

# Nokia E72 User Guide

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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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# 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.



## ACCESSORIES

Use only approved accessories. Do not connect incompatible products.



## WATER-RESISTANCE

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


## About your device

The wireless device described in this guide is approved for use on the UMTS 900, 1900, and 2100 networks, and GSM 850, 900, 1800, and 1900 networks. Contact your service provider for more information about networks.

Your device supports several connectivity methods and like computers may be exposed to viruses and other harmful content. Exercise caution with messages, connectivity requests, browsing, and downloads. Only install and use services and software from trustworthy sources that offer adequate security and protection, such as applications that are Symbian Signed or have passed the Java Verified™ testing. Consider installing antivirus and other security software on your device and any connected computer.

Your device may have preinstalled bookmarks and links for third-party internet sites and may allow you to access third-party sites. These are not affiliated with Nokia, and Nokia does not endorse or assume liability

for them. If you access such sites, take precautions for security or content.

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

When using this device, obey all laws and respect local customs, privacy and legitimate rights of others, including copyrights. Copyright protection may prevent some images, music, and other content from being copied, modified, or transferred.

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

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

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

Refer to the user guide for other important information about your device.

## Network services

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

charges will apply. Some networks may have limitations that affect how you can use some features of this device requiring network support such as support for specific technologies like WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols and language-dependent characters.

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

### 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 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.

## Battery removing

Switch the device off and disconnect the charger before removing the battery.

# Find help

## Support

When you want to learn more about how to use your product or you are unsure how your device should function, go to [www.nokia.com/support](http://www.nokia.com/support), or using a mobile device, [www.nokia.mobi/support](http://www.nokia.mobi/support), or, in your device, select **Menu** > **Help** > **Help**.

If this does not resolve your issue, do one of the following:

- Restart the device: switch off the device, and remove the battery. After about a minute, replace the battery, and switch on the device.
- Restore the original factory settings.
- Update your device software.

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

## Update device software

### About software updates

Software updates may include new features and enhanced functions that were not available at the time of purchase of your device. Updating the software may also improve the device performance.

To get a notification when new software is available for your device, register with My Nokia, and subscribe to notifications for text or e-mail messages. For more information, go to [www.nokia.com/mynokia](http://www.nokia.com/mynokia).



**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.

After updating your device software or applications, the instructions related to the updated applications in the user guide or helps may no longer be up to date.

## Update software using your PC

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

To get more information and to download the Nokia Software Updater application, go to [www.nokia.com.hk/softwareupdate](http://www.nokia.com.hk/softwareupdate).



## In-device help ?

Your device contains instructions to help to use the applications in your device.

To open help texts from the main menu, select **Menu** > **Help** > **Help** and the application for which you want to read instructions.

When an application is open, to access the help text for the current view, select **Options** > **Help**.

When you are reading the instructions, to change the size of the help text, select **Options** > **Decrease font size** or **Increase font size**.

You may find links to related topics at the end of the help text. If you select an underlined word, a short explanation is displayed. Help texts use the following indicators:  Link to a related help topic.  Link to the application being discussed.

When you are reading the instructions, to switch between help texts and the application that is open in the background, select **Options** > **Show open apps**. and the desired application.

## Access codes

If you forget any of the access codes, contact your service provider.

- Personal identification number (PIN) code — This code protects your SIM card against unauthorised use. The PIN code (4 - 8 digits) is usually supplied with the SIM card. After three consecutive incorrect PIN code entries, the code is blocked, and you need the PUK code to unblock it.
- UPIN code — This code may be supplied with the USIM card. The USIM card is an enhanced version of the SIM card and is supported by 3G mobile phones.
- PIN2 code — This code (4 - 8 digits) is supplied with some SIM cards, and is required to access some functions in your device.
- Lock code (also known as security code) — The lock code helps you to protect your device against unauthorised use. The preset code is 12345. You can create and change the code, and set the device to request the code. Keep the new code secret and in a safe place separate from your device. If you forget the code and your device is locked, your device will require service. Additional charges may apply, and all the personal data in your device may be deleted. For more information, contact a Nokia Care point or your device dealer.
- Personal Unblocking Key (PUK) code and PUK2 code — These codes (8 digits) are required to

change a blocked PIN code or PIN2 code, respectively. If the codes are not supplied with the SIM card, contact the network service provider whose SIM card is in your device.

- UPUK code — This code (8 digits) is required to change a blocked UPIN code. If the code is not supplied with the USIM card, contact the network service provider whose USIM card is in your device.
- International Mobile Equipment Identity (IMEI) number — This number (15 or 17 digits) is used to identify valid devices on the GSM network. Devices that are, for example, stolen, can be blocked from accessing the network. The IMEI number for your device can be found under the battery.

## Prolong battery life

Many features in your device increase the demand on battery power and reduce the battery lifetime. To save battery power, note the following:

- Features that use Bluetooth technology, or allowing such features to run in the background while using other features, increase the demand on battery power. Deactivate Bluetooth technology when you do not need it.
- Features that use wireless LAN (WLAN), or allowing such features to run in the background while using other features, increase the demand on battery power. WLAN on your Nokia device deactivates when you are not trying to connect, not connected to an access point, or not scanning for available networks. To further reduce battery consumption, you can specify that your device does not scan, or

scans less often, for available networks in the background.

- If you have set **Packet data connection** to **When available** in connection settings, and there is no packet data coverage (GPRS), the device periodically tries to establish a packet data connection. To prolong the operating time of your device, select **Menu > Ctrl. panel > Settings and Connection > Packet data > Packet data connection > When needed**.
- The Maps application downloads new map information when you scroll to new areas on the map, which increases the demand on battery power. You can prevent the automatic download of new maps.
- If the signal strength of the cellular network varies much in your area, your device must scan for the available network repeatedly. This increases the demand on battery power.

If the network mode is set to dual mode in the network settings, the device searches for the 3G network. You can set the device to use only the GSM network. To use only the GSM network, select **Menu > Ctrl. panel > Settings and Phone > Network > Network mode > GSM**.

- The backlight of the display increases the demand on battery power. In the display settings, you can change the length of the time-out period after which the backlight is switched off. Select **Menu > Ctrl. panel > Settings and General > Personalisation > Display > Light time-out**. To adjust the light sensor that observes lighting

conditions and adjusts the display brightness, in the display settings, select **Light sensor**.

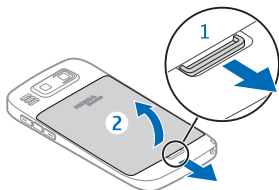
- To save power, activate the power save mode. Press the power key, and select **Activate power saving**. To deactivate it, press the power key, and select **Deactivate power saving**. You may not be able to change the settings of certain applications when the power save mode is activated.

# Get started

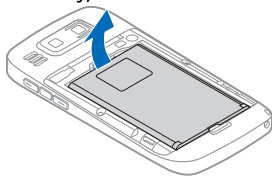
## Insert the SIM card and battery

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

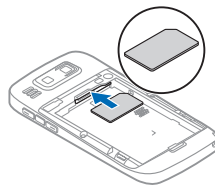
1. Remove the back cover.



2. Remove the battery, if inserted.



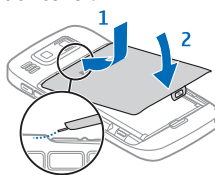
3. Pull out the SIM card holder, and insert the SIM card. Ensure that the contact area on the card is facing down and that the bevelled corner on the card is facing the bevelled corner on the holder. Push the SIM card holder back in.



4. Align the battery contacts with the battery compartment connectors, and insert the battery.



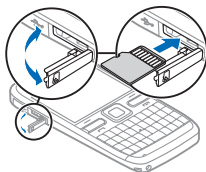
5. Replace the back cover.



# Insert the memory card

A memory card may already be inserted in the device. If not, do the following:

1. Insert a compatible memory card in the slot. Ensure that the contact area on the card is facing up and towards the slot.
2. Push the card in. You can hear a click when the card locks into place.



# Remove the memory card

**Important:** Do not remove the memory card during an operation when the card is being accessed. Doing so may damage the memory card and the device, and corrupt data stored on the card.

1. Before you remove the memory card, press the power key, and select **Remove memory card**. All applications are closed.
2. When **Removing memory card will close all open applications. Remove anyway?** is displayed, select **Yes**.

3. **Remove memory card and press 'OK'** is displayed.
4. Press the memory card to release it from the slot.
5. Pull out the memory card, and close the memory card slot cover. If the device is switched on, select **OK**.

# Antenna locations

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.



# Switch the device on and off

To switch on the device:

1. Press and hold the power key.

- If the device asks for a PIN code or lock code, enter it, and select **OK**. The preset lock code is **12345**. 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.

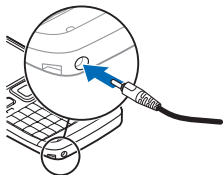


To switch off the device, press the power key briefly, and select **Switch off!**.

## Charge the battery

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

- Connect the charger to a wall outlet.
- Connect the charger plug to the device. In the case of USB charger, connect charger plug to your device's USB port.



- 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 with the USB data cable

Charging with the USB data cable is slower than charging with the charger. Charging with the USB data cable may not work if you use a USB hub. USB hubs may be incompatible for charging a USB device.

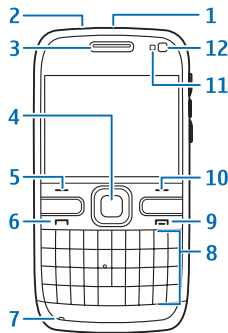
When the USB data cable is connected, you can transfer data at the same time as charging.

- Connect a compatible USB device to your device using a compatible USB data cable.

Depending on the type of the device that is used for charging, it may take a while for charging to start.

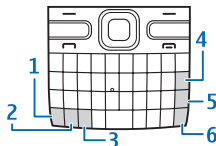
- If the device is switched on, select from the available USB modes.

## Keys and parts

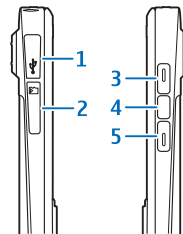


1 — Power key

- 2 — Headset connector
- 3 — Earpiece
- 4 — Optical Navi™ key (scroll key)
- 5 — Selection key
- 6 — Call key
- 7 — Microphone
- 8 — Keypad
- 9 — End key
- 10 — Selection key
- 11 — Light sensor
- 12 — Secondary camera



- 1 — Function key
- 2 — Shift key
- 3 — Sym key
- 4 — Backspace key
- 5 — Enter key
- 6 — Control key



- 1 — Micro USB connector
- 2 — Memory card slot
- 3 — Volume up key
- 4 — Voice key
- 5 — Volume down key

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

During extended operation such as an active video call and high speed data connection, the device may feel warm. In most cases, this condition is normal. If you suspect the device is not working properly, take it to the nearest authorised service facility.

## Headset

You can connect a compatible headset or compatible headphones to your device. You may need to select the cable mode.

