

# Nokia 2610 User Guide

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Issue 1

DECLARATION OF CONFORMITY

Hereby, NOKIA CORPORATION, declares that this RH-87 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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#### EXPORT CONTROLS

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

#### 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.

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## For your safety

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



### SWITCH ON SAFELY

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



### ROAD SAFETY COMES FIRST

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



### INTERFERENCE

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



### SWITCH OFF IN HOSPITALS

Follow any restrictions. Switch the phone off near medical equipment.



### SWITCH OFF IN AIRCRAFT

Follow any restrictions. Wireless devices can cause interference in aircraft.



### SWITCH OFF WHEN REFUELING

Do not use the phone at a refueling point. Do not use near fuel or chemicals.



### SWITCH OFF NEAR BLASTING

Follow any restrictions. Do not use the phone where blasting is in progress.



### USE SENSIBLY

Use only in the normal position as explained in the product documentation. Do not touch the antenna unnecessarily.



### QUALIFIED SERVICE

Only qualified personnel may install or repair this product.



### ENHANCEMENTS AND BATTERIES

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

## For your safety



### WATER-RESISTANCE

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



### BACK-UP COPIES

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



### CONNECTING TO OTHER DEVICES

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



### EMERGENCY CALLS

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

## About your device

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

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



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

## Network services

To use the phone you must have service from a wireless service provider. Many of the features in this device depend on features in the wireless network to function. These network services may not be available on all networks or you may have to make specific arrangements with your service provider before you can utilize network services. Your service provider may need to give you additional instructions for their use and explain what charges will apply. Some networks may have limitations that affect how you can use network services. For instance, some networks may not support all language-dependent characters and services. Your service provider may have requested that certain features be disabled or not activated in your device. If so, they will not appear on your device menu. Your device may also have been specially configured. This configuration may include

**F o r y o u r s a f e t y**

changes in menu names, menu order and icons. Contact your service provider for more information.

This device supports WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols. Some features of this device, such as text messages, picture messages and content, and application downloads require network support for these technologies.

## General information

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### ■ Access codes

The security code supplied with the phone protects your phone against unauthorized use. The preset code is 12345.

The PIN code supplied with the SIM card, protects the card against unauthorized use. The PIN2 code supplied with some SIM cards, is required to access certain services. If you enter the PIN or PIN2 code incorrectly three times in succession, you are asked for the PUK or PUK2 code. If you do not have them, contact your local 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 restricting password is required when using [Call restrictions](#).

Select [Menu](#) > [Settings](#) > [Security](#) to set how your phone uses the access codes and security settings.



## 1. Get started

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### ■ Install the SIM card and battery

Keep all SIM cards out of the reach of small children.

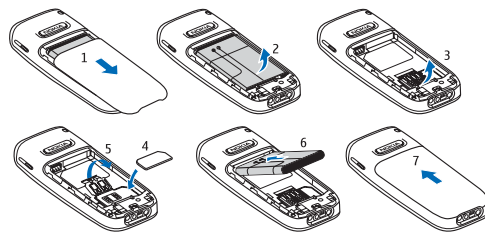
For availability and information on using SIM card services, contact your SIM card vendor. This may be the service provider, network operator, or other vendor.

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



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

1. Press and slide the back cover toward the bottom of the phone to remove the cover (1).
2. Remove the battery by lifting it as shown (2).
3. Carefully lift the SIM card holder from the finger grip of the phone, and open the flip cover (3).
4. Insert the SIM card, so that the bevelled corner is on the upper right side and the gold-colored contact area downward (4). Close the SIM card holder, and press it to lock it into place (5).
5. Insert the battery into the battery slot (6).
6. Align the back cover with the back of the phone, and slide it upwards. Push the back cover up to the top of the phone to lock it (7).



## Get started

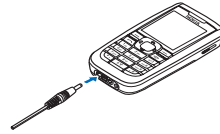
### ■ Charge the battery



**Warning:** Use only batteries, chargers, and enhancements approved by Nokia for use with this particular model. The use of any other types may invalidate any approval or warranty, and may be dangerous.

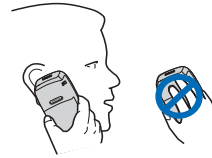
Check the model number of any charger before use with this device. This device is intended for use when supplied with power from an ACP-7, ACP-12, or AC-2 charger. This device is intended to use the BL-5C battery. For availability of approved enhancements, please check with your dealer.

