

# RM-207 Draft User Guide

## DECLARATION OF CONFORMITY

# CE 0434

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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.

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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 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 HOSPITALS

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



## SWITCH OFF IN AIRCRAFT

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



## SWITCH OFF WHEN REFUELING

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



## SWITCH OFF NEAR BLASTING

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



## USE SENSIBLY

Use only in the positions as explained in the product documentation. Do not touch the antenna areas unnecessarily.



## QUALIFIED SERVICE

Only qualified personnel may install or repair this product.



## ENHANCEMENTS AND BATTERIES

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



## WATER-RESISTANCE

Your device 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 device.



#### 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 function of the device is switched on and in service. Press the end key as many times as needed to clear the display and return to the standby mode. 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, 900, 1800, and 1900 networks. Contact your service provider for more information about networks.

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

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



**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 require special network features. These features are not available on all networks; other networks may require that you make specific arrangements with your service provider before you can use the network services. Your service provider can give you instructions 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, these features will not appear on your device menu. Your device may also have a special configuration such as 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 multimedia messaging (MMS), browsing, e-mail application, instant messaging, presence enhanced contacts, remote synchronization, and content downloading using the browser or MMS, require network support for these technologies.

## ■ Shared memory

The following features in this device may share memory: gallery, contacts, text messages, picture messages, and instant messaging, e-mail, calendar, to-do notes, Java™ games and application, and note application. Use of one or more of these features may reduce the memory available for the remaining features sharing memory. Your device may display a message that the memory is full when you try to use a shared memory feature. In this case, delete some of the information or entries stored in the shared memory features before continuing.

# General information

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## ■ Access codes

### Security code

The security code (5 to 10 digits) helps to protect your phone against unauthorized use. The preset code is 12345. To change the code, and to set the phone to request the code, see "Security," p. 52.

### PIN codes

The personal identification number (PIN) code and the universal personal identification number (UPIN) code (4 to 8 digits) help to protect your SIM card against unauthorized use. See "Security," p. 52.

The PIN2 code (4 to 8 digits) may be supplied with the SIM card and is required for some functions.

The module PIN is required to access the information in the security module. See "Security module," p. 28.

The signing PIN is required for the digital signature. See "Digital signature," p. 29.

### PUK codes

The personal unblocking key (PUK) code and the universal personal unblocking key (UPUK) code (8 digits) are required to change a blocked PIN code and UPIN code, respectively. The PUK2 code (8 digits) is required to change a blocked PIN2 code. If the codes are not supplied with the SIM card, contact your local service provider for the codes.



## Restriction password

The restriction password (4 digits) is required when using the call restriction service. See "Security," p. 52.

## ■ Configuration settings service

To use some of the network services, such as mobile internet services, MMS, Nokia Xpress audio messaging, or remote internet server synchronization, your phone needs the correct configuration settings. For more information on availability, contact your service provider, nearest authorized Nokia dealer, or visit the support area on the Nokia website, [www.nokiausa.com/support](http://www.nokiausa.com/support).

When you have received the settings as a configuration message, and the settings are not automatically saved and activated, *Configuration settings received* is displayed.

To save the settings, select **Show > Save**. If required, enter the PIN code supplied by the service provider.

To discard the received settings, select **Exit** or **Show > Discard**.

## ■ Software updates

Nokia may produce software updates that may offer new features, enhanced functions, or improved performance. You may be able to request these updates through the Nokia Software Updater PC application. To update the device software, you need the Nokia Software Updater application and a compatible PC with Microsoft Windows 2000 or XP operating system, broadband internet access, and a compatible data cable to connect your device to the PC.

To get more information and to download the Nokia Software Updater application, visit [www.nokia.com/softwareupdate](http://www.nokia.com/softwareupdate) or your local Nokia web site.

If software updates over the air are supported by your network, you may also be able to request updates through the device. See "Phone," p. 50, *Phone updates*.

Downloading software updates 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.

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



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

## ■ Download content

You may be able to download new content (for example, themes) to the phone (network service).

For the availability of different services, pricing, and fees, contact your service provider.



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

## ■ Digital rights management

Content owners may use different types of digital rights management (DRM) technologies to protect their intellectual property, including copyrights. This device uses various types of DRM software to access DRM-protected content. With this device you may be able to access content protected with WMDRM 10, OMA DRM 1.0, OMA DRM 1.0 forward lock, and OMA DRM 2.0. If certain DRM software fails to protect the content, content owners may ask that such DRM software's ability to access new DRM-protected content be revoked. Revocation may also prevent renewal of such DRM-protected content already in your device.

Revocation of such DRM software does not affect the use of content protected with other types of DRM or the use of non-DRM-protected content.

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

If your device has OMA DRM protected content, to back up the content, use the backup feature of Nokia PC Suite.

If your device has WMDRM protected content, both the activation keys and the content will be lost if the device memory is formatted. You may also lose the activation keys and the content in case the files on your device get corrupted. Losing the activation keys or the content may limit your ability to use the same content on your device again. For more information, contact your service provider.

# 1. Get started

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## ■ Install the SIM card and battery

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

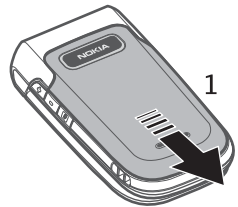
For availability and information on using SIM card services, contact your SIM card vendor. This may be the service provider or other vendor.

This device is intended for use with a BL-5C battery. Always use original Nokia batteries. See "Nokia battery authentication guidelines," p. 65.

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

To install the SIM card:

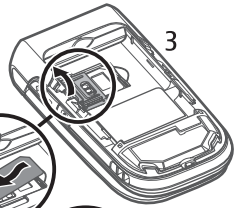
1. With the back of the phone facing you, slide the back cover to remove it from the phone.



2. To remove the battery, lift it as shown.



3. To release the SIM card holder, gently pull the locking clip of the card holder, and open it.



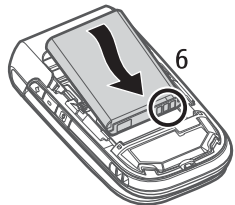
4. Insert the SIM card into the SIM card holder. Make sure that the SIM card is properly inserted and that the golden contact area on the card is facing downwards.



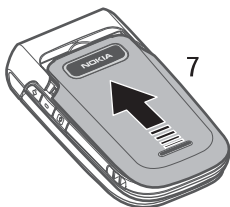
5. Close the SIM card holder, and press it until it snaps into position.



6. Replace the battery.



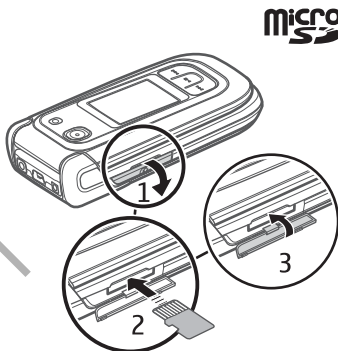
- Slide the back cover into place.



## ■ Insert a microSD card

- Open the memory card holder as shown.
- Insert the card into the microSD card slot with the gold-colored contact area on the card facing upwards, and press it until it clicks into place.
- Close the memory card holder.

A memory card is not included in the sales pack.



**Important:** Do not remove the memory card in the middle of an operation when the card is being accessed. Removing the card in the middle of an operation may damage the memory card as well as the device, and data stored on the card may be corrupted.

## ■ Remove the microSD card

You can remove or replace the microSD card during phone operation without switching the phone off.

- Make sure that no application is currently accessing the micro SD memory card.
- Open the memory card holder.
- Press the microSD card slightly in to release the locking.
- Remove the microSD card from the slot.

## ■ Charge the battery

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from an AC-3, AC-4, AC-5, or CA-70 charger.



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

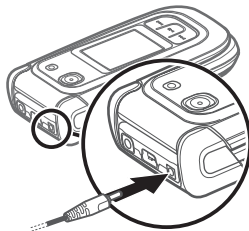
For availability of approved enhancements, please check with your dealer. When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.

1. Connect the charger to a wall socket.
2. Connect the lead from the charger to the charger connector as shown.

A CA-44 charger adapter can be used with older charger models.

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

The charging time depends on the charger used. Charging a BL-5C battery with the AC-4 charger takes approximately 1 hour and 30 minutes while the phone is in the standby mode.



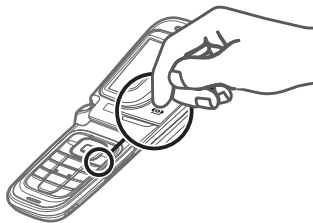
## ■ Open and close the phone

You open and close the phone manually. When you open the fold of the phone, it opens up to approximately 165 degrees. Do not try to force the fold open more. Depending on the theme, a tone sounds when you open and close the phone.

## ■ Switch the phone on and off

Press and hold the end key until the phone turns on or off.

If the phone asks for a PIN or a UPIN code, enter the code (displayed as \*\*\*\*), and select OK.



## Set the time, time zone, and date

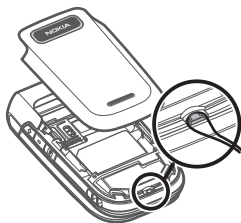
Enter the local time, select the time zone of your location in terms of the time difference with respect to Greenwich Mean Time (GMT), and enter the date. See "Date and time," p. 45.

## Plug and play service

When you switch on your phone for the first time, and the phone is in the standby mode, you are asked to get the configuration settings from your service provider (network service). Confirm or decline the query. See "Configuration settings service," p. 9.

## ■ Phone strap

- Remove the back cover of the phone.
- Insert a strap as shown in the picture.
- Replace the back cover.

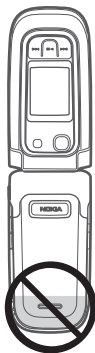


## ■ Antenna

Your device has an internal antenna.



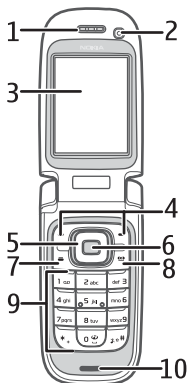
**Note:** As with any radio transmitting device, avoid touching an antenna unnecessarily when the antenna is in use. For example, avoid touching the cellular antenna during a phone call. Contact with a transmitting or receiving antenna affects the quality of the radio communication, may cause the device to operate at a higher power level than otherwise needed, and may reduce the battery life.