To make handsfree phone calls, use a headset with a compatible remote control unit, or use the microphone on the device.



## Screen saver clock

When the screen saver of your device is activated (the display is black), press the scroll key to see the time and date.

## Write text

The input methods provided in the device may vary according to different sales markets.

### Write text with the keyboard

Your device has a full keyboard.

To insert punctuation marks, press the corresponding key or a combination of keys.

To switch between the different character cases, press the Shift key.

To insert digits or characters printed at the top of keys, press and hold the corresponding key, or press and hold the function key and press the corresponding key.

To erase a character, press the backspace key. To erase several characters, press and hold the backspace key.

To insert characters and symbols that are not shown on the keyboard, press the Sym key.

To copy text, press and hold the Shift key, and scroll to highlight the word, phrase, or line of text you want to copy. Press **Ctrl + C**. To insert the text into a document, move to the correct place, and press **Ctrl + V**.

To change the writing language, or to activate predictive text input, select **Options > Input options** and from the available options.

## Transfer content

You can use the Switch application to copy content such as phone numbers, addresses, calendar items, and images from your previous Nokia device to your device.

The type of content that can be transferred depends on the model of the device from which you want to transfer content. If that device supports synchronisation, you can also synchronise data between the devices. Your device notifies you if the other device is not compatible.

If the other device cannot be switched on without a SIM card, you can insert your SIM card in it. When your device is switched on without a SIM card, the Offline profile is automatically activated, and transfer can be done.

### Transfer content for the first time

1. To retrieve data from the other device for the first time, on your device, select **Menu > Ctrl. panel > Switch**.

2. Select the connection type you want to use to transfer the data. Both devices must support the selected connection type.
3. If you select Bluetooth connectivity as the connection type, connect the two devices. To have your device search for devices with Bluetooth connectivity, select **Continue**. Select the device from which you want to transfer content. You are asked to enter a code on your device. Enter a code (1-16 digits), and select **OK**. Enter the same code on the other device, and select **OK**. The devices are now paired.

Some earlier Nokia devices may not have the Switch application. In this case, the Switch application is sent to the other device as a message. To install the Switch application on the other device, open the message, and follow the instructions on the display.

4. On your device, select the content you want to transfer from the other device.

When the transfer has started, you can cancel it and continue later.

Content is transferred from the memory of the other device to the corresponding location in your device. The transfer time depends on the amount of data to be transferred.

## Nokia Ovi Suite

Nokia Ovi Suite is a set of applications that you can install to a compatible PC. Ovi Suite groups all available applications in a launcher window from which you can

open the applications. Ovi Suite may be included on a memory card, if provided with your device.

You can use Ovi Suite to synchronise contacts, calendar, and to-do and other notes between your device and a compatible PC application. You can also use Ovi Suite to transfer bookmarks between your device and compatible browsers, and transfer images and video clips between your device and compatible PCs.

Pay attention to synchronisation settings. Data deletion as part of normal synchronisation process is determined by the settings selected.

To use Ovi Suite, you need a PC that runs Microsoft Windows XP (SP2 or newer) or Windows Vista (SP1 or newer), and is compatible with a USB data cable or with Bluetooth connectivity.

Ovi Suite is not compatible with Apple Macintosh computers.

For further information on Ovi Suite, see the built-in help, or go to [www.nokia.com/support](http://www.nokia.com/support).

### Install Nokia Ovi Suite


1. Ensure the memory card is inserted in your Nokia E72.
2. Connect the USB cable. Your PC recognises the new device and installs the necessary drivers. This can take several minutes to complete.
3. Select **Mass storage** as the USB connection mode in your device. Your device is displayed in the Windows file browser as a Removable Disk.
4. Open the root of the memory card drive with the Windows file browser, and select the Ovi Suite installation file.

5. The installation is started. Follow the instructions.



**Tip:** To update Ovi Suite, or if you have problems when installing Ovi Suite from the memory card, copy the installation file to your PC, and install from your PC.

## Visit Ovi

 Ovi contains services provided by Nokia. With Ovi, you can create a mail account, share your images and video clips with friends and family, plan trips and view locations on a map, download games, applications, video clips, and tones to your device, and purchase music. The available services may vary by region, and not all languages are supported.

To access Ovi services, go to [www.ovi.com](http://www.ovi.com), and register your own Nokia account.

For more information on how to use the services, see the support pages of each service.

# Your Nokia E72

Your new Nokia Eseries device contains new versions of the Calendar, Contacts, and E-mail applications, as well as a new home screen.

## Key features

Your new Nokia E72 helps you manage your business and personal information. Some of the key features are highlighted here:



Read and reply to your e-mail while on the move.



Stay up-to-date and plan your meetings with the Calendar application.



Manage your business partners and free time friends with the Contacts application.



Connect to a wireless LAN (WLAN) with the WLAN wizard application.



Work with documents, spreadsheets, and presentations with the Quickoffice application.



Find points of interest with the Maps application.



Switch from business to personal mode.



Edit the appearance and setup of your home screen with the Modes application.



Browse your company intranet with the Intranet application.



Move your contact and calendar information from a previous device to your Nokia E72 with the Switch application.



Encrypt your device or memory card to prevent outsiders from accessing your important information.

## Home screen

### Home screen

In the home screen, you can quickly access your most frequently used applications, and view at a glance if you have missed calls or new messages.

Whenever you see the ► icon, scroll right to access a list of available actions. To close the list, scroll left.


The home screen consists of the following:

1. Application shortcuts. To access an application, select the shortcut of the application.



2. Information area. To check an item displayed in the information area, select the item.
3. Notification area. To view the notifications, scroll to a box. A box is only visible if there are items in it.

You can define two separate home screens for different purposes, for example, one screen to show your business e-mail and notifications, and another to show your personal e-mail. This way, you do not have to see business-related messages outside office hours.

To switch between the home screens, select .

To define which items and shortcuts you want in the home screen, and to set the appearance of the home screen, select **Menu** > **Ctrl. panel** and **Modes**.

## Work on the home screen

To search for contacts in the home screen, start entering the contact's name. Select the desired contact from the list of proposed matches. This feature may not be available in all languages.

To call the contact, press the call key.

To disable the contact search, select **Options** > **Contact search off**.

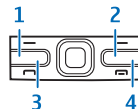
To check your received messages, select the message box in the notification area. To read a message, select the message. To access other tasks, scroll right.

To view your missed calls, select the calls box in the notification area. To return a call, select a call, and press the call key. To send a text message to a caller, select a call, scroll right, and select **Send message** from the list of available actions.

To listen to your voice mail, select the voice mail box in the notification area. Select the desired voice mailbox, and press the call key.

## One-touch keys

With the One-touch keys, you can access applications and tasks quickly. Each key has been assigned an application or a task. To change these, select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Personalisation** > **One-touch keys**. Your service provider may have assigned applications to the keys, in which case you cannot change them.



- 1 — Home key
- 2 — Contacts key
- 3 — Calendar key

## Home key

To access the home screen, press the home key briefly. Press the home key briefly again to access the menu.

To view the list of active applications, press the home key for a few seconds. When the list is open, press the home key briefly to scroll the list. To open the selected application, press the home key for a few seconds, or press the scroll key. To close the selected application, press the backspace key.

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

## Contacts key

To open the Contacts application, press the contacts key briefly.

To create a new contact, press the contacts key for a few seconds.

## Calendar key

To open the Calendar application, press the calendar key briefly.

To create a new meeting entry, press the calendar key for a few seconds.

## E-mail key

To open your default mailbox, press the e-mail key briefly.

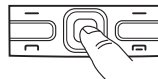
To create a new e-mail message, press the e-mail key for a few seconds.

## Optical Navi key

To browse and navigate web pages and maps, and to scroll through lists, slide your finger on the Optical Navi key (scroll key).

To scroll through a list, one item at a time, slide your finger slowly on the scroll key. To scroll through a list, many items at a time, or to move around on the display, slide your finger quickly on the scroll key.

**Capture images** — To autofocus in camera, hold your finger on the scroll key. To capture an image, press the scroll key.



**Optical Navi key settings** — To activate or deactivate the Optical Navi key or modify other settings, select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Personalisation** > **Optical Navi key**.

# Turn to silence calls or alarms

When you have activated the sensors in your device, you can silence incoming calls or snooze alarms by turning the device face down.

To define the turning options, select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Sensors** > **Turning control**.

## Calendar

### About Calendar

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

With calendar, you can create and view scheduled events and appointments, and switch between different calendar views.

In the month view, calendar entries are marked with a triangle. Anniversary entries are also marked with an exclamation mark. The entries of the selected day are displayed as a list.

To open calendar entries, select a calendar view and an entry.

Whenever you see the ► icon, scroll right to access a list of available actions. To close the list, scroll left.

## Create calendar entries

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

You can create the following types of calendar entries:

- Meeting entries remind you of events that have a specific date and time.
- Meeting requests are invitations that you can send to the participants. Before you can create meeting requests you must have a compatible mailbox configured to your device.
- Memo entries are related to the whole day but not to a specific time of the day.
- Anniversary entries remind you of birthdays and special dates. They refer to a certain day but not a specific time of the day. Anniversary entries are repeated every year.
- To-do entries remind you of a task that has a due date but not a specific time of the day.

To create a calendar entry, select a date, **Options** > **New entry**, and the entry type.

To set the priority for meeting entries, select **Options** > **Priority**.

To define how the entry is handled during synchronisation, select **Private** to hide the entry from viewers if the calendar is available online, **Public** to make the entry visible to viewers, or **None** to not copy the entry to your computer.

To send the entry to a compatible device, select **Options** > **Send**.

To make a meeting request of a meeting entry, select **Options** > **Add participants**.

## Create meeting requests

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

Before you can create meeting requests, you must have a compatible mailbox configured for your device.

To create a meeting entry:

1. To create a meeting entry, select a day and **Options** > **New entry** > **Meeting request**.
2. Enter the names of the required participants. To add names from your contacts list, enter the first few characters, and select from the proposed matches. To add optional participants, select **Options** > **Add optional participants**.
3. Enter the subject.
4. Enter the start and end times and dates, or select **All-day event**.
5. Enter the location.
6. Set an alarm for the entry, if needed.
7. For a recurring meeting, set the recurrence time, and enter the end date.
8. Enter a description.

To set the priority for the meeting request, select **Options** > **Priority**.

To send the meeting request, select **Options** > **Send**.

## Calendar views

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

You can switch between the following views:

- Month view shows the current month and the calendar entries of the selected day in a list.
- Week view shows the events for the selected week in seven day boxes.
- Day view shows the events for the selected day grouped into time slots according to their starting time.
- To-do view shows all to-do items.
- Agenda view shows the events for the selected day in a list.

To change the view, select **Options** > **Change view** and the desired view.



**Tip:** To open the week view, select the week number.

To move to the next or the previous day in month, week, day, and agenda view, select the desired day.

