# User Guide

DRAFT

Issue FCC Draft 7 July 2009

Cyan Magenta Yellow Black

DECLARATION OF CONFORMITY

CE0434 Hereby, NOKIA CORPORATION declares that this RM-497 product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the Declaration of Conformity can be found at www.nokia.com/phones/declaration_of_conformity/.

Cyan Magenta Yellow Black

DRAFT

# Contents

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Contents

# Safety

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

**SWITCH ON SAFELY**

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

**ROAD SAFETY COMES FIRST**

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

**INTERFERENCE**

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

**SWITCH OFF IN RESTRICTED AREAS**

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

**QUALIFIED SERVICE**

Only qualified personnel may install or repair this product.

**ACCESSORIES AND BATTERIES**

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

**WATER-RESISTANCE**

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

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# 1. Get started

Get to know your device, insert the battery, SIM card, and memory card, and learn some important information about your device.

## Keys and parts

| 1 | Earpiece |
|---|---|
| 2 | Display |
| 3 | Selection keys |
| 4 | Call key |
| 5 | Navi™ key; hereafter referred to as scroll key |
| 6 | Microphone |
| 7 | Middle selection key |
| 8 | End/Power key |
| 9 | Keypad |

| 10 | USB port |
|---|---|
| 11 | Charger connector |
| 12 | Secondary display |
| 13 | Wrist strap eyelet |
| 14 | 2-megapixel camera |
| 15 | Headset connector |

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

**Get started**
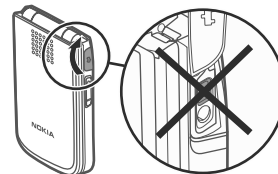
## Remove battery

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

1. With the back of the phone facing you, remove the back cover.
2. If the battery is inserted, remove the battery.

## Install SIM card

The SIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling, inserting, or removing the card.
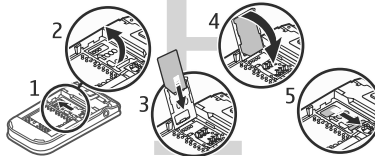
1. Remove the battery if inserted, and slide the SIM card holder to unlock.
2. Open the card holder.
3. Insert the SIM card into the holder with the contact surface facing down.
4. Close the card holder.
5. Slide the card holder to lock.

# Insert a memory card

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

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

**Insert a memory card**

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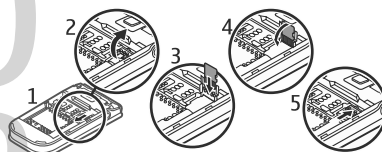
# Insert battery

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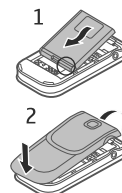
# Charge the battery

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

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

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

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

# GSM antenna

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

The figure shows the GSM antenna area marked in grey.

# Accessories
## Connect a USB cable
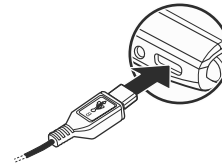
## Headset

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

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

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

## Strap
Thread the strap, and tighten it.
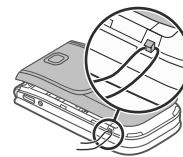
# Magnets and magnetic fields

Keep your device away from magnets or magnetic fields.

# 2. Switch it on

Learn how to switch on your device, and how to use the basic functions.

## About your device

The wireless device described in this guide is approved for use on the GSM 900, 1800, 850, 1900 MHz 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 protection may prevent some images, music, and other content from being copied, modified, or transferred.

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 precautions for security or content.

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

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

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

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

## Network services

To use the device you must have service from a wireless service provider. Some features are not available on all networks; other features may require that you make specific arrangements with your service provider to use them. Network services involve transmission of data. Check with your service provider for details about fees in your home network and when roaming on other networks. Your service provider can explain what charges will apply.

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

## Access codes

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

**Switch it on**

- The security code helps to protect your device against unauthorised use. The preset code is 12345. You can change the code and set the device to request the code. Some operations require the security code regardless of the settings, for example, if you want to restore the factory settings. Keep the code secret and in a safe place separate from your device. If you forget the code and your device is locked, your device will require service and additional charges may apply. For more information, contact a Nokia Care point or your device dealer.

- The PIN (UPIN) code, supplied with the SIM (USIM) card, helps to protect the card against unauthorised use.

- The PIN2 (UPIN2) code, supplied with some SIM (USIM) cards, is required to access certain services.

- PUK (UPUK) and PUK2 (UPUK2) codes may be supplied with the SIM (USIM) card. If you enter the PIN code incorrectly three times in succession, you are asked for the PUK code. If the codes are not supplied, contact your service provider.

- The barring password is required when using the call barring service to restrict calls to and from your device (network service).

- To view or change the security module settings for the browser, select **Menu** > **Settings** and **Security** > **Security module**.

## Switch the device on and off

**Switch on and off** — Press and hold the power key.

**Enter the PIN code** — If requested , enter the code PIN code (displayed as ****).

**Set the time and date** — If requested, enter the time and date.

When you switch on your device for the first time, you may be prompted to get the configuration settings from your service provider (network service). For more information, contact your service provider.

## Home screen

When the device is ready for use, and you have not entered any characters, the device is in the home screen.
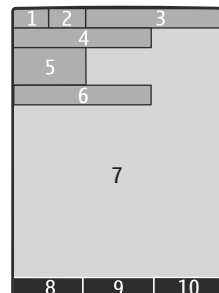
## Display



1 — Signal strength of the cellular network

2 — Battery charge status

3 — Indicators

4 — Name of the network or the operator logo

5 — Clock

6 — Date (only if the enhanced home screen is deactivated)

7 — Display

8 — Function of the left selection key

9 — Function of the scroll key

10 — Function of the right selection key

You can change the function of the left and right selection key. See " Left and right selection keys ", p. 18.

## Enhanced home screen

With the enhanced home screen, you can display a list of selected information and features that you can directly access.

