Nokia 7230 User Guide

Issue 2.0

Contents

Safety 3

General information 4
About your device 4
Network mode 4
Network services 4
Shared memory 5
Access codes 5
Software updates using your PC 5
Support 6

Get started 6
Keys and parts 6
Install SIM card 7
Insert a memory card 7
Insert battery 8
Charge the battery 9
Switch on and off 9
Display 10
Keypad lock 10
GSM antenna 11
Accessories 11

Calls 12
Make and answer a call 12
Loudspeaker 12
Dialing shortcuts 12

Write text 13
Text modes 13
Traditional text input 13
Predictive text input 13

Navigate the menus 14

Messaging 14
Text and multimedia messages 14
Nokia Messaging Mail 15
Nokia Messaging IM 16
Flash messages 16
Nokia Xpress audio messages 16
Voice messages 17
Message settings 17

Contacts 17

Call log 18

Settings 18
Profiles 18
Tones 18
Display 19
Date and time 19
Shortcuts 19
Synchronization and backup 19
Connectivity 20
Call and phone 21
Accessories 22
Configuration 22
Restore factory settings 22

Gallery 22

Applications 23
Alarm clock 23
Calendar and to-do list 23
Extras 23
Camera and video 24
FM radio 25
Voice recorder 25
Media player 26
Maps 27

Web or Internet 29
Connect to a web service 30

SIM services 30

Green tips 30
Save energy 30
Recycle 30
Learn more 31

Product and safety information 31

Index 37

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 and WCDMA 850, 1900, and 2100 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 mode

To select the type of network to use, select **Menu** > **Settings** > **Phone** > **Network mode**. You cannot access this option during an active call.

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.

Access codes

The security code helps to protect your device against unauthorized use. The preset code is 12345. You can create and change the code, and set the device to request the code. Keep the code secret and in a safe place separate from your device. If you forget the code and your device is locked, your device will require service. Additional charges may apply, and all the personal data in your device may be deleted. For more information, contact a Nokia Care point or your device 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 restriction password is required when using the call restriction service.

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

Software updates using your PC

Nokia Software Updater is a PC application that enables you to update your device software. To update your device software, you need a compatible PC, broadband internet access, and a compatible USB data cable to connect your device to the PC.

To get more information, to check the release notes for the latest software versions, and to download the Nokia Software Updater application, see www.nokia.com/softwareupdate, or in Latin America, www.nokia-latinoamerica.com/nsu.

To update the device software, do the following:

1 Download and install the Nokia Software Updater application to your PC.
2 Connect your device to the PC using a USB data cable, and select **PC Suite**.
3 Open the Nokia Software Updater application. The Nokia Software Updater application guides you to back up your files, update the software, and restore your files.

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, the Help application in the device, or the user guide.

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.
- 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, or in Latin America, www.nokia-latinoamerica.com/centrosdeservicio. Before sending your device for repair, always back up the data in your device.

Get started

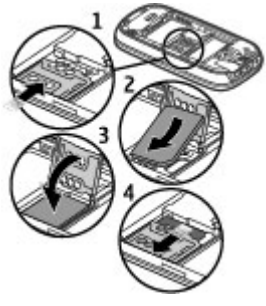
Keys and parts

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

8	Charger connector	
9	USB port	
10	Headset connector	
11	Lens	
12	Capture key	
13	Wrist strap eyelet	

Install SIM card

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



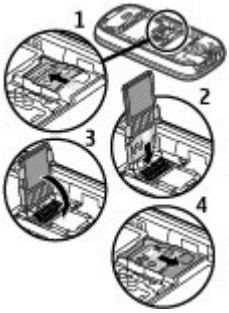
1 Remove the battery if inserted, and slide the SIM card holder to unlock.
2 Open the card holder.
3 Insert the SIM card into the holder with the contact surface facing down.
4 Close the card holder.
5 Slide the card holder to lock.

Insert a memory card

Use only compatible MicroSD cards approved by Nokia for use with this device. Nokia uses approved industry standards for memory cards, but some brands may not be fully compatible with this device. Incompatible cards may damage the card and the device and corrupt data stored on the card.

Your device supports microSD cards with a capacity of up to 16 GB. The size of a single file must not exceed 2 GB.

Insert a memory card



1 Remove the battery if inserted, and slide the memory card holder to unlock.
2 Swing the card holder open.
3 Insert the memory card into the card holder with the contact surface facing down.
4 Close the card holder.
5 Slide the card holder to lock.

Insert battery

1 Remove the back cover if in place, observe the battery contacts, and insert the battery.
2 Replace the back cover.

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 battery is fully charged, disconnect the charger from the device, then from the wall outlet.

You can also charge the battery with a USB data cable connected to a compatible computer.

1 Connect the USB cable to a USB port of a computer and to your device.
2 When the battery is fully charged, disconnect the USB cable.