To change the default view, select **Options** > **Settings** > **Default view**.

## Lunar calendar

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

To use the Lunar calendar function, the device language must be set to Chinese.

To view detailed Lunar calendar information of the currently highlighted date, select **Options** > **View lunar data**, and turn the Lunar calendar on.

When you go back to the calendar views, Lunar information is displayed in the control bar. To view more detailed Lunar information in a pop-up window,

select **Options** > **View lunar data**. This option is displayed only when the Lunar calendar is turned on.

# Contacts

## About Contacts

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

With Contacts, you can save and update contact information, such as phone numbers, home addresses, and e-mail addresses of your contacts. You can add a personal ringing tone or a thumbnail image to a contact. You can also create contact groups, which allow you to communicate with several contacts at the same time, and send contact information to compatible devices.

Whenever you see the ► icon, scroll right to access a list of available actions. To close the list, scroll left.

## Work with contacts

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

To create a contact, select **Options** > **New contact**, and enter the details of the contact.

To copy contacts from the memory card, if available, select **Options** > **Create backup** > **Memory card to phone**.

To search for contacts, start entering the contact's name in the search field.

## Create contact groups

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

1. To create a contact group, scroll to each contact you want to add to the group, and select **Options** > **Mark/Unmark** > **Mark**.
2. Select **Options** > **Group** > **Add to group** > **Create new group**, and enter a name for the group.

If you want to make conference calls to the group using a conference service, define the following:

- **Conf. service number** — Enter the conference call service number.
- **Conf. service ID** — Enter the conference call ID.
- **Conf. service PIN** — Enter the conference call PIN code.

To make a conference call to the group using the conference service, select the group, scroll right, and select **Call conf. service**.

## Search for contacts in a remote database

To activate remote contact search, select **Options** > **Settings** > **Contacts** > **Remote search server**. You must define a remote server before you can do remote contact searches.

To search for contacts in a remote database, select **Contacts** > **Options** > **Search from remote**. Enter the name of the contact you want to search for, and select **Search**. The device establishes a data connection to the remote database.

To search for contacts in the home screen, start entering characters in the home screen, and select the database from the proposed matches.

To change the remote contacts database, select **Options** > **Settings** > **Contacts** > **Remote search server**. This setting affects the database used in the Contacts and Calendar applications and the home screen, but not the database that is used for e-mail.

## Add ringing tones for contacts

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

To add a ringing tone for a contact, select the contact, **Options** > **Ringing tone**, and a ringing tone. The ringing tone sounds when the contact calls you.

To add a ringing tone for a contact group, select the contact group, **Options** > **Group** > **Ringing tone**, and a ringing tone.

To remove the ringing tone, select **Default tone** from the list of ringing tones.

## Contacts settings

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

To modify the settings of the Contacts application, select **Options** > **Settings** > **Contacts** and from the following:

- **Contacts to display** — Show contacts that are stored in the device memory, on the SIM card, or both.

- **Default saving memory** — Select where to save contacts.
- **Default contact list** — Select which contacts list opens when you open the Contacts application. This setting is only available when there is more than one contacts list.
- **Remote search server** — Change the remote contacts database. This option is available only if remote contacts databases are supported by your service provider.

## Multitasking

You can have several applications open at the same time. To switch between active applications, press and hold the home key, scroll to an application, and press the scroll key. To close the selected application, press the backspace key.



**Example:** When you have an active phone call and want to check your calendar, press the home key to access the menu, and open the Calendar application. The phone call remains active in the background.



**Example:** When you are writing a message and want to check a web site, press the home key to access the menu, and open the Web application. Select a bookmark or enter the web address manually, and select **Go to**. To return to your message, press and hold the home key, scroll to the message and press the scroll key.

# Flashlight

The camera flash can be used as a flashlight. To switch the flashlight on or off, in the home screen, press and hold the space bar.

Do not point the flashlight at anyone's eye.

# Make calls

For more information on different call types, options during calls, speed dialling, voice dialling, call waiting, video sharing, and log, see the extended user guide on the product support pages of the Nokia website.

## Voice calls

1. In the home screen, enter the phone number, including the area code. To remove a number, press the backspace key.

For international calls, press + (+ replaces the international access code), and enter the country code, area code (omit the leading zero if necessary), and phone number.

2. To make the call, press the call key.
3. To end the call (or to cancel the call attempt), press the end key.

Pressing the end key always ends a call, even if another application is active.

To make a call from the contacts list, select **Menu** > **Contacts**. Scroll to the desired name, or enter the first letters or characters of the name to the search field. To call the contact, press the call key. If you have saved several numbers for a contact, select the desired number from the list, and press the call key.


## Make a video call


When you make a video call (network service), you can see a real-time, two-way video between you and the recipient of the call. The live video image, or video image captured by the camera in your device is shown to the video call recipient.

To be able to make a video call, you must have a USIM card and be in the coverage of a UMTS network. For availability of and subscription to video call services, contact your network service provider.

A video call can only be made between two parties. The video call can be made to a compatible mobile device or an ISDN client. Video calls cannot be made while another voice, video, or data call is active.

### Icons

 You are not receiving video (the recipient is not sending video or the network is not transmitting it).

 You have denied video sending from your device. To send a still image instead, select **Menu** > **Ctrl. panel** > **Settings** and **Phone** > **Call** > **Image in video call**.

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

1. To start a video call, enter the phone number in the standby mode, or select **Contacts** and a contact.

2. Select **Options** > **Call** > **Video call**.
3. To end the video call, press the end key.

Select **Menu** > **Messaging**.

In Messaging (network service), you can send and receive text messages, multimedia messages, audio messages, and e-mail messages. You can also receive web service messages, cell broadcast messages, and special messages containing data, and send service commands.

Before sending or receiving messages, you may need to do the following:

- Insert a valid SIM card in the device and be located in the service area of a cellular network.
- Verify that the network supports the messaging features you want to use and that they are activated on your SIM card.
- Define the internet access point settings on the device.
- Define the e-mail account settings on the device.
- Define the text message settings on the device.
- Define the multimedia message settings on the device.

The device may recognise the SIM card provider and automatically configure some of the message settings. If not, you may need to define the settings manually; or contact your service provider to configure the settings.

## Nokia Messaging

The Nokia Messaging service automatically pushes e-mail from your existing e-mail address to your Nokia E72. You can read, respond to, and organise your e-mails on the go. The Nokia Messaging service works with a number of internet e-mail providers that are often used for personal e-mail, such as Google e-mail services.

The Nokia Messaging service must be supported by your network and may not be available in all regions.

### Install the Nokia Messaging application

1. Select **Menu** > **Email** > **New mailb..**
2. Read the information on the display, and select **Start**.
3. Select **Connect** to allow your device to access the network.
4. Enter your e-mail address and password.

The Nokia Messaging service can run on your device even if you have installed other e-mail applications, such as Mail for Exchange.

# E-mail

## Set up your e-mail

With the Nokia e-mail wizard, you can set up your corporate e-mail account, such as Mail for Exchange, and your internet e-mail account.

When setting up your corporate e-mail, you may be prompted for the name of the server associated with your e-mail address. Ask your company IT department for details.

1. To start the wizard, go to the home screen, scroll to the e-mail wizard, and press the scroll key.
2. Enter your e-mail address and password. If the wizard is not able to configure your e-mail settings automatically, you need to select your e-mail account type and enter the related account settings.

If your device contains any additional e-mail clients, those are offered to you when you start the e-mail wizard.

## Send e-mail

Select **Menu** > **Messaging**.

1. Select your mailbox and **Options** > **Create email**.
2. In the To field, enter the recipient's e-mail address. If the recipient's e-mail address can be found in Contacts, start entering the recipient's name, and select the recipient from the proposed matches. If you add several recipients, insert ; to separate the e-mail addresses. Use the Cc field to send a copy to

other recipients, or the Bcc field to send a blind copy to recipients. If the Bcc field is not visible, select **Options** > **More** > **Show Bcc field**.

3. In the Subject field, enter the subject of the e-mail.
4. Enter your message in the text area.
5. Select **Options** and from the following:
  - **Add attachment** — Add an attachment to the message.
  - **Priority** — Set the priority of the message.
  - **Flag** — Flag the message for follow-up.
  - **Insert template** — Insert text from a template.
  - **Add recipient** — Add recipients to the message from Contacts.
  - **Editing options** — Cut, copy, or paste the selected text.
  - **Input options** — Activate or deactivate predictive text input, or select the writing language.
6. Select **Options** > **Send**.

## Read e-mail

Select **Menu** > **Messaging**.



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


To read a received e-mail message, select the mailbox, and select the message from the list.

To reply to the message sender, select **Options** > **Reply**. To reply to the sender and all other recipients, select **Options** > **Reply to all**.

To forward the message, select **Options** > **Forward**.

## Write and send messages

Select **Menu** > **Messaging**.

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


Before you can create a multimedia message or write an e-mail, you must have the correct connection settings in place.


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.

Check the size limit of e-mail messages with your service provider. If you attempt to send an e-mail message that exceeds the size limit of the e-mail server, the message is left in the Outbox folder, and the device attempts to resend it periodically. Sending an e-mail requires a data connection, and continuous attempts to resend the e-mail may increase your data transfer costs. In the Outbox folder, you can delete such a message, or move it to the Drafts folder.

1. Select **New message** > **Message** to send a text or multimedia message (MMS), **Audio message** to

send a multimedia message that includes one sound clip, or **E-mail** to send an e-mail message.

2. In the To field, press the scroll key to select recipients or groups from the contacts list, or enter the recipient's phone number or e-mail address. You can also copy and paste the number or address from the clipboard.
3. In the subject field, enter the subject of the e-mail. To change the fields that are visible, select **Options** > **Message header fields**.
4. In the message field, write the message. To insert a template or note, select **Options** > **Insert content** > **Insert text** > **Template** or **Note**.
5. To add a media file to a multimedia message, select **Options** > **Insert content**, the file type or source, and the desired file. To insert a business card, slide, note, or some other file to the message, select **Options** > **Insert content** > **Insert other**.
6. To capture an image or record a video or sound clip for a multimedia message, select **Options** > **Insert content** > **Insert image** > **New**, **Insert video clip** > **New**, or **Insert sound clip** > **New**.
7. To add an attachment to an e-mail, select **Options** and the attachment type. E-mail attachments are indicated by .
8. To send the message, select **Options** > **Send**, or press the call key.

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

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.

You may not be able to send video clips that are saved in the MP4 file format or that exceed the size limit of the wireless network in a multimedia message.

Nokia understands how important it is that your mobile phone or device operates reliably and that your personal content is saved safely.