1. Connect the charger to a wall outlet.
2. Connect the charger to the phone.



### ■ Normal operating position

Your device has an internal antenna.



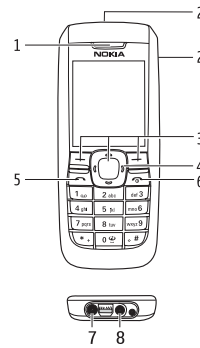
**Note:** As with any other radio transmitting device, do not touch the antenna unnecessarily when the device is switched on. Contact with the antenna affects call quality and may cause the device to operate at a higher power level than otherwise needed. Avoiding contact with the antenna area when operating the device optimizes the antenna performance and the battery life.

## 2. Your phone

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### ■ Keys and parts

- Earpiece (1)
- Loudspeaker (2)
- Selection keys (3)
- Scroll key (4)
- Call key (5)
- End key and power key (6)
- Charger connector (7)
- Headset connector (8)



Note: Do not touch this connector as it is intended for use by authorized service personnel only.



**Warning:** The scroll key in this device may contain nickel. It is not intended to come into prolonged contact with the skin. Continuous exposure to nickel on the skin may lead to nickel allergy.

## Your phone

### ■ Standby mode

When the phone is ready for use, before you enter any characters, it is in the standby mode:

Network name or the operator logo (1)

Network signal strength (2)

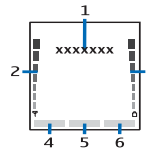
Battery charge level (3)

**Go to** (4) – press the left selection key to view your

personal shortcut list. Select **Options** > **Select options** to view the list of available functions that you can add. Select **Organize** > **Move** and the location to rearrange your shortcut list.

**Menu** (5) – press scroll to display the main menu choices.

**Audio** (6) – press the right selection key to open the voice recorder.



### ■ Demo mode

To start the phone without the SIM card, accept *Start up phone without SIM card?*. Then use those features of the phone that do not require a SIM card.

### ■ Keypad lock

Select **Menu** and \* quickly to lock or unlock the keypad to prevent accidental keypresses. To answer a call when the keyguard is on, press the call key. When you end or decline the call, the keypad remains locked.

Select **Menu** > **Settings** > **Phone** > **Automatic keyguard** > **On** to set the keypad to lock automatically after a preset time delay when the phone is in the standby mode and no function has been used.

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

### 3. Call functions

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#### ■ Make and answer a call

To make a call, enter the phone number including the area code if necessary. The country code should be included, if necessary. Press the call key to call the number. To increase or decrease the volume of the earpiece or headset during a phone call, scroll right or left.

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

#### ■ Loudspeaker

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




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

Write text

## 4. Write text

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You can enter text (refer to "Text messages," p. 16) by using predictive text  or traditional text input .

To use traditional text input, press the key repeatedly until the letter appears. To use traditional text when writing, select [Options](#) > [Prediction off](#).

To use predictive text input when writing in a text field, select [Options](#) > [Prediction on](#). When using predictive text input to enter the word you want, press each key once for a single letter, if the displayed word is the one you want, press **O**, and start writing the next word. To change the word, press **\*** repeatedly until the word you want appears. If **?** is displayed after the word, the word is not in the dictionary. To add the word to the dictionary, select [Spell](#), enter the word (using traditional text input), and select [Save](#).

Tips for writing text: to add a space, press **O**. To quickly change the text input method, press **#** repeatedly and check the indicator at the top of the display. To add a number, press and hold the desired number key. To get a list of special characters when using traditional text input, press **\***; when using predictive text input, press and hold **\***.

## 5. Menu functions

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

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 **Options** > *Main menu view* > *List* or *Grid*.

### ■ Messaging

The message services can only be used if they are supported by your network or service provider. Contact your service provider to check for service availability and rates, to subscribe, and for the correct phone settings.



#### Text and message settings

Select **Menu** > *Messaging* > *Message settings* > *Text messages* > *Message centers*. Your SIM card supports more than one message center, select or add the one you want to use, you may need to get the center number from your service provider.