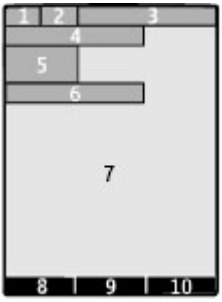
You do not need to charge the battery for a specific length of time, and you can use the device while it is charging. If the battery is completely discharged, it may take several minutes before the charging indicator appears on the display or before any calls can be made.

Charging the device while listening to the radio may affect the quality of reception.

Switch on and off

Press and hold the power key.

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 left selection key

You can change the function of the left and right selection keys. See "Shortcuts," p. 19.

Keypad lock

To prevent accidental keypresses, close the phone, and select **Lock** within 5 seconds to lock the keypad.

To unlock the keypad, select **Unlock** > **OK**, or open the phone. If the security keyguard is on, enter the security code when requested.

To set the keypad to lock automatically after a preset time when the phone is in the standby mode, select **Menu** > **Settings** > **Phone** > **Automatic keyguard** > **On**.

To 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.

GSM antenna

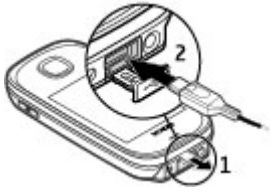
Your device may have internal and external antennas. Avoid touching the antenna area unnecessarily while the antenna is transmitting or receiving. Contact with antennas affects the communication quality and may cause a higher power level during operation and may reduce the battery life.

The figure shows the GSM antenna area marked in grey.

Accessories

Connect a USB cable

Open the cover of the USB connector, and connect the USB cable to the device.



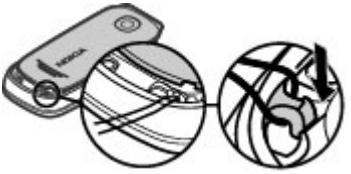
Headset

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.

Strap



1 Open the back cover.
2 Thread the wrist strap, and tighten it.
3 Close the back cover.

Calls

Make and answer a call

To make a call, enter the phone number, including the country and area code if necessary, and press the call key. To adjust the volume of the earpiece or headset during the phone call, scroll up or down.

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.

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.

Dialing shortcuts

Assign a phone number to a number key

Select **Menu** > **Contacts** > **1-touch dialing**, 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** > **1-touch dialing** > **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 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 *****. To insert a space, press **0**.

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

In the home screen, select **Menu** and the desired menu and submenu.

Exit the current menu level

Select **Exit** or **Back**.

Return to the home screen

Press the end key.

Change the menu view

Select **Menu** > **Options** > **Main menu view**.

Messaging

You can send and receive text, multimedia, audio, and flash messages. You can also access your 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, do the following:

1 Select **Menu** > **Messaging** > **More** > **Msg. settings** > **Text messages** > **Message center**.
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.

Nokia Messaging Mail

Access your mail accounts from different providers with your device to read, write, and send mail.

Set up e-mail

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

If you do not already have an e-mail account, you can create a Nokia account, which includes the Ovi Mail service.

1 Select **Get Ovi Mail**.
2 Follow the instructions.

Read, write, and send an e-mail

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

Read an e-mail
Select an e-mail and **Open**.

E-mails with attachments, for example, images, are marked with a paperclip icon. Some attachments may not be compatible with your device, and cannot be displayed on your device.

View attachments
Select an attachment and **View**.

Write an e-mail
Select **Options** > **Compose New**.

Attach a file to the e-mail
Select **Options** > **Attach file**.

Send the e-mail
Select **Send**.

Close the e-mail application
Select **Sign Out**.

Nokia Messaging IM

With instant messaging (IM) you can chat with other online users using your device. You can use an existing account for an IM community that is supported by your device. If you are not registered to an IM service, you can create an account for a supported IM service, using your computer or your device. The menus may vary, depending on the IM service.

To connect to the service, select **Menu** > **Messaging** > **More** > **IMs** and follow the instructions.

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.

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 — Set the font size for messages, and activate graphical smileys and delivery reports.

Text messages — Set up message centers for text messages and SMS mail.

Multimedia msgs. — Allow delivery reports and 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 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 **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**. In the SIM card memory, you can save only one phone number per 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 synchronization, 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

Waiting for a call, but can't let your device ring? There are various settings groups called profiles, which you can customize with ringing tones for different events and environments.

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

Select the desired profile and from the following:

Activate — Activate the profile.

Customize — Modify the profile settings.

Timed — Set the profile to be active until 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 device 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.

Synchronization and backup

Select **Menu** > **Settings** > **Sync & backup**.

Select from the following:

Synchronization — Synchronize your personal data with Ovi. Before you start synchronizing, you need to set up your Nokia account. Select **Connect**, and you are guided through the process.

Phone switch — Synchronize or copy selected data between your device and another device.

Create backup — Back up selected data.

Restore backup — Restore data from a backup. To view the details of a backup file, select **Options** > **Details**.