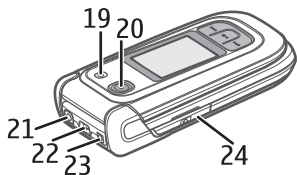
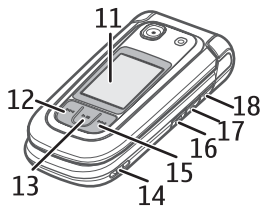
## 2. Your phone

### ■ Keys and parts

- 1 – Earpiece
- 2 – CIF camera
- 3 – Main display
- 4 – Left and right selection keys
- 5 – Navi™ scroll key; herein referred to as scroll key
- 6 – Middle selection key
- 7 – Call key
- 8 – End key; ends calls (short key press) and turns phone on and off (long key press)
- 9 – Keypad
- 10 – Loudspeaker



- 10 – Close bumper
- 11 – Mini display
- 12 – Music key; rewinds current track (press and hold) or skips to previous track (short key press)
- 13 – Music key play/pause
- 14 – Loudspeaker
- 15 – Music key; fast forwards current track (press and hold) or skip to next track (short key press)
- 16 – Camera key
- 17 – Volume down key
- 18 – Volume up key/PTT key
- 19 – Camera flash
- 20 – 2-megapixel camera
- 21 – Headset connector
- 22 – USB port
- 23 – Charger connector
- 24 – Memory card slot



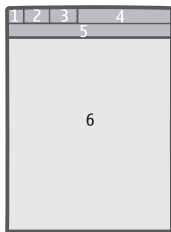
**Warning:** The scroll key and the middle selection key (6) in this device may contain nickel. The scroll key and the middle selection key are not designed for prolonged contact with the skin. Continuous exposure to nickel on the skin may lead to a nickel allergy.

## ■ Standby mode

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

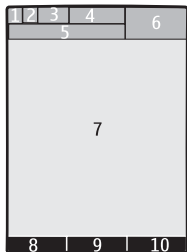
### Mini display

- 1 – Network mode indicator
- 2 – Signal strength of the cellular network
- 3 – Battery charge status
- 4 – Indicators
- 5 – Network name or the operator logo
- 6 – Clock and date



## Main display

- 1 – Network mode indicator
- 2 – Signal strength of the cellular network
- 3 – Battery charge status
- 4 – Indicators
- 5 – Network name or the operator logo
- 6 – Clock
- 7 – Main display
- 8 – Left selection key: **Go to** or a shortcut to another function. See “Left selection key,” p. 46.
- 9 – Middle selection key: **Menu**.
- 10 – Right selection key: **t-zones** or a shortcut to a function that you selected. See “Right selection key,” p. 46.



## Active standby mode

To enable or disable the active standby mode, select **Menu** > *Settings* > *Main display* > *Active standby* > *Active standby mode* > *On* or *Off*.






To access active standby applications, first scroll up, and then scroll to the application, and select **View** or **Select**. To select an application or event, scroll to it and press the scroll key.

To end the active standby navigation mode select **Exit**.





















To switch the active standby mode off, select **Options** > *Active standby sett.* > *Active standby mode* > *Off*.

To organize and change the active standby mode, activate the navigation mode, and select **Options** > *Personalize view* or *Active standby sett.*


## Indicators

-  You have unread messages.
-  You have unsent, canceled, or failed messages.
-  The phone registered a missed call.
-  Your phone is connected to the instant messaging service, and the availability status is online or offline.
-  You received one or several instant messages.



-  The keypad is locked.
-  The phone does not ring for an incoming call or text message.
-  The alarm clock is activated.
-  The countdown timer is running.
-  The stopwatch is running.
-  The phone is registered to the GPRS or EGPRS network.
-  A GPRS or EGPRS connection is established.
-  The GPRS or EGPRS connection is suspended (on hold).
-  A Bluetooth connection is active.
-  A push to talk connection is active or suspended.
-  If you have two phone lines, the second phone line is selected.
-  All incoming calls are forwarded to another number.
-  The loudspeaker is activated, or the music stand is connected to the phone.
-  Calls are limited to a closed user group.
-  The timed profile is selected.
-  , , , or  A headset, handsfree, loopset, or music stand enhancement is connected to the phone.

## ■ Flight mode

You can deactivate all radio frequency functions and still have access to offline games, the calendar, and phone numbers. Use the flight mode in radio sensitive environments—on board aircraft or in hospitals. When the flight mode is active,  is shown.

Select **Menu > Settings > Profiles > Flight > Activate or Customize**.

To deactivate the flight mode, select any other profile.

In the flight mode you can make an emergency call. Enter the emergency number, press the call key, and select **Yes** when asked **Exit flight profile?** The phone attempts to make an emergency call.

When the emergency call ends, the phone automatically changes to the normal profile mode.



**Warning:** With the flight profile you cannot make or receive any calls, including emergency calls, or use other features that require network coverage. To make calls, you must first activate the phone function by changing profiles. If the device has been locked, enter the lock code. If you need to make an emergency call while the device is locked and in the flight profile, you may be also able to enter an official emergency number programmed in your device in the lock code field and select 'Call'. The device will confirm that you are about to exit flight profile to start an emergency call.

## ■ Keypad lock (keyguard)

Select **Menu** or **Unlock** and press \* within 1.5 seconds to lock or unlock the keypad.

If the security keyguard is activated, enter the security code if requested.

To answer a call when the keyguard is on, press the call key or open the phone. When you end or decline the call, the keypad automatically locks.

For *Security keyguard*, see "Phone," p. 50.

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

## ■ Functions without a SIM card

Several functions of your phone may be used without installing a SIM card (for example, data transfer with a compatible PC or other compatible device). Some functions appear dimmed in the menus and cannot be used.

# 3. Call functions

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## ■ Make a voice call

1. Enter the phone number, including the area code.

For international calls, press \* twice for the international prefix (the + character replaces the international access code), enter the country code, the area code without the leading 0, if necessary, and the phone number.

2. To call the number, press the call key.

To increase or decrease the volume during a call, press the volume keys.

3. To end the call or to cancel the call attempt, press the end key, or close the phone.

To find a name or phone number that you saved in *Phonebook*, see "Find a contact," p. 38. Press the call key to call the number.

To access the list of dialed numbers, press the call key once in the standby mode. To call a number, select a number or name, and press the call key.

## 1-touch dialing

Assign a phone number to one of the 1-touch-dialing keys, 2 to 9. See "1 touch-dialing," p. 40. Call the number in either of the following ways:

- Press a 1-touch-dialing key, then the call key.
- If *1-touch dialing* is set to *On*, press and hold a 1-touch-dialing key until the call begins. See *1-touch dialing* in "Call," p. 50.

## Enhanced voice dialing

To make a phone call, say the name that is saved in the contact list of the phone. Voice commands are language-dependent. To set the language, see *Recognition lang.* in "Phone," p. 50.



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

1. In the standby mode, press and hold the right selection key or press and hold the volume down key. A short tone is played, and *Speak now* is displayed.
2. Say the voice command clearly. If the voice recognition was successful, a list with matches is shown. The phone plays the voice command of the match on the top of the list. If the result is not the correct one, scroll to another entry.

Using voice commands to carry out a selected phone function is similar to voice dialing. See *Voice commands* in "My shortcuts," p. 46.

## ■ Answer or decline a call

To answer an incoming call, press the call key, or open the phone.

To end the call, press the end key or close the phone.

To decline an incoming call, press the end key or close the phone.

To decline an incoming call when the phone is closed, press and hold a volume key.

To mute the ringing tone, press a volume key when the phone is closed, or select *Silence* when the phone is open.

When receiving a call with the phone open, select **Options** > *Loudspeaker*, *Answer*, or *Decline*.

## Call waiting

To answer the waiting call during an active call, press the call key. The first call is put on hold. To end the active call, press the end key.

To activate the *Call waiting* function, see “Call,” p. 50.

## ■ Options during a voice call

Many of the options that you can use during a call are network services. For availability, contact your service provider.

During a call, select **Options** and from the following:

Call options are *Mute* or *Unmute*, *Phonebook*, *Menu*, *Lock keypad*, *Record* or *Loudspeaker*.

Network services options are *Answer* or *Decline*, *Hold* or *Resume*, *New call*, *Add to conference*, *End call*, *End all calls*, and the following:

*Touch tones* – to send tone strings

*Swap* – to switch between the active call and the call on hold

*Transfer calls* – to connect a call on hold to an active call and disconnect yourself

*Conference* – to make a conference call

*Private call* –to discuss privately in a conference call



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

## ■ Make a video call

During operation, for example, during an active video call or highspeed data connection, this device may at times feel warm. In most cases, this is normal, not a fault. If you suspect the device is not working properly, take it to the nearest authorized service facility for service.

When you make a video call, you send a real-time video to the recipient of the call. The video image captured by the VGA camera above the main display, is shown to the video call recipient.

To be able to make a video call, you must have a USIM card and be connected in a WCDMA network. For availability of and subscription to video call services, contact your service provider. A video call can only be made between two parties. The video call can be made to a compatible phone or an ISDN client. Video calls cannot be made while another voice, video, or data call is active.

1. To start a video call, enter the phone number in the standby mode, or select **Phonebook** and a contact.
2. Press and hold the call key, or select **Options > Video call**.

Starting a video call may take a while. *Video call* and an animation are shown. If the call is not successful (for example, video calls are not supported by the network or the receiving device is not compatible) you are asked if you want to try a normal call or send a message instead.



**Tip:** To increase or decrease the volume during a call, press the volume keys.

The video call is active when you can see two video images and hear the sound through the loudspeaker. If the call recipient denies the video sending, you may see a still image or a grey background graphic. You will hear the sound.

3. To end the call, press the end key.

## ■ Answer or decline a video call

When a video call arrives, *Video Call* is displayed.

1. Press the call key to answer the video call.

If you select **Yes**, the image being captured by the camera in your phone is shown to the caller. If you select **No**, or do nothing, video sending is not activated, and you hear a sound. A graphic is displayed, indicating that the video is not sent. You can enable or disable video sending at any time during the video call.

2. To end the video call, press the end key.

Even when you deny video sending during a video call, the call is still charged as a video call. Check the pricing with your service provider.

## ■ Options during a video call

During a video call, select **Options** and from the available options.

## ■ Video sharing

During voice call, you can share your live camera view with the call recipient. To share a video, the recipient must have a compatible mobile device and a SIP address in your contacts list. If the recipient's SIP address is missing, enter it.

Select **Options** > *Video sharing*. The phone sends an invitation, and *Sending invitation* is displayed. If the recipient accepts, *Start sharing video?* is displayed. Select **Yes**, and the phone starts sending the video. Audio is routed to the loudspeaker.

To pause video sharing, select **Pause**. The middle selection key changes to **Continue**.



To resume the video sharing select **Continue**. The middle selection key changes to **Pause**.

To end a video sharing session, select **Stop**. *Video sharing ended* is shown to both participants.

To check availability and costs, and to subscribe to the service, contact your service provider.

## 4. Write text

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You can enter text (for example, when writing messages) using traditional or predictive text input. When you write text, select 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, 1 to 9, repeatedly until the desired character appears. The characters available 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. The most common punctuation marks and special characters are available under the 1 key.

### ■ Predictive text input

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

1. Start writing a word using the keys 2 to 9. Press each key only once for one letter. The phone displays \* or the letter if it separately has a meaning as a word. The entered letters are displayed underlined.
2. When you finish writing the word and it is correct, to confirm it, press 0 to 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.

## 5. Navigate the menus

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The phone offers you an extensive range of functions, which are grouped into menus.

