

Nokia 7020 User Guide

Issue 2.0

Contents**Safety****4****General information****6**

About your device

6

Network services

7

Shared memory

8

Access codes

8

Support

9

Software updates over the air

10

Get started**10**

Insert SIM card and battery

10

Charge the battery

11

Antenna

12

Headset

13

Keys and parts

14

Switch the phone on and off

15

Tapping

15

Display

16

Calls**17**

Make and answer a call

17

Loudspeaker

17

Dialling shortcuts

18

Write text**18**

Text modes

18

Traditional text input

19

Predictive text input

19

Navigate the menus**20****Messaging****21**

Text and multimedia messages

21

Flash messages

23

Nokia Xpress audio messages

24

Nokia Mail

24

Voice messages

27

Message settings

27

Contacts**28****Call log****29**

Settings	30	Maps	46
Profiles	30		
Tones	30	Web or Internet	51
Display	30	Connect to a web service	52
Date and time	31		
Shortcuts	31	SIM services	52
Synchronisation and backup	32		
Connectivity	32	Green tips	53
Call and phone	35	Save energy	53
Accessories	36	Recycle	54
Configuration	36	Learn more	54
Restore factory settings	37		
		Product and safety information	54
Gallery	37		
		Index	67
Applications	38		
Alarm clock	38		
Calendar and to-do list	39		
Extras	40		
Camera and video	41		
FM radio	42		
Voice recorder	43		
Media player	44		

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



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

SWITCH OFF IN RESTRICTED AREAS



Follow any restrictions. Switch the device off in aircraft, near medical equipment, fuel, chemicals, or blasting areas.

QUALIFIED SERVICE



Only qualified personnel may install or repair this product.

ACCESSORIES AND BATTERIES



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

WATER-RESISTANCE



Your device is not water-resistant. Keep it dry.

General information

About your device

The wireless device described in this guide is approved for use on the GSM 850, 900, 1800, 1900 MHz networks. Contact your service provider for more information about networks.

Your device may have preinstalled bookmarks and links for third-party internet sites and may allow you to access third-party sites. These are not affiliated with Nokia, and Nokia does not endorse or assume liability for them. If you access such sites, take precautions for security or content.

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 device use may cause interference or danger.

When using this device, obey all laws and respect local customs, privacy and legitimate rights of others, including copyrights. Copyright protection may prevent some images, music, and other content from being copied, modified, or transferred.

Make back-up copies or keep a written record of all important information stored in your device.

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

The images in this guide may differ from your device display.

Refer to the user guide for other important information about your device.

Network services

To use the device you must have service from a wireless service provider. Some features are not available on all networks; other features may require that you make specific arrangements with your service provider to use them. Network services involve transmission of data. Check with your service provider for details about fees in your home network and when roaming on other networks. Your service provider can explain what charges will apply. Some networks may have limitations that affect how you can use some features of this device requiring network support such as support for specific technologies like WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols and language-dependent characters.

8 General information

Your service provider may have requested that certain features be disabled or not activated in your device. If so, these features will not appear on your device menu. Your device may also have customized items such as menu names, menu order, and icons.

Shared memory

The following features in this device may share memory: multimedia messaging (MMS), e-mail application, instant messaging, remote. Use of one or more of these features may reduce the memory available for the remaining features. If your device displays a message that the memory is full, delete some of the information stored in the shared memory.

Access codes

The security code helps to protect your phone against unauthorised use. You can create and change the code, and set the phone to request the code. Keep the code secret and in a safe place separate from your phone. If you forget the code and your phone is locked, your phone will require service and additional charges may apply. For more information, contact a Nokia Care point or your phone dealer.

The PIN code supplied with the SIM card protects the card against unauthorized use. The PIN2 code supplied with some SIM cards is required to access certain services. If you

enter the PIN or PIN2 code incorrectly three times in succession, you are asked for the PUK or PUK2 code. If you do not have them, contact your service provider.

The module PIN is required to access the information in the security module of your SIM card. The signing PIN may be required for the digital signature. The barring password is required when using the call barring service.

To set how your phone uses the access codes and security settings, select **Menu > Settings > Security**.

Support

When you want to learn more about how to use your product or you are unsure how your device should function, see the user guide or see the support pages at www.nokia.com/support or your local Nokia website, or with a mobile device, www.nokia.mobi/support.

If this does not resolve your issue, do one of the following:

- Restart the device: switch off the device, and remove the battery. After about a minute, replace the battery, and switch on the device.
- Restore the original factory settings as explained in the user guide.

10 Get started

- Update your device software regularly for optimum performance and possible new features, as explained in the user guide.

If your issue remains unsolved, contact Nokia for repair options. See www.nokia.com/repair. Before sending your device for repair, always back up the data in your device.

Software updates over the air

If software updates over the air are supported by your network, you may also be able to request updates through the device.

Downloading software updates may involve the transmission of large amounts of data (network service).

Make sure that the device battery has enough power, or connect the charger before starting the update.

Get started

Insert SIM card and battery

Always switch the device off and disconnect the charger before removing the battery.