Any information from an unknown or unreliable source, for example, via Bluetooth connectivity, multimedia message, or cable, may harm your PC, mobile phone, or device. You may protect your mobile phone or device from damage and keep it secured by following simple measures:

- Always keep Bluetooth connectivity closed unless you want your phone or device to be visible to others, when your phone or device supports Bluetooth.
- Always be alert when receiving information, like Bluetooth file or multimedia message, from an unknown or untrustworthy source.
- Do not download or install any applications that may include software harmful to your phone or device.
- Always download and install applications or content, like ringing tone or game, from trusted or well-known sources, such as Nokia Software Market, where good protection is provided against viruses and other harmful software.

This is a friendly reminder, the mentioned function may vary from different device model.

Your device offers several options to connect to the internet or to another compatible device or PC. For

more information on other connectivity methods, see the extended user guide on the product support pages of the Nokia website.

## Wireless LAN


Your device can detect and connect to wireless local area networks (WLAN). Using a WLAN, you can connect your device to the internet and compatible devices that have WLAN support.

### About WLAN

To use a wireless LAN (WLAN) connection, it must be available in the location, and your device must be connected to the WLAN. Some WLANs are protected, and you need an access key from the service provider to connect to them.

There might be some restrictions for WLAN use in some countries. Check with your local authorities for more information.

Features that use WLAN, or that are allowed to run in the background while using other features, increase the demand on battery power and reduce the battery life.

 **Important:** Always enable one of the available encryption methods to increase the security of your

wireless LAN connection. Using encryption reduces the risk of unauthorised access to your data.

## WLAN wizard

Select **Menu** > **Ctrl. panel** > **Connectivity** > **WLAN wiz.**

The WLAN wizard helps you to connect to a wireless LAN (WLAN) and manage your WLAN connections.

If the search finds WLANs, to create an internet access point (IAP) for a connection and start the web browser using this IAP, select the connection and **Start web browsing**.

If you select a secured WLAN, you are asked to enter the relevant password. To connect to a hidden network, you must enter the correct network name (service set identifier, SSID).

If you already have the web browser running using the currently active WLAN connection, to return to the web browser, select **Cont.web browsing**. To end the active connection, select the connection and **Disconnect WLAN**.

## Bluetooth connectivity

### About Bluetooth connectivity

With Bluetooth connectivity, you can make a wireless connection to other compatible devices, such as mobile phones, computers, headsets, and car kits.

You can use the connection to send images, video clips, music and sound clips, and notes, transfer files from your compatible PC, and print images with a compatible printer.

Since devices with Bluetooth wireless technology communicate using radio waves, they do not need to be in direct line-of-sight. However, they must be within 10 metres (33 feet) of each other, although the connection may be subject to interference from obstructions such as walls or from other electronic devices.

This device is compliant with Bluetooth Specification 2.0 + EDR supporting the following profiles: Advanced Audio Distribution, Audio Video Remote Control, Basic Imaging, Basic Printing, Dial-up Networking, File Transfer, Generic Access, Hands-free, Headset, Human Interface Device, Local Positioning, Object Push, Phone Book Access, SIM Access, Serial Port, Video Distribution. To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved accessories for this model. Check with the

manufacturers of other devices to determine their compatibility with this device.

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

When the device is locked, only connections to authorised devices are possible.

## Settings

Select **Menu** > **Ctrl. panel** > **Connectivity** > **Bluetooth**.

When you open the application for the first time, you are asked to define a name for your device. You can change the name later.

Select from the following:

- **Bluetooth** — Turn Bluetooth connectivity on or off.
- **My phone's visibility** — To allow your device to be found by other devices with Bluetooth wireless technology, select **Shown to all**. To set a time period after which the visibility is set from shown to hidden, select **Define period**. To hide your device from other devices, select **Hidden**.
- **My phone's name** — Edit the name shown to other devices with Bluetooth wireless technology.
- **Remote SIM mode** — Enable or disable another device, such as a compatible car kit accessory, to use the SIM card in your device to connect to the network.

## Send data using Bluetooth connectivity

Several Bluetooth connections can be active at a time. For example, if you are connected to a compatible headset, you can also transfer files to another compatible device at the same time.

1. Open the application where the item you want to send is stored.
2. Scroll to an item, and select **Options** > **Send** > **Via Bluetooth**.

Devices using Bluetooth technology within range are displayed. Device icons are as follows:



computer



phone



audio or video device



other device

To interrupt the search, select **Stop**.

3. Select the device with which you want to connect.
4. If the other device requires pairing before data can be transmitted, a tone sounds, and you are asked to enter a passcode. The same passcode must be entered in both devices.

When the connection is established, **Sending data** is displayed.

# Internet

If the web page is unreadable or not supported and garbage code is found while browsing, you can try to select **Menu** > **Internet** > **Web** and **Options** > **Settings** > **Page** > **Default encoding**, and select a corresponding encoding.

To browse the web, you need to have an internet access point configured in your device. Using the web browser requires network support.


## Browse the web

With the Browser application you can browse web pages.

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



**Shortcut:** To start the browser, press and hold **0** in the home screen.

**Go to a web page** — In the bookmarks view, select a bookmark, or start entering a web address (the  field opens automatically), and select **Go to**.

Some web pages may contain material, such as video clips, that requires a large amount of memory to view. If your device runs out of memory while loading such a web page, insert a memory card. Otherwise, the video clips are not displayed.

**Disable graphics to save memory and speed up downloading** — Select **Options** > **Settings** > **Page** > **Load content** > **Text only**.

**Refresh the content of the web page** — Select **Options** > **Web page options** > **Reload**.

**View snapshots of web pages you have visited** — Select **Back**. A list of pages you have visited during the current browsing session opens. This option is available if **History list** is activated in the browser settings.

**Block or allow the automatic opening of multiple windows** — Select **Options** > **Web page options** > **Block pop-ups** or **Allow pop-ups**.

**View the shortcut keys** — Select **Options** > **Keypad shortcuts**. To edit the shortcut keys, select **Edit**.

**Zoom in and out on a web page** — To zoom in, press \*. To zoom out, press #.



**Tip:** To send the browser to the background without exiting the application or closing the connection, press the end key once.

# Nokia Office Tools

Nokia Office Tools support mobile business and enable effective communication with work teams.

## Active notes

Select **Menu** > **Office** > **Active notes**.

Active notes allows you to create, edit, and view different kinds of notes, for example, meeting memos, hobby notes, or shopping lists. You can insert images, videos, and sound in the notes. You can link notes to other applications, such as Contacts, and send notes to others.

## Calculator

Select **Menu** > **Office** > **Calculator**.

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

To make a calculation, enter the first number of the calculation. Select a function such as add or subtract from the function map. Enter the second number of the calculation, and select =. The calculator performs operations in the order they are entered. The result of the calculation remains in the editor field and can be used as the first number of a new calculation.

The device saves the result of the last calculation in its memory. Exiting the Calculator application or

switching off the device does not clear the memory. To recall the last saved result the next time you open the Calculator application, select **Options** > **Last result**.

To save the numbers or results of a calculation, select **Options** > **Memory** > **Save**.

To retrieve the results of a calculation from the memory and use them in a calculation, select **Options** > **Memory** > **Recall**.

## File manager

### About File manager

Select **Menu** > **Office** > **File mgr.**

With File manager, you can browse, manage, and open files.

The available options may vary.

To map or delete drives, or to define settings for a compatible remote drive connected to your device, select **Options** > **Remote drives**.

## Quickoffice

### About Quickoffice

Select **Menu** > **Office** > **Quickoffice**.

Quickoffice consists of Quickword for viewing Microsoft Word documents, Quicksheet for viewing Microsoft Excel worksheets, Quickpoint for Microsoft PowerPoint presentations, and Quickmanager for purchasing software. You can view Microsoft Office 2000, XP, 2003, and 2007 documents (DOC, XLS, and PPT file formats) with Quickoffice. If you have the editor version of Quickoffice, you can also edit files.

Not all file formats or features are supported.

## Converter

Select **Menu** > **Office** > **Converter**.

The converter has limited accuracy, and rounding errors may occur.

## Zip manager

Select **Menu** > **Office** > **Zip**.

With Zip manager, you can create new archive files to store compressed ZIP formatted files; add single or multiple compressed files or directories to an archive; set, clear, or change the archive password for protected archives; and change settings, such as compression level, and file name encoding.

You can save the archive files in the device memory or on a memory card.

## PDF reader

Select **Menu** > **Office** > **Adobe PDF**.

With PDF reader, you can read PDF documents on the display of your device; search for text in the documents; modify settings, such as zoom level and page views; and send PDF files using e-mail.

## Printing

You can print documents, such as files, notes, or messages, from the device, or print to a file. You can print directly from applications that allow printing. Select a document you want to print and **Options** > **Printing options** > **Print**.

You can print images directly from Gallery. Select an image you want to print and **Options** > **To printer or kiosk**.

To define printer settings, select **Menu** > **Ctrl. panel** > **Printers**.

## Chinese-English bilingual dictionary

To look up a Chinese word for English translation and an English word for Chinese translation, select **Menu** > **Office** > **Dictionary**.

## Search for words in the dictionary

Select an input method as needed, then enter the Chinese characters or English words you wish to look up.

When you enter text in the inputting window, the device will automatically filter those entries matching to your text from the Bilingual dictionary and show a candidate list in the display. The most matched entry will be highlighted and located at the top of the candidate list.

1. Scroll up or down to highlight your needed entry, when you are moving the highlight bar, the text in the input window stays unchanged.
2. You could use the below methods to select entry:
  - Press the scroll key.
  - Select **Select word** from the option menu.

Your selected entry will be automatically shown in the input window (if this entry is different from your input Chinese characters or English words), and its translation will be shown on the screen to replace the previous candidate entry list. Meanwhile, the cursor will locate in the translation window.

Sometimes, the screen cannot display the whole translation content. Press the up or down scroll key to view the whole content.

## Return to the state of looking up in dictionary

If you want to continue to look up the translation of other Chinese characters or English words in dictionary, please implement any of the following options:

- Enter the Chinese characters or English words you want to look up.
- First press the backspace key to empty the contents in the input window, and then enter the Chinese characters or English words you want to look up.
- Press **Back**. The dictionary will return to the state of showing candidates entry list, but the entry in the inputting window is still highlighted. You could directly input text or move the cursor by scrolling left or right to edit the text in the input window.

# Maps

Establishing a GPS connection may take from a couple of seconds to tens of minutes. Establishing a GPS connection in the car, in bad weather conditions, or in a challenging geographical environment may take longer.

The GPS of this device is not for professional navigation and positioning. GPS connection time may take tens of minutes which might also be affected by weather, use environment, and other condition of use. GPS should only be used as a navigation aid and should not be used for emergency or task which requires more precise positioning.

## Maps overview



Select **Menu** > **Applications** > **GPS** > **Maps**.

Welcome to Maps.

Maps shows you what is nearby, helps you plan your route, and guides you where you want to go.

- Find cities, streets, and services.
- Find your way with turn-by-turn directions.
- Synchronise your favourite locations and routes between your mobile device and the Ovi Maps internet service.
- Check weather forecasts and other local information, if available.