Select **Menu** > *Messaging* > *Message settings* > *Picture messages* and the following settings:

*Image size (picture msgs.)* – to define the image size when you insert the image into the picture message

*Allow picture message reception* > *Yes*, *In home network*, or *No* – to use the multimedia service

*Configuration settings* – to select the default service provider for retrieving picture messages. Scroll to *Account* to see the accounts provided by the service provider and to select the one you want to use. You may receive the settings as a configuration message from the service provider.

*Allow advertisements* – to choose whether you want to receive advertising messages. This setting is not displayed if *Allow picture message reception* is set to *No*.


## Menu functions

### Text messages

Select [Menu](#) > [Messaging](#) > [Create message](#) > [Text message](#).

The short message service (SMS) (network service) allows you to send and receive multipart messages, which consist of several ordinary text messages. Invoicing may be based on the number of ordinary messages that are required for a multipart message.

Note that using special (Unicode) characters take up more space.

The blinking  indicates that the message memory is full. Before you can receive new messages, delete some of your old messages.

### Picture messages

Select [Menu](#) > [Messaging](#) > [Create message](#) > [Picture msg.](#)




**Note:** Only devices that have compatible features can receive and display picture messages. The appearance of a message may vary depending on the receiving device.

The multimedia messaging service (MMS) (network service) allows you to send and receive messages that can contain text, sound, and a picture. 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.

You cannot receive any picture messages if you have a call in progress or a game or another Java application running. Because delivery of picture messages can fail for a variety of reasons, do not rely solely upon them for essential communications.

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

Your phone supports sending and receiving picture messages that contain several pages (slides). To insert a slide in the message, select [Options](#) > [Insert](#) > [Slide](#). To set the interval between the slides, select [Options](#) > [Slide timing](#).

When you have a new picture message waiting and the memory for the messages is full,  blinks and [Memory full. Unable to receive msgs.](#) is displayed. To receive the message, select [OK](#) > [Yes](#) and the folder to delete old messages.



### Flash messages

Flash messages (network) are text messages that are instantly displayed.

Select [Menu](#) > [Messaging](#) > [Create message](#) > [Flash message](#).



Note: Only devices that offer compatible flash message features can receive and display blinking flash messages.

### Audio message

You can use MMS (network service) to create and send a voice message. MMS must be activated before you can use audio messages.

Select [Menu](#) > [Messaging](#) > [Create message](#) > [Audio message](#). The recorder opens. When you finish recording an audio message, to send the message, enter the recipient's phone number in the *To:* field. To view the available options, select [Options](#). To retrieve a phone number from [Contacts](#), select [Add](#) > [Contact](#).

When your phone receives audio messages, *1 audio message received* or the number of messages and the text *messages received* is displayed. To open the message, select [Play](#); or if more than one message is received, select [Show](#) > [Play](#). To listen to the message later, select [Exit](#). Select [Options](#) to see the available options. The audio message is played through the earpiece by default. Select [Options](#) > [Loudspeaker](#) to choose loudspeaker to play if you want.

### Voice messages

The voice mailbox is a network service that you may need to subscribe to. Contact your service provider for voice mailbox number and detailed information.

Select [Menu](#) > [Messaging](#) > [Voice mail](#).

### E-mail application

The e-mail application (network service) allows you to access your compatible e-mail account from your phone. Before you can send and retrieve any e-mail, you may need to obtain an e-mail account and the required settings. Contact your service provider for the e-mail application availability, and if available, the rates to subscribe and the correct phone settings. You may receive the e-mail configuration settings as a configuration message.

To write and send an e-mail, select [Menu](#) > [Messaging](#) > [E-mail](#) > [Write new e-mail](#). If more than one e-mail account is defined, select the account from which you want to send the e-mail. To attach a file to the e-mail, select

## Menu functions

**Options** > *Attach file* and the file in *Gallery*. When you finish entering the e-mail message, select **Send** > *Send now*.


To download e-mail, select **Menu** > *Messaging* > *E-mail* > *Check new e-mail* and the account. E-mail headers are downloaded. To download a complete e-mail message, select **Back** > *Inboxes*, the account, the new message header, and **Retrieve**.



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

Your phone saves e-mail that you have downloaded from your e-mail account in the *Inboxes* folder. Other folders are *Drafts* for saving unfinished e-mail, *Archive* for organizing and saving your e-mail, *Outbox* for saving e-mail that has not been sent, and *Sent items* for saving e-mail that has been sent. To manage the folders and their e-mail content, select **Options** to view the available options of each folder.