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



- 1 With the back of the device facing you, lift and remove the back cover (1).
- 2 Remove the battery if inserted (2).
- 3 Slide the SIM card holder to unlock it (3), and swing it open (4).
- 4 Insert the SIM card into the holder with the contact surface facing down (5), and close it (6).
- 5 Slide the card holder back to lock it (7).
- 6 Insert the battery (8), and replace the back cover (9).

Charge the battery

Your battery has been partially charged at the factory. If the device indicates a low charge, do the following:

12 Get started



- 1 Connect the charger to a wall outlet.
- 2 Connect the charger to the device.
- 3 When the device indicates a full charge, disconnect the charger from the device, then from the wall outlet.

You do not need to charge the battery for a specific length of time, and you can use the device while it is charging. If the battery is completely discharged, it may take several minutes before the charging indicator appears on the display or before any calls can be made.

Antenna



Your device may have internal and external antennas. Avoid touching the antenna area unnecessarily while the antenna is transmitting or receiving. Contact with antennas affects the communication quality and may cause a higher power level during operation and may reduce the battery life.

The figure shows the antenna area marked in grey.

Headset

Warning:

When you use the headset, your ability to hear outside sounds may be affected. Do not use the headset where it can endanger your safety.

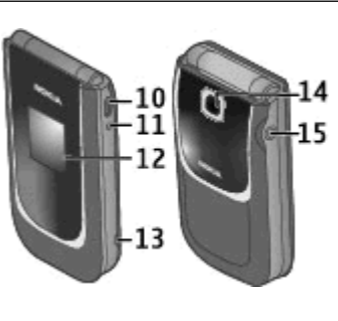
When connecting any external device or any headset, other than those approved by Nokia for use with this device, to the Nokia AV Connector, pay special attention to volume levels.

Do not connect products that create an output signal as this may cause damage to the device. Do not connect any voltage source to the Nokia AV Connector.

14 Get started

Keys and parts

1	Earpiece	
2	Display	
3	Selection keys	
4	Call key	
5	Navi™ key (scroll key)	
6	Microphone	
7	Middle selection key	
8	End/Power key	
9	Keypad	

10	USB port	
11	Charger connector	
12	Secondary display	
13	Wrist strap eyelet	
14	Camera	
15	Headset connector	

Switch the phone on and off

To switch the phone on or off, press and hold the power key.

Tapping

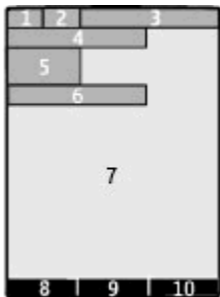
The tapping function allows you to quickly see notifications, and to display a clock just by tapping twice the secondary display with the fold closed.

16 Get started

Select **Menu > Settings > Phone > Sensor settings** to activate or deactivate the tapping function and vibration feedback.

If you have missed calls or received new messages, you must view them before you can see the clock.

Display



- 1 Signal strength of the cellular network
- 2 Battery charge status
- 3 Indicators
- 4 Name of the network or the operator logo
- 5 Clock

- 6 Date (only if the enhanced home screen is deactivated)
- 7 Display
- 8 Function of the left selection key
- 9 Function of the scroll key
- 10 Function of the right selection key

You can change the function of the left and right selection key. [See "Shortcuts", p. 31.](#)

Calls

Make and answer a call

To make a call, enter the phone number, including the country code and area code if necessary. Press the call key to call the number. Scroll up to increase or down to decrease the volume of the earpiece or headset during the phone call.

To answer an incoming call, press the call key. To reject the call without answering, press the end key.

Loudspeaker

If available, you may select **Loudsp.** or **Handset** to use the loudspeaker or the earpiece of the phone during a call.

Dialling shortcuts

To assign a phone number to one of the number keys, 2 to 9, select **Menu > Contacts > Speed dials**, scroll to a desired number, and select **Assign**. Enter the desired phone number, or select **Search** and a saved contact.



To switch the speed dialling function on, select **Menu > Settings > Call > Speed dialling > On**.

To make a call using speed dialling, in the standby mode, press and hold the desired number key.

Write text

Text modes

To enter text (for example, when writing messages) you can use traditional or predictive text input.

When you write text, press and hold **Options** to switch between traditional text input, indicated by  and predictive text input, indicated by . Not all languages are supported by predictive text input.

The character cases are indicated by **AbC abC** and **ABC**.

To change the character case, press **#**. To change from the letter to number mode, indicated by **123**, press and hold **#**, and select **Number mode**. To change from the number to the letter mode, press and hold **#**.

To set the writing language, select **Options > Writing language**.

Traditional text input

Press a number key, 2-9, repeatedly until the desired character appears. The available characters depend on the selected writing language.

If the next letter you want is located on the same key as the present one, wait until the cursor appears, and enter the letter.

To access the most common punctuation marks and special characters, press **1** repeatedly. To access the list of special characters, press *****.

Predictive text input

Predictive text input is based on a built-in dictionary to which you can also add new words.

- 1 Start writing a word, using the keys **2** to **9**. Press each key only once for one letter.
- 2 To confirm a word, scroll right or add a space.

20 Navigate the menus

- If the word is not correct, press * repeatedly, and select the word from the list.
- If the ? character is displayed after the word, the word you intended to write is not in the dictionary. To add the word to the dictionary, select **Spell**. Enter the word using traditional text input, and select **Save**.
- To write compound words, enter the first part of the word, and scroll right to confirm it. Write the last part of the word, and confirm the word.