Select **Menu** > **Settings** and **Display** > **Home screen**.

**Activate the enhanced home screen** — Select **Home screen mode** > **On**.

**Organise and personalise the enhanced home screen** — Select **Personalise view**.

**Select the key used to activate the enhanced home screen** — Select **Home screen key**.

**Navigate in the home screen** — Scroll up or down to navigate the list, and select **Select**, **View**, or **Edit**. The arrows indicate that further information is available.

**Stop navigating** — Select **Exit**.

**Switch it on**

## Shortcuts

When your device is in the home screen, you can use shortcuts.

**List missed, received, and dialled calls** — Press the call key. To make a call, scroll to the number or name, and press the call key.

**Open the web browser** — Press and hold **0**.

**Call the voice mailbox** — Press and hold **1**.

**Use other keys as shortcuts** — See "Dialling shortcuts", p. 23.

## Indicators

✉ You have unread messages.

⬆ You have unsent, cancelled, or failed messages.

⊸○ The keypad is locked.

✗ The device does not ring for incoming calls or text messages.

✦ An alarm is set.

G / E The device is registered to the GPRS or EGPRS network.

G̲ / E̲ A GPRS or EGPRS connection is open.

⬚ / ⬚ The GPRS or EGPRS connection is suspended (on hold).

✸ Bluetooth connectivity is activated.

↗ All incoming calls are diverted to another number.

⊤ Calls are limited to a closed user group.

⊙ The currently active profile is timed.

⌒ A headset is connected to the device.

⇄ The device is connected to another device, using a USB cable.

## Navigate the menus

The device offers a range of functions that are grouped into menus.

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

2. Scroll through the menu, and select an option (for example, **Settings**).

3. If the selected menu contains further submenus, select one (for example, **Call**).

4. Select the setting of your choice.

5. To return to the previous menu level, select **Back**.

   To exit the menu, select **Exit**.

**Change the menu view** — Select **Options** > **Main menu view**. Scroll right, and select from the available options.

**Rearrange the menu** — Select **Options** > **Organise**. Scroll to the menu item to be moved, and select **Move**. Scroll to where you want to move the menu item, and select **OK**. To save the change, select **Done** > **Yes**.

## Functions without a SIM card

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

## Applications running in background

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

## Flight profile

In radio sensitive environments, where you are asked not to use your device, you can still access your calendar, contacts list, and offline games by activating the flight profile.

 indicates that the flight profile is active.

**Activate the flight profile** — Select **Menu** > **Settings** > **Profiles** and **Flight** > **Activate** or **Personalise**.

**Deactivate the flight profile** — Select any other profile.

**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.

## Tapping

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

**Mute calls or alarms** — Double-tap the phone.

**Reject a call or snooze an alarm after muting it** — Double-tap the phone again.

**Display the clock** — Double-tap the phone.

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

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Make it your device

# 3. Make it your device

Set up your device, personalise it, and connect it in several ways.

## Basic settings

### Phone settings

Select **Menu** > **Settings** and **Phone**.

Select from the following:

- **Language settings** — To set the language of your device, select **Phone language** and a language. To set the language of your device according to the information on the SIM card, select **Phone language** > **Automatic**.
- **Touch music keys** — Activate the touch music keys..
- **Memory status** — View the memory consumption.
- **Automatic keyguard** — The keypad is locked automatically after a preset time delay when the device is in the standby or home screen and no function has been used.
- **Security keyguard** — Request the security code to unlock the keypad.
- **Voice recognition** — Set up voice commands, or start voice recognition training.
- **Flight query** — Set the device to prompt for the Flight profile when you switch the device on. In the Flight profile, all radio connections are closed.
- **Phone updates** — Allow software updates from your service provider (network service). The available options may vary.
- **Operator selection** — Manually select which network to use.
- **Help text activation** — Set the device to display help text.
- **Start-up tone** — Play a tone when you switch the device on.

## Security settings

Select **Menu** > **Settings** and **Security** .

When security features that restrict calls are in use (such as call barring, closed user group, and fixed dialling), calls may be possible to the official emergency number programmed into your device. Call barring and call diverting cannot be active at the same time.

- **PIN code request** or **UPIN code request** — Set the device to request for the PIN or UPIN code every time the device is switched on. Some SIM cards do not allow the code request to be deactivated.
- **Call barring service** — Restrict incoming calls to and outgoing calls from your device (network service). A barring password is required.
- **Fixed dialling** — Restrict your outgoing calls to selected phone numbers if supported by your SIM card. When fixed dialling is activated, 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 centre number must be included in the fixed dialling list.

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- **Closed user group** — Define a group of people whom you can call and who can call you (network service).
- **Security level** — To request the security code whenever a new SIM card is inserted into the device, select **Phone**.
- **Access codes** — Change the security code, PIN code, UPIN code, PIN2 code, or barring password.
- **PIN2 code request** — Select whether to request the PIN2 code when using a specific device feature protected by the PIN2 code. Some SIM cards do not allow the code request to be deactivated. This option may not be available depending on your SIM card. For details, contact your service provider.
- **Code in use** — Display and select the type of PIN code to be used.
- **Auth. certificates** or **User certificates** — View the list of the authority or user certificates available on your device.
- **Security module** — View Sec. module details, activate **Module PIN request**, or change the module PIN and signing PIN.

# Personalise your device

Give your device a personal touch with ringing tones, display backgrounds, and themes. Add shortcuts for your preferred features, and attach enhancements.

## Profiles

Your device has several profiles, which you can customise.

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

Select the desired profile and from the following:

- **Activate** — Activate the profile.
- **Personalise** — Modify profile settings.
- **Timed** — Set the profile to be active for a certain period of time. When the time set for the profile expires, the previous profile that was not timed becomes active.

## Themes

With themes, you can personalise your device.

Select **Menu** > **Settings** and **Themes**.

