FCC's website at **http://www.fcc.gov/oet/fccid** by searching the equipment authorization system using FCC ID: QMNRM-125.

■ Hearing aid compatibility (HAC)

For hearing aid compatibility, you must turn off the Bluetooth connectivity.

Your mobile device model complies with FCC rules governing hearing aid compatibility. These rules require an M3 microphone or higher value. The M-value, shown on the device box, refers to lower radio frequency (RF) emissions. A higher M-value generally indicates that a device model has a lower RF emissions level, which may improve the likelihood that the device will operate with certain hearing aids. Some hearing aids are more immune than others are to interference. Please consult your hearing health professional to determine the M rating of your hearing aid and whether your hearing aid will work with this device. More information on accessibility can be found at **www.nokiaaccessibility.com**.

For best results, fully extend the antenna for hearing aid compatibility.

110

■ Technical information

Dimensions: Width 45.3 mm, Length 86.7 mm, Depth 25.1 mm

Weight: < 115 g with BL-6C Li-Ion Battery

Volume: < 83.5 cc

Wireless networks: 1900/800 Mhz CDMA, plus 800 AMPS

Frequency range (Tx): PCS 1851.25–1908.75 MHz; Cellular 824.70–848.37 MHz; 800 AMPS: 824.04–848.97

Frequency range (Rx): PCS 1931.25–1988.75 MHz; Cellular 869.70–893.37 MHz; 800 AMPS: 869.04–893.97

Bluetooth: 2402.0 - 2480.0 MHz

GPS: 1575 MHz

■ Battery information

This section provides information about battery charging times with the Compact Charger (AC-3), the Travel Charger (AC-4), talk-times, and standby times. Be aware that the information in this section is subject to change. For more information, contact your service provider.

Charging times

The following charging times are approximate:

Travel Charger (AC–4): up to 1 hour 45 minutes

Compact Charger (AC–3): up to 3 hours 45 minutes

Talk and standby times

Operation times are estimates only and depend on signal strength, phone use, network conditions, features used, battery age and condition (including charging habits), temperatures to which the battery is exposed, and many other factors.

Talk time: up to 4 hours (digital)

Standby time: up to 10 days

Index

Index