3 Start writing the next word.

Navigate the menus

The phone functions are grouped into menus. Not all menu functions or option items are described here.

In the standby mode, select **Menu** and the desired menu and submenu. Select **Exit** or **Back** to exit the current level of menu. Press the end key to return to the standby mode directly. To change the menu view, select **Menu > Options > Main menu view**.

Messaging

Create and receive messages, such as text and multimedia, with your device. The messaging services can only be used if your network or service provider supports them.

Text and multimedia messages

You can create a message and optionally attach, for example, a picture. Your phone automatically changes a text message to a multimedia message when a file is attached.

Text messages

Your device supports text messages beyond the limit for a single message. Longer messages are sent as two or more messages. Your service provider may charge accordingly. Characters with accents, other marks, or some language options take more space, and limit the number of characters that can be sent in a single message.

The total number of characters left and the number of messages needed for sending are displayed.

To send messages, the correct message centre number must be stored in your device. Normally, this number is set by default through your SIM card.

To set the number manually, do the following:

22 Messaging

- 1 Select Menu > **Messaging** > **More** > **Msg. settings** > **Text messages** > **Message centre**.
- 2 Enter the name and number supplied by your service provider.

Multimedia messages

A multimedia message can contain text, pictures, and sound or video clips.

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 MMS messages. If the inserted picture exceeds this limit, the device may make it smaller so that it can be sent by MMS.

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

For availability and subscription to the multimedia messaging service (MMS), contact your service provider.

Create a message

- 1 Select Menu > **Messaging** > **Create message**.
- 2 Write your message.

To insert a special character or a smiley, select **Options > Insert symbol**.

To attach an object to the message, select **Options > Insert object**. The message type changes automatically to multimedia message.

- 3 To add recipients, select **Send to** and a recipient.

To enter a phone number or mail address manually, select **Number or e-mail**. Enter a phone number, or select **E-mail**, and enter a mail address.

- 4 Select **Send**.

Multimedia messages are indicated with an icon at the top of the display.

Service providers may charge differently depending on the message type. For details, contact your service provider.

Flash messages

Flash messages are text messages that are instantly displayed upon reception.



Select **Menu > Messaging**.

- 1 Select **More > Other messages > Flash message**.
- 2 Write your message.
- 3 Select **Send to** and a contact.

Nokia Xpress audio messages

Create and send audio messages using MMS in a convenient way.

Select **Menu** > **Messaging**.

- 1 Select **More** > **Other messages** > **Audio message**.
The voice recorder opens.
- 2 To record your message, select .
- 3 To stop recording, select .
- 4 Select **Send to** and a contact.

Nokia Mail

Access your mail account with your device to read, write, and send mail. This mail application is different from the SMS mail function.

Before you can use mail, you must have an mail account from an mail service provider. For availability and the correct settings, contact your mail service provider. You may receive the mail configuration settings as a configuration message.

Mail setup wizard

The mail setup wizard opens automatically if no mail settings are defined in the device. To open the setup wizard, to add an additional mail account, select **Menu** >

Messaging and the existing mail account. Select **Options > Add mailbox**. Follow the instructions.

Write and send a mail

You may write your mail before connecting to the mail service.

- 1 Select **Menu > Messaging > More > E-mail and Create e-mail**.
- 2 Enter the recipient's mail address, the subject, and the mail message. To attach a file, select **Options > Insert**.
- 3 If more than one mail account is defined, select the account from which you want to send the mail.
- 4 Select **Send**.

Read a mail and reply

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

Select **Menu > Messaging**.

Download mail headers

Select your mail account.

Download a mail and its attachments

Select a mail and **Open** or **Retrieve**.

Reply to or forward a mail

Select **Options** > **Reply** or **Forward**.

Disconnect from your mail account

Select **Options** > **Disconnect**. The connection to the mail account automatically ends after some time without activity.

New mail notifications

Your device can automatically check your mail account at set intervals, and issue a notification when new mail is received.

Select **Menu** > **Messaging** > **More** > **E-mail**.

- 1 Select **E-mail settings** > **Edit mailboxes**.
- 2 Select your mail account, **Downloading sett.**, and the following options:

Update interval — Set how often your device checks your mail account for new mail.

Automatic retrieval — Retrieve new mail automatically from your mail account.

- 3 To enable new mail notification, select **E-mail settings > New e-mail notif..**

Voice messages

The voice mailbox is a network service to which you may need to subscribe. For more information, contact your service provider.

Call your voice mailbox

Press and hold **1**.

Edit your voice mailbox number

Select **Menu > Messaging > More > Voice messages and Voice mailbox no..**

Message settings

Select **Menu > Messaging and More > Msg. settings.**

Select from the following:

General settings — Save copies of sent messages in your device, overwrite old messages if the message memory becomes full, and set up other preferences related to messages.

Text messages — Allow delivery reports, set up message centres for SMS and SMS mail, select the type of character


support, and set up other preferences related to text messages.

Multimedia msgs. — Allow delivery reports, set up the appearance of multimedia messages, allow the reception of multimedia messages and advertisements, and set up other preferences related to multimedia messages.

Service messages — Activate service messages, and set up preferences related to service messages.