## ■ Contacts

You can save names and phone numbers in the phone memory and in the SIM card memory. The phone memory may save contacts with numbers and text items. Names and numbers saved in the SIM card memory are indicated by .



To find a contact, select **Menu** > *Phonebook* > *Names* > **Options** > *Find*. Scroll through the list of contacts, or enter the first letter of the name you want to find. To add a new contact, select **Menu** > *Phonebook* > *Names* > **Options** > *Add new contact*. To add more details to a contact, make sure that the memory in use is *Phone* or *Phone and SIM*. Scroll to the name to which you want to add a new number or text item, and select **Details** > **Options** > *Add detail*. To copy a contact, select **Options** > *Copy contact*. You can copy names and phone numbers between the phone contact memory and the SIM card memory. The SIM card memory can save names with one phone number attached to them. To assign a number to a dialing key, select **Menu** > *Phonebook* > *1-touch dialing*, and scroll to the dialing key number that you want to assign.

Select **Menu** > *Phonebook* > *Settings* and from the following settings:

*Memory in use* – to select SIM card or phone memory for your contacts. To recall names and number from both memories, select *Phone and SIM*.

*Phonebook view* – to select how the names and numbers in contacts are displayed

## Menu functions

[Memory status](#) – to view the free and used memory capacity

### ■ Log

The phone logs the missed, received, and dialed call numbers, and the approximate length of your calls (network service).



The network must support these functions, and the phone must be switched on and inside the network service area.

Select [Menu](#) > [Log](#) > [Call timers](#), [Packet data counter](#), or [Packet data conn. timer](#) for approximate information on your recent communications.



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

Select [Menu](#) > [Log](#) and the appropriate list:

[Missed calls](#) – to display a list of phone numbers from which someone attempted to call you and the quantity of calls from that caller

[Received calls](#) – to display a list of recently accepted or declined calls

[Dialed numbers](#) – to display a list of recently called numbers

[Clear log lists](#) – to delete the recent calls lists. You cannot undo this operation.

You can view the date and the time of the call, edit or delete the phone number from the list, save the number in [Phonebook](#), or send a message to the number.

### ■ Settings

You can adjust various phone settings in this menu. To reset some of the menu settings to their original values, select



[Menu](#) > [Settings](#) > [Restore settings](#). Enter your security code.

### Tone settings

Select [Menu](#) > [Settings](#) > [Tones](#), and change any of the available options. Your phone supports MP3 format ringing tones. You can also set your recordings as ringing tones.

### My shortcuts

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

## Menu functions

Select [Menu](#) > [Settings](#) > [My shortcuts](#) > [Right selection key](#) to allocate one phone function to the right selection key.

Select [Menu](#) > [Settings](#) > [My shortcuts](#) > [Navigation key](#) to set shortcut functions for the scroll key. Scroll to the desired shortcut key, and select [Change](#) and a function from the list. To remove a shortcut function from the key, select [\(empty\)](#). To reassign a function for the key, select [Assign](#).

## Call and phone settings

Select [Menu](#) > [Settings](#) > [Call](#) and one of the following options:

[Call forwarding](#) (network service) – to forward your incoming calls. For details, contact your service provider

[Automatic redial](#) > [On](#) – to make 10 attempts to connect the call after an unsuccessful attempt

[Call waiting](#) > [Activate](#) – to be notified by the network of an incoming call while you have a call in progress (network service).

[Send my caller ID](#) (network service) > [Set by network, Yes](#) or [No](#)

Select [Menu](#) > [Settings](#) > [Phone](#) > [Language settings](#) > [Phone language](#) to set the display language of your phone. If you select [Automatic](#) the phone selects the language according to the information on the SIM card.

## Display, time, and date settings

Select [Menu](#) > [Settings](#) > [Display](#) > [Power saver](#) > [On](#) to save some battery power. A digital clock is displayed when no function of the phone is used for a certain time.

Select [Menu](#) > [Settings](#) > [Time and date](#) and from the following options:

[Clock](#) – To show the clock in the standby mode, adjust the clock, and select the time zone and the time format.

[Date](#) – To show the date in the standby mode, set the date, and select the date format and date separator.

[Auto-update of date & time](#) (network service) – Set the phone to update the time and date automatically according to the current time zone.