**Select a theme** — Select **Select theme** > **Themes** and a theme.

**Download more themes** — Select **Theme downloads**.

## Tones

You can modify the tone settings of the currently active profile.

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

**Make it your device**

## Display

Select **Menu** > **Settings** and **Display**.

Select from the following:

- **Wallpaper** — Add a background image to the home screen.
- **Home screen** — Activate, organise, and personalise the home screen.
- **Home scr. font col.** — Select the font colour for the home screen.
- **Navigat. key icons** — Display the scroll key icons in the home screen.
- **Notification details** — Display details in missed call and message notifications.
- **Main menu view** — Select the layout of the main menu.
- **Font size** — Set the font size for messaging, contacts, and web pages.
- **Operator logo** — Display the logo of the currently selected operator.
- **Cell info display** — Display the cell identity, if available from the network.

## My shortcuts

With personal shortcuts, you get quick access to frequently used functions of your device. Select **Menu** > **Settings** and **My shortcuts**.

### Left and right selection keys

To change the function assigned to the left or right selection key, select **Left selection key** or **Right selection key**, and the desired function.

In the home screen , if the left selection key is **Go to**, to add, remove, or reorganise functions, select **Go to** > **Options** > **Select options** or **Organise**.

### Other shortcuts

Select from the following:

- **Navigation key** — Assign other functions from a predefined list to the scroll key.
- **Home screen key** — Select the movement of the scroll key to activate the home screen.

## Assign dialling shortcuts

1. Select **Menu** > **Contacts** > **Speed dials**, and scroll to a number key.
2. Select **Assign**, or, if a number has already been assigned to the key, select **Options** > **Change**.
3. Enter a number or search for a contact.

## Voice commands

You can use voice commands to make phone calls, launch applications, and activate profiles. Voice commands are language-dependent.

Select **Menu** > **Settings** and **Phone**.

**Set the language** — Select **Language settings** > **Phone language** and the language.

**Train voice recognition to your voice** — Select **Voice recognition** > **Voice training**.

**Activate a voice command for a function** — Select **Menu** > **Settings** > **Phone** > **Voice recognition** > **Voice commands**, a feature, and the function. ⑤ indicates that the voice command is activated. If ⑤ is not displayed, select **Add**.

**Play an activated voice command** — Select **Play**.

**Use voice commands** — See "Voice dialling", p. 23.

**Rename or deactivate a voice command** — Scroll to a function, and select **Options** > **Edit** or **Remove**.

**Activate or deactivate all voice commands** — Select **Options** > **Add all** or **Remove all**.

# Connect

Your device provides several features to connect to other devices to transmit and receive data.

## Bluetooth wireless technology

With Bluetooth wireless technology, you can connect your device, using radio waves, to a compatible Bluetooth device within 10 metres (32 feet).

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

This device is compliant with Bluetooth Specification 2.1 + EDR supporting the following profiles: Advanced Audio Distribution Profile (A2DP) Audio Video Remote Control Profile (AVRCP) Device ID (DID) Dial-up Networking Profile (DUN) FileTransfer Profile (FTP) General Access Profile (GAP) Generic Audio/Video Distribution Profile (GAVDP) Generic Object Exchange Profile (GOEP) Handsfree Profile (HFP) Headset Profile (HSP) Object Push Profile (OPP) Phonebook Access Profile (PBAP) Serial Port Profile (SPP) Service Discovery Application Profile (SDAP) SIM Access Profile (SAP) SIM access, and serial port. To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved accessories for this model. Check with the manufacturers of other devices to determine their compatibility with this device.

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

### Set up a Bluetooth connection

1. Select **My phone's name**, and enter a name for your device.

2. To activate Bluetooth connectivity, select **Bluetooth** > **On**. ⑧ indicates that Bluetooth connectivity is active.

3. To connect your device to an audio accessory, select **Conn. to audio acc.** and the accessory.

**Make it your device**

4.  To pair your device with any Bluetooth device in range, select **Paired devices** > **Add new device**.

5.  Scroll to a found device, and select **Add**.

6.  Agree on a passcode (up to 16 characters) with the user of the other device and enter the passcode on your device. To establish the connection, enter the passcode on the other device, when requested.

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

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

## Packet data

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

Select **Menu** > **Settings** and **Connectivity** > **Packet data** > **Packet data conn.**.

Select from following:

*   **When needed** — Establish the packet data connection only when an application needs it. The connection is closed when the application is closed.
*   **Always online** — Automatically connect to a packet data network when you switch the device on.

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

## USB data cable

You can use the USB data cable to transfer data between your device and a compatible PC or a printer supporting PictBridge.

**Select USB mode**

To activate the device for data transfer or image printing, connect the USB data cable, and select from the following:

*   **PC Suite** — Use Nokia PC Suite on your PC.
*   **Printing & media** — Use your device with a PictBridge compatible printer or with a compatible PC.
*   **Data storage** — Connect to a PC that does not have Nokia software, and use your device as data storage

**Change USB mode** — Select **Menu** > **Settings** > **Connectivity** > **USB data cable** and the desired USB mode.

## Synchronisation and backup

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

● 
● **Create backup** — Create a backup of selected data.
● **Restore backup** — Select a stored backup file, and restore data to the device. Select **Options** > **Details** for information about the selected backup file.
● **Data transfer** — Synchronise or copy selected data between your device and another device, PC, or network server (network service).

## Connect a USB device

You can connect a USB storage device (for example, a memory stick) to your device and browse the file system and transfer files.

1. Connect a compatible adapter cable to the USB port of your device.

2. Connect the USB storage to the adapter cable.

3. Select **Menu** > **Gallery** and the USB device.

Not all USB storage devices are supported, depending on their power consumption.

# Network provider services

Your network provider provides several additional services you may want to use. For some of these services, charges may apply.

## Operator menu

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

## SIM services

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

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

## Info messages, SIM messages, and service commands

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

### Info messages

**View info messages** — Select **Info messages**. You can receive messages on various topics from your service provider (network service). For more information, contact your service provider.