Contacts

Select **Menu > Contacts**.

You can save names and phone numbers in the device memory or on the SIM card. In the device memory, you can save contacts with numbers and text items. Names and numbers saved on the SIM card are indicated with .

Add a contact

Select **Add new**.

Add details to a contact

Ensure that the memory in use is either **Phone** or **Phone and SIM**. Select **Names**, scroll to the name, and select **Details > Options > Add detail**.

Search for a contact

Select **Names**, and scroll through the list of contacts or enter the first letters of the name.

Copy a contact to another memory

Select **Names**, scroll to the contact, and select **Options** > **More** > **Copy contact**. On the SIM card, you can save only one phone number for each name.

Select where to save contacts, how contacts are displayed, and the memory consumption of contacts

Select **More** > **Settings**.

Send a business card

In the contacts list, scroll to a contact, and select **Options** > **More** > **Business card**. You can send and receive business cards from devices that support the vCard standard.

Call log

To view the information on your calls, messages, data, and synchronisation, select **Menu** > **Log** and the desired item.

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.

Settings

Profiles

Your phone has various setting groups called profiles, which you can customise with ringing tones for different events and environments.

Select **Menu > Settings > Profiles**, the desired profile, and from the following options:

Activate — to activate the selected profile

Personalise — to change the profile settings

Timed — to set the profile to be active for a certain time. When the time set for the profile expires, the previous profile that was not timed becomes active.

Tones

You can change the tone settings of the selected active profile.

Select **Menu > Settings > Tones**. You can find the same settings in the **Profiles** menu.

Display

To view or adjust the wallpaper, font size, or other features related to the phone display, select **Menu > Settings > Display**.

Date and time

Select **Menu > Settings > Date and time.**

To set the date and time, select **Date & time settings.**

To set the formats for date and time, select **Date & time format.**

To set the phone to update the time and date automatically according to the current time zone, select **Auto-update of time (network service).**

Shortcuts

With personal shortcuts, you can get quick access to frequently used phone functions.

Select **Menu > Settings > My shortcuts.**

Assign phone functions to the selection keys

Select **Right selection key** or **Left selection key** and a function from the list.

Select shortcut functions for the scroll key

Select **Navigation key.** Scroll to the desired direction, and select **Change** or **Assign** and a function from the list.

Synchronisation and backup

Select **Menu > Settings > Sync & backup** and from the following:

Phone switch — Synchronise or copy selected data between your phone and another phone using Bluetooth technology.

Data transfer — Synchronise or copy selected data between your phone and another device, PC, or network server (network service).

Connectivity


Your phone has several features that allow you to connect to other devices to transmit and receive data.

Bluetooth wireless technology

Bluetooth technology allows you to connect your device, using radio waves, to a compatible Bluetooth device or accessory that is within 10 metres (32 feet).

Select **Menu > Settings > Connectivity > Bluetooth**.

Set up a Bluetooth connection

- 1 Select **My phone's name**, and enter a name for your device.
- 2 Select **Bluetooth > On**.  indicates that Bluetooth connectivity is active.

- 3 To connect your device to an audio accessory, select **Conn. to audio acc.** and the device that you want to connect to.
- 4 To pair your device with any Bluetooth device in range, select **Paired devices > Add new device**.
Scroll to a found device, and select **Add**.
Enter a passcode (up to 16 characters) on your device, and allow the connection on the other Bluetooth device.

If you are concerned about security, deactivate the Bluetooth function, or set **Phone visibility** to **Hidden**. Accept Bluetooth communication only from those you trust.

Connect your PC to the internet

You can use Bluetooth technology to connect your compatible PC to the internet without the PC Suite software. Your device must be able to connect to the internet (network service), and your PC must support Bluetooth technology. After connecting to the network access point (NAP) service of the device, and pairing with your PC, your device automatically opens a packet data connection to the internet.

This device is compliant with Bluetooth Specification 2.1 + EDR supporting the following profiles: Dial-up Networking

Profile (DUN) FileTransfer Profile (FTP) General Access Profile (GAP) Generic Object Exchange Profile (GOEP) Handsfree Profile (HFP) Headset Profile (HSP) Object Push Profile (OPP) Phonebook Access Profile (PBAP) Serial Port Profile (SPP) Service Discovery Application Profile (SDAP) SIM Access Profile (SAP). To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved accessories for this model. Check with the manufacturers of other devices to determine their compatibility with this device.

Features using Bluetooth technology increase the demand on battery power and reduce the battery life.

Packet data

General packet radio service (GPRS) is a network service that allows mobile phones to send and receive data over an internet protocol (IP)-based network.

To define how to use the service, select **Menu > Settings > Connectivity > Packet data > Packet data conn.** and from the following options:

When needed — to establish the packet data connection when an application needs it. The connection is closed when the application is terminated.

Always online — to automatically connect to a packet data network when you switch the phone on

You can use your phone as a modem by connecting it to a compatible PC using Bluetooth technology. For details, see the Nokia PC Suite documentation.

Call and phone

Select **Menu > Settings > Call**.

Divert incoming calls

Select **Call divert** (network service). For details, contact your service provider.

Automatically redial ten times after an unsuccessful attempt

Select **Automatic redial > On**.