### GPRS connectivity

General packet radio service (GPRS) (network service) is a data bearer that enables wireless access to data networks such as the Internet. The applications that may use GPRS are MMS, browsing, and Java application downloading.

Before you can use GPRS technology, contact your network operator or service provider for availability of and subscription to the GPRS service. Save the GPRS settings for each of the applications used over GPRS. For information on pricing, contact your network operator or service provider.

Select [Menu](#) > [Settings](#) > [Connectivity](#) > [Packet data](#) > [Packet data connection](#). Select [Always online](#) to set the phone to automatically register to a GPRS network when you switch the phone on. Select [When needed](#) to allow GPRS registration and connection when needed, and closed when you end the application.

### Enhancement settings

The compatible mobile enhancement item is displayed only if the phone is or has been connected to it.

Select [Menu](#) > [Settings](#) > [Enhancements](#) and the available enhancement. For example, once you connect the headset to your phone, you may select [Automatic answer](#) to set the phone to answer an incoming call automatically when using a headset. If the [Incoming call alert](#) is set to [Beep once](#) or [Off](#), automatic answer is not functional.

### Configuration settings

Some of the network services need to have the correct configuration settings on your phone. Get the settings from your SIM card, a service provider as a configuration message, or enter your personal settings manually.

Select [Menu](#) > [Settings](#) > [Configuration](#) and from the following:

[Default configuration settings](#) – to view the list of service providers stored on the phone (the default service provider is highlighted) or to select another service provider as default. Scroll to a provider and select [Details](#) to view the list with supported applications

[Activate default in all applications](#) – to set the applications to use the settings from the default service provider

[Preferred access point](#) – to select another access point (normally the access point from your preferred network operator is used)

## Menu functions

[Connect to service provider support](#) – to download the configuration settings from your service provider

To enter, view, and edit the settings manually, select [Menu](#) > [Settings](#) > [Configuration](#) > [Personal configuration settings](#).

### ■ Operator menu

This menu lets you access a portal to services provided by your network operator. This menu is operator specific. The name and the icon depend on the operator. The operator can update this menu with a service message. For more information, contact your network operator.

### ■ Gallery

In this menu, you can manage themes, graphics, recordings, and tones. These files are arranged in folders.



Your phone supports a digital rights management (DRM) system to protect acquired content. Always check the delivery terms of any content and activation key before acquiring them, since they may be subject to a fee.

Select [Menu](#) > [Gallery](#). [Themes](#), [Graphics](#), [Tones](#), [Recordings](#), and [Receiv. files](#) are the default folders.

### ■ Voice recorder

You can record pieces of speech, sound, or an active call. This is useful for recording a name and phone number to write them down later. The recorder cannot be used when a data call or GPRS connection is active.



Select [Menu](#) > [Media](#) > [Recorder](#), and start the recorder. To start the recording during a call, select [Options](#) > [Record](#). When you record a call, hold the phone in the normal position near to your ear. The recording is saved in [Gallery](#) > [Recordings](#). To listen to the latest recording, select [Options](#) > [Play last recorded](#). To send the last recording using MMS, select [Options](#) > [Send last recorded](#).

## ■ Organizer



### Alarm clock and calendar

You can set the phone to sound an alarm at a desired time. Select **Menu** > **Organizer** > **Alarm clock** > **Alarm time** to set the time for the alarm, **Repeat alarm** to set the phone to alert you on selected days of the week, and **Alarm tone** to select or personalize the alarm tone. To set the time out for the snooze alert, select **Snooze time-out** and the time.

The phone sounds an alert tone, and flashes **Alarm!** and the current time on the display, even if the phone is switched off. Select **Stop** to stop the alarm. If you let the phone continue to sound the alarm for a minute or select **Snooze**, the alarm stops for about 10 minutes, then resumes.

If the alarm time is reached while the device is switched off, the device switches itself on and starts sounding the alarm tone. If you select **Stop**, the device asks whether you want to activate the device for calls. Select **No** to switch off the device or **Yes** to make and receive calls. Do not select **Yes** when wireless phone use may cause interference or danger.