### Service commands

**Send service commands** — Select **Serv. commands**. Service commands allow you to write and send service requests (USSD commands) to your service provider, such as activation commands for network services. For details, contact your service provider.

### SIM messages

**View SIM messages** — Select **Menu** > **Messaging** and **Options** > **SIM messages**. SIM messages are specific text messages that are saved to your SIM card. You can copy or move those messages from the SIM to the device memory, but not vice versa.

## Configuration settings

You can configure your device with settings that are required for certain services. You may receive these settings as a configuration message from your service provider.

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

Select **Configuration** and from the following:

- **Default config. sett.** — View the service providers saved in the device, and set a default service provider.
- **Act. def. in all apps.** — Activate the default configuration settings for supported applications.
- **Preferred access pt.** — View the saved access points.
- **Device mgr. settings** — Allow or prevent the device from receiving software updates. This option may not be available, depending on your device.
- **Personal settings** — Add manually new personal accounts for various services, and activate or delete them. To add a new personal account, select **Add** or **Options** > **Add new**. Select the service type, and enter the required parameters. To activate a personal account, scroll to the account, and select **Options** > **Activate**.

# 4. Stay in touch

Learn how to make calls, write text, send messages, and use the mail functionality of your device.

# Make calls

## Make a voice call

**Dial a number manually** — Enter the phone number, including the area code, and press the call key. 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.

**Redial a number** — To access the list of dialled numbers, in the home screen , press the call key. Select a number or name, and press the call key.

**Call a contact** — Select **Menu** > **Contacts** and **Names**. Select a contact, and press the call key.

## Handle voice calls

**Answer an incoming call** —

**End a call** —

**Mute the ringing tone** — Select **Silence**.

**Reject an incoming call** — Press the end key.

**Adjust the volume in a call** —

## Dialling shortcuts

1. Select **Menu** > **Contacts** > **Speed dials**, and scroll to a number key.
2. Select **Assign**, or, if a number has already been assigned to the key, select **Options** > **Change**.
3. Enter a number or search for a contact.
4. To activate one key dialling, select **Menu** > **Settings** and **Call** > **Speed dialling** > **On**

**Use a dialling shortcut** — Press a number key, then the call key.

**Use one key dialling** — Press and hold a number key.

## Voice dialling

Make a phone call by saying the name that is saved in Contacts.

As voice commands are language-dependent, before voice dialling, select **Menu** > **Settings** and **Phone** > **Language settings** > **Phone language**, and your language.

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

1. In the home screen, press and hold the right selection key. A short tone sounds, and **Speak after the tone** is displayed.
2. Say the name of the contact you want to dial. If the voice recognition is successful, a list of proposed matches is displayed. The device plays the voice command of the first match on the list. If it is not the correct command, scroll to another entry.

## Options during a call

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

**Activate options during a call** — Select **Options**.

**Stay in touch**

Some of the network options are **Hold**, **New call**, **Add to conference**, **End all calls**, and the following:

- **Send DTMF** — Send tone strings.
- **Swap** — Switch between the active call and the call on hold.
- **Transfer** — Connect a call on hold to an active call and disconnect yourself.
- **Conference** — Make a conference call.
- **Private call** — Start a private discussion in a conference call.

## Voice messages

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

**Call your voice mailbox** — Press and hold **1**.

**Edit your voice mailbox number** — Select **Menu** > **Messaging** > **More** > **Voice messages** and **Voice mailbox no.**.

## Call log

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

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

## Call settings

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

- **Call divert** — Divert your incoming calls (network service). You may not be able to divert your calls if some call barring functions are active.
- **Anykey answer** — Answer an incoming call by briefly pressing any key, except the power key, the left and right selection keys, or the end key.
- **Automatic redial** — The device redials the number automatically if a call fails. The device tries to call the number 10 times.
- **Voice clarity** — Improve speech intelligibility, especially in noisy environments.
- **Speed dialling** — Dial the names and phone numbers assigned to the number keys (2-9) by pressing and holding the corresponding number key.
- **Call waiting** — The network notifies you of an incoming call while you have a call in progress (network service).
- **Call dur. display** — Display the duration of the call in progress.
- **Summary after call** — Briefly display the approximate duration after each call.
- **Send my caller ID** — 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**.

# Text and messages

Write text, and create messages and notes.

## Write text

### Text input modes

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

Abc, abc, and ABC indicate the character cases. 123 indicates number mode.

**Switch between text input modes** — Press and hold **Options**. Not all languages are supported by predictive text input.

**Switch between character cases** — Press **#**.

**Switch between letter and number modes** — Press and hold **#**.

**Set the writing language** — Select **Options** > **Writing language**.

### Traditional text input

**Write a word** — Press a number key, 2-9, repeatedly until the desired character is displayed. The available characters depend on the selected writing language. If the next letter you want to enter is located on the same key as the present one, wait until the cursor is displayed, and enter the letter.

**Insert common punctuation marks** — Press **1** repeatedly.

**Insert special characters** — Press **\***, and select a character from the list.

**Insert a space** — Press **0**.

### Predictive text input

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

**Write a word** — Press number keys, 2-9. Press each key only once for one letter.

**Confirm a word** — Scroll right, or press **0** to add a space.

**Select the correct word** — If the proposed word is not correct, press **\*** repeatedly, and select the desired word from the list.

**Add a word to the dictionary** — 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**.

**Write a compound word** — Write the first part of the word, and scroll right to confirm it. Write the next part of the word, and confirm again.

**Stay in touch**

## Text and multimedia messages

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

### Text messages

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

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

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

1. To set the number manually, select **Menu** > **Messaging** and **More** > **Message settings** > **Text messages** > **Message centre**.
2. Enter the name and the number supplied by the service provider.

### Multimedia messages

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

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

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

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

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

### Create a message

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

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

   To attach an object to the message, select **Options** > **Insert object**. The message type changes automatically to multimedia message.
3. To add recipients, select **Send to** and a recipient.