Get a notification of incoming calls while you are in a call

Select **Call waiting > Activate** (network service).

Display or hide your number to the person you are calling

Select **Send my caller ID** (network service).

Answer incoming calls by opening the fold

Select **Answ. on fold open > On**.

Select **Menu > Settings > Phone**.

Set the display language

Select **Language settings** > **Phone language**.

Set the device to go to standby mode when closing the fold

Select **Fold close handling** > **Go to Home scr..**

Accessories

This menu and its various options are shown only if the phone is or has been connected to a compatible mobile accessory.

Select **Menu** > **Settings** > **Accessories**. Select an accessory, and an option depending on the accessory.

Configuration

You can configure your device with settings that are required for certain services. Your service provider may also send you these settings.

Select **Menu** > **Settings** and **Configuration**.

Select from the following:

Default config. sett. — View the service providers saved in the device, and set a default service provider.

Act. def. in all apps. — Activate the default configuration settings for supported applications.

Preferred access pt. — View the saved access points.

Personal settings — Add new personal accounts for various services, and activate or delete them. To add a new personal account, select **Add** or **Options** > **Add new**. Select the service type, and enter the required information. To activate a personal account, scroll to the account, and select **Options** > **Activate**.

Restore factory settings

To restore the phone back to factory conditions, select **Menu** > **Settings** > **Rest. fact. sett.** and from the following options:

Settings only — to reset all preference settings without deleting any personal data

All — to reset all preference settings and delete all personal data, such as contacts, messages, media files and activation keys

Gallery

In Gallery, you can manage images, video clips, and music files.

View the Gallery contents

Select **Menu** > **Gallery**.

Upload an image or video clip to a web-based service when viewing the file

Select **Options** > **Send** > **Upload to web** and the desired upload service.

Applications

Alarm clock

You can set an alarm to sound at a desired time.

Set the alarm

- 1 Select **Menu** > **Applications** > **Alarm clock**.
- 2 Set the alarm, and enter the alarm time.
- 3 To issue an alarm on selected days of the week, select **Repeat:** > **On** and the days.
- 4 Select the alarm tone. If you select the radio as the alarm tone, connect the headset to the device.
- 5 Set the length of the snooze time-out period, and select **Save**.

Stop the alarm

Select **Stop**. If you let the alarm sound for a minute or select **Snooze**, the alarm stops for the length of the snooze time-out period, then resumes.

Calendar and to-do list

Select **Menu** > **Calendar**. The current day is framed. If there are any notes set for the day, the day is in bold.

Add a calendar note

Scroll to the date, and select **Options** > **Make a note**.

View the details of a note

Scroll to a note, and select **View**.

Delete all notes from the calendar

Select **Options** > **Delete notes** > **All notes**.

View the to-do list

Select **Menu** > **Applications** > **To-do list**.

The to-do list is displayed and sorted by priority. To add, delete, or send a note, to mark the note as done, or to sort the to-do list by deadline, select **Options**.

Extras

Your device may include some games and Java™ applications specially designed for your device.

Select **Menu > Applications > Extras**.

Open a game or application

Select **Games, Collection, or Memory card**, and a game or an application.

View the amount of memory available for game and application installations

Select **Options > Memory status**.

Download a game or application

Select **Options > Downloads > Game downloads or App. downloads**.

Your device supports J2ME™ Java applications. Ensure that the application is compatible with your device before downloading it.

Important: Only install and use applications and other software from trusted sources, such as applications that are Symbian Signed or have passed the Java Verified™ testing.

The downloaded applications may be saved in Gallery instead of Applications.

Camera and video

Your device supports an image capture resolution of 1600x1200 pixels .

Camera mode

Use the still image function

Select **Menu > Applications > Camera**.

Zoom in or out

Scroll up or down.

Capture an image

Select **Capture**.

Set the preview mode and time

Select **Options > Settings > Photo preview time**.

To activate the self-timer, or to capture images in a fast sequence, select **Options** and the desired option.

Video mode

Use the video function

Select **Menu** > **Applications** > **Video camera**.

Start recording a video clip

Select **Record**.

Switch between camera and video mode

In camera or video mode, scroll left or right.

FM radio

The FM radio depends on an antenna other than the wireless device antenna. A compatible headset or accessory needs to be attached to the device for the FM radio to function properly.

Warning:

Continuous exposure to high volume may damage your hearing. Listen to music at a moderate level, and do not hold the device near your ear when the loudspeaker is in use.

Select **Menu** > **Applications** > **Radio**, or, in the home screen, press and hold *.

Search for a neighbouring station

Press and hold the scroll key to the left or right.

Save a station

Tune to the desired station, and select **Options > Save station**.

Switch between saved stations

Scroll left or right to switch between stations, or press the corresponding number key of the memory location of a desired station.

Adjust the volume

Scroll up or down.

Leave the radio playing in the background

Press the end key.

Close the radio

Press and hold the end key.

Voice recorder

Select **Menu > Applications > Voice recorder**.

Start recording

Select the record icon.

44 Applications

Listen to the latest recording

Select **Options** > **Play last recorded**.

Send the last recording in a multimedia message

Select **Options** > **Send last recorded**.

Media player

Your device includes a media player for listening to songs or other MP3 or AAC sound files.