Maps availability depends on the laws of each country/region (e.g. maps may not be available due to legal restrictions of countries/regions). Nokia disclaims any and all warranty with respect to the availability of maps, including its accuracy, correctness and update.



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

Some services may not be available in all countries, and may be provided only in selected languages. The services may be network dependent. For more information, contact your network service provider.

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.

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.

# My position

## View your location and the map

See your current location on the map, and browse maps of different cities and countries.

Select **Menu** > **Applications** > **GPS** > **Maps** and **My position**.

When the GPS connection is active, ● marks your current or last known location on the map. If the icon's colours are faint, no GPS signal is available.

If only cell ID based positioning is available, a red halo around the positioning icon indicates the general area you might be in. The accuracy of the estimate increases in densely populated areas.

**Move on the map** — Use the scroll key. By default, the map is oriented north.

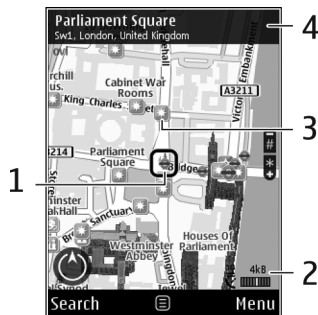
**View your current or last known location** — Press **0**.

**Zoom in or out** — Press the left or right shift keys, or the shift key and the backspace key, depending on your device.

If you browse to an area not covered by maps that are stored on your device and you have an active data connection, new maps are automatically downloaded.

Map coverage varies by country and region.

## Map view



- 1 — Selected location
- 2 — Indicator area
- 3 — Point of interest (for example, a railway station or a museum)
- 4 — Information area

## Change the look of the map

View the map in different modes, to easily identify where you are.

Select **Menu** > **Applications** > **GPS** > **Maps** and **My position**.

Press **1**, and select from the following:

- **Map** — In the standard map view, details such as location names or motorway numbers, are easy to read.

- **Satellite** — For a detailed view, use satellite images.
- **Terrain** — View at a glance the ground type and altitude, for example, when you are travelling off-road.

**Change between 2D and 3D views** — Press 3.

## Download and update maps

To avoid mobile data transfer costs, download the latest maps and voice guidance files to your computer using the Nokia Map Loader application, and then transfer and save them to your device.

To install Nokia Map Loader on your compatible computer, go to [www.nokia.com.hk/maps](http://www.nokia.com.hk/maps), and follow the instructions.



**Tip:** Save new maps to your device before a journey, so you can browse the maps without an internet connection when travelling abroad.

Before using Nokia Map Loader, you must browse maps in the Maps application in your device at least once.

### Download maps with Nokia Map Loader

1. Connect your device to your compatible computer with a compatible USB data cable or Bluetooth connection. If you use a data cable, select PC Suite as the USB connection method.
2. Open Nokia Map Loader on the computer.
3. If a new map version or new voice files are available for your device, you are prompted to update the data.

4. Select a continent and a country. Larger countries may have several sub-maps so you can download the maps relevant for you.
5. Select the maps, and download and install them to your device.

## Use the compass

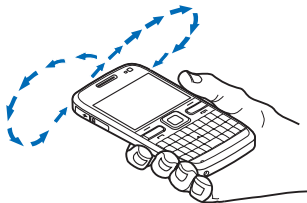
When the compass is activated, both the arrow of the compass and the map rotate automatically in the direction to which the top of your device is pointing.

Select **Menu** > **Applications** > **GPS** > **Maps** and **My position**.

**Activate the compass** — Press 5.

**Deactivate the compass** — Press 5 again. The map is oriented north.

The compass is active when there is a green outline. If the compass needs calibration, the outline of the compass is red or yellow. To calibrate the compass, rotate the device around all axes in a continuous movement.



The compass has limited accuracy. Electromagnetic fields, metal objects, or other external circumstances

may also affect the accuracy of the compass. The compass should always be properly calibrated.

## About positioning methods

Maps displays your location on the map using GPS, A-GPS, or cell ID based positioning.

The Global Positioning System (GPS) is a satellite-based navigation system used for calculating your location. Assisted GPS (A-GPS) is a network service that sends you GPS data, improving the speed and accuracy of the positioning.

When you use Maps for the first time, you are prompted to define an internet access point to download map information or use A-GPS.



indicates the availability of the satellite signals. One bar is one satellite. When the device is searching for satellite signals, the bar is yellow. When there is enough data available to calculate your location, the bar turns green. The more green bars, the more reliable the location calculation.

The Global Positioning System (GPS) is operated by the government of the United States, which is solely responsible for its accuracy and maintenance. The accuracy of location data can be affected by adjustments to GPS satellites made by the United States government and is subject to change with the United States Department of Defense civil GPS policy and the Federal Radionavigation Plan. Accuracy can also be affected by poor satellite geometry. Availability and quality of GPS signals may be affected by your location, buildings, natural obstacles, and weather conditions. GPS signals may not be available inside buildings or

underground and may be impaired by materials such as concrete and metal.

GPS should not be used for precise location measurement, and you should never rely solely on location data from the GPS receiver and cellular radio networks for positioning or navigation.

The trip meter has limited accuracy, and rounding errors may occur. Accuracy can also be affected by availability and quality of GPS signals.

With cell ID based positioning, the position is determined through the antenna tower your mobile device is currently connected to.

Depending on the available positioning method, the accuracy of positioning may vary from a few metres to several kilometres.

# Media

Your device contains a variety of media applications for both business and leisure time use.

## Gallery

### About Gallery

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

Gallery is a storage place for your images, video and sound clips, songs, and streaming links.

## Share online

### About Share online

Select **Menu** > **Media** > **Share online**.

With Share online (network service), you can post your images, video clips, and sound clips from your device to compatible online sharing services, such as albums and blogs. You can also view and send comments to the posts in these services, and download content to your compatible Nokia device.

The supported content types and the availability of the Share online service may vary.

## Music player

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

Music player supports file formats such as AAC, AAC+, eAAC+, MP3, and WMA. Music player does not necessarily support all features of a file format or all the variations of file formats.

## FM radio

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

Select **Menu** > **Media** > **Radio** > **FM radio**.

The quality of the radio broadcast depends on the coverage of the radio station in that particular area.

## Nokia Internet Radio



Select **Menu** > **Media** > **Radio** > **Internet radio**.

With the Nokia Internet Radio application (network service), you can listen to available radio stations on the internet. To listen to radio stations, you must have

a wireless LAN (WLAN) or packet data access point defined in your device. Listening to the stations may involve the transmission of large amounts of data through your service provider's network. The recommended connection method is WLAN. Check with your service provider for terms and data service fees before using other connections. For example, a flat rate data plan can allow large data transfers for a set monthly fee.

## Listen to internet radio stations

Select **Menu** > **Media** > **Radio** > **Internet radio**.

To listen to a radio station on the internet, do the following:

1. Select a station from your favourites or the station directory, or search for stations by name from the Nokia Internet Radio service.

To add a station manually, select **Options** > **Add station manually**. You can also browse for station links with the Web browser application. Compatible links are automatically opened in the Internet Radio application.

2. Select **Listen**.

The Now playing view opens, displaying information about the currently playing station and song.

To pause the playback, press the scroll key; to resume, press the scroll key again.

To view station information, select **Options** > **Station information** (not available if you have saved the station manually).

If you are listening to a station saved in your favourites, scroll left or right to listen to the previous or next saved station.

# Security and data management

Manage the data and software on your device, and take care of the security of the device and its contents.



**Important:** Your device can only support one antivirus application. Having more than one application with antivirus functionality could affect performance and operation or cause the device to stop functioning.

## Lock the device

The lock code protects your device against unauthorised use. The preset code is 12345.

To lock the device, in the home screen, press the power key, and select **Lock phone**.

To unlock your device, select **Unlock**, enter the lock code, and select **OK**.

To change the lock code, select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Security** > **Phone and SIM card**. Enter the old code and then the new code twice. The new code can be 4-255 characters long. Both alphabets and digits can be used, and both uppercase and lowercase alphabets are possible.

Write down the new code, and keep it secret and in a safe place separate from your device. If you forget the lock code and your device is locked, you must take the device to a Nokia authorised service facility and additional charges may apply. To unlock the device, the

software must be reloaded, and the data you have saved in the device may be lost.

You can also lock the device remotely by sending a text message to the device. To enable remote locking, and to define the text for the message, select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Security** > **Phone and SIM card** > **Remote phone locking** > **Enabled**. Enter the remote lock message, and confirm the message. The message must be at least 5 characters long. Write down the text, as you may need it later.

## Memory card security

Select **Menu** > **Office** > **File mgr.**.

You can protect a memory card with a password to prevent unauthorised access. To set a password, select **Options** > **Memory card password** > **Set**. The password can be up to 8 characters long and is case-sensitive. The password is stored in your device. You do not need to enter it again while you use the memory card on the same device. If you use the memory card on another device, you are asked for the password. Not all memory cards support password protection.

To remove the memory card password, select **Options** > **Memory card password** > **Remove**. When you remove the password, the data on the

memory card is not protected against unauthorised use.

To open a locked memory card, select **Options** > **Unlock memory card**. Enter the password.

If you cannot recall the password to unlock a locked memory card, you may reformat the card, in which case the card is unlocked and password removed. Formatting a memory card deletes all data stored on the card.

## Encryption

Select **Menu** > **Ctrl. panel** > **Phone** > **Encryption**.

Encrypt your device or memory card to prevent outsiders from accessing your important information.

## Encrypt device memory or memory card

To encrypt the device memory, select **Phone memory**.

To encrypt the memory card, select **Memory card** and from the following:

- **Encrypt without saving key** — Encrypt the memory card without saving the encryption key. If you select this option, you cannot use the memory card in other devices, and if you restore factory settings, you cannot decrypt the memory card.
- **Encrypt and save key** — Encrypt the memory card and save the key manually in the default folder. For security, store the key to a safe place outside the

device. For example, you can send the key to your computer. Enter a pass phrase for the key and a name for the key file. The pass phrase should be long and complex.

- **Encrypt with restored key** — Encrypt the memory card with a key you have received. Select the key file, and enter the pass phrase.

## Decrypt device memory or memory card

Always remember to decrypt the device memory and/or the memory card before updating the device software.

To decrypt the device memory, select **Phone memory**.

To decrypt the memory card without destroying the encryption key, select **Memory card** > **Decrypt**.

To decrypt the memory card and destroy the encryption key, select **Memory card** > **Decrypt and turn off encryption**.

# Settings

Select **Menu** > **Ctrl. panel** > **Settings**.

You can define and modify various settings of your device. Modifying these settings affects the operation of your device across several applications.

Some settings may be preset for the device or sent to you in a special message by your service provider. You may not be able to change such settings.