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

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

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

**Read a message and reply**

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

**Display the message** — Select **View**.

**Create an answer message** — Select **Reply**.

**Several messages received** — Select **Menu** > **Messaging** and **Inbox**. Select a message and **Open**.

**Send and organise messages**

To send a message, select **Send**.

**Note:** The message sent icon or text on your device screen does not indicate that the message is received at the intended destination.

If message sending is interrupted, the device tries to resend the message a few times. If these attempts fail, the message is marked as failed in the Sent items folder.

The device saves received messages in the Inbox folder. Organise your messages in the Saved items folder.

To add, rename, or delete a folder, select **Menu** > **Messaging** and **More** > **Archive** > **Options**.

## Nokia Xpress audio messages

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

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

## Message settings

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

Select from the following:

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

**Image and video**

- **Text messages** — Allow delivery reports, set up message centres for SMS and SMS mail, select the type of character support, and set up other preferences related to text messages.
- **Multimedia msgs.** — Allow delivery reports, set up the appearance of multimedia messages, allow the reception of multimedia messages and advertisements, and set up other preferences related to multimedia messages.
- **Service messages** — Activate service messages, and set up preferences related to service messages.

# 5. Image and video

## Capture images

**Activate the camera** — Select **Menu** > **Applications** > **Camera**; or, if in video mode, scroll left or right.

**Zoom in or out** —

**Capture an image** — Select **Capture**. Images are saved in Gallery.

**Display images after capture** — Select **Options** > **Settings** > **Photo preview time** and the preview time.

**End the image preview manually** — Select **Back**.

Your device supports an image capture resolution of 2592x1944 pixels .

## Record video clips

**Activate video mode** — Select **Menu** > **Applications** and **Video recorder**, or, if in image mode, scroll left or right.

**Start recording** — Select **Record**.

**Pause or resume recording** — Select **Pause** or **Continue**.

**Stop recording** — Select **Stop**.

Video clips are saved in Gallery.

## Camera and video settings

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

In image or video mode, select **Options** and from the following:

- **Self-timer** — Use the self-timer.
- **Effects** — Apply different effects (for example, greyscale and false colour) to the captured image.
- **White balance** — Adapt the camera to the current light conditions.
- **Landscape format** or **Portrait format** — Select the orientation of the camera.
- **Settings** — Modify other camera and video settings, and select where to save images and video clips.

# Gallery

Manage images, video clips, music files, themes, graphics, tones, recordings, and received files. These files are stored in the phone memory or on a memory card and may be arranged in folders.

## Photos

View images and play video clips with the Photos application.

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

Select from the following:

- **All photos** — View images in a thumbnail grid. You can sort images by date, name, or size.
- **Timeline** — View images in the order they were captured.
- **Albums** — Sort images into albums. You can create, rename and remove albums. If you remove an album, the images inside the album are not deleted from the memory.

**Rotate an image** — Select **Options** > **Landscape mode** or **Portrait mode**.

### View a slide show

A slide show uses the images of the currently selected folder or album.

1. Select **All photos**, **Timeline**, or **Albums**.
2. Select **Options** > **Slide show**.
3. Select **Start slide show**.

### Edit images

You can, for example, rotate, flip, crop, and adjust the brightness, contrast, and colours of images.

1. Select an image in All photos, Timeline, or Albums.
2. Select **Options** > **Edit photo**.
3. Select an editing option, and use the scroll key to change the settings or values.

## Music and videos

Your device includes a media player for playing songs and video clips. Music and video files stored in the music folder in the device memory or on the memory card are automatically detected and added to the video or music library.

Select **Menu** > **Gallery** and **Music & videos**.

Select from the following:

- **Videos** — List all available video clips.
- **All songs** — List all available songs. You can sort songs by artist, album, or genre, for example.

Entertainment

## Manage folders and files

To manage folders and files in Gallery, select **Menu** > **Gallery**.

**View a list of folders** — Select **All content**.

**View a list of files in a folder** — Select a folder and **Open**.

**View the folders of the memory card when moving a file** — Scroll to the memory card, and scroll right.

## Print images

Your device supports Nokia XpressPrint, allowing you to print images in the JPEG file format.

1. Connect your device to a compatible printer, using a USB data cable, or, if supported by the printer, Bluetooth connectivity.
2. Select an image from Gallery and **Options** > **Print**.

## Memory card

Use a memory card to store your multimedia files, such as video clips, songs, sound files, images, and messaging data.

Select **Menu** > **Gallery** > **All content** > **Memory card**.

Some of the folders in Gallery that contain content used by your device (for example, Themes) can be stored on the memory card.

If your memory card has not been pre-formatted, you need to format it. When you format a memory card, all data on the card is permanently deleted.

**Format the memory card** — Select **Options** > **Mem. card options** > **Format memory card** > **Yes**. When formatting is complete, enter a name for the memory card.

**Protect the memory card with a password** — Select **Options** > **Mem. card options** > **Set password**. The password is stored in your device, so you only have to enter the password when attempting to use the memory card in another device.

**Remove the memory card password** — Select **Options** > **Mem. card options** > **Delete password**.

**Check the memory consumption** — Select **Options** > **Details**. The memory consumption of different data groups, and the amount of available memory to install new software, is displayed.

# 6. Entertainment

## Listen to music

Listen to music with the music player or radio, and record sounds or voice with the voice recorder. Download music from the internet, or transfer music from your PC.

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

## Media player

To open the media player, select **Menu** > **Media** > **Media player**.

### Music menu

Access your music and video files stored in the device memory or on the memory card, download music or video clips from the web, or view compatible video streams from a network server (network service).

