

## **Nokia 2220 slide User Guide**

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## 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.

### 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](http://www.nokia.com/support) or your local Nokia website, or with a mobile device, [www.nokia.mobi/support](http://www.nokia.mobi/support).

If this does not resolve your issue, do 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.

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

### Get started

#### Insert SIM card and battery

Safe removal. 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 Remove the back cover by lifting it from the top end of the device (1).
- 2 Remove the battery (2).
- 3 Open the SIM card holder, and insert the SIM card (3). Ensure that the contact surface on the card is facing down and that the bevelled corner on the card is facing toward the top of the device. Close the holder (4).
- 4 Insert the battery (5), and replace the back cover (6).

#### Charge the battery

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



- 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.

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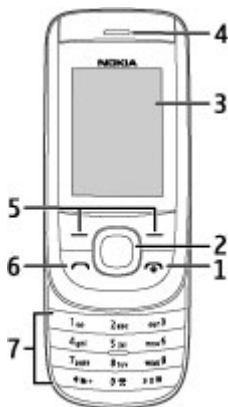
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Do not connect products that create an output signal as this may cause damage to the device. Do not connect any voltage source to the Nokia AV Connector.

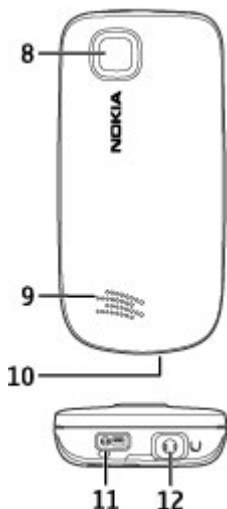
### Magnets and magnetic fields

Keep your device away from magnets or magnetic fields.

### Keys and parts



- 1 End/Power key
- 2 Navi™ key (scroll key)
- 3 Display
- 4 Earpiece
- 5 Selection keys
- 6 Call key
- 7 Keypad



- 8 Camera lens
- 9 Loudspeaker
- 10 Microphone
- 11 Charger connector
- 12 Headset connector/Nokia AV Connector (3.5 mm)



**Note:** Avoid touching this connector as it is intended for use by authorised service personnel only.

### Access codes

The security code helps to protect your phone against unauthorised use. The preset code is 12345. 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 unauthorised 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**.

### Switch on and off

Press and hold the power key.

### Standby mode

When the phone is ready for use, and you have not entered any characters, the phone is in the standby mode.

1	Network signal strength	
2	Battery charge level	
3	Network name or operator logo	
4	Functions of selection keys	

The left selection key, **Go to**, allows you to access the functions in your personal shortcut list. When viewing the list, select **Options > Select options** to view the available functions, or select **Options > Organise** to arrange the functions in your shortcut list.

### Keypad lock

#### Lock the keypad

Close the slide, and select **Lock** within 5 seconds to lock the keypad.

#### Unlock the keypad

Select **Unlock > OK**, or open the slide. If the security keyguard is activated, enter the security code when requested.



### Set automatic keypad lock

Select **Menu** > **Settings** > **Phone** > **Automatic keyguard** > **On**, and set the length of time, after which the keypad locks.

### Answer a call when the keypad is locked

Press the call key. When you end or reject the call, the keypad locks automatically.

When the device or keypad is locked, calls may be possible to the official emergency number programmed into your device.

### Functions without a SIM card

Some functions of your phone may be used without inserting a SIM card, such as Organiser functions and games. Some functions appear dimmed in the menus and cannot be used.

### Applications running in background

Leaving applications running in the background increases the demand on battery power and reduces the battery life.

## Calls

### Make and answer a call

#### Make a call

Enter the phone number, including the country and area code if necessary, and press the call key.

#### Answer an incoming call

Press the call key.

#### Reject a call

Press the end key.

#### Adjust the volume

During a phone call, scroll up or down.

### Loudspeaker

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

### 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.

### Dialling shortcuts

#### Assign a phone number to a number key

Select **Menu** > **Contacts** > **Speed dials**, scroll to a desired number (2-9), and select **Assign**. Enter the desired phone number, or select **Search** and a saved contact.

#### Activate speed dialling

Select **Menu** > **Settings** > **Call** > **Speed dialling** > **On**.



#### 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 , , and .

To change the character case, press **#**. To change from the letter to number mode, indicated by , 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.

- 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

You can read, write, send, and save text, multimedia, audio, and flash messages, and e-mail. 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, select **Menu > Messaging > Message settings > Text messages > Message centres > Add centre**, and enter a name and the number from the service provider.

### Multimedia messages

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

## 12 Messaging

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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. You may also download the configuration settings.

### Create a text or multimedia message

- 1 Select **Menu > Messaging > Create message > Message**.
- 2 To add recipients, scroll to the **To:** field, and enter the recipient's number or e-mail address, or select **Add** to select recipients from the available options. Select **Options** to add recipients and subjects and to set sending options.
- 3 Scroll to the **Text:** field, and enter the message text.
- 4 To attach content to the message, scroll to the attachment bar at the bottom of the display and select the desired type of content.
- 5 To send the message, press **Send**.