Select **Menu** > **Organizer** > **Calendar**. The current day is indicated by a frame. If there are any notes set for the day, the day is in bold type. To view the notes, select **View**. To delete all notes in the calendar, select the month, and **Options** > **Delete all notes**. Other options may be creating, deleting, editing, and moving a note, copying a note to another day, or sending a note directly to another compatible phone calendar as a text message or a multimedia message.

### Calculator

The calculator in your phone adds, subtracts, multiplies, divides, calculates the square and the square root, and converts currency values.



**Note:** This calculator has limited accuracy and is designed for simple calculations.

Select **Menu** > **Organizer** > **Calculator**. When 0 is displayed on the screen, enter the first number in the calculation. Press # for a decimal point. Select **Options** > **Add**, **Subtract**, **Multiply**, **Divide**, **Square**, **Square root**, or **Change sign**. Enter the second number. To get the answer, select **Equals**. To start a new calculation, first press and hold **Clear**.

To perform a currency conversion, select **Menu** > **Organizer** > **Calculator**. To save the exchange rate, select **Options** > **Exchange rate**. Select either of the displayed options. Enter the exchange rate, press # for a decimal point, and select **OK**. To

## Menu functions

perform the currency conversion, enter the amount to be converted, and select [Options](#) > [To home](#) or [To foreign](#).



**Note:** When you change base currency, you must enter new exchange rates because all previously set exchange rates are cleared.

## ■ Applications

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



To view the amount of memory available for game and application installations, select [Menu](#) > [Applications](#) > [Options](#) > [Memory status](#). To launch a game or an application, select [Menu](#) > [Applications](#) > [Games](#), or [Collection](#). Scroll to a game or an application, and select [Open](#). To download a game or an application, select [Menu](#) > [Applications](#) > [Options](#) > [Downloads](#) > [Game downloads](#) or [App. downloads](#). Your phone supports J2ME™ Java applications. Make sure that the application is compatible with your phone before downloading it.



**Important:** Only install applications from sources that offer adequate protection against harmful software.

Note that when downloading an application, it may be saved in the [Games](#) menu instead of the [Applications](#) menu.

## ■ Web

You can access various mobile Internet services with your phone browser. Check the availability of these services, pricing, and tariffs with your network operator or the service provider.



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

## Service connection

Make sure that service settings are saved and activated.

To make a connection to the service from the standby mode, select [Menu](#) > [Web](#) > [Home](#), or press and hold 0.

To select a bookmark, select [Menu](#) > [Web](#) > [Bookmarks](#). If the bookmark does not work with the current active service settings, activate another set of service settings and try again.

To select the last URL, select [Menu](#) > [Web](#) > [Last web addr.](#)





## Menu functions

To enter the address of the service, select **Menu** > **Web** > **Go to address** > **OK**.

To quit browsing and end the connection, select **Options** > **Quit**. Alternatively, press the end key twice, or press and hold the end key.

After you connect to the service, you can browse its pages. The function of the phone keys may vary in different services. Follow the text guides on the phone display.

If GPRS is selected as the data bearer, the indicator  is displayed on the top left of the display during browsing. If you receive a call or a text message or make a call during a GPRS connection, the indicator  is displayed on the top left of the display to indicate that the GPRS connection is suspended (on hold). After a call, the phone tries to reconnect the GPRS connection.

While you are browsing, options such as **Home** and **Bookmarks** may be available. The service provider may offer additional options.

Your device may have some bookmarks loaded for sites not affiliated with Nokia. Nokia does not warrant or endorse these sites. If you choose to access them, you should take the same precautions, for security or content, as you would with any Internet site.

### **Browser appearance settings**

In the standby mode, select **Menu** > **Web** > **Settings** > **Appearance settings** and from the following options:

**Text wrapping** > **On** – to allow the text to continue on the next line. If you select **Off**, the text is abbreviated.

**Show images** > **No** – to prevent any pictures appearing on the page from being displayed

**Alerts** > **Alert for unsecure connection** > **Yes** – to set the phone to alert when a secure connection changes to an insecure one during browsing

**Alert for unsecure items** > **Yes** – to set the phone to alert when a secure page contains an insecure item. These alerts do not guarantee a secure connection.