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

**Play a media file** — Select a file from the available folders and **Play**.

**Download files from the web** — Select **Options** > **Downloads** and a download site.

**Update the music library after adding files** — Select **Options** > **Update library**.

### Create a playlist

1. Select **Playlists** > **Create playlist**, and enter the name of the playlist.

2. Add music or video clips from the displayed lists.

3. To store the playlist, select **Done**.

### Configure a streaming service

You may receive the streaming settings as a configuration message from the service provider. You can also enter the settings manually.

1. Select **Options** > **Downloads** > **Streaming settings** > **Configuration**.

2. Select a service provider, **Default**, or **Personal config.** for streaming.

3. Select **Account** and a streaming service account from the active configuration settings.

### Play songs

**Leave the media player playing in the background** — Press the end key.

**Stop the media player** — Press and hold the end key.

### Change the media player look

Your device provides several themes to change the look of the media player.

Select **Menu** > **Media** > **Media player** and **Go to Media pl.** > **Options** > **Settings** > **Media player theme** and the desired theme.

The virtual keys may change depending on the theme.

### Transfer music from a computer

You can transfer music to your device in the following ways:

- Use Nokia Music to transfer, rip, burn, and play new music on your PC and mobile device. Download the PC software from www.music.nokia.com/download.
- Connect your device to your PC using Bluetooth connectivity or a compatible USB data cable, and copy music files to the device memory. To use a USB data cable, select **Data storage** as the connection mode.
- Use Windows Media Player. Connect a compatible USB data cable, and select **Printing & media** as the connection mode.

### Voice recorder

Record speech, sound, or an active call, and save the recordings in Gallery.

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

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

To use the graphical keys ●, ▯▯, or ▪, scroll left or right.

**Start recording** — Select ●, or, during a call, select **Options** > **Record**. While recording a call, all parties to the call hear a faint beeping.

**Pause recording** — Select ▯▯.

**Stop recording** — Select ▪. The recording is saved in the Recordings folder in Gallery.

To play or send the last recording, to access the list of recordings, or to select the memory and the folder to store the recordings, select **Options** and the appropriate option.

### Equaliser

Adjust the sound when using the media player.

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

**Activate a predefined equaliser set** — Scroll to a set, and select **Activate**.

#### Create a new equaliser set

1. Select one of the last two sets in the list and **Options** > **Edit**.
2. Use the scroll key to adjust the sound controls.
3. To save the settings and enter a name for the set, select **Save** and **Options** > **Rename**.

## Web

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

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

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

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

Select **Menu** > **Internet**.

To set up the service, select **Web settings** > **Configuration sett.**, a configuration, and an account.

## Browse the web

Select **Menu** > **Internet**.

**Open the home page** — Select **Home**; or in the home screen, press and hold **0**.

**Select a bookmark** — Select **Bookmarks**.

**Enter a web address** — Select **Go to address**, enter the address, and select **OK**.

**Select the last visited web address** — Select **Last web addr.**.

**Search the web** — If you search for the first time, select a search provider. Then select**Search**, enter the search terms, and select **Search**.

**Change the search provider** — Select **Options** > **Change provider**.

After you connect to the service, you can start browsing its pages. The function of the device keys may vary in different services. Follow the instructions. For more information, contact your service provider.

## Browser settings

While browsing the web, select **Options** > **Settings** and from the following:

- **Display** — Select the font size, whether images are displayed, and how the text is displayed.
- **General** — Select the encoding type for the contents, whether web addresses are sent as Unicode (UTF-8), and whether JavaScript is enabled.

The available options may vary.

## 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.

A cookie is data that a site saves in the cache memory of your device. Cookies are saved until you clear the cache memory.

**Clear the cache** — While browsing, select **Options** > **Tools** > **Clear the cache**.

Entertainment

**Allow or prevent cookies** — Select **Menu** > **Internet** and **Web settings** > **Security** > **Cookies**.

## Browser security

Security features may be required for some services, such as banking services or online 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.

To view or modify the security module settings, or to view a list of authority or user certificates downloaded to your device, select **Menu** > **Settings** and **Security** > **Security module**, **Auth. certificates**, or **User 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.

# Games and applications

You can manage applications and games. Your device may have some games or applications installed. These files are stored in the device memory or an attached memory card and may be arranged in folders.

## Open an application

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

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

**Set sounds, lights, and shakes for a game** — Select **Options** > **Application settings**.

## Download an application

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

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**Maps**

⏎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 applications and games directly or using your PC.

**Download directly** — Select **Menu** > **Applications** and **Options** > **Downloads** > **App. downloads** or **Game downloads**; the list of available bookmarks is shown.

**Download using your PC** — Download applications and games to your PC and use PC Suite to install them on your device.

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

# 7. Maps

You can browse maps for different cities and countries, search for addresses and points of interest, plan routes from one location to another, save locations as landmarks, and send them to compatible devices.

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

⏎Note: Downloading content such as maps, satellite images, voice files, guides or traffic information may involve transmission of large amounts of data (network service).

Content such as satellite images, guides, weather and traffic information and related services are generated by third parties independent of Nokia. The content may be inaccurate and incomplete to some extent and is subject to availability. Never rely solely on the aforementioned content and related services.

Find detailed information about Maps on www.nokia.com/maps

To use the Maps application, select **Menu** > **Applications** > **Maps** and from the available options.

## Download maps

Your device may contain pre-installed maps on the memory card. You can download a new set of maps through the internet using the Nokia Map Loader PC software.

### Download and install Nokia Map Loader

1. To download the Nokia Map Loader on your PC and for further instructions, visit www.maps.nokia.com.
2. Select **Menu** > **Applications** > **Maps** to do an initial configuration.

**Download maps** — Before you download new maps for the first time, ensure that you have a memory card inserted in the device. To change the selection of maps on your memory card, use the Nokia Map Loader to delete all maps on the memory card and download a new selection, to ensure that all maps are from the same release.

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**Organise**

**Download maps automatically** —  Select **Menu** > **Applications** > **Maps** and **Settings** > **Network settings** > **Allow netw. usage** > **Yes** or **In home network**.