Warning:

Continuous exposure to high volume may damage your hearing. Listen to music at a moderate level, and do not hold the device near your ear when the loudspeaker is in use.

Select **Menu** > **Applications** > **Media player**.

Start or pause playing

Press the scroll key.

Skip to the beginning of the current song

Scroll left.

Skip to the previous song

Scroll left twice.

Skip to the next song

Scroll right.

Rewind the current song

Press and hold the scroll key to the left.

Fast-forward the current song

Press and hold the scroll key to the right.

Adjust the volume

Scroll up or down.

Mute or unmute the media player

Press #.

Leave the media player playing in the background

Press the end key.

Close the media player

Press and hold the end key.

Maps

With Maps, you can browse maps for different cities and countries, search for addresses and different points of interest, plan routes from one location to another, see your current location on the map if you have a GPS connection, and save locations and send them to compatible devices. You can also purchase a licence for a navigation service with voice guidance. This service is not available for all countries or regions.

About Maps

If there are maps available in your device or on an inserted memory card, you can browse them without an internet connection. When you browse to an area which is not covered by the maps already downloaded in your device, a map for the area is automatically downloaded through the internet. You may be prompted to select an access point to use with the internet connection.

Downloading maps may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.

You can also use the Nokia Map Loader PC software to download maps to your device. To install Nokia Map Loader on a compatible PC, see www.nokia.com/maps.

Select **Menu > Applications > Maps** and from the following:

Last map — Open the map that was displayed last.

Find address — Search for a specific address.

Saved locations — Find a location you have saved on your device.

Rec. locations — View the locations you have browsed.

Current position — View your current location, if a GPS connection is available.

Plan route — Plan a route.

Extra services — Purchase a license for navigation.

Settings — Define the settings.

Almost all digital cartography is inaccurate and incomplete to some extent. Never rely solely on the cartography that you download for use in this device.

Nokia Map Loader

With the Nokia Map Loader application for PC, you can download maps and voice guidance files from the internet. A memory card with sufficient space must be inserted in your device. You must use the Maps application and browse maps at least once before using Nokia Map Loader, as Nokia Map Loader uses the Maps history information to check which version of the maps to download.

To install Nokia Map loader, visit www.nokia.com/maps, and follow the instructions.

Download maps with Nokia Map Loader

- 1 Connect your device to the computer with a compatible USB data cable or Bluetooth connection. If you use a data cable, select PC Suite as the USB connection method.
- 2 Open Nokia Map Loader on the computer.
- 3 Select a continent and a country or region.
- 4 Select the maps or services, and download and install them to your device.

On the Service tab of Nokia Map Loader, you can purchase navigation and traffic information licences, travel guides, and download maps.

About GPS

GPS receiver

Your device does not have an internal GPS receiver. To use applications that require a GPS connection, use a compatible external GPS receiver (accessory sold separately).

Use an external GPS receiver

- 1 Fully charge your compatible GPS receiver, and switch it on.

- 2 Set up a Bluetooth connection between your device and the GPS receiver.
- 3 Place the GPS receiver in a position with an unobstructed view to the sky.
- 4 Open the Maps application, and select the external GPS receiver.

After pairing your device with an external GPS receiver, it may take several minutes for the device to display the current location.

You can also use Maps without a GPS receiver to browse maps, search for addresses and locations, and plan routes.

Navigate to your destination



You can upgrade Maps to a full navigation system to be used by car and by foot. You need a regional licence for the full navigation system, and a compatible GPS receiver. The car navigation is fully voice-guided with two and three-dimensional map views. Pedestrian navigation is limited to a speed of 30 km/h (18.6 miles/h) and provides no voice guidance. The navigation service is not available for all countries and regions. For details, see your local Nokia website.

Purchase a licence for navigation

Select **Extra services**. The licence is region-specific and can be used only in the selected area.

Navigate to the destination

- 1 Select **Plan route**, and create a route.
- 2 Select **Options > Show route > Options > Start navigation**.
- 3 Accept the displayed disclaimer.
- 4 Select the language for voice guidance, if prompted.

If you deviate from the set route, the device automatically plans a new route.

Repeat the voice guidance

Select **Repeat**.

Silence the voice guidance

Select **Options** > **Mute audio**.

Stop navigating

Select **Stop**.

Navigate on foot

Select **Settings** > **Routing settings** > **Route selection** > **On foot**. This optimises the routes you create for navigation on foot.

Web or Internet

You can access various internet services with your phone browser. The appearance of the web pages may vary due to screen size. You may not be able to see all the details on the web pages.

Depending on your phone, the web browsing function may be displayed as **Web** or **Internet** in the menu, hereafter referred to as **Web**.

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

For the availability of these services, pricing, and instructions, contact your service provider.

You may receive the configuration settings required for browsing as a configuration message from your service provider.

Connect to a web service

Select **Menu > Internet > Home**. Or, in the standby mode, press and hold **0**.

After you make a connection to the service, you can start browsing its pages. The function of the phone keys may vary in different services. Follow the text guides on the phone display. For more information, contact your service provider.

SIM services

Your SIM card may provide additional services. You can access this menu only if it is supported by your SIM card. The name and contents of the menu depend on the available services.

Green tips



Here are tips on how you can contribute to protecting the environment.