**Character encoding** – to select the character set for showing browser pages that does not include that information or to select whether to always use UTF-8 encoding when sending a Web address to a compatible phone

### **Cookies and cache memory**

A cookie is data that a site saves in your phone browser cache memory. The data can be your user information or your browsing preferences. Cookies are saved

## Menu functions

until you clear the cache memory. To allow or prevent the phone from receiving cookies, select [Menu](#) > [Web](#) > [Settings](#) > [Security settings](#) > [Cookies](#) > [Allow](#) or [Reject](#).

If you have tried to access or have accessed confidential information requiring passwords, empty the cache after each use. To empty the cache, select [Menu](#) > [Web](#) > [Clear the cache](#).

## Service inbox

The phone can receive service messages (network service) sent by your service provider. To read this service message, select [Show](#). Select [Exit](#) to move the message to the [Service inbox](#). To set the phone to receive (or not to receive) service messages, select [Menu](#) > [Web](#) > [Settings](#) > [Service inbox settings](#) > [Service messages](#) > [On](#) (or [Off](#)).

## Browser security

Security features may be required for some services, such as banking services or online shopping. For these services, you need security certificates and possibly a security module that may be available on your SIM card. For more information, contact your service provider.

## ■ SIM services

Your SIM card may provide additional services. For information, contact your service provider.



## 6. Battery information

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### ■ Charging and discharging

Your device is powered by a rechargeable battery. The full performance of a new battery is achieved only after two or three complete charge and discharge cycles. The battery can be charged and discharged hundreds of times, but it will eventually wear out. When the talk and standby times are noticeably shorter than normal, replace the battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

If a replacement battery is being used for the first time or if the battery has not been used for a prolonged period, it may be necessary to connect the charger and then disconnect and reconnect it to start the charging.

Unplug the charger from the electrical plug and the device when not in use. Do not leave fully charged battery connected to a charger, since overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time.

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

Use the battery only for its intended purpose. Never use any charger or battery that is damaged.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery. (These look like metal strips on the battery.) This might happen, for example, when you carry a spare battery in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). A device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

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

## Battery information

### ■ Nokia battery authentication guidelines

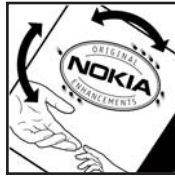
Always use original Nokia batteries for your safety. To check that you are getting an original Nokia battery, purchase it from an authorized Nokia dealer, look for the Nokia Original Enhancements logo on the packaging, and inspect the hologram label using the following steps:

Successful completion of the four steps is not a total assurance of the authenticity of the battery. If you have any reason to believe that your battery is not an authentic original Nokia battery, you should refrain from using it and take it to the nearest authorized Nokia service point or dealer for assistance. Your authorized Nokia service point or dealer will inspect the battery for authenticity. If authenticity cannot be verified, return the battery to the place of purchase.

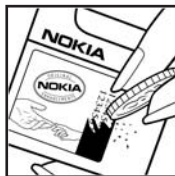
#### Authenticate hologram



1. When looking at the hologram on the label, you should see the Nokia connecting hands symbol from one angle and the Nokia Original Enhancements logo when looking from another angle.



2. When you angle the hologram left, right, down, and up, you should see 1, 2, 3, and 4 dots on each side respectively.



3. Scratch the side of the label to reveal a 20-digit code, for example, 12345678919876543210. Turn the battery so that the numbers are facing upwards. The 20-digit code reads starting from the number at the top row followed by the bottom row.

4. Confirm that the 20-digit code is valid by following the instructions at [www.nokia.com/batterycheck](http://www.nokia.com/batterycheck).

## Battery information

### What if your battery is not authentic?

If you cannot confirm that your Nokia battery with the hologram on the label is an authentic Nokia battery, please do not use the battery. Take it to the nearest authorized Nokia service point or dealer for assistance. The use of a battery that is not approved by the manufacturer may be dangerous and may result in poor performance and damage to your device and its enhancements. It may also invalidate any approval or warranty applying to the device.

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

## 7. Enhancements

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A few practical rules about accessories and enhancements:

- Keep all accessories and enhancements out of the reach of small children.
- When you disconnect the power cord of any accessory or enhancement, grasp and pull the plug, not the cord.
- Check regularly that enhancements installed in a vehicle are mounted and are operating properly.
- Installation of any complex car enhancements must be made by qualified personnel only.

## Care and maintenance

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Your device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you protect your warranty coverage.

- Keep the device dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery and allow the device to dry completely before replacing it.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.
- Use chargers indoors.
- Always create a backup of data you want to keep (such as contacts and calendar notes) before sending your device to a service facility.