**Deactivate automatic download** —  Select **No**.

**Note:** Downloading content such as maps, satellite images, voice files, guides or traffic information may involve transmission of large amounts of data (network service).

## Maps and GPS

### Extra services

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

**Purchase a navigation service** —  Select **Menu** > **Applications** > **Maps** and **Extra services** > **Purchase navigation**, and follow the instructions.

To use navigation with voice guidance, you must allow the Maps application to use a network connection.

The navigation licence is connected to your SIM card. If you insert another SIM card in your device, you are asked to purchase a licence when starting navigation. During the purchase procedure, you are offered to transfer the existing navigation licence to the new SIM card without extra charge.

# 8.  Organise

Let your phone help you to organise your life.

## Manage contacts

Save names, phone numbers, and addresses as contacts in the device and on the SIM card.

Select **Menu** > **Contacts**.

### Select the memory to use for contacts

The device memory can save contacts with additional details, such as alternative phone numbers. You can also save an image, a tone, or a video clip 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 with ▣.

1. Select **More** > **Settings** > **Memory in use** to select the SIM card, the device memory, or both for your contacts.
2. Select **Phone and SIM** to recall contacts from both memories. When you save contacts, they are saved in the device memory.

## Handle contacts

**Search for a contact** —

**Save a name and phone number** — Select **Menu** > **Contacts** and **Add new**.

**Add and edit details** — Select **Names**, a contact, and **Details** > **Options** > **Add detail**.

**Delete a detail** — Select **Names**, a contact, and **Details**. Select a detail and **Options** > **Delete**.

**Delete a contact** — Select **Names**, a contact, and **Options** > **Delete contact**.

**Delete all contacts** — Select **More** > **Del. all contacts** > **From phone mem.** or **From SIM card**.

### Copy or move contacts between the device and SIM card memories

**Copy single contacts** — Select **Names** > **Options** > **More** > **Marking options** > **Mark**. Mark the contacts you want to copy or move, and select **Options** > **Copy marked** or **Move marked**.

**Copy all contacts** — Select **More** > **Copy contacts** or **Move contacts**.

### Create a contact group

Arrange contacts into caller groups with different ringing tones and group images.

1. Select **More** > **Groups**.
2. Select **Add** or **Options** > **Add new group** to create a new group.
3. Enter the group name, optionally select an image and a ringing tone, and select **Save**.
4. Select the group and **View** > **Add** to add contacts to the group.

# Business cards

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

Select **Menu** > **Contacts** and **Names**.

**Send a business card** — Select a contact, **Details** > **Options** > **Send business card**, and the sending type.

**Save a received business card** — Select **Show** > **Save**.

**Organise**

# Date and time

**Modify date and time settings** — Select **Menu** > **Settings** and **Date and time**.

**Change the time zone when travelling** — Select **Menu** > **Settings** and **Date and time** > **Date & time settings** > **Time zone:**, and scroll left or right to select the time zone of your location. The time and date are set according to the time zone and enable your device to display the correct sending time of received text or multimedia messages.

For example, GMT -5 denotes the time zone for New York (USA), 5 hours west of Greenwich, London (UK).

# Alarm clock

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

**Set the alarm**

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

**Stop the alarm**

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

# Calendar

Select **Menu** > **Calendar**.

The current day is framed. If there are any notes set for the day, the day is in bold type.

**Make a calendar note** — Scroll to the date, and select **Options** > **Make a note**. Select the note type, and fill in the fields.

**View the day notes** — Select **View**.

**View a week** — Select **Options** > **Week view**.

**Delete all notes in the calendar** — Select **Options** > **Delete notes** > **All notes**.

**Delete old notes automatically after a specified time** — Select **Options** > **Settings** > **Auto-delete notes**.

**Edit settings related to the date and time** — Select **Options** > **Settings**.

# To-do list

You can save a note for a task you must do.

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

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

**View a note** — Select a note and **View**.

## Notes

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

**Add a note** — If no note is added, select **Add**; otherwise, select **Options** > **Make a note**. Write the note, and select **Save**.

**Send a note** — Select **Options** > **Send note** and the sending type.

## Nokia PC Suite

With Nokia PC Suite, you can manage your music and synchronise contacts, calendar entries, notes, and to-do notes between your device and a compatible PC or a remote internet server (network service). For more information, and to download PC Suite, visit www.nokia.com/support.

## Calculator

Your device provides a standard, a scientific, and a loan calculator.

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

Select **Options** to select the calculator type or to view the operating instructions.

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

## Countdown timer

Select **Menu** > **Applications** > **Countd. timer**.

**Normal timer**

1. Select **Normal timer**, enter a time, and write a note that is displayed when the time expires.
2. Select **Start**.

**Interval timer**

To have an interval timer with up to 10 intervals started, do the following:

1. Select **Interval timer**.
2. Select **Start timer** > **Start**.

To select how the interval timer should start the next period, select **Settings** > **Cont. to next period**.

## Stopwatch

You can measure time, take intermediate times, or take lap times using the stopwatch.

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

- **Split timing** — Take intermediate times. To reset the time without saving it, select **Options** > **Reset**.
- **Lap timing** — Take lap times.
- **Continue** — View the timing that you have set to the background.
- **Show last** — View the most recently measured time if the stopwatch is not reset
- **View times** or **Delete times** — View or delete the saved times

To set the stopwatch timing to the background, press the end key.

# 9. Green tips

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

## Save energy

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

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

- Close and disable applications, services, and connections when not in use.

- Decrease the brightness of the screen.

- Set the device to enter the power saver mode after the minimum period of inactivity, if available in your device.

- Disable unnecessary sounds, such as keypad and ringing tones.

## Recycle

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

Recycle packaging and user guides at your local recycling scheme.

## Learn more

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

# Digital rights management

Content owners may use different types of digital rights management (DRM) technologies to protect their intellectual property, including copyrights. This device uses various types of DRM software to access DRM-protected content. With this device you can access content protected with 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 licence that defines your rights to use the content.