Save energy

When you have fully charged the battery and disconnected the charger from the device, unplug the charger from the wall outlet.

You do not need to charge your battery so often if you do the following:

- Close and disable applications, services, and connections when not in use.
- Decrease the brightness of the screen.
- Set the device to enter the power saver mode after the minimum period of inactivity, if available in your device.
- Disable unnecessary sounds, such as keypad and ringing tones.

Recycle

Most of the materials in a Nokia phone are recyclable. Check how to recycle your Nokia products at www.nokia.com/werecycle, or with a mobile device, www.nokia.mobi/werecycle.

Recycle packaging and user guides at your local recycling scheme.

Learn more

For more information on the environmental attributes of your device, see www.nokia.com/ecodeclaration.

Product and safety information

Accessories

Warning:

Use only batteries, chargers, and accessories 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. In particular, use of unapproved chargers or batteries may present a risk of fire, explosion, leakage, or other hazard.

For availability of approved accessories, please check with your dealer. When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.

Battery

Battery and charger information

Your device is powered by a rechargeable battery. The battery intended for use with this device is BL-4S. Nokia may make additional battery models available for this device. This device is intended for use when supplied with power from the following chargers: AC-3. The exact charger model number may vary depending on the type of plug. The plug variant is identified by one of the following: E, EB, X, AR, U, A, C, K, or UB.

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 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. If the battery is completely discharged, it may take several minutes before the charging indicator appears on the display or before any calls can be made.

Safe removal. Always switch the device off and disconnect the charger before removing the battery.

Proper charging. 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.

Avoid extreme temperatures. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). Extreme temperatures reduce the capacity and lifetime of the battery. A device with a hot or cold battery may not work temporarily. Battery performance is particularly limited in temperatures well below freezing.

Do not short-circuit. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-)

56 Product and safety information

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.

Disposal. Do not dispose of batteries in a fire as they may explode. Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

Leak. Do not dismantle, cut, open, crush, bend, puncture, or shred cells or batteries. In the event of a battery leak, prevent battery liquid contact with skin or eyes. If this happens, flush the affected areas immediately with water, or seek medical help.

Damage. Do not modify, remanufacture, attempt to insert foreign objects into the battery, or immerse or expose it to water or other liquids. Batteries may explode if damaged.

Correct use. Use the battery only for its intended purpose. Improper battery use may result in a fire, explosion, or other hazard. If the device or battery is dropped, especially on a hard surface, and you believe the battery has been damaged, take it to a service centre for inspection before continuing to use it. Never use any charger or battery that is damaged. Keep your battery out of the reach of small children.

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 a Nokia authorised service centre or dealer, and inspect the hologram label using the following steps:

Successful completion of the 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 Nokia authorised service centre or dealer for assistance. If authenticity cannot be verified, return the battery to the place of purchase.

Authenticate hologram

- 1 When you look 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.



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 Nokia authorised service centre or dealer for assistance. The use of a battery that is not

58 Product and safety information

approved by Nokia may be dangerous and may result in poor performance and damage to your device and its accessories. It may also invalidate any approval or warranty applying to the device.

To find out more about original Nokia batteries, see www.nokia.com/battery.

Care and maintenance

Your device is a product of superior design and craftsmanship and should be treated with care. The following suggestions 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 use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorised 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.
- To reset the device from time to time for optimum performance, power off the device and remove the battery.

These suggestions apply equally to your device, battery, charger, or any accessory. If any device is not working properly, take it to the nearest authorised service facility for service.

Recycle

Always return your used electronic products, batteries, and packaging materials to a dedicated collection point. This way you help prevent uncontrolled waste disposal and promote the recycling of materials. More detailed information is available from the product retailer, local waste authorities, national producer responsibility organisations, or your local Nokia representative. Check how to recycle your Nokia products at www.nokia.com/werecycle, or if browsing on a mobile device, www.nokia.mobi/werecycle.



The crossed-out wheeled-bin symbol on your product, battery, literature, or packaging reminds you that all electrical and electronic products, batteries, and accumulators must be taken to separate collection at the end of their working life. This requirement applies in the European Union. Do not dispose of these products as unsorted municipal waste. For more environmental information, see the product Eco-Declarations at www.nokia.com/environment.

Additional safety information

The surface of this device is nickel-free.

60 Product and safety information

Small children

Your device and its accessories may contain small parts. Keep them out of the reach of small children.

Operating environment

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 1.5 centimetres (5/8 inch) 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.

Parts of the device are magnetic. Metallic materials may be attracted to the device. Do not place credit cards or other magnetic storage media near the device, because information stored on them may be erased.

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.

Implanted medical devices

Manufacturers of medical devices recommend that a minimum separation of 15.3 centimetres (6 inches) should be maintained between a wireless device and an implanted medical device, such as a pacemaker or implanted cardioverter

defibrillator, to avoid potential interference with the medical device. Persons who have such devices should:

- Always keep the wireless device more than 15.3 centimetres (6 inches) from the medical device when the wireless device is turned on.
- Not carry the wireless device in a breast pocket.
- Hold the wireless device to the ear opposite the medical device to minimise the potential for interference.
- Turn the wireless device off immediately if there is any reason to suspect that interference is taking place.
- Read and follow the directions from the manufacturer of their implanted medical device.