Data transfer — Synchronize or copy selected data between your device and a 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 within 10 metres (32 feet).

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.

When the wireless device is in the remote SIM mode, you can only use a compatible connected accessory, such as a car kit, to make or receive calls.

Your wireless device will not make any calls, except to the emergency numbers programed into your device, while in this mode.

To make calls, you must first leave the remote SIM mode. If the device has been locked, enter the lock code to unlock it first.

Open a Bluetooth connection

1 Select **Menu** > **Settings** > **Connectivity** > **Bluetooth**.
2 Select **My phone's name**, and enter a name for your device.
3 To activate Bluetooth connectivity, select **Bluetooth** > **On.** indicates that Bluetooth connectivity is active.
4 To connect your device to an audio accessory, select **Conn. to audio acc.** and the accessory.
5 To pair your device with any Bluetooth device in range, select **Paired devices** > **Add new device**.
6 Scroll to a found device, and select **Add**.
7 Enter a passcode (up to 16 characters) on your device, and allow the connection on the other Bluetooth device.

Operating the device in hidden mode is a safer way to avoid malicious software. Do not accept Bluetooth connectivity from sources you do not trust. Alternatively, switch off the Bluetooth function. This does not affect other functions of the device.

Connect your PC to the internet

You can use Bluetooth technology to connect your compatible PC to the internet. 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 GPRS connection to the internet.

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 forwarding** (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 on 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 sliding the phone open or closed

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** > **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 new** 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 settings, select **Menu** > **Settings** > **Rest. fact. sett.** and from the following:

Settings only — Reset all preference settings without deleting any personal data.

All — 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, videos, 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** > **Delete 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 the 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 sources that you trust. Applications from untrusted sources may include malicious software that can access data stored in your device, cause financial harm, or damage your device.

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

Camera and video

Your device supports an image capture resolution of 2048x1536 pixels.

Camera mode

Open the camera
In the home screen, press and hold the capture key.

Zoom in or out
Scroll up or down.

Capture an image
Press the capture key.

Set the preview mode and time
Select **Options** > **Settings** > **Photo preview time**.

To activate the self-timer, select **Options** and the desired option.

Video mode

Open the video camera
Press and hold the capture key, and scroll right.

Start recording a video clip
Press the capture key.

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**.

Search for a neighboring 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.

Start recording during a call
Select **Options** > **More** > **Record**. When recording a call, hold the phone in the normal position near to your ear. The recording is saved in the Recordings folder in Gallery.

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 call 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 license 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. If you browse to an area which is not covered by 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 licenses, 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 use GPS to support the Maps application. Find out your location or measure distances.

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 license 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 license for navigation.

Select **Extra services**. The license 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 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 optimizes 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 among 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 guarantee, 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-4CT. 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 59°F and 77°F (15°C and 25°C). 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 center 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.

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 temperatyre. 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. Unauthorized 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, or www.nokia.mobi/werecycle.

Additional safety information

Note: The surface of this device does not contain nickel in the platings. The surface of this device contains stainless steel.

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 1.5 centimeters (5/8 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 centimeters (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 centimeters (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.

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 refueling 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 cellular device meets guidelines for exposure to radio waves.

Your cellular 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 organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The exposure guidelines for cellular 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 0.97 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.

Your cellular device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA) and Industry Canada. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear is 1.14 W/kg and when properly worn on the body is 0.39 W/kg.

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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.

Issue 2.0 EN-US

Index

A

access codes 5
accessories 22
applications 23
attachments 15
audio messages 16

B

backing up data 19
battery 9
battery charge level indicator 10
browser 29

C

calendar 23
call log 18
calls 12
camera 24
configuration 22

D

display settings 19

E

e-mail 15
e-mail setup 15
extras 23

F

factory settings, restoring 22
flash messages 16

G

Gallery 22
games 23
GPS (global positioning system) 28
GSM 4

H

headset 11

I

IM (instant messaging) 16
image mode 24
insert battery 8
internet 29

K

keyguard 10
keypad lock 10
keys 6

M

mail 15
Maps 27
maps 27, 28
media player 26
memory card 7
menus 14
message center number 14
Message settings 17
messages 15
microSD card 7

N

network settings 4
Nokia Map Loader 27
nokia software updater 5
Nokia support information 6
number mode 13

P

passwords 5
phone settings 21
PIN code 5
predictive text input 13
profiles 18

R

restoring settings 22

S

security code 5
settings 18
— date 19

— time 19
settings, display 19
shortcuts 19
signal strength indicator 10
SIM card 7
software updates 5
speed dialling 12
status indicators 10
strap 12
support resources 6
synchronization 19

T

text messages 14
text modes 13
to-do list 23
tones 18
traditional text input 13

U

UMTS 4
updates 5
USB cable connection 11

V

video mode 24
voice messages 17
voice recorder 25

W

web 29
write text 13