The message type is indicated at the top of the display and changes automatically depending on the content of the message.

Service providers may charge differently depending on the message type. Check with your service provider for details.

### Flash messages

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

- 1 To write a flash message, select **Menu > Messaging > Create message > Flash message**.
- 2 Enter the recipient's phone number, write your message (maximum 70 characters), and select **Send**.

### Nokia Xpress audio messages

Create and send an audio message using MMS in a convenient way.

- 1 Select **Menu > Messaging > Create message > Audio message**. The voice recorder opens.
- 2 Record your message.
- 3 Enter one or more phone numbers in the **To:** field, or select **Add** to retrieve a number.
- 4 To send the message, select **Send**.

## E-mail

Access your POP3 or IMAP4 e-mail account with your device to read, write, and send e-mail. Using the e-mail application to send an e-mail is not the same as sending an e-mail as a text message.

Before you can use e-mail, you must have an e-mail account and the correct settings. To check the availability and the settings of your e-mail account, contact your e-mail service provider. You may receive the e-mail configuration settings as a configuration message.

## Access the e-mail application

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

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

## Instant messaging

With instant messaging (IM, network service) you can send short text messages to online users. You must subscribe to a service and register with the IM service you want to use. Check the availability of this service, pricing, and instructions with your service provider. The menus may vary depending on your IM provider.

To connect to the service, select **Menu > Messaging > Instant messages** and follow the instructions on the display.

## 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 voice mailbox number

Select **Menu > Messaging > Voice messages > Voice mailbox number**.

## Message settings

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

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

**Text messages** — to allow delivery reports, to set up message centres for SMS and SMS e-mail, to select the type of character support, and to set up other preferences related to text messages


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

**E-mail messages** — to allow e-mail reception, to set the image size in e-mail, and to set up other preferences related to e-mail

**Service messages** — to activate service messages and to set up preferences related to service messages

### Contacts

Select **Menu > Contacts.**

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

#### Add a contact

Select **Names > Options > Add new contact.**

#### 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 between the phone memory and SIM card memory

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

To select the SIM card or phone memory for your contacts, to select how the names and numbers in the contacts list are displayed, and to view the memory capacity for contacts, select **Settings.**

You can send and receive a person's contact information as a business card from a compatible device that supports the vCard standard.

#### Send a business card

Select **Names**, search for the contact whose information you want to send, and select **Details > Options > Send bus. card.**

## Call log

To view the information on your calls, messages, data, and synchronisation, select **Menu > Log** and from the available options.

**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**.

#### Set the date and time

Select **Date and time settings**.

#### Set the date and time format

Select **Date and time format settings**.

#### Set the phone to update the time and date automatically according to the current time zone

Select **Auto-update of date & 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 and backup** and from the following:

**Data transfer** — Synchronise or copy selected data between your device and a network server (network service).

### Connectivity

#### 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 connection** 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

### 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 or end a call by opening or closing the slide**

Select **Slide call handling**.

Select **Menu > Settings > Phone**.

**Set the display language**

Select **Language settings > Phone language**.

**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 > Enhancements**. Select an accessory, and an option depending on the accessory.

**Configuration**

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

Select **Menu > Settings > Configuration** and from the following options:

**Default configuration settings** — to view the service providers saved in the phone and set a default service provider

**Activate default in all applications** — to activate the default configuration settings for supported applications

**Preferred access point** — to view the saved access points

**Device manager settings** — to allow or prevent the phone from receiving software updates. This option may not be available, depending on your phone.

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

**Restore factory settings**

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

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

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

### Operator menu

Access a portal to services provided by your network operator. For more information, contact your network operator. The operator can update this menu with a service message.

### Gallery

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

#### View the Gallery contents

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

### Media

#### Camera and video

Your device supports an image capture resolution of 480x640 pixels.

#### Camera mode

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##### Use the still image function

Select **Menu** > **Media** > **Camera**.

##### Zoom in or out

Scroll up or down.

##### Capture an image

Select **Capture**.

##### Set the preview mode and time

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

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

#### Video mode

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##### Use the video function

Select **Menu** > **Media** > **Video**.

##### Start recording a video clip

Select **Record**.

When recording, lower quality video can be recorded for a greater length of time. To change the quality settings, and to set the maximum length of the video clip, select **Menu > Media > Camera > Options > Settings > Video clip quality or Video clip length**.

### 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 > Media > Radio** or, in the standby mode, 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

#### Start recording

Select **Menu > Media > Recorder** and the record button on the display.

**Listen to the latest recording**

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

**Send the last recording in a multimedia message**

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

**Music player**

Your phone includes a music 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** > **Media** > **Music 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 music player**

Press #.

**Leave the music player playing in the background**

Press the end key.

**Close the music player**

Press and hold the end key.

**Applications**

Your phone software may include some games and Java™ applications specially designed for this Nokia phone.