Select the setting you want to edit to do the following:

- Switch between two values, such as on or off.
- Select a value from a list.
- Open a text editor to enter a value.
- Open a slider, and scroll left or right to adjust a value.

## General settings

Select **Menu** > **Ctrl. panel** > **Settings** and **General**.

## Personalisation settings

Select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Personalisation**.

## Display settings

To define the level of light that the device needs before switching on the backlight, select **Display** > **Light sensor**.

To change the text size, select **Display** > **Font size**.

To adjust the length of time the display can be left idle before the screen saver is activated, select **Display** > **Power saver time-out**.

To select a welcome note or logo for the display, select **Display** > **Welcome note / logo**. You can either choose the default welcome note, enter your own text, or select an image.

To set how quickly the display dims after the last keypress, select **Display** > **Light time-out**.

## Tone settings

Select **Menu** > **Ctrl. panel** > **Settings**.

Select **General** > **Personalisation** > **Tones** and from the following:

- **Ringtone** — Select a ringing tone from the list, or select **Download sounds** to open a bookmark folder containing a list of bookmarks for downloading tones using the browser. If you have two alternate phone lines in use, you can specify a ringing tone for each line.
- **Video call tone** — Select a ringing tone for video calls.
- **Say caller's name** — If you select this setting, and someone from your contacts list calls you, the device sounds a ringing tone that is a combination of the spoken name of the contact and the selected ringing tone.

- **Ringing type** — Select how you want the ringing tone to alert you.
- **Ringing volume** — Set the volume level of the ringing tone.
- **Message alert tone** — Select a tone for received text messages.
- **E-mail alert tone** — Select a tone for received e-mail messages.
- **Calendar alarm tone** — Select a tone for calendar alerts.
- **Clock alarm tone** — Select a tone for clock alarms.
- **Vibrating alert** — Set the device to vibrate when you receive a call or message.
- **Keypad tones** — Set the volume level of the keypad tones.
- **Warning tones** — Turn the warning tones on or off.

## Language settings

Select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Personalisation** > **Language**.

- **Phone language** — Set the device language.
- **Writing language** — Select the language used for writing notes and messages.
- **Predictive text** — Activate predictive text input.
- **Input options** — Define the settings for predictive text input.

## Scroll key lights

Select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Personalisation** > **Notification lights**.

To set the scroll key to blink slowly when you do not use the device, select **Standby br. light**.

To set the scroll key to blink rapidly when you have missed calls or received messages, select **Notification light**, set the blinking time, and select the events you want to be notified of.

## Settings for One-touch keys

Select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Personalisation** > **One-touch keys**.

To select which application and task is opened when you press a One-touch key, select the key and **Options** > **Open**.

To restore the preset applications and tasks, select **Restore defaults**.

## Date and time settings

Select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Date and time**.

Select from the following:

- **Date** and **Time** — Set the current date and time.
- **Time zone** — Define your time zone.
- **Date format** and **Date separator** — Define the date format and separator.
- **Time format** and **Time separator** — Select whether to use the 12-hour or 24-hour clock system and with which symbol to separate hours and minutes.
- **Clock type** — Define the clock type.
- **Clock alarm tone** — Select the tone for the alarm clock.
- **Alarm snooze time** — Define the snooze time for the alarm clock.

- **Workdays** — Define the days of the week that are work days for you.
- **Automatic time update** — Update the time, date, and time zone information automatically (network service).

## Common accessory settings

Select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Enhancement**.

With most accessories, you can do the following:

To define which profile is activated when you attach an accessory to your device, select the accessory and **Default profile**.

To set the device to answer phone calls automatically after 5 seconds when an accessory is attached, select **Automatic answer** > **On**. If the ringing type is set to **Beep once** or **Silent** in the selected profile, automatic answering is disabled.

To illuminate the device while it is attached to an accessory, select **Lights** > **On**.

## Sensor settings

Select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Sensors**.

To set the device to silence an incoming call or snooze an alarm when you turn the device face down, select **Turning control**.

## Security settings

### About security settings

Select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Security**.

Avoid using codes that are similar to emergency numbers to prevent accidental dialling of the emergency number. Codes are shown as asterisks. When you change a code, enter the current code, then the new code twice.

### Device and SIM card security

To change the PIN code, select **Phone and SIM card** > **PIN code**. The new code must be 4 to 8 digits long. The PIN code protects your SIM card against unauthorised use and is provided with the SIM card. After three consecutive incorrect PIN code entries, the code is blocked, and you need to use the PUK code to unblock it before you can use the SIM card again.

To set the keypad to lock automatically after a defined period, select **Phone and SIM card** > **Keypad autolock period**.

To set a time-out after which the device is automatically locked and can be used only if the correct lock code is entered, select **Phone and SIM card** > **Phone autolock period**. Enter a number for the time-out in minutes, or select **None** to set off the autolock period. When the device is locked, you can still answer incoming calls, and calls may still be possible to the official emergency number programmed into your device.

To set a new lock code, select **Phone and SIM card** > **Lock code**. The preset lock code is 12345. Enter the current code and then the new code twice. The new code can be 4-255 characters long. Both alphabets and digits can be used, and both uppercase and lowercase alphabets are possible. The device notifies you if the lock code is not properly formatted.

## Restore original settings

To restore the original device settings, select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Factory settings**. To do this, you need your device lock code. After resetting, the device may take a longer time to switch on.

## Positioning settings

Select **Menu** > **Ctrl. panel** > **Settings** and **General** > **Positioning**.

To use a specific positioning method to detect the location of your device, select **Positioning methods**.

To select a positioning server, select **Positioning server**.

To select which measurement system you want to use for speeds and distances, select **Notation preferences** > **Measurement system**.

To define in which format the coordinate information is displayed in your device, select **Notation preferences** > **Coordinate format**.

## E-mail key settings

Select **Menu** > **Ctrl. panel** > **Settings** and **General**.

To select which mailbox to open with the e-mail key, select **E-mail key settings** > **E-mail key**, and press the scroll key.

## Telephone settings

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

## Call settings

Select **Menu** > **Ctrl. panel** > **Settings** and **Phone** > **Call**.

Select from the following:

- **Send my caller ID** — Display your phone number to the person you are calling.
- **Call waiting** — Set the device to notify you of incoming calls while you are in a call (network service).
- **Reject call with message** — Reject a call, and send a text message to the caller.
- **Message text** — Write the standard text message that is sent when you reject a call.
- **Own video in recvd. call** — Allow or deny video sending during a video call from your device.
- **Image in video call** — Display a still image if video is not sent during a video call.
- **Automatic redial** — Set your device to make a maximum of 10 attempts to connect the call after

- an unsuccessful call attempt. To stop automatic redialling, press the end key.
- **Show call duration** — Display the length of a call during the call.
  - **Summary after call** — Display the length of a call after the call.
  - **Speed dialling** — Activate speed dialling.
  - **Anykey answer** — Activate anykey answer.
  - **Noise cancellation** — Activate earpiece active noise cancellation.
  - **Contact search** — Activate contact search in the home screen.

## Network settings

Select **Menu** > **Ctrl. panel** > **Settings** and **Phone** > **Network**.

To select the network mode, select **Network mode** and **Dual mode**, **UMTS**, or **GSM**. In dual mode, the device switches automatically between networks.



**Tip:** Selecting **UMTS** enables faster data transfer, but may increase the demand on battery power and reduce the battery life. In regions close to both GSM and UMTS networks, selecting **Dual mode** may cause constant jumping between the two networks, which also increases the demand on battery power.

To select the operator, select **Operator selection** and **Manual** to select from available networks, or **Automatic** to set the device to select the network automatically.

To set the device to indicate when it is used in a microcellular network (MCN), select **Cell info display** > **On**.

## Connection settings

Select **Menu** > **Ctrl. panel** > **Settings** and **Connection**.

Select from the following:

- **Bluetooth** — Edit the Bluetooth settings.
- **USB** — Edit the data cable settings.
- **Destinations** — Set up new or edit existing access points. Some or all access points may be preset for your device by your service provider, and you may not be able to create, edit, or remove them.
- **VPN** — Manage the settings for virtual private networking.
- **Packet data** — Define when packet data network is attached, and enter the default packet switched access point name if you use your device as a modem for a computer.
- **Wireless LAN** — Set the device to display an indicator when a wireless LAN (WLAN) is available, and define how often the device searches for networks.
- **Video sharing** — Enable video sharing, select the SIP profile for video sharing, and define the video saving settings.
- **SIP settings** — View or create session initiation protocol (SIP) profiles.
- **XDM profile** — Create an XDM profile. The XDM profile is required for many communications applications, for example, presence.

- **Presence** — Edit the settings for presence (network service). To register for the service, contact your service provider.
- **Remote drives** — Connect the device to a remote drive.
- **Configurations** — View and delete trusted servers from which your device may receive configuration settings.

## Access points

### Create a new access point

Select **Menu** > **Ctrl. panel** > **Settings** and **Connection** > **Destinations**.

You may receive access point settings in a message from a service provider. Some or all access points may be preset for your device by your service provider, and you may not be able to change, create, edit, or remove them.

When you select one of the access point groups (🌐, 🌐, 🌐, 🌐), you can see the access point types:

🔒 indicates a protected access point

➡ indicates a packet data access point

📶 indicates a wireless LAN (WLAN) access point

**Tip:** You can create internet access points in a WLAN with the WLAN wizard.

To create a new access point, select **Access point**. The device asks to check for available connections. After the search, connections that are already available are displayed and can be shared by a new access point.

If you skip this step, you are asked to select a connection method and to define the settings needed.

To edit the settings of an access point, select one of the access point groups, scroll to an access point, and select **Edit**. Use the instructions provided by your service provider to edit the following:

- **Connection name** — Enter a name for the connection.
- **Data bearer** — Select the data connection type.

Depending on the data connection you select, only certain setting fields are available. Fill in all fields marked with **Must be defined** or with a red \*. Other fields can be left empty, unless your service provider has instructed otherwise.

To use a data connection, your service provider must support this feature, and if necessary, activate it for your SIM card.

### Create access point groups

Select **Menu** > **Ctrl. panel** > **Settings** and **Connection** > **Destinations**.

Some applications allow you to use access point groups to connect to a network.

To avoid selecting which access point to use every time the device attempts to connect to a network, you can create a group that contains various access points, and define the order in which the access points are used to connect to a network.

For example, you can add wireless LAN (WLAN) and packet data access points to an internet access point group and use the group for browsing the web. If you give the WLAN access point the higher priority, the

device connects to the internet through a WLAN if available and through a packet data connection if not.

To create a new access point group, select **Options** > **Manage** > **New destination**.

To add access points to an access point group, select the group and **Options** > **New access point**. To copy an existing access point from another group, select the group, scroll to an existing access point, and select **Options** > **Organise** > **Copy to other dest.**

To change the priority order of access points within a group, scroll to an access point and **Options** > **Organise** > **Change priority**.