1. To access the menu, select **Menu**.

To change the menu view, select **Options** > *Main menu view* > *List, Grid, Grid with labels, or Tab*.

To rearrange the menu, select **Options** > *Organize*. Scroll to the menu you want to move, and select **Move**. Scroll to where you want to move the menu, and select **OK**. To save the change, select **Done** > **Yes**.

2. Scroll through the menu, and select an option (for example, *Settings*).
3. If the selected menu contains further submenus, select the one that you want (for example, *Call*).
4. If the selected menu contains further submenus, repeat step 3.
5. Select the setting of your choice.
6. To return to the previous menu level, select **Back**. To exit the menu, select **Exit**.

## 6. Voice notes

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Use *Voice notes* to create and send voice mails directly to a recipient's mobile or e-mail.

Select **Menu** > *Voice notes* to display the voice recorder. See "Nokia Xpress audio messaging," p. 31.

## 7. Log

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The phone registers your missed, received, and dialed calls, if the network supports it, and the phone is switched on, and within the network service area.

To view the information on your calls, select **Menu** > *Log* > *Missed calls, Received calls, or Dialed numbers*. To view your recent missed and received calls and the dialed numbers chronologically, select *Call log*. To view the contacts to whom you most recently sent messages, select *Msg. recipients*.

To view the information on your recent communications, select **Menu** > *Log* > *Call timers, Data counter, or Pack. data timer*.

To view how many text and picture messages you have sent and received, select **Menu** > *Log* > *Message log*.



**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.

## 8. t-zones

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You can access various mobile internet services with your phone browser.



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

Check the availability of these services, pricing, fees, and instructions with your service provider.

With the phone browser you can view the services that use wireless markup language (WML) or extensible hypertext markup language (XHTML) on their pages. Appearance may vary due to screen size. You may not be able to view all details of the internet pages.

### ■ Set up browsing

You may receive the configuration settings required for browsing as a configuration message from the service provider that offers the service that you want to use. See "Configuration settings service," p. 9. You can also enter all the configuration settings manually. See "Configuration," p. 52.

### ■ Connect to a service

Ensure that the correct configuration settings of the service are activated.

1. To select the settings for connecting to the service, select **Menu** > *t-zones* > *Settings* > *Configuration sett.*
2. Select *Configuration*. Only the configurations that support browsing service are shown. Select a service provider, *Default*, or *t-zones* for browsing. See "Set up browsing," p. 24.
3. Select *Account* and a browsing service account contained in the active configuration settings.
4. Select *Displ. term. window* > *Yes* to perform manual user authentication for intranet connections.

Make a connection to the service in one of the following ways:

- Select **Menu** > *t-zones* > *t-zones*; or in the standby mode, press and hold **0**.



- To select a bookmark of the service, select **Menu** > *t-zones* > *Bookmarks*.
- To select the last URL, select **Menu** > *t-zones* > *Last web addr.*
- To enter the address of the service, select **Menu** > *t-zones* > *Go to address*. Enter the address of the service, and select **OK**.

## ■ Browse pages

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

### Browse with phone keys

To browse through the page, scroll in any direction.

To select an item, press the call key, or choose **Select**.

To enter letters and numbers, press the **0** to **9** keys. To enter special characters, press **\***.

### Direct calling

While browsing, you can make a phone call, and save a name and a phone number from a page.

## ■ Bookmarks

You can save page addresses as bookmarks in the phone memory.

1. While browsing, select **Options** > *Bookmarks*; or in the standby mode, select **Menu** > *t-zones* > *Bookmarks*.
2. Scroll to a bookmark, and select it, or press the call key to make a connection to the page associated with the bookmark.
3. Select **Options** to view, edit, delete, or send the bookmark; to create a new bookmark; or to save the bookmark to a folder.

Your device may have preinstalled bookmarks and links for third-party internet sites. You may also access other third-party sites through your device. Third party sites are not affiliated with Nokia and Nokia does not endorse or assume liability for them. If you choose to access such sites, you should take the precautions for security or content.

### Receive a bookmark

When you have received a bookmark that is sent as a bookmark, *1 bookmark received* is displayed. To view the bookmark, select **Show**.

## ■ Appearance settings

While browsing, select **Options** > *Other options* > *Appearance settings*; or in the standby mode, select **Menu** > *t-zones* > *Settings* > *Appearance settings* and from the following options:

*Text wrapping* – to select how the text shall appear on the display

*Font size* – to set the font size

*Show images* > *No* – to hide images on the page

*Alerts* > *Alert for unsec. conn.* > *Yes* – to set the phone to alert when a secure connection changes to a nonsecure one during browsing

*Alerts* > *Alert for unsec. items* > *Yes* – to set the phone to alert when a secure page contains a nonsecure item. These alerts do not guarantee a secure connection. For more information, see "Browser security," p. 28.

*Character encoding* > *Content encoding* – to select the encoding for the browser page content

*Character encoding* > *Unicode (UTF-8) addr.* > *On* – to set the phone to send a URL as a UTF-8 encoding

*Screen size* > *Full* or *Small* – to set the screen layout

*Show page title* – to show page title

*JavaScript* > *Enable* – to enable the Java scripts

## ■ Security settings

### Cookies

A cookie is data that a site saves in the cache memory of your phone. Cookies are saved until you clear the cache memory. See "Cache memory," p. 27.

While browsing, select **Options** > *Other options* > *Security* > *Cookie settings*; or in the standby mode, select **Menu** > *t-zones* > *Settings* > *Security settings* > *Cookies*. To allow or prevent the phone from receiving cookies, select *Allow* or *Reject*.

### Scripts over secure connection

You can select whether to allow the running of scripts from a secure page. The phone supports WML scripts.

While browsing, to allow the scripts, select **Options** > *Other options* > *Security* > *WMLScript settings*; or in the standby mode, select **Menu** > *t-zones* > *Settings* > *Security settings* > *WMLScripts in conn.* > *Allow*.

## ■ Download settings

To automatically save all downloaded files in *Gallery*, select **Menu** > *t-zones* > *Settings* > *Downloading sett.* > *Automatic saving* > *On*.

## ■ t-zones inbox

The phone is able to receive service messages sent by your service provider (network service). Service messages are notifications (for example, news headlines), and they may contain a text message or an address of a service.

To access the *t-zones inbox* in the standby mode, when you have received a service message, select **Show**. If you select **Exit**, the message is moved to the *t-zones inbox*. To access the *t-zones inbox* later, select **Menu** > *t-zones* > *t-zones inbox*.

To access the *t-zones inbox* while browsing, select **Options** > *Other options* > *t-zones inbox*. Scroll to the message you want, and to activate the browser and download the marked content, select **Go**. To display detailed information on the service notification or to delete the message, select **Options** > *Details* or *Delete*.

## t-zones inbox settings

Select **Menu** > *t-zones* > *Settings* > *t-zones inbox sett.*

To set whether you want to receive service messages, select *t-zones messages* > *On* or *Off*.

To set the phone to receive service messages only from content authors approved by the service provider, select *Message filter* > *On*. To view the list of the approved content authors, select *Trusted channels*.

To set the phone to automatically activate the browser from the standby mode when the phone has received a service message, select *Autom. connection* > *On*. If you select *Off*, the phone activates the browser only after you select **Go** when the phone has received a service message.

## ■ Cache memory

A cache is a memory location that is used to store data temporarily. If you have tried to access or have accessed confidential information requiring passwords, empty the cache after each use. The information or services you have accessed are stored in the cache. To empty the cache, while browsing, select **Options** > *Other options* > *Clear the cache*; in the standby mode, select **Menu** > *t-zones* > *Clear the cache*.

## ■ Browser security

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

### Security module

The security module improves security services for applications requiring a browser connection, and allows you to use a digital signature. The security module may contain certificates as well as private and public keys. The certificates are saved in the security module by the service provider.

To view or change the security module settings, select **Menu** > *Settings* > *Security* > *Security module sett.*

### Certificates



**Important:** Even if the use of certificates makes the risks involved in remote connections and software installation considerably smaller, they must be used correctly in order to benefit from increased security. The existence of a certificate does not offer any protection by itself; the certificate manager must contain correct, authentic, or trusted certificates for increased security to be available. Certificates have a restricted lifetime. If "Expired certificate" or "Certificate not valid yet" is shown even if the certificate should be valid, check that the current date and time in your device are correct.

Before changing any certificate settings, you must make sure that you really trust the owner of the certificate and that the certificate really belongs to the listed owner.

There are three kinds of certificates: server certificates, authority certificates, and user certificates. You may receive these certificates from your service provider. Authority certificates and user certificates may also be saved in the security module by the service provider.

To view the list of the authority or user certificates downloaded into your phone, select **Menu** > *Settings* > *Security* > *Authority certificates* or *User certificates*.





is displayed during a connection, if the data transmission between the phone and the content server is encrypted.

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

## Digital signature

You can make digital signatures with your phone if your SIM card has a security module. Using the digital signature can be the same as signing your name to a paper bill, contract, or other document.

To make a digital signature, select a link on a page, such as, the title of the book you want to buy and its price. The text to sign, which may include the amount and date, is displayed.

Check that the header text is *Read* and that the digital signature icon   is displayed.

If the digital signature icon does not appear, there is a security breach, and you should not enter any personal data such as your signing PIN.

To sign the text, read all of the text first, and select **Sign**.

The text may not fit within a single screen. Therefore, make sure to scroll through and read all of the text before signing.

Select the user certificate you want to use. Enter the signing PIN. The digital signature icon disappears, and the service may display a confirmation of your purchase.

## 9. Messaging

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You can read, write, send, and save text messages, picture messages, e-mail messages, voice notes, and flash messages. All messages are organized into folders.

### ■ Message

#### Creating a message

Creating a new message is by default a text message, but changes automatically into a picture message when files are added.

#### Text messages (SMS)

With the short message service (SMS) you can send and receive text messages, and receive messages that can contain pictures (network service).

Before you can send any text or SMS e-mail messages, you must save your message center number. See "Message settings," p. 36.

To check SMS e-mail service availability and to subscribe to the service, contact your service provider. To save an e-mail address in *Phonebook*, see "Save details," p. 39.

Your device supports the sending of text messages beyond the character limit for a single message. Longer messages are sent as a series of two or more messages. Your service

provider may charge accordingly. Characters that use accents or other marks, and characters from some language options, take up more space, limiting the number of characters that can be sent in a single message.

An indicator at the top of the display shows the total number of characters left and the number of messages needed for sending. For example, 673/2 means that there are 673 characters left and that the message will be sent as a series of two messages.

## Write and send a text message

1. Select **Menu** > *Messaging* > *Create message* > *Message*.
2. Enter one or more phone numbers in the *To:* field. To retrieve a phone number from a memory, select **Add**.
3. Write your message in the *Text:* field.  
To use a text template, scroll down and select **Insert**.
4. To send the message, select **Send**, or press the call key.