Select **Menu** > **Applications**.

**Open a game or application**

Select **Games** or **Collection**. Scroll to a game or application, and select **Open**.

**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 phone supports J2ME™ Java applications. Ensure that the application is compatible with your phone 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.

Downloaded applications may be saved in Gallery instead of Applications.

**Organiser****Alarm clock**

Select **Menu** > **Organiser** > **Alarm clock**.

**Activate or deactivate an alarm**

Select **Alarm**:

**Set the time for the alarm**

Select **Alarm time**:

**Set the phone to alert you on selected days of the week**

Select **Repeat**:

**Personalise the alarm tone**

Select **Alarm tone**:

### Set the time-out period for the snooze alert

Select **Snooze timeout**.

### Stop the alarm

Select **Stop**.

If you let the phone continue to sound the alarm for a minute or select **Snooze**, the alarm stops for the snooze time-out period, then resumes.

### Calendar and to-do list

Select **Menu** > **Organiser** > **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** > **Organiser** > **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**.

## 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 > Web > 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](http://www.nokia.com/werecycle), or with a mobile device, [www.nokia.mobi/werecycle](http://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](http://www.nokia.com/ecodeclaration).

# Product and safety information

### General information

#### About your device

The wireless device described in this guide is approved for use on the EGSM 900, 1800 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.

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. 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.

### Digital rights management

Content owners may use different types of digital rights management (DRM) technologies to protect their intellectual property, including copyrights. This device uses various types of DRM software to access DRM-protected content. With this device you can access content protected with OMA DRM 1.0. If certain DRM software fails to protect the content, content owners may ask that such DRM software's ability to access new DRM-protected content be revoked. Revocation may also prevent renewal of such DRM-protected content already in your device. Revocation of such DRM software does not affect the use of content protected with other types of DRM or the use of non-DRM-protected content.

Digital rights management (DRM) protected content comes with an associated activation key that defines your rights to use the content.



## 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-4C. 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 (-) 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:

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### 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.



Successful completion of the steps is not a total assurance of the authenticity of the battery. If you cannot confirm authenticity or if you have any reason to believe that your Nokia battery with the hologram on the label is not an authentic Nokia battery, you should refrain from using it, and take it to the nearest Nokia authorised service centre or dealer for assistance.

To find out more about original Nokia batteries, see [www.nokia.com/battery](http://www.nokia.com/battery).

### Taking care of your device

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 high or cold temperature. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics. When the device warms to its normal temperature from a cold 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. Only use a soft, clean, dry cloth to clean the surface of 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.
- Backup all 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.

**Recycle**

Always return your used electronic products, batteries, and packaging materials to dedicated collection points. This way you help prevent uncontrolled waste disposal and promote the recycling of materials. Check product environmental information and how to recycle your Nokia products at [www.nokia.com/werecycle](http://www.nokia.com/werecycle), or [nokia.mobi/werecycle](http://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](http://www.nokia.com/environment).

**Additional safety information**

The surface of this device is nickel-free.

**Small children**

Your device and its accessories are not toys. They may contain small parts. Keep them out of the reach of small children.

**Operating environment**

This device meets RF exposure guidelines in the normal use position at the ear or at least 2.2 centimetres (7/8 inch) away from the body. Any carry case, belt clip, or holder for body-worn operation should not contain metal and should position the device the above-stated distance from your body.

To send data files or messages requires a quality connection to the network. Data files or messages may be delayed until such a connection is available. Follow the separation distance instructions 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 radio transmitting equipment, including wireless phones, may interfere with the function of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine whether they are adequately shielded from external RF energy. Switch off your device when regulations posted instruct you to do so. Hospitals or health care facilities may use equipment sensitive to external RF energy.

**Implanted medical devices**

Manufacturers of medical devices recommend a minimum separation of 15.3 centimetres (6 inches) 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.
- Not carry the wireless device in a breast pocket.
- Hold the wireless device to the ear opposite the medical device.
- Turn the wireless device off if there is any reason to suspect that interference is taking place.
- Follow the manufacturer directions for the 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.

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### Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection, electronic antilock braking, electronic speed control, and air bag systems. For more information, check with the manufacturer of your vehicle or its equipment.

Only qualified personnel should service the device or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate your warranty. 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. Remember that air bags inflate with great force. Do not place your device or accessories in the air bag deployment area.

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 and may be illegal.

### Potentially explosive environments

Switch off your device in any area with a potentially explosive atmosphere. Obey all posted instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or death. Switch off the device at refuelling points such as near gas pumps at service stations. Observe restrictions 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 areas where you would be advised to turn off your vehicle engine, below deck on boats, chemical transfer or storage facilities and 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 may 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 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.

The highest SAR value under the ICNIRP guidelines for use of the device at the ear is 0.73 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](http://www.nokia.com).

## DECLARATION OF CONFORMITY

# CE 0434

Hereby, NOKIA CORPORATION declares that this RM-590 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/](http://www.nokia.com/phones/declaration_of_conformity/).

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