If your device has OMA DRM-protected content, to back up both the licence and the content, use the backup feature of Nokia Ovi Suite.

Other transfer methods may not transfer the licence 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 licence in case the files on your device get corrupted.

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

Some licence may be connected to a specific SIM card, and the protected content can be accessed only if the SIM card is inserted in the device.

# Third-party applications

The third-party applications provided with your device may have been created and may be owned by persons or entities not affiliated with or related to Nokia. Nokia does not own the copyrights or intellectual property rights to the third-party applications. As such, Nokia does not take any responsibility for end-user support, functionality of the applications, or the information in the applications or these materials. Nokia does not provide any warranty for the third-party applications.

BY USING THE APPLICATIONS YOU ACKNOWLEDGE THAT THE APPLICATIONS ARE PROVIDED AS IS WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. YOU FURTHER ACKNOWLEDGE THAT NEITHER NOKIA NOR ITS AFFILIATES MAKE ANY REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF TITLE, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR THAT THE APPLICATIONS WILL NOT INFRINGE ANY THIRD-PARTY PATENTS, COPYRIGHTS, TRADEMARKS, OR OTHER RIGHTS.

# Accessories

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

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

# Battery

## Battery and charger information

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

The battery can be charged and discharged hundreds of times, but it will eventually wear out. When the talk and standby times are noticeably shorter than normal, replace the battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device. Use of an unapproved battery or charger may present a risk of fire, explosion, leakage, or other hazard.

If a battery is being used for the first time or if the battery has not been used for a prolonged period, it may be necessary to connect the charger, then disconnect and reconnect it to begin charging the battery. If the battery is completely discharged, it may take several minutes before the charging indicator appears on the display or before any calls can be made.

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

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

Do not short-circuit 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.

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, cut, open, crush, bend, deform, puncture, 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.

Do not modify, remanufacture, attempt to insert foreign objects into the battery, or immerse or expose it to water or other liquids.

Improper battery use may result in a fire, explosion, or other hazard. If the device or battery is dropped, especially on a hard surface, and you believe the battery has been damaged, take it to a service centre for inspection before continuing to use it.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged. Keep your battery out of the reach of small children.

# Nokia battery authentication guidelines

Always use original Nokia batteries for your safety. To check that you are getting an original Nokia battery, purchase it from a Nokia authorised service centre or dealer, and inspect the hologram label using the following steps:

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

## Authenticate hologram

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

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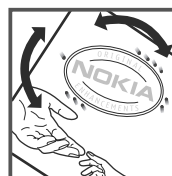
**Care and maintenance**

### What if your battery is not authentic?

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

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

# Care and maintenance

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

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

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

## Recycle

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

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

# Additional safety information

## Magnets and magnetic fields

Keep your device away from magnets or magnetic fields.

## Small children

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

## Operating environment

This device meets RF exposure guidelines in the normal use position at the ear or at least 1.5 centimetre (5/8 inch)away from the body. Any carry case, belt clip, or holder for body-worn operation should not contain metal and should position the device the above-stated distance from your body.

To send data files or messages requires a quality connection to the network. Data files or messages may be delayed until such a connection is available. Follow the separation distance instructions until the transmission is completed.

## 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.

**Additional safety information**

### Implanted medical devices

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

- Always keep the wireless device more than 15.3 centimetres (6 inches) from the medical device when the wireless device is turned on.

- Not carry the wireless device in a breast pocket.

- Hold the wireless device to the ear opposite the medical device to minimise the potential for interference.

- Turn the wireless device off immediately if there is any reason to suspect that interference is taking place.

- Read and follow the directions from the manufacturer of their implanted medical device.

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

### Hearing aids

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

## Vehicles

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

Only qualified personnel should service the device or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the device. Check regularly that all wireless device equipment in your vehicle is mounted and operating properly. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories. For vehicles equipped with an air bag, remember that air bags inflate 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.

**www.nokia.com/support**

# Potentially explosive environments

Switch off your device when in any area with a potentially explosive atmosphere, and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch off the device at refuelling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel depots, storage, and distribution areas; chemical plants; or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities and areas where the air contains chemicals or particles such as grain, dust, or metal powders. You should check with the manufacturers of vehicles using liquefied petroleum gas (such as propane or butane) to determine if this device can be safely used in their vicinity.

# Emergency calls

**Important:** This device operates using radio signals, wireless networks, landline networks, and user-programmed functions. If your device supports voice calls over the internet (internet calls), activate both the internet calls and the cellular phone. The device will attempt to make emergency calls over both the cellular networks and through your internet call provider if both are activated. Connections in all conditions cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.

To make an emergency call:

1.  If the device is not on, switch it on. Check for adequate signal strength. Depending on your device, you may also need to complete the following:
    - Insert a SIM card if your device uses one.
    - Remove certain call restrictions you have activated in your device.
    - Change your profile from offline or flight profile mode to an active profile.
2.  Press the end key as many times as needed to clear the display and ready the device for calls.
3.  Enter the official emergency number for your present location. Emergency numbers vary by location.
4.  Press the call key.

When making an emergency call, give all the necessary information as accurately as possible. Your wireless device may be the only means of communication at the scene of an accident. Do not end the call until given permission to do so.

# Certification information (SAR)

**This mobile device meets guidelines for exposure to radio waves.**

**Additional safety information**

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organisation ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit stated in the ICNIRP guidelines is 2.0 watts/kilogram (W/kg) averaged over 10 grams of tissue. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The actual SAR level of an operating device can be below the maximum value because the device is designed to use only the power required to reach the network. That amount changes depending on a number of factors such as how close you are to a network base station. The highest SAR value under the ICNIRP guidelines for use of the device at the ear is 0.59 W/kg.

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

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 0.64 W/kg and when properly worn on the body is 0.72 W/kg.

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