## Read and reply to a text message

1. To view a received message, select **Show**. To view it later, select **Exit**.  
To read the message later, select **Menu** > *Messaging* > *Inbox*.
2. To reply to a message, select **Reply**. Write the reply message.  
To add a file scroll down, and select **Insert**.
3. To send the message, select **Send**, or press the call key.

## Picture messages

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

A picture message can contain some attachments.

To check availability and to subscribe to the multimedia messaging service (MMS, network service), contact your service provider.

## Write and send a picture message

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

1. Select **Menu** > *Messaging* > *Create message* > *Message*.
2. Enter one or more phone numbers or e-mail addresses in the *To:* field. To retrieve a phone number or e-mail address from a memory, select **Add**.
3. Write your message. To add a file, scroll down and select **Insert**.

4. To view the message before sending it, select **Options** > *Preview*.
5. To send the message, select **Send**, or press the call key.

## Message sending

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

To send the message, select **Send**. The phone saves the message in the *Outbox* folder, and the sending starts.



**Note:** Your device may indicate that your message was sent to the message center number programmed into your device. Your device may not indicate whether the message is received at the intended destination. For more details about messaging services, contact your service provider.

If an interruption occurs while the message is being sent, the phone tries to resend the message a few times. If these attempts fail, the message remains in the *Outbox* folder. To cancel the sending of the messages *Outbox*, scroll to the desired message, and select **Options** > *Cancel sending*.

## Read and reply to a picture message



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

1. To view a received message, select **Show**. To view it later, select **Exit**.  
To view the message later, select **Menu** > *Messaging* > *Inbox*.
2. To view the whole message if the received message contains a presentation, select **Play**.  
To view the files in the presentation or the attachments, select **Options** > *Objects or Attachments*.
3. To reply to a message, select **Reply**. Write the reply message.  
To add a file in the reply, scroll down and select **Insert**.
4. To send the message, select **Send**, or press the call key.

## ■ Nokia Xpress audio messaging

You can use the multimedia message service to create and send a voice note in a convenient way. MMS must be activated before you can use voice notes.

### Create a message

1. Select **Menu** > *Messaging* > *Create message* > *Voice notes*. The recorder opens. To use the recorder, see "Voice recorder," p. 58.

2. Speak your message.
3. Enter one or more phone numbers in the *To:* field, or select **Add** to retrieve a number.
4. To send the message, select **Send**, or press the call key.

## Listen to a message

To open a received voice note, select **Play**. If more than one message is received, select **Show > Play**. To listen to the message later, select **Exit**.

## ■ Memory full

When you receive a message, and the memory for the messages is full, *Memory full. Unable to receive messages.* is shown. To first delete old messages, select **OK > Yes** and the folder. Scroll to the desired message, and select **Delete**. To delete multiple messages, select **Mark**. Mark all the messages you want to delete, and select **Options > Delete marked**.

## ■ Folders

The phone saves received messages in the *Inbox* folder.

Messages that have not yet been sent are saved in the *Outbox* folder.

To set the phone to save the sent messages in the *Sent items* folder, see *Save sent messages* in "General settings," p. 36.

To edit and send messages that you have written and saved in the *Drafts* folder, select **Menu > Messaging > Drafts**.

You can move your messages to the *Saved items* folder. To organize your *Saved items* subfolders, select **Menu > Messaging > Saved items**. To add a folder, select **Options > Add folder**. To delete or rename a folder, scroll to the desired folder, and select **Options > Delete folder** or **Rename folder**.

Your phone has templates. To access the template list, select **Menu > Messaging > Create message > Templates**. To create a new template, write a message, and select **Options > Save message > Save as template**.

## ■ Instant messaging

You can take text messaging to the next level by experiencing instant messaging (IM, network service) in a wireless environment. You can engage in IM with friends and family, regardless of the mobile system or platform (like the internet) they are using, as long as you all use the same IM service.



Before you can start using IM, you must first register with the instant messaging service you want to use and obtain a unique ID and password before you can use IM. See "Register with an IM service," p. 33 for more information.



**Note:** Depending on your IM service provider, you may not have access to all of the features described in this guide and your menus may be different.

To check the availability and costs and to subscribe to the IM service, contact your wireless service provider and the IM service provider from whom you receive your unique ID, password, and settings.

While you are logged in and connected to the IM service, you can exit the IM application and use the other functions of the phone, and the IM session and conversations remain active in the background.

## Register with an IM service

You can do this by registering over the internet with the IM service provider you have selected to use. During the registration process, you will have the opportunity to create the unique ID and password of your choice. For more information about signing up for IM services, contact your wireless service provider or an IM service provider.

## Login

1. Select **Menu** > *Messaging* > *IMs*.

A list of available IM services is displayed.

2. Select the IM service you want to use and enter your unique ID and password.

If you have already logged in to an IM service before, the unique ID you used previously is displayed automatically.

3. Select **Sign On**, **Connect**, or **Sign In**, depending on your IM service provider.

Depending on the IM service provider you are using, these may not be the exact menu items displayed.

You can choose to save your password so you do not have to enter it each time you sign in, or you can choose to log in automatically and skip the login menu when you select the IM application.

## Begin an IM session

You can send instant messages to anyone if you have the person's unique ID and you use the same IM service.

To begin an IM session, do the following:

1. From your contacts list, select a contact who is online.

Some IM service providers also allow sending instant messages to contacts who are not online.

2. To send a message to a person who is not in your contacts list, select **Options**, the option to send a message, and enter the unique ID of the person.

A conversation menu is displayed, with the contact's name displayed at the top.

3. Enter a message. When you finish the message, select **Send**.

## Receive and reply to messages

If you have an active IM conversation open and receive an instant message from the contact with whom you are chatting, the new message notification sound plays and the message appears in the conversation. As the conversation progresses, the most recent message appears at the bottom of the menu, causing the previous messages to move up if the screen is full. To reply, enter your message and select **Send**.

If you receive an instant message when you have the IM application open, but do not have an active conversation open, the new message notification sound plays. Also, a new IM icon is displayed next to the name of the message sender under the conversations section of the contacts list.

If you receive an instant message when you are logged in to the IM service but do not have the IM application open on your phone, a message is displayed telling you that a new IM message has been received. Select **Start** to open the IM application, and view the new message.

## Return to chat session

From the IM contacts list, select **Conversations**. This list displays all IM conversations and group chats in which you are currently participating. To view a conversation or continue chatting, select a group name or contact name.

## Contacts

You can add the names of contacts with whom you interact frequently by IM to the contacts list.

### **Add a new contact**

To add a contact to the contacts list, select **Options** > *Add buddy*, *Add user*, *Add new contact*, or *Add a Contact*, depending on your IM service provider.

Enter the contact's unique ID for the IM service and select **OK**.

## Remove a contact

From the contacts list, select the contact you want to remove, and select **Options** > *Delete buddy*, *Delete contact*, or *Remove contact*, depending on your IM service provider., then select **OK**.

## Conversation options

You can save an open conversation to be available for viewing, even after you end the conversation.

To save a conversation, while you have it open, select **Options** > *Save*, edit the name, if you want, and select **Save**.

To view a saved conversation, from the contacts list, select **Options** > *Saved conversations*. Scroll to the conversation name you want, and select **Open**.

To rename a saved conversation, from the contacts list, select **Options** > *Saved conversations*. Scroll to the conversation name you want, and select **Options** > *Rename*. Rename the conversation, and select **OK**.

To delete a saved conversation, from the contacts list, select **Options** > *Saved conversations*. Scroll to the conversation name you want, and select **Options** > *Delete*, and select **OK**.

## Set your availability

You can determine if other users can tell whether you are available or not. From the contacts list, highlight your name at the top of the menu, and select **Options** > *Mystatus* > *Available*, *Away*, or *Invisible*.

## Log off service

### Exit the IM application

From the contacts list, you can exit the IM application, but still be connected to the IM service. Select **Exit** to return to the main menu. If you open IM again, you do not need to log in again.

You can receive instant messages from your contacts when using your phone for other purposes, such as playing a game. If you are connected to your IM service, but you have not used your IM application for some time, you may be automatically disconnected from the IM service. The next time you open the IM application, you must log in again.

### Log out of IM


To disconnect from the IM service, you must log out. From the contacts list, select **Options** > *Sign off*, *Disconnect*, or *Sign out*, depending on your IM service provider, and select **OK**.

You are taken to the login screen of the IM service provider, where you can return to the IM service provider selection list, exit the IM application, or select an IM service and log in again.

## ■ Voice mail

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

To call your voice mailbox, select **Menu** > *Messaging* > *Voice mail* > *Listen to voice mails*. To enter, find, or edit your voice mailbox number, select *Voice mailbox no..*

If supported by the network,  indicates new voice mail. To call your voice mailbox number, select *Listen*.

## ■ Service commands

Write and send service requests (USSD commands) to your service provider, such as activation commands for network services. Select **Menu** > *Messaging* > *Serv. commands*.

## ■ Delete messages

To delete messages, select **Menu** > *Messaging* > *Delete messages* > *By message* to delete single messages, *By folder* to delete all messages from a folder, or *All messages*.

## ■ SIM messages

SIM messages are specific text messages that are saved to your SIM card. You can copy or move those messages to the phone memory, but not vice versa. To read SIM messages, select **Menu** > *Messaging* > *Options* > *SIM messages*.

## ■ Message settings

### General settings

General settings are common for text and multimedia messages.

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

*Save sent messages* > *Yes* – to set the phone to save the sent messages in the *Sent items* folder

*Overwriting in Sent* > *Allowed* – to set the phone to overwrite the old sent messages with the new ones when the message memory is full. This setting is shown only if you select *Save sent messages* > *Yes*.

*Font size* – to select the font size used in messages

*Default destination* – to define easily available message recipients or groups when sending messages

*Graphical smileys* > *Yes* – to set the phone to replace character-based smileys with graphical ones

## **Text messages**

The text message settings affect the sending, receiving, and viewing of text and SMS e-mail messages.

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

*Delivery reports* > *Yes* – to ask the network to send delivery reports about your messages (network service)

*Message centers* > *Add center* – to set the phone number and name of the message center that is required for sending text messages. You will receive this number from your service provider.

*Msg. center in use* – to select the message center in use

*E-mail msg. centers* > *Add center* – to set the phone numbers and name of the e-mail message center for sending SMS e-mail

*E-mail center in use* – to select the SMS e-mail message center in use

*Use packet data* > *Yes* – to set GPRS as the preferred SMS bearer

*Character support* > *Full* – to select all characters in the messages to be sent as viewed. If you select *Reduced*, characters with accents and other marks may be converted to other characters.

*Rep. via same center* > *Yes* – to allow the recipient of your message to send you a reply using your message center (network service)

## **Picture messages**

The message settings affect the sending, receiving, and viewing of picture messages. You may receive the configuration settings for picture messaging as a configuration message. See "Configuration settings service," p. 9. You can also enter the settings manually. See "Configuration," p. 52.