## Packet data access points

Select **Menu** > **Ctrl. panel** > **Settings** and **Connection** > **Destinations** > **Access point**, and follow the instructions on the display. Or, open one of the access point groups, select an access point marked with ➡, and select **Edit**.

Use the instructions provided by your service provider to edit the following:

- **Access point name** — The access point name is provided by your service provider.
- **User name** — The user name may be needed to make a data connection, and is usually provided by your service provider.
- **Prompt password** — If you want to set the device to ask for a password every time you log in to a server, or if you do not want to save your password in the device, select **Yes**.


- **Password** — A password may be needed to make a data connection and is usually provided by your service provider.
- **Authentication** — Select **Secure** to always send your password encrypted or **Normal** to send your password encrypted when possible.
- **Homepage** — Depending on the access point type you are setting up, enter the web address or the address of the multimedia message centre.
- **Use access point** — Select **After confirmation** to set the device to ask for confirmation before the connection using this access point is created, or **Automatically** to set the device to connect to the destination using this access point automatically.

Select **Options** > **Advanced settings** and from the following:

- **Network type** — Select the internet protocol type to transfer data to and from your device. The other settings depend on the selected network type.
- **Phone IP address** (for IPv4 only) — Enter the IP address of your device.
- **DNS addresses** — Enter the IP addresses of the primary and secondary DNS servers, if required by your service provider. To obtain these addresses, contact your internet service provider.
- **Proxy server address** — Enter the address of the proxy server.
- **Proxy port number** — Enter the port number of the proxy server.

## WLAN internet access points

Select **Menu** > **Ctrl. panel** > **Settings** and **Connection** > **Destinations** > **Access point**, and follow the instructions on the display. Or, open one of

the access point groups, select an access point marked with , and select **Edit**.

Use the instructions provided by your service provider to edit the following:

- **WLAN network name** — Select **Enter manually** or **Search for networks**. If you select an existing network, **WLAN network mode** and **WLAN security mode** are determined by the settings of its access point device.
- **Network status** — Define whether the network name is displayed.
- **WLAN network mode** — Select **Ad-hoc** to create an ad hoc network, and to allow devices to send and receive data directly; a WLAN access point device is not needed. In an ad hoc network, all devices must use the same WLAN network name.
- **WLAN security mode** — Select the encryption used: **WEP**, **802.1x**, or **WPA/WPA2**. (802.1x and WPA/WPA2 are not available for ad hoc networks.) If you select **Open network**, no encryption is used. The WEP, 802.1x, and WPA functions can be used only if the network supports them.
- **Use access point** — Select **After confirmation** to set the device to ask for confirmation before the connection using this access point is created or **Automatically** to set the device to connect to the destination using this access point automatically.

To enter the settings for the selected security mode, select **WLAN security settings**.

### Advanced WLAN settings

Select **Options** > **Advanced settings** and from the following:

- **IPv4 settings** — Enter the IP address of your device, the subnet IP address, the default gateway, and the IP addresses of the primary and secondary DNS servers. Contact your internet service provider for these addresses.
- **IPv6 settings** — Define the type of DNS address.
- **Ad-hoc channel** (only for ad hoc networks) — To enter a channel number (1-11) manually, select **User defined**.
- **Proxy server address** — Enter the address for the proxy server.
- **Proxy port number** — Enter the proxy port number.

## Packet data (GPRS) settings

Select **Menu** > **Ctrl. panel** > **Settings** and **Connection** > **Packet data**.

Your device supports packet data connections, such as GPRS in the GSM network. When you are using your device in GSM and UMTS networks, it is possible to have multiple data connections active at the same time; access points can share a data connection, and data connections remain active, for example, during voice calls.

To define the packet data settings, select **Packet data connection** and **When available** to register the device to the packet data network when you switch the device on in a supported network, or **When needed** to register the device to a packet data network only when an application or action attempts to establish a packet data connection. This setting affects all access points for packet data connections. To use the device as a packet data modem for your computer, select **Access**

**point**, and enter the access point name provided by your service provider. To use a high-speed data connection, select **High speed packet access** > **Enabled**.

## WLAN settings

Select **Menu** > **Ctrl. panel** > **Settings** and **Connection** > **Wireless LAN**.

To have an indicator displayed when there is a wireless LAN (WLAN) available in your current location, select **Show WLAN availability** > **Yes**.


To select the interval for your device to scan for available WLANs, and to update the indicator, select **Scan for networks**. This setting is not available unless you select **Show WLAN availability** > **Yes**.

To set the device to test the internet capability of the selected WLAN automatically, to ask for permission every time, or to never perform the connectivity test, select **Internet connectivity test** > **Run automatically**, **Ask every time**, or **Never run**. If you select **Run automatically** or allow the test to be performed when the device asks for it, and the connectivity test is performed successfully, the access point is saved to internet destinations.

To check the unique media access control (MAC) address that identifies your device, enter \*#62209526# in the home screen. The MAC address is displayed.

## WLAN security settings

Select **Menu** > **Ctrl. panel** > **Settings** and **Connection** > **Destinations** > **Access point**, and follow the instructions on the display.

To edit a wireless LAN (WLAN) access point, open one of the access point groups, and select an access point marked with .

To enter the settings for the selected security mode, select **WLAN security settings**.

## Session initiation protocol (SIP) settings

Select **Menu** > **Ctrl. panel** > **Settings** and **Connection** > **SIP settings**.

The session initiation protocol (SIP) is used for creating, modifying, and terminating certain types of communication sessions with one or more participants (network service). SIP profiles include settings for these sessions. The SIP profile used by default for a communication session is underlined.

To create a SIP profile, select **Options** > **New SIP profile** > **Use default profile** or **Use existing profile**.

To select the SIP profile you want to use by default for communication sessions, select **Options** > **Default profile**.

## Edit SIP profiles

Select **Menu** > **Ctrl. panel** > **Settings** and **Connection** > **SIP settings**.

Select **Options** > **Edit** and from the following:

- **Profile name** — Enter a name for the SIP profile.
- **Service profile** — Select **IETF** or **Nokia 3GPP**.
- **Default destination** — Select the destination to use for the internet connection.
- **Default access point** — Select the access point to use for the internet connection.
- **Public user name** — Enter your user name provided by your service provider.
- **Use compression** — Select if compression is used.
- **Registration** — Select the registration mode.
- **Use security** — Select if security negotiation is used.
- **Proxy server** — Enter the proxy server settings for this SIP profile.
- **Registrar server** — Enter the registration server settings for this SIP profile.

## Configuration settings

Select **Menu** > **Ctrl. panel** > **Settings** and **Connection** > **Configurations**.

You can receive messages from your service provider or company information management containing configuration settings for trusted servers. These settings are automatically saved in Configurations. You may receive configuration settings for access points, multimedia, or e-mail services, and instant messaging (IM) or synchronisation settings from trusted servers.

To delete configurations for a trusted server, select **Options** > **Delete**. The configuration settings for other applications provided by this server are also deleted.

## Application settings

Select **Menu** > **Ctrl. panel** > **Settings** and **Applications**.

Select an application from the list to adjust its settings.

# Shortcuts

Here are some of the available keyboard shortcuts in your device. Shortcuts can make the use of the applications more efficient.

## General shortcuts

Power key	Press and hold to switch your device on and off. Press once to switch between profiles.
Sym key	Press and hold to activate or deactivate Bluetooth connectivity.
Ctrl key	Press and hold to activate or deactivate the Silent profile.

<b>Ctrl + C</b>	Copy text.
<b>Ctrl + V</b>	Paste text.
<b>Ctrl + X</b>	Cut text.
<b>Ctrl + A</b>	Select all.

### Home screen

Left selection key + right selection key	Lock and unlock the keypad and keyboard.
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Call key	Open the call log.
<b>0</b>	Press and hold to open your homepage in the Web browser.
<b>1</b>	Press and hold to call your voice mailbox.
Number key (2-9)	Call a phone number using speed dialling. You must first activate speed dialling in <b>Menu &gt; Ctrl. panel</b> and <b>Settings &gt; Phone &gt; Call &gt; Speed dialling</b> .

### Web shortcuts

<b>*</b>	Zoom in the page.
<b>#</b>	Zoom out the page.
<b>0</b>	Go to the homepage.
<b>1</b>	Show the toolbar
<b>2</b>	Open the search dialog.
<b>3</b>	Return to the previous page.
<b>4</b>	Save the current page as a bookmark.
<b>5</b>	Open the map of keypad shortcuts.
<b>6</b>	Reload the current page.

<b>7</b>	View the page in full screen.
<b>8</b>	View the page overview.
<b>9</b>	Open the dialog for entering a new web address.

**E-mail**

<b>C</b>	Create a new e-mail message.
<b>D</b>	Remove the selected e-mail messages.
<b>R</b>	Create a reply message to the sender of the e-mail message.
<b>A</b>	Create a reply message to the sender and all other recipients.
<b>F</b>	Forward the e-mail message.
<b>N</b>	Open the next e-mail message.
<b>P</b>	Open the previous e-mail message.
<b>O</b>	Open the selected e-mail message.
<b>L</b>	Change the follow-up status of the message.
<b>J</b>	Move up one page in the e-mail message.
<b>K</b>	Move down one page in the e-mail message.
<b>T</b>	Move to the first e-mail message in the mailbox or move to the beginning of an e-mail message.

<b>B</b>	Move to the last e-mail message in the mailbox or move to the end of an e-mail message.
<b>M</b>	Open the list of e-mail folders for moving messages.
<b>U</b>	Change the read or unread status of an e-mail message.
<b>E</b>	Accept a meeting request.
<b>G</b>	Tentatively accept a meeting request.
<b>V</b>	Decline a meeting request.
<b>W</b>	Sort e-mail messages.
<b>I</b>	Expand and collapse the messages.
<b>Z</b>	Start the synchronisation.
<b>S</b>	Start the search.

**Calendar shortcuts for keyboard**

<b>A</b>	Open the agenda view.
<b>D</b>	Open the day view.
<b>W</b>	Open the week view.
<b>M</b>	Open the month view.
<b>T</b>	Open the to-do view.
<b>N</b>	Add a new meeting.

# Nokia original accessories

**⚠ Warning:** Use only batteries, chargers, and accessories approved by Nokia for use with this particular model. The use of any other types may invalidate any approval or warranty, and may be dangerous. In particular, use of unapproved chargers or batteries may present a risk of fire, explosion, leakage, or other hazard.

For availability of approved accessories, check with your dealer.

An extensive range of accessories is available for your device. For more details, see [www.nokia.com.hk](http://www.nokia.com.hk).