If you have any questions about using your wireless device with an implanted medical device, consult your health care provider.

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 accessories. For vehicles equipped with an air bag, remember that air bags inflate

62 Product and safety information

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 refuelling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel depots, storage, and distribution areas; chemical plants; or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities and areas where the air contains chemicals or particles such as grain, dust, or metal powders. You should check with the manufacturers of vehicles using liquefied petroleum gas (such as propane or butane) to determine if this device can be safely used in their vicinity.

Emergency calls

Important: This device operates using radio signals, wireless networks, landline networks, and user-programmed functions. If your device supports voice calls over the internet (internet calls), activate both the internet calls and the cellular phone. The device will attempt to make emergency calls over both the cellular networks and through your internet call provider if both are activated. 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:

- 1 If the device is not on, switch it on. Check for adequate signal strength. Depending on your device, you may also need to complete the following:
 - Insert a SIM card if your device uses one.
 - Remove certain call restrictions you have activated in your device.
 - Change your profile from offline or flight profile mode to an active profile.
- 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. Emergency numbers vary by location.
- 4 Press the call key.

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 for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organisation 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 stated in the ICNIRP guidelines 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 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.

64 Copyright and other notices

The highest SAR value under the ICNIRP guidelines for use of the device at the ear is 0.59 W/kg.

Use of device accessories 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.

Copyright and other notices

DECLARATION OF CONFORMITY

CE 0434

Hereby, NOKIA CORPORATION declares that this RM-497 product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the Declaration of Conformity can be found at http://www.nokia.com/phones/declaration_of_conformity/.

© 2009 Nokia. All rights reserved.

Nokia, Nokia Connecting People, and Navi are trademarks or registered trademarks of Nokia Corporation. Nokia tune is a sound mark of Nokia Corporation. Other product and company names mentioned herein may be trademarks or tradenames of their respective owners.

Reproduction, transfer, distribution, or storage of part or all of the contents in this document in any form without the prior written permission of Nokia is prohibited. Nokia operates a policy of continuous development. Nokia reserves the right to make changes and improvements to any of the products described in this document without prior notice.



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



Java is a trademark of Sun Microsystems, Inc.

This product is licensed under the MPEG-4 Visual Patent Portfolio License (i) for personal and noncommercial use in connection with information which has been encoded in compliance with the MPEG-4 Visual Standard by a consumer engaged in a personal and noncommercial activity and (ii) for use in connection with MPEG-4 video provided by a licensed video provider. No license is granted or shall be implied for any other use. Additional information, including that related to promotional, internal, and commercial uses, may be obtained from MPEG LA, LLC. See <http://www.mpegla.com>.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, UNDER NO CIRCUMSTANCES SHALL NOKIA OR ANY OF ITS LICENSORS BE RESPONSIBLE FOR ANY LOSS OF DATA OR INCOME OR ANY SPECIAL, INCIDENTAL, 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, RELIABILITY OR CONTENTS OF THIS DOCUMENT. NOKIA RESERVES THE RIGHT TO REVISE THIS DOCUMENT OR WITHDRAW IT AT ANY TIME WITHOUT PRIOR NOTICE.

The availability of particular products and applications and services for these products may vary by region. Please check with your Nokia dealer for details and availability

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

The third-party applications provided with your device may have been created and may be owned by persons or entities not affiliated with or related to Nokia. Nokia does not own the copyrights or intellectual property rights to the third-party applications. As such, Nokia does not take any responsibility for end-user support, functionality of the applications, or the information in the applications or these materials. Nokia does not provide any warranty for the third-party applications. BY USING THE APPLICATIONS YOU ACKNOWLEDGE THAT THE APPLICATIONS ARE PROVIDED AS IS WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. YOU FURTHER ACKNOWLEDGE THAT NEITHER NOKIA NOR ITS AFFILIATES MAKE ANY REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF TITLE, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR THAT THE APPLICATIONS WILL NOT INFRINGE ANY THIRD-PARTY PATENTS, COPYRIGHTS, TRADEMARKS, OR OTHER RIGHTS.

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.

Index**A**

access code	8
accessories	36
applications	38
audio messages	24

B

battery	10
— charging	11
battery charge level indicator	16
Bluetooth	32
browser	51

C

calendar	39
call log	29
calls	17
camera	41
configuration	36

D

display	30
---------	----

E

e-mail	24
extras	40

F

flash messages	23
----------------	----

G

Gallery	37
games	40
GPS (global positioning system)	48

H

headset	13
---------	----

I

image mode	41
internet	51

K

keys	14
------	----

M

mail	24, 25, 26
Maps	46

maps	46, 47, 49
media player	44
message centre	
number	21
message settings	27
messages	22

N

Nokia Map Loader	47
Nokia support information	9
number mode	18

P

password	8
phone settings	35
PIN	8
predictive text input	19
profiles	30

S

security code	8
settings	30
— date	31
— display	30
— factory	37

— time	31
— tones	30
shortcuts	31
signal strength indicator	16
SIM card	10
software updates	10
speed dialling	18
status indicators	16
support resources	9

T

text messages	21
text modes	18
to-do list	39
tones	30
traditional text input	19

V

video mode	41
voice messages	27
voice recorder	43

W

web	51
write text	18