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

*Delivery reports* > *Yes* – to ask the network to send delivery reports about your messages (network service)

*Pic. msg. creat. mode* – to restrict or allow various types of multimedia to be added to messages

*Img. size (restricted)* or *Image size (free)* – to set the image size in picture messages

*Default slide timing* – to define the default time between slides in picture messages

*Allow p. msg receptn.* – to receive or block the picture message, select *Yes* or *No*. If you select *In home network*, you cannot receive picture messages when outside your home network. The default setting of the picture message service is generally *In home network*. The availability of this menu depends on your phone.

*Incoming pic. msgs.* – to decide how picture messages are retrieved. This setting is not shown if *Allow p. msg receptn.* is set to *No*.

*Allow ads* – to receive or reject advertisements. This setting is not shown if *Allow p. msg receptn.* is set to *No*, or *Incoming pic. msgs.* is set to *Reject*.


*Configuration sett. > Configuration* – only the configurations that support multimedia messaging are shown. Select a service provider or *Default* for multimedia messaging. Select *Account* and a MMS account contained in the active configuration settings.

## 10. Phonebook

---

You can save names and phone numbers (contacts) in the phone memory and in the SIM card memory.

The phone memory can save contacts with additional details, such as various phone numbers and text items. You can also save an image for a limited number of contacts.

The SIM card memory can save names with one phone number attached to them. The contacts saved in the SIM card memory are indicated by .

### ■ Find a contact


Select **Menu > Phonebook > Names**. Scroll through the list of contacts, or enter the first characters of the name you are trying to find.

### ■ Save names and phone numbers

Names and numbers are saved in the used memory. To save a name and phone number, select **Menu > Phonebook > Names > Options > Add new contact**.

## ■ Save details

In the phone memory you can save different types of phone numbers, a tone or a video clip, and short text items for a contact.

The first number you save is automatically set as the default number, and it is indicated with a frame around the number type indicator (for example, ). When you select a name from contacts (for example, to make a call), the default number is used unless you select another number.

Make sure that the memory in use is *Phone* or *Phone and SIM*. See "Settings," p. 40.

Find the contact to which you want to add a detail, and select **Details > Options > Add detail**. Select from the available options.

## ■ Copy or move contacts

You can move and copy contacts from the phone memory to the SIM card memory, or vice versa. The SIM card can save names with one phone number attached to them.

To move or copy contacts one by one, select **Menu > Phonebook > Names**. Scroll to the contact, and select **Options > Move contact** or **Copy contact**.

To move or copy multiple contacts, select **Menu > Phonebook > Names**. Scroll to a contact, and select **Options > Mark**. Mark the other contacts, and select **Options > Move marked** or **Copy marked**.

To move or copy all contacts, select **Menu > Phonebook > Move contacts** or **Copy contacts**.

## ■ Edit contact details

Find the contact, and select **Details**. To edit a name, number, or text item, or to change the image, select **Options > Edit**. To change the number type, scroll to the desired number, and select **Options > Change type**. To set the selected number as the default number, select **Set as default**.

## ■ Synchronize all

Synchronize your calendar, contacts data, and notes with a remote internet server (network service). For details see "Synchronize from a server," p. 49.

## ■ Delete contacts

To delete all the contacts and the details attached to them from the phone or SIM card memory, select **Menu > Phonebook > Del. all contacts > From phone memory** or **From SIM card**.

To delete a contact, find the desired contact, and select **Options > Delete contact**.

To delete a number, text item, or an image attached to the contact, find the contact, and select **Details**. Scroll to the desired detail, and select **Options > Delete** and from the available options.

## ■ Business cards

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

To send a business card, find the contact whose information you want to send, and select **Details > Options > Send business card**.

When you have received a business card, select **Show > Save** to save the business card in the phone memory. To discard the business card, select **Exit > Yes**.

## ■ Settings

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

*Memory in use* – to select the SIM card or phone memory for your contacts. Select *Phone and SIM* to recall names and numbers from both memories. In that case, when you save names and numbers, they are saved in the phone memory.

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

*Name display* – to select whether the contact's first or last name is displayed first

*Font size* – to set the font size for the list of contacts

*Memory status* – to view the free and used memory capacity

## ■ Groups

Select **Menu > Phonebook > Groups** to arrange the names and phone numbers saved in the memory into caller groups with different ringing tones and group images.

## ■ 1 touch-dialing

To assign a number to a 1-touch-dialing key, select **Menu > Phonebook > 1-touch dialing**, and scroll to the 1-touch-dialing number that you want.

Select **Assign**, or if a number has already been assigned to the key, select **Options > Change**. Select **Find** and the contact you want to assign. If the *1-touch dialing* function is not activated, the phone asks whether you want to activate it. See also *1-touch dialing* in "Call," p. 50.

To make a call using the 1-touch-dialing keys, see "1-touch dialing," p. 19.



# 11. Fun & Apps

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The *Fun & Apps* menu contains the *Gallery* and *Games & Apps* menus.

## ■ Gallery

In this menu you can manage images, video clips, music files, themes, graphics, tones, recordings, and received files. These files are stored in the phone memory or a microSD memory card (not included in sales pack) and may be arranged in folders.

Your phone supports an activation key system to protect acquired content. Always check the delivery terms of any content and activation key before acquiring them, as they may be subject to a fee.

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

To see the list of folders, select **Menu** > *Fun & Apps* > *Gallery*.

To see the available options of a folder, select a folder and **Options**.

To view the list of files in a folder, select a folder and **Open**.

To see the available options of a file, select a file and **Options**.

To view the folders of the memory card when moving a file, scroll to the memory card, and scroll right.

## Print images

XpressPrint

Your device supports Nokia XpressPrint. To connect it to a compatible printer, use a USB data cable or send the image using Bluetooth to a printer supporting Bluetooth technology. See "Connectivity," p. 46.

You can print images that are in the .jpg format. The images taken with the camera are automatically saved in the .jpg format.

Select the image you want to print and **Options** > *Print*.

## Memory card


You can use a microSD memory card to store your multimedia files such as video clips, music tracks, and sound files, images, and messaging data, and to back up information from phone memory.

Some of the folders in *Gallery* with content that the phone uses (for example, *Themes*), may be stored on a memory card.

To insert and remove a microSD memory card, see "Insert a microSD card," p. 12.

## Format the memory card

When a memory card is formatted, all data on the card is permanently lost. Some memory cards are supplied preformatted and others require formatting. Consult your retailer to find out if you must format the memory card before you can use it.

To format a memory card, select **Menu** > *Fun & Apps* > *Gallery or Games & Apps*, the memory card folder , and **Options** > *Format memory card* > **Yes**.

When formatting is complete, enter a name for the memory card.

## Lock the memory card

To set a password to lock your memory card to help prevent unauthorized use, select **Options** > *Set password*. The password can be up to eight characters long.

The password is stored in your phone, and you do not have to enter it again while you are using the memory card on the same phone. If you want to use the memory card on another phone, you are asked for the password. To delete the password, select **Options** > *Delete password*.

## Check memory consumption

To check the memory consumption of different data groups and the available memory for installing new applications or software on your memory card, select **Options** > *Details*.

## ■ Games & Apps

In the applications menu, you can manage applications and games. These files are stored in the phone memory or an attached microSD memory card and may be arranged in folders.

For options to format or lock and unlock the memory card, see "Memory card," p. 41.

## Launch a game

Your phone software includes some games.

Select **Menu** > *Fun & Apps* > *Games & Apps* > *Games*. Scroll to the desired game, and select **Open**.

To set sounds, lights, and shakes for the game, select **Menu** > *Fun & Apps* > *Games & Apps* > **Options** > *Application settings*. For more options, see "Application options," p. 43.

## Launch an application

Your phone software includes some Java applications.

Select **Menu** > *Fun & Apps* > *Games & Apps* > *Collection*. Scroll to an application, and select **Open**.

## Application options

To view application options, select **Menu** > *Fun Et Apps* > *Games Et Apps* > *Collection* > **Options**.

*Update version* – to check if a new version of the application is available for download from *t-zones* (network service)

*Web page* – to provide further information or additional data for the application from an internet page (network service), if available

*Application access* – to restrict the application from accessing the network

## Download an application

Your phone supports J2ME™ Java applications. Make sure that the application is compatible with your phone before downloading it.



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

You can download new Java applications and games in different ways.

Use the Nokia Application Installer from PC Suite to download the applications to your phone, or select **Menu** > *Fun Et Apps* > *Games Et Apps* > **Options** > *Downloads* > *App. downloads*; the list of available bookmarks is shown. See “Bookmarks,” p. 25.

For the availability of different services, pricing, and fees, contact your service provider.

Your device may have preinstalled bookmarks and links for third-party internet sites. You may also access other third-party sites through your device. Third-party sites are not affiliated with Nokia, and Nokia does not endorse or assume liability for them. If you choose to access such sites, you should take the precautions for security or content.

## 12. Help

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Use the *Help* menu to find information about your phone.

Select **Menu** > *Help* to browse help topics, enter a search, or view information about your account.

# 13. Settings

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## ■ Profiles

Your phone has various settings groups called profiles, for which you can customize the phone tones for different events and environments.

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

*Activate* – to activate the selected profile

*Customize* – to customize the profile. Select the setting you want to change, and make the changes.

*Timed* – to set the profile to be active until a certain time up to 24 hours, and set the end time. When the time set for the profile expires, the previous profile that was not timed becomes active.

## ■ Themes

A theme contains elements for personalizing your phone.

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

*Select theme* – to set a theme. A list of folders in *Gallery* opens. Open the *Themes* folder, and select a theme.

*Theme downloads* – to open a list of links to download more themes

## ■ 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. See *Customize* in "Profiles," p. 44.

To set the phone to ring only for calls from phone numbers that belong to a selected caller group, select *Alert for*. Scroll to the caller group you want or *All calls*, and select **Mark**.

Select **Options** > *Save* to save the settings or *Cancel* to leave the settings unchanged.

If you select the highest ringing tone level, the ringing tone reaches its highest level after a few seconds.

## ■ Main display

Select **Menu** > *Settings* > *Main display* and from the available options:

*Wallpaper* – to add the background image in the standby mode

*Active standby* – to switch the active standby mode on or off and to organize and customize the active standby mode

*Standby font color* – to select the color for the texts in the standby mode

*Navigation key icons* – to show or hide details such as contact information, in both missed call and message received notifications

*Notification details* – to display the icons of the current scroll key shortcuts in the standby mode when active standby is off

*Fold animation* – to set your phone to display an animation when you open and close the phone

*Font size* – to set the font size for messaging, contacts, and web pages

*Operator logo* – to set your phone to display or hide the operator logo

## ■ Mini display

Select **Menu** > *Settings* > *Mini display* and from the available options:

*Wallpaper* – to add the background image in the standby mode

*Screen saver* – to enable a screen saver that will be activated after a selected time, if there is no action in the phone

*Power saver* – enabling the power saver allows you to save some battery power

*Sleep mode* – enabling the sleep mode allows you to save some battery power

*Fold animation* – to set your phone to display an animation when you open and close the phone

## ■ Date and time

To change the time, time zone, and date settings, select **Menu** > *Settings* > *Date and time* > *Date and time settings*, *Date and time format*, or *Auto-update of time* (network service).

When traveling to a different time zone, select **Menu** > *Settings* > *Date and time* > *Date and time settings* > *Time zone* and the time zone of your location in terms of the time difference with respect to Greenwich Mean Time (GMT) or Universal Time Coordinated (UTC). The time and date are set according to the time zone and enable your phone to display the correct sending time of received text or picture messages. For example, GMT -5 denotes the time zone for New York (USA), 5 hours west of Greenwich/London (UK).

## ■ My shortcuts

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

## Left selection key

To select a function from the list, select **Menu** > *Settings* > *My shortcuts* > *Left selection key*.

To activate a function in the standby mode, if the left selection key is **Go to**, select **Go to** > **Options** and from the following options:

*Select options* – to add a function to the shortcut list or to remove one

*Organize* – to rearrange the functions on your personal shortcut list

## Right selection key

To select a function from the list, select **Menu** > *Settings* > *My shortcuts* > *Right selection key*.

## Navigation key


To assign other phone functions from a predefined list to the scroll key, select **Menu** > *Settings* > *My shortcuts* > *Navigation key*.

## Active standby key

To select a function from the list, select **Menu** > *Settings* > *My shortcuts* > *Active standby key*.

## Voice commands

To call contacts and carry out phone functions, say the voice commands. Voice commands are language-dependent. To set the language, see *Recognition lang.* in "Phone," p. 50.

To select the phone functions to activate with voice commands, select **Menu** > *Settings* > *My shortcuts* > *Voice commands* and a folder. Scroll to a function.  indicates that the voice tag is activated. To activate the voice tag, select **Add**. To play the activated voice command, select **Play**. To use voice commands, see "Enhanced voice dialing," p. 19.

To manage the voice commands, scroll to a phone function, and select from the following options:

*Edit or Remove* – to change or deactivate the voice command of the selected function

*Add all or Remove all* – to activate or deactivate voice commands to all functions in the voice commands list

## ■ Connectivity

You can connect the phone to a compatible device using a Bluetooth wireless technology or a USB data cable connection.

## Bluetooth wireless technology

This device is compliant with Bluetooth Specification 2.0 supporting the following profiles: SIM access, object push, file transfer, dial -up networking, headset, hands-free, service discovery application, generic access, serial port and generic object exchange. To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved enhancements for this model. Check with the manufacturers of other devices to determine their compatibility with this device.


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

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

Bluetooth technology allows you to connect the phone to a compatible Bluetooth device within 32 feet (10 meters). Since devices using Bluetooth technology communicate using radio waves, your phone and the other devices do not need to be in direct line of sight, although the connection can be subject to interference from obstructions such as walls or from other electronic devices.

## Set up a Bluetooth connection

Select **Menu** > *Settings* > *Connectivity* > *Bluetooth* and from the following options:

*Bluetooth* > *On* or *Off* – to activate or deactivate the Bluetooth function.  indicates that Bluetooth is activated. When activating Bluetooth technology for the first time, you are asked to give a name for the phone. Use a unique name that is easy for others to identify.

*My phone's visibility* or *My phone's name* – to define how your phone is shown to other Bluetooth devices

If you are concerned about security, turn off the Bluetooth function, or set *My phone's visibility* to *Hidden*. Always accept only Bluetooth communication from others with whom you agree.

*Search audio enhanc.* – to find compatible Bluetooth audio devices. Select the device that you want to connect to the phone.

*Active devices* – to check which Bluetooth connection is currently active

*Paired devices* – to find any Bluetooth device in range. Select **New** to list any Bluetooth device in range. Select a device and **Pair**. Enter an agreed Bluetooth passcode of the device (up to 16 characters) to associate (pair) the device to your phone. You must only give this passcode when you connect to the device for the first time. Your phone connects to the device, and you can start data transfer.

## Packet data connection (GPRS)

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 set the packet data connection to established when an application needs it. The connection will be closed when the application is ended.

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

## Modem settings

You can connect the phone using Bluetooth wireless technology or USB data cable connection to a compatible PC and use the phone as a modem to enable GPRS connectivity from the PC.

To define the settings for connections from your PC, select **Menu** > *Settings* > *Connectivity* > *Packet data* > *Packet data settings* > *Active access point*, and activate the access point you want to use. Select *Edit active access pt.* > *Packet data acc. pt.*, enter a name to change the access point settings, and select **OK**. Select *Packet data acc. pt.*, enter the access point name (APN) to establish a connection to a network, and select **OK**.

Establish an internet connection by using your phone as a modem. See "Nokia PC Suite," p. 62. If you have set the settings both on your PC and on your phone, the PC settings are used.

## Data transfer

Synchronize your calendar, contacts data, and notes with another compatible device (for example, a mobile phone), a compatible PC, or a remote internet server (network service).

Your phone allows data transfer with a compatible PC or another compatible device when using the phone without a SIM card.

### **Transfer contact list**

To copy or synchronize data from your phone, the name of the device and the settings must be in the list of transfer contacts. If you receive data from another device (for example, a compatible mobile phone), the corresponding transfer contact is automatically added to the list, using the contact data from the other device. *Server sync* and *PC synchronization* are the original items in the list.

To add a new transfer contact to the list (for example, a mobile phone), select **Menu** > *Settings* > *Connectivity* > *Data transfer* > **Options** > *Add transfer contact* > *Phone sync* or *Phone copy*, and enter the settings according to the transfer type.



To edit the copy and synchronize settings, select a contact from the transfer contact list and **Options > Edit**.

To delete a transfer contact, select it from the transfer contact list, and select **Options > Delete**.

## Data transfer with a compatible device

For synchronization use Bluetooth wireless technology or a cable connection. The other device must be activated for receiving data.

To start data transfer, select **Menu > Settings > Connectivity > Data transfer** and the transfer contact from the list, other than *Server sync* or *PC synchronization*. According to the settings, the selected data is copied or synchronized.

## Synchronize from a compatible PC

To synchronize data from calendar, notes, and contacts, install the Nokia PC Suite software for your phone on the PC. Use Bluetooth wireless technology or a USB data cable for the synchronization, and start the synchronization from the PC.

## Synchronize from a server

To use a remote internet server, subscribe to a synchronization service. For more information and the settings required for this service, contact your service provider. You may receive the settings as a configuration message. See "Configuration settings service," p. 9 and "Configuration," p. 52.

To start the synchronization from your phone, select **Menu > Settings > Connectivity > Data transfer > Server sync**. Depending on the settings, select *Initializing synchronization* or *Initializing copy*.

Synchronizing for the first time or after an interrupted synchronization may take up to 30 minutes to complete.

## USB data cable

You can use the USB data cable to transfer data between the phone and a compatible PC or a printer supporting PictBridge. You can also use the USB data cable with Nokia PC Suite.

To activate the phone for data transfer or image printing, connect the data cable. Confirm *USB data cable connected. Select mode.* and select from the following options:

*Nokia mode* – to use the phone to interact with applications on a PC that has Nokia PC Suite

*Music sync* – to sync your phone with the music files on your compatible PC

*Data storage* – to connect to a PC that does not have Nokia software and use the phone as a data storage

To change the USB mode, select **Menu > Settings > Connectivity > USB data cable > Nokia mode, Music sync, or Data storage.**

## ■ Call

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

*Call forwarding* – to forward your incoming calls (network service). You may not be able to forward your calls if some call restriction functions are active. See *Call restrictions* in "Security," p. 52.

*Anykey answer > On* – to answer an incoming call by briefly pressing any key, except the power key, the camera key, the left and right selection keys, or the end key

*Automatic redial > On* – to make a maximum of 10 attempts to connect the call after an unsuccessful call attempt

*Video-voice redial* – to select whether the phone automatically makes a voice call to the number to which a video call failed

*Voice clarity > Active* – to enhance speech intelligibility especially in noisy environments

*1-touch dialing > On* – to dial the names and phone numbers assigned to the 1-touch-dialing keys, **2 to 9**, by pressing and holding the corresponding number key

*Call waiting > Activate* – to have the network notify you of an incoming call while you have a call in progress (network service). See "Call waiting," p. 20.

*Summary after call > On* – to briefly display the approximate duration of the call after each call

*Send my caller ID > Yes* – to show your phone number to the person you are calling (network service). To use the setting agreed upon with your service provider, select *Set by network*.

*Answ. if fold opened > On* – to answer an incoming call by opening the fold

*Video sharing > On* – to share your live camera view with the call recipient during an ongoing voice call. To check availability and costs, and to subscribe to the service, contact your service provider.

## ■ Phone

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

*Language settings* – to set the display language of your phone, select *Phone language*.

*Automatic* selects the language according to the information on the SIM card. To select the USIM card language, select *SIM language*. To set a language for the voice playback, select *Recognition lang..* See "Enhanced voice dialing," p. 19 and *Voice commands* in "My shortcuts," p. 45.

*Memory status* – to view the amount of used and available phone memory

*Automatic keyguard* – to set the keypad of your phone to lock automatically after a preset time delay when the phone is in the standby mode and no function of the phone has been used. Select *On*, and set the time.

*Security keyguard* – to set the phone to ask for the security code when you unlock the keyguard. Enter the security code, and select *On*.

*Welcome note* – to write the note that is shown when the phone is switched on

*Phone updates* – to update your phone's software if there is an update available

*Network mode* – to select dual mode (UMTS or GSM). You cannot access this option during an active call

*Operator selection > Automatic* – to set the phone to automatically select one of the cellular networks available in your area. With *Manual* you can select a network that has a roaming agreement with your service provider.

*Help text activation* – to select whether the phone shows help texts

*Start-up tone > On* – the phone plays a tone when it is switched on

*Fold close handling* – to select if your phone should return to standby mode or, keep all applications open when the fold is closed

*Flight query > On* – the phone asks every time when it is switched on whether the flight profile shall be used. With the flight profile all radio connections are switched off. The flight profile should be used in areas sensitive to radio emissions.

## ■ Enhancements

This menu is shown only if the phone is or has been connected to a compatible mobile enhancement, other than the charger.


Select **Menu > Settings > Enhancements**. You can select an enhancement menu if the corresponding enhancement is or has been connected to the phone. Depending on the enhancement, select from one of the following options:

*Default profile* – to select the profile that you want to be automatically activated when you connect to the selected enhancement.

*Lights* – to set the lights permanently *On*. Select *Automatic* to set the lights on for 15 seconds after a keypress.

*TTY/TDD > Use TTY > Yes* – to use text phone settings instead of headset settings.

## Activate the hearing aid mode

Select **Hearing aid > T-coil hearing aid mode > On** to optimise the sound quality when using a t-coil hearing aid. The  icon is shown when the *T-coil hearing aid mode* is active.

If you make an emergency call to 911 while the phone is in the hearing aid mode, the phone will use as much power as it needs (up to the maximum available) to connect the call. More information on accessibility can be found at [www.nokiaaccessibility.com](http://www.nokiaaccessibility.com).

## ■ Configuration

You can configure your phone with settings that are required for certain services to function correctly. Your service provider may also send you these settings. See “Configuration settings service,” p. 9.

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

*Default config. sett.* — to view the service providers saved in the phone. To set the configuration settings of the service provider as default settings, select **Options** > *Set as default*.

*Activ. def. in all apps.* — to activate the default configuration settings for supported applications

*Preferred access pt.* — to view the saved access points. Scroll to an access point, and select **Options** > *Details* to view the name of the service provider, data bearer, and packet data access point or GSM dial-up number.

*Connect to support* — to download the configuration settings from your service provider

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

*Personal config. sett.* — to add new personal accounts for various services manually, and to activate or delete them. To add a new personal account if you have not added any, select **Add new**; otherwise, select **Options** > *Add new*. Select the service type, and select and enter each of the required parameters. The parameters differ according to the selected service type. To delete or activate a personal account, scroll to it, and select **Options** > *Delete* or *Activate*.

## ■ Security

When security features that restrict calls are in use (such as call restriction, closed user group, and fixed dialing), calls may be possible to the official emergency number programmed into your device.

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

*PIN code request* — to set the phone to ask for your PIN or UPIN code every time the phone is switched on. Some SIM cards do not allow the code request to be turned off.

*Call restrictions* — to restrict incoming calls to and outgoing calls from your phone (network service). A restriction password is required.

*Fixed dialing* – to restrict your outgoing calls to selected phone numbers if this function is supported by your SIM card. When the fixed dialing is on, GPRS connections are not possible except while sending text messages over a GPRS connection. In this case, the recipient's phone number and the message center number must be included in the fixed dialing list.

*Security level > Phone* – to set the phone to ask for the security code whenever a new SIM card is inserted into the phone. If you select *Memory*, the phone asks for the security code when the SIM card memory is selected, and you want to change the memory in use.

*Access codes* – to change the security code, PIN code, UPIN code, PIN2 code, or restriction password

*Code in use* – to select whether the PIN code or UPIN code should be active

*Authority certificates or User certificates* – to view the list of the authority or user certificates downloaded into your phone. See "Certificates," p. 28.

*Security module sett.* – to view *Secur. module details*, activate *Module PIN request*, or change the module PIN and signing PIN. See also "Access codes," p. 8.

## ■ Digital rights management

Digital rights management (DRM) is copyright protection, designed to prevent modification and to limit distribution of protected files. When you download protected files, such as sound, video, themes, or ringing tones to your phone, the files are free, but locked. You pay for the key to activate the file, and the activation key is automatically sent to your phone when you download the file.

To view the permissions for a protected file, scroll to the file, and select **Options > Activation keys**. For example, you can see how many times you can view a video or how many days you have left for listening to a song.

To extend the permissions for a file, select **Options** and the corresponding option for the file type, such as *Activate theme*. You can send certain types of protected files to your friends, and they can buy their own activation keys.

If your device has OMA DRM protected content, to back up both the activation keys and the content, use the backup feature of Nokia PC Suite. Other transfer methods may not transfer the activation keys which need to be restored with the content for you to be able to continue the use of OMA DRM protected content after the device memory is formatted. You may also need to restore the activation keys in case the files on your device get corrupted.

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

This phone supports OMA DRM 1.0 and 2.0.

## ■ Phone software updates

Your service provider may send phone software updates over the air directly to your device. This option may not be available, depending on your phone.



**Warning:** If you install a software update, you cannot use the device, even to make emergency calls, until the installation is completed and the device is restarted. Be sure to back up data before accepting installation of an update.

## Settings

To allow or disallow phone software updates, select **Menu > Settings > Configuration > Device manager sett. > Serv. softw. updates** and from the following options:

*Always allow* – to perform all software downloads and updates automatically

*Always reject* – to reject all software updates

*Confirm first* – to perform software downloads and updates only after your confirmation (default setting)

Depending on your settings, you are notified that a software update is available for download or has been downloaded and installed automatically.

## ■ Restore factory settings

To reset some of the menu settings to their original values, select **Menu > Settings > Rest. factory sett.** Enter the security code. The names and phone numbers saved in *Phonebook* are not deleted.

# 14. Media

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You can take photos or record live video clips with the builtin, 2-megapixel camera.

## ■ Camera

The camera produces pictures in .jpg format, and you can digitally zoom up to eight times.

## Take an image

Press the camera key or select **Menu > Media > Camera > Capture**. To take another photo, select **Back**. To send the photo as a picture message, select **Send**. The phone saves the photo in *Gallery > Images*.

## Take a self-portrait

Close the fold and press and hold the camera key. Use the mini display as a view finder. Press the camera key to take the photo. Open the phone to view the captured picture.

## Zoom

In camera or video mode use the volume keys to zoom in and out.

Your device supports an image capture resolution up to 1200x1600 pixels.

## Camera options

Select **Options** > *Night mode on* if the lighting is dim, *Self-timer on* to activate the self-timer, or *Img. sequence on* to take images in a fast sequence. With the highest image size setting three images are taken in a sequence; with other size settings, eight images are taken.

Select **Options** > *Settings* > *Image preview time* and a preview time to display the taken images on the display. During the preview time, select **Back** to take another image or **Send** to send the image as a picture message.

## Camera and video options

To use a filter, select **Options** > *Effects* > *Normal, Grayscale, Sepia, Negative*.

To change the camera and video settings, select **Options** > *Settings*.

## ■ Video

You can record video clips in .3gp format. Available recording time depends on the video clip length and quality settings.

The length and file size of the clips may vary depending on the selected quality and available memory.

To set the quality of your video clips, select **Menu** > *Media* > *Video* > **Options** > *Settings* > *Video clip quality* > *High, Normal, or Basic*.

To select the file size limit, select **Menu** > *Media* > *Video* > **Options** > *Settings* > *Video clip length*. *Default* means that the file size is limited so that it fits into a picture message (multimedia message size can vary among devices). *Maximum* means that all available memory is used. Available memory depends on where the video clip is stored.

## Record a video clip

Select **Menu** > *Media* > *Video* > **Record** or press and hold the camera key. To pause the recording, select *Pause*; to resume the recording, select *Continue*. To stop the recording, select **Stop**. The phone saves the recording in *Gallery* > *Video clips*.

To zoom in or out, press the volume key up or down, or scroll left and right.

## ■ Music player

Your phone includes a music player for listening to music tracks, recordings or other MP3, MP4, AAC, eAAC+, or Windows Media Player music files that you have transferred to the phone with the Nokia Audio Manager application, which is part of Nokia PC Suite. See "Nokia PC Suite," p. 62.

Music files stored in a folder in the phone memory or in a folder of a memory card will automatically be detected and added to the default track list.

Operate the music player with the music player keys on the front of the phone or with the scroll keys.

To open the music player, select **Menu** > *Media* > *Music player*.

To open the music player when the phone is folded, press **▶||**.

To open a list of all songs stored in your phone, select *All songs* > **Open**, or scroll right.

To create or manage playlists, select *Playlists* > **Open**, or scroll right.

To open folders with *Artists*, *Albums* or *Genres*, scroll to the one you want, and select **Expand**, or scroll right.

To open a video list stored in your phone, select *Videos* > **Open**, or scroll right.

## Playing the music tracks



**Warning:** Listen to music at a moderate level. Continuous exposure to high volume may damage your hearing.

Operate the music player with the music player keys on the front of the phone or with the scroll keys.

When you open the *Music player* menu, the details of the first track on the default track list are shown. To play, select **▶||**.

To adjust the volume level, use the volume keys on the side of the phone.

To pause the playing, select **▶||**.

To stop the playing, press and hold the end key.

To skip to the next track, select **▶▶|**. To skip to the beginning of the previous track, select **◀◀|**.



To rewind the current track, select and hold **⏮**. To fast forward the current track, select and hold **⏭**. Release the key at the position you want.

## Music player options

Select **Menu > Media > Music player > Go to Music player**. Select **Options** and from the following:

*Add to playlist* – to add the current track to the playlist

*Settings > Shuffle* – to play the tracks in random order or *Repeat* to play the current track or the entire track list repeatedly

*Downloads* – to connect to a browser service related to the current track. This function is only available when the address of the service is included in the track.

*Web page* – to access a web page associated with the currently played track. This option is dimmed if no web page is available.

*Play via Bluetooth* – to connect to an audio enhancement that uses Bluetooth wireless technology

## ■ Radio

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



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

Select **Menu > Media > Radio**.

To open the music player when the phone is folded, press the left or right selection key, and select *Radio*.

To use the graphical keys **▲**, **▼**, **◀**, or **▶** on the display, scroll left or right to the desired key, and select it.

## Save radio frequencies

1. To start the search, select and hold **◀** or **▶**. To change the radio frequency in 0.05 MHz steps, briefly press **◀** or **▶**.
2. To save a frequency to a memory location, 1 to 9, press and hold the corresponding number key. To save a frequency to a memory location from 10 to 20, press briefly 1 or 2, and press and hold the desired number key, 0 to 9.

3. Enter the name of the radio station.

## Listen to the radio

Select **Menu** > *Media* > *Radio*. To scroll to the desired frequency, select ▲ or ▼, or press the headset key. To select a radio station, briefly press the corresponding number keys. To adjust the volume, press the volume keys.

Select from the following options:

*Turn off* – to turn off the radio

*Save station* – to save a new station (shown if a new station is detected)

*Stations* – to select the list of saved stations. To delete or rename a station, scroll to the desired station, and select **Options** > *Delete station* or *Rename*. Select *Visual service ID* to enter a service ID given by the visual radio service provider (system service)

*Search all stations* – to find new radio stations

*Set frequency* – to enter the frequency of the desired radio station

*Settings* > *Loudspeaker* or *Headset* – to listen to the radio using the loudspeaker or headset

*Settings* > *Mono output* or *Stereo output* – to listen to the radio in monophonic sound or in stereo

When an application using a packet data or HSCSD connection is sending or receiving data, it may interfere with the radio.

## ■ Voice recorder

You can record pieces of speech, sound, or an active call, and save them in *Gallery*. This is useful when recording a name and phone number to write down later.

The recorder cannot be used when a data call or GPRS connection is active.

## Voice recorder

1. Select **Menu** > *Media* > *Voice recorder*.

To use the graphical keys ●, ■, or ■ on the display, scroll left or right to the desired key, and select it.

2. To start the recording, select ●. To start the recording during a call, select **Options** > *Record*. While recording a call, all parties to the call hear a faint beeping sound. When recording a call, hold the phone in the normal position near to your ear. To pause the recording, select ■.

3. To end the recording, select ■. The recording is saved in *Gallery* > *Recordings*.

To listen to the latest recording, select **Options** > *Play last recorded*.

To send the last recording, select **Options** > *Send last recorded*.

To see the list of recordings in *Gallery*, select **Options** > *Recordings list* > *Recordings*.

## ■ Equalizer

You can control the sound quality when using the music player by amplifying or diminishing frequency bands.

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

To activate a set, scroll to one of the equalizer sets, and select **Activate**.

To view, edit, or rename a selected set, select **Options** > *Edit* or *Rename*. Not all sets can be edited or renamed.

## ■ Stereo widening

This function can only be used if your Nokia mobile phone is connected to a compatible stereo headset.

To enhance the sound that is available in stereo with a wider stereo effect, select **Menu** > *Media* > *Stereo widening* > *On*.

# 15. Organizer

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## ■ Alarm clock

You can set the phone to alarm at a desired time. Select **Menu** > *Organizer* > *Alarm clock*.

To set the alarm, select *Alarm time*, and enter the alarm time. To change the alarm time when the alarm time is set, select *On*.

To set the phone to alert you on selected days of the week, select *Repeat* > *On*, then select *Repeat days* and mark the day or days of the week that you want to be alerted.

To select the alarm tone or set the radio as the alarm tone, select *Alarm tone*. If you select the radio as an alarm tone, connect the headset to the phone.

To set a snooze time-out, select *Snooze time-out* and the time.

### Stop the alarm

The phone sounds an alert tone even if the phone is switched off. To stop the alarm, select **Stop**. If you let the phone continue to sound the alarm for a minute or select **Snooze**, the alarm stops for the time you set in *Snooze time-out*, 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.

## ■ Calendar






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, and the beginning of the note is shown below the calendar. To view the day notes, select **View**. To view a week, select **Options** > *Week view*. To delete all notes in the calendar, select the month or week view, and select **Options** > *Delete all notes*.


To set the date, time, time zone, date or time format, date separator, default view, or the first day of the week, select *Settings*.

To set the phone to delete old notes automatically after a specified time, select *Auto-delete notes*.

## Make a calendar note

Select **Menu** > *Organizer* > *Calendar*. Scroll to the date, and select **Options** > *Make a note* and one of the following note types:  *Reminder*,  *Meeting*,  *Call*,  *Birthday*, or  *Memo*. Fill in the fields.

## Note alarm

The phone displays the note and, if set, sounds a tone. With a call note  on the display, to call the displayed number, press the call key. To stop the alarm and to view the note, select **View**. To stop the alarm for 10 minutes, select **Snooze**.

To stop the alarm without viewing the note, select **Exit**.

## ■ To-do list

To save a note for a task that you must do, select **Menu** > *Organizer* > *To-do list*.

To make a note if no note is added, select **Add**; otherwise, select **Options** > *Add*. Fill in the fields, and select **Save**.

To view a note, scroll to it, and select **View**. While viewing a note, you can select an option to edit the attributes. You can select an option to delete the selected note and delete all the notes that you have marked as done.

## ■ Notes

To write and send notes, select **Menu** > *Organizer* > *Notes*.

To make a note if no note is added, select **Add**; otherwise, select **Options** > *Make a note*. Write the note, and select **Save**.

## ■ Calculator

The calculator in your phone provides basic arithmetic and trigonometric functions; calculates the square, the square root, and the inverse of a number; 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. Scroll to the desired operation or function, or select it from **Options**. Enter the second number. Repeat this sequence as many times as it is necessary. To start a new calculation, first select and hold **Clear**.

## ■ Countdown timer

To start the countdown timer, select **Menu** > *Organizer* > *Countd. timer* > *Normal timer*, enter the alarm time, and write a note text that is displayed when the time expires. To start the countdown timer, select **Start**. To change the countdown time, select *Change time*. To stop the timer, select *Stop timer*.

To have an interval timer with up to 10 intervals started, first enter the intervals. Select **Menu** > *Organizer* > *Countd. timer* > *Interval timer*. To start the timer, select *Start timer* > **Start**.

To continue to next interval period automatically, select *Contin. to next period* > *Automatic* or, if you want to confirm each interval, select *Confirm first*.

## ■ Stopwatch

You can measure time, take intermediate times, or take lap times using the stopwatch. During timing, the other functions of the phone can be used. To set the stopwatch timing in the background, press the end key.

Using the stopwatch or allowing it to run in the background when using other features increases the demand on battery power and reduces the battery life.

Select **Menu** > *Organizer* > *Stopwatch* and from the following options:

*Split timing* – to take intermediate times. To start the time observation, select **Start**. Select **Split** every time that you want to take an intermediate time. To stop the time observation, select **Stop**.

To save the measured time, select **Save**.

To start the time observation again, select **Options > Start**. The new time is added to the previous time. To reset the time without saving it, select **Reset**.

*Lap timing* – to take lap times

*Continue* – to view the timing that you have set in the background

*Show last time* – to view the most recently measured time if the stopwatch is not reset

*View times or Delete times* – to view or delete the saved times

## 16. Operator menu

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This menu lets you access a portal to services provided by your service provider. The name and the icon depend on the operator. For more information contact your service provider. The operator can update this menu with a service message. For more information, see "t-zones inbox," p. 27.

## 17. SIM services

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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.

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

Accessing these services may involve sending messages or making a phone call for which you may be charged.

## 18. PC connectivity

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You can send and receive e-mail, and access the internet when your phone is connected to a compatible PC through a Bluetooth or a data cable connection. You can use your phone with a variety of PC connectivity and data communications applications.

### ■ Nokia PC Suite

With Nokia PC Suite you can synchronize contacts, calendar, notes, and to-do notes between your phone and the compatible PC or a remote internet server (network service).

You may find more information and PC Suite on the Nokia website at [www.nokiausa.com/support](http://www.nokiausa.com/support) or your local Nokia website.

## ■ Packet data, HSCSD, and CSD

With your phone you can use the packet data, high-speed circuit switched data (HSCSD), and circuit switched data (CSD, *GSM data*) data services. For availability and subscription to data services, contact your service provider. See "Modem settings," p. 48.

The use of HSCSD services consumes the phone battery faster than normal voice or data calls.

## ■ Bluetooth

Use the Bluetooth technology to connect your compatible laptop to the internet. Your phone must have activated a service provider that supports Internet access and your PC must support Bluetooth wireless technology. After connecting to the network access point (NAP) service of the phone and pairing with your PC your phone automatically opens a packet data connection to the internet. PC Suite software installation is not necessary when using the NAP service of the phone.

See "Bluetooth wireless technology," p. 47.

## ■ Data communication applications

For information on using a data communication application, refer to the documentation provided with it.

Making or answering phone calls during a computer connection is not recommended, as it might disrupt the operation.

For better performance during data calls, place the phone on a stationary surface with the keypad facing downward. Do not move the phone by holding it in your hand during a data call.

# 19. Enhancements

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To enhance phone functionality, a range of enhancements is available for you. Select any of these items to help accommodate your specific communication needs.



Check the model number of any charger before use with this device. This device is intended for use when supplied with power from an AC-3, AC-4, AC-5, or CA-70 charger. This device uses BL-5C batteries.



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

For availability of approved enhancements, please check with your dealer.

### 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.

## 20. Battery information

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### ■ Charging and discharging

Your device is powered by a rechargeable battery. The battery can be charged and discharged hundreds of times, but it will eventually wear out. When the talk and standby times are noticeably shorter than normal, replace the battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

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

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

If the battery is completely discharged, it may take several 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.

Do not dismantle or shred cells or batteries. In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. In the event of such a leak, flush your skin or eyes immediately with water, or seek medical help.

## ■ 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:

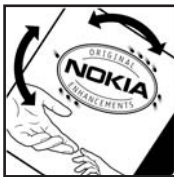
Successful completion of the four steps is not a total assurance of the authenticity of the battery. If you have any reason to believe that your battery is not an authentic, original Nokia battery, you should refrain from using it, and take it to the nearest authorized Nokia service point or dealer for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

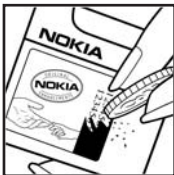
1. When looking at the hologram on the label, you should see the Nokia connecting hands symbol from one angle and the Nokia Original Enhancements logo when looking from another angle.



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



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



#### What if your battery is not authentic?

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

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

## Care and maintenance

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

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery, and allow the device to dry completely before replacing it.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.

- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use a soft, clean, dry cloth to clean any lenses, such as camera, proximity sensor, and light sensor lenses.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.
- Use chargers indoors.
- Always create a backup of data you want to keep, such as contacts and calendar notes.
- 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 enhancement. If any device is not working properly, take it to the nearest authorized service facility for service.



## Disposal

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that in the European Union all electrical and electronic products, batteries, and accumulators must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste.

Return the products to collection to prevent possible harm to the environment or human health from uncontrolled waste disposal and to promote the sustainable reuse of material resources. Collection information is available from the product retailer, local waste authorities, national producer responsibility organizations, or your local Nokia representative. For more information, see product Eco-Declaration or country-specific information at [www.nokiausa.com](http://www.nokiausa.com).

# Additional safety information

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## ■ Small children

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

## ■ Operating environment

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 1.5 centimeters (5/8 inch) away from the body. When a carry case, belt clip, or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body.

To transmit data files or messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a

connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

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

## ■ Medical devices

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

### Implanted medical devices

Manufacturers of medical devices recommend that a minimum separation of 15.3 centimeters (6 inches) should be maintained between a wireless device and an implanted medical device, such as a pacemaker or implanted cardioverter defibrillator, to avoid potential interference with the medical device. Persons who have such devices should:

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

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

### Hearing aids

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

## ■ Vehicles

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

Only qualified personnel should service the device or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the device. Check regularly that all wireless device equipment in your vehicle is mounted and operating properly. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or 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 depots, storage, and distribution areas; chemical plants; or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities and areas where the air contains chemicals or particles such as grain, dust, or metal powders. You should check with the manufacturers of vehicles using liquefied petroleum gas (such as propane or butane) to determine if this device can be safely used in their vicinity.

## ■ Emergency calls



**Important:** 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 profile mode, you may need to 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.

## ■ 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 for use of the device at the ear is 0.31 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.nokiausa.com](http://www.nokiausa.com).

Your mobile device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA) and Industry Canada. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear is 0.43 W/kg and when properly worn on the body is 0.60 W/kg. Information about this device model can be found at <http://www.fcc.gov/oet/fccid> by searching the equipment authorization system using FCC ID: QTKRM-207.

## ■ Hearing aid compatibility

Your mobile device model complies with FCC rules governing hearing aid compatibility. These rules require an M3 microphone or higher value. The M value, shown on the device box, refers to lower radio frequency (RF) emissions. A higher M value generally indicates that a device model has a lower RF emissions level, which may improve the likelihood that the device will operate with certain hearing aids. Some hearing aids are more immune than

others to interference. Please consult your hearing health professional to determine the M rating of your hearing aid and whether your hearing aid will work with this device. More information on accessibility can be found at [www.nokiaaccessibility.com](http://www.nokiaaccessibility.com).

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