## Practical rules about accessories

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

## Battery

Type: BP-4L

Talk time:

Up to 5.9 hours/12.5 hours (WCDMA/GSM)

Standby time:

Up to 528 hours/384 hours (WCDMA/GSM)

**★ Important:** Battery talk and stand-by times are estimates and only possible under optimal network conditions. Actual battery talk and standby times depend on SIM cards, features used, battery age and condition, temperatures to which battery is exposed, network conditions, and many other factors, and may be significantly shorter than those specified above. Ringing tones, hands free call handling, use in digital mode, and other features will also consume the battery, and the amount of time a device is used for calls will affect its stand-by time. Likewise, the amount of time that the device is turned on and in the standby mode will affect its talk time.

# Green tips



## Save energy

You do not need to charge your battery so often if you do the following (if available for your device):

- Close applications and data connections, for example, your Bluetooth connection, when not in use.
- Decrease the brightness of the screen.
- Set your device to enter power saver mode after the minimum period of inactivity, if available in your device.

- Deactivate unnecessary sounds, such as key tones.

## Recycle

All materials of this device can be recovered as materials and energy. For information on how to recycle your old Nokia products, go to [www.nokia.com/werecycle](http://www.nokia.com/werecycle), or using a mobile device, [www.nokia.mobi/werecycle](http://www.nokia.mobi/werecycle).

Recycle packaging and user guides at your local recycling scheme.

For more information on the environmental attributes of your device, go to [www.nokia.com/ecodeclaration](http://www.nokia.com/ecodeclaration).

# Product and safety information

## Battery

### Battery and charger information

Your device is powered by a rechargeable battery. The battery intended for use with this device is BP-4L. 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-8X or AC-10X. The exact charger model number may vary depending on the type of plug. The plug variant is identified by one of the following: E, EB, X, AR, U, A, C, K, or UB. For example, the model numbers for the charger can be, among others, AC-8 etc.

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

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

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

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

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

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

or purse. Short-circuiting the terminals may damage the battery or the connecting object.

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

**Leak.** Do not dismantle, cut, open, crush, bend, puncture, or shred cells or batteries. In the event of a battery leak, prevent battery liquid contact with the skin or eyes. If this happens, flush the affected areas immediately with water, or seek medical help.

**Damage.** Do not modify, remanufacture, attempt to insert foreign objects into the battery, or immerse or expose it to water or other liquids. Batteries may explode if damaged.

**Correct use.** Use the battery only for its intended purpose. Improper battery use may result in a fire, explosion, or other hazard. If the device or battery is dropped, especially on a hard surface, and you believe the battery has been damaged, take it to a service centre for inspection before continuing to use it. Never use any charger or battery that is damaged. Keep your battery out of the reach of small children.



**Important:** Talk and standby times are estimates only. Actual performance depends on many factors such as network conditions, device settings selected, device features being used (or running in the background), battery condition and ambient temperature. Making calls with the device affects the standby time and the amount of time in standby mode affects the talk time.

## Nokia battery authentication guidelines

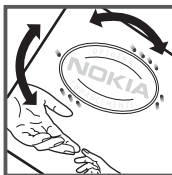
Always use original Nokia batteries for your safety. To check that you are getting an original Nokia battery, purchase it from a Nokia authorised service centre or dealer, and inspect the hologram label using the following steps:

### Authenticate hologram

1. When you look at the hologram on the label, you should see the Nokia connecting hands symbol from one angle and the Nokia Original Enhancements logo when looking from another angle.
2. When you angle the hologram left, right, down and up, you should see 1, 2, 3 and 4 dots on each side respectively.

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

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



## Taking care of your device

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

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

- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorised antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.
- Use chargers indoors.
- Backup all data you want to keep, such as contacts and calendar notes.
- To reset the device from time to time for optimum performance, power off the device and remove the battery.

These suggestions apply equally to your device, battery, charger, or any accessory.

## Recycle

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

## Additional safety information

### Small children

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

### Operating environment

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

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

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

### Medical devices

Operation of radio transmitting equipment, including wireless phones, may interfere with the function of inadequately protected medical devices. Consult a

physician or the manufacturer of the medical device to determine whether they are adequately shielded from external RF energy. Switch off your device when regulations posted instruct you to do so. Hospitals or health care facilities may use equipment sensitive to external RF energy.

## Implanted medical devices

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

- Always keep the wireless device more than 15.3 centimetres (6 inches) from the medical device.
- Not carry the wireless device in a breast pocket.
- Hold the wireless device to the ear opposite the medical device.
- Turn the wireless device off if there is any reason to suspect that interference is taking place.
- Follow the manufacturer directions for the implanted medical device.

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

## Hearing aids

Some digital wireless devices may interfere with some hearing aids.

## Vehicles

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

Only qualified personnel should service the device or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate your warranty. Check regularly that all wireless device equipment in your vehicle is mounted and operating properly. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories. Remember that air bags inflate with great force. Do not place your device or accessories in the air bag deployment area.

Switch off your device before boarding an aircraft. The use of wireless teledevices in an aircraft may be dangerous to the operation of the aircraft and may be illegal.

## Potentially explosive environments

Switch off your device in any area with a potentially explosive atmosphere. Obey all posted instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or death. Switch off the device at refuelling points such as near gas pumps at service stations. Observe restrictions in fuel depots, storage, and distribution areas; chemical plants; or where

blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include areas where you would be advised to turn off your vehicle engine, below deck on boats, chemical transfer or storage facilities and where the air contains chemicals or particles such as grain, dust, or metal powders. You should check with the manufacturers of vehicles using liquefied petroleum gas (such as propane or butane) to determine if this device can be safely used in their vicinity.

## Emergency calls



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

To make an emergency call:

1. If the device is not on, switch it on. Check for adequate signal strength. Depending on your device, you may also need to complete the following:
  - Insert a SIM card if your device uses one.

- Remove certain call restrictions you have activated in your device.
  - Change your profile from Offline or Flight profile to an active profile.
2. Press the end key as many times as needed to clear the display and ready the device for calls.
  3. Enter the official emergency number for your present location. Emergency numbers vary by location.
  4. Press the call key.

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

## Certification information (SAR)

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

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

The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit stated in the ICNIRP

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

The highest SAR value under the ICNIRP guidelines for use of the device at the ear is 1.31 W/kg.

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

## Limited Warranty

Nokia Corporation, represented by its Mobile Phones Division ("Nokia") warrants that this Nokia cellular product and/or genuine Nokia accessory ("Product") is free from defects in material and workmanship, according to the following terms and conditions:

1. The limited warranty for the cellular phone, data product and all genuine Nokia accessories (except battery packs) extends for the first twelve (12) months beginning on the date of purchase of the Product.
2. The limited warranty for genuine Nokia battery packs extends for the first six (6) months beginning on the date of purchase of the Product.

3. The limited warranty extends only to the original consumer purchaser ("Consumer") of the Product and is not assignable or transferable to any subsequent purchaser/end user.
4. The limited warranty extends only to Consumers who purchase the Product in one of the countries (or areas) set forth at the end of this document. The limited warranty is only valid in Nokia's intended country (or area) of sale of the Product.
5. During the limited warranty period, Nokia or its authorised service network will repair or replace, at Nokia's option, any defective Product or parts thereof with new or factory rebuilt replacement items, and return the Product to the Consumer in working condition. No charge will be made to the Consumer for either parts or labor in repairing or replacing the Product. All replaced parts, boards or equipment shall become property of Nokia. The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.
6. Repaired Product will be warranted for the balance of the original warranty period or for ninety (90) days from the date of repair, whichever is longer.
7. Upon request from Nokia or its authorised service centre, the Consumer must provide purchase receipt or other information to prove the date and place of purchase.
8. Transportation, delivery and handling charges incurred in the transport of the Product to and from Nokia or its authorised service centre will be borne by the Consumer.

9. The Consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:
- a) The Product has been subject to: abnormal use, abnormal condition, improper storage, exposure to moisture or dampness, exposure to excessive temperature or other such environmental conditions, unauthorised modifications, unauthorised connections, unauthorised repair including but not limited to use of unauthorised spare parts in repairs, misuse, neglect, abuse, accident, alteration, improper installation, Acts of God, spill of foods or liquids, maladjustment of customer controls or other acts which are beyond of reasonable control of Nokia, including deficiencies in consumable parts such as fuses and breakage or damage to antennas, unless caused directly by defects in materials or workmanship, and normal wear and tear of the Product.
  - b) Nokia was not notified by Consumer of the alleged defect or malfunction of the Product during the applicable limited warranty period.
  - c) The Product serial number or the accessory date code has been removed, defaced or altered.
  - d) The defect or damage was caused by defective function of the cellular system or by inadequate signal reception by the external antenna.
  - e) The Product was used with or connected to accessory not supplied by Nokia, not fit for use with Nokia cellular phones or used in other than its intended use.
  - f) The battery was short circuited or seals of the battery enclosure or cells are broken or show evidence of tampering or the battery was used in equipment other than for which it has been specified.
10. If a problem develops during the limited warranty period, the Consumer should take the following step-by-step procedure:
- a) The Consumer shall return the Product to the place of purchase for repair or replacement processing.
  - b) If "a" is not convenient, the Consumer may contact the local Nokia office for the location of the nearest authorised service centre.
  - c) The Consumer shall arrange for the Product to be delivered to the authorised service centre. Expenses related to removing the Product from an installation are not covered under this limited warranty.
  - d) The Consumer will be billed for any parts or labor charges not covered by this limited warranty. The Consumer shall be responsible for expenses related to reinstallation of the Product.
  - e) In case of certain operator specific features in the Product such as SIM-lock, Nokia reserves the right to refer the Consumer to the relevant cellular operator before service will be provided.

- f) If the Product is returned to Nokia after the expiration of the warranty period, Nokia's normal service policies shall apply and the Consumer will be charged accordingly.
11. ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING WRITTEN WARRANTY. OTHERWISE, THE FOREGOING WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NOKIA SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR A LOSS OF ANTICIPATED BENEFITS OR PROFITS, LOSS OR IMPAIRMENT OF PRIVACY OF CONVERSATIONS, WORK STOPPAGE OR LOSS OR IMPAIRMENT OF DATA ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT.
12. The benefits conferred by this limited warranty are in addition to all other rights and remedies under any applicable mandatory legislation as may be in force from country (area) to country (area).
13. Nokia neither assumes nor authorises any authorised service centre or any person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty.
14. All warranty information, product features and specifications are subject to change without notice.
15. The countries (or areas) in which this limited warranty is in force, subject to clause 4 above, are Hong Kong SAR and Macau SAR.

## Terms of use, OVI SERVICE TERMS and privacy policy

### Terms of Use

Thank you for choosing Nokia. By starting to use your device you begin your exciting journey with us.

### First use of your device

To access the wide range of Nokia's Ovi services a Nokia Account will be automatically created for you when you first use your device. You then only need to add personal user information when accessing the services for the first time, after which you can manage your Nokia Account online.

To help you to get the most out of your device and services, you will start receiving free personalized text messages from My Nokia with tips, tricks and support. You may unsubscribe from these My Nokia messages at any time by