All of the above suggestions apply equally to your device, battery, charger, or any enhancement. If any device is not working properly, take it to the nearest authorized service facility for service.

## Additional safety information

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

### ■ Operating environment

Remember to follow any special regulations in force in any area, and always switch off your device when its use is prohibited or when it may cause interference or danger. Use the device only in its normal operating positions. This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 2.2 centimeters (7/8 inch) from the body. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body.

In order to transmit data files or messages, this device requires a good quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

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

### ■ Medical devices

Operation of any radio transmitting equipment, including wireless phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your device in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

### Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 15.3 centimeters (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers should:



## Additional safety information

- Always keep the device more than 15.3 centimeters (6 inches) from the pacemaker
- Not carry the device in a breast pocket
- Hold the device to the ear opposite the pacemaker to minimize the potential for interference.

If you suspect interference, switch off your device and move the device away.

### Hearing aids

Some digital wireless devices may interfere with some hearing aids. If interference occurs, consult your service provider.

### ■ Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection systems, electronic antiskid (antilock) braking systems, electronic speed control systems, air bag systems. For more information, check with the manufacturer or its representative of your vehicle or any equipment that has been added.

Only qualified personnel should service the device, or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the device. Check regularly that all wireless device equipment in your vehicle is mounted and operating properly. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or enhancements. For vehicles equipped with an air bag, remember that air bags inflate with great force. Do not place objects, including installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Using your device while flying in aircraft is prohibited. Switch off your device before boarding an aircraft. The use of wireless teledevices in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network, and may be illegal.

### ■ Potentially explosive environments

Switch off your device when in any area with a potentially explosive atmosphere and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch off the device at refueling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel

## Additional safety information

depots, storage, and distribution areas, chemical plants or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), and areas where the air contains chemicals or particles such as grain, dust, or metal powders.

### ■ Emergency calls



**Important:** Wireless phones, including this device, operate using radio signals, wireless networks, landline networks, and user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.

#### To make an emergency call:

1. If the device is not on, switch it on. Check for adequate signal strength.  
Some networks may require that a valid SIM card is properly inserted in the device.
2. Press the end key as many times as needed to clear the display and ready the device for calls.
3. Enter the official emergency number for your present location. Emergency numbers vary by location.
4. Press the call key.

If certain features are in use, you may first need to turn those features off before you can make an emergency call. If the device is in the offline or flight mode, you must change the profile to activate the phone function before you can make an emergency call. Consult this guide or your service provider for more information. 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.

## Additional safety information

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

The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit 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 of device RH-87 for use at the ear is 0.68 W/kg.

Use of device accessories and enhancements may result in different SAR values. SAR values may vary depending on national reporting and testing requirements and the network band. Additional SAR information may be provided under product information at [www.nokia.com](http://www.nokia.com).

Your mobile device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA) and Industry Canada. These requirements set a SAR limit of 1.6 W/kg averaged over 1 gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear for device type RH-87 is 1.10 W/kg and when properly worn on the body is 0.84 W/kg. Information about this device can be found at <http://www.fcc.gov/oet/fccid> by searching the equipment authorization system using FCC ID: QTLRH-87.

Additional safety information

■ Technical Information

Feature	Specification	
<b>Weight</b>	91 g (3.2 oz) with battery	
<b>Size</b>	Volume: 70 cm <sup>3</sup> (4.3 in <sup>3</sup> ) Length: 104 mm (4.1 in) Width: 43 mm (1.7 in) Thickness: 18 mm (0.71 in)	
<b>Frequency range</b>	RH-87 GSM 900 880–915 MHz (TX) 925–960 MHz (RX) GSM 1800 1710–1785 MHz (TX) 1805–1865 MHz (RX)	RH-87 GSM 850 824–849 MHz (TX) 869–894 MHz (RX) GSM 1900 1850–1910 MHz (TX) 1930–1990 MHz (RX)
<b>Transmitter output power</b>	Up to 2 W	
<b>Battery voltage</b>	3.7 V dc BL-5C, 970 mAh	
<b>Operating times</b>	Standby time: up to 300 hours Talk time: up to 4 hours	
<b>Operating temperature</b>	15°C to + 25°C (59°F to + 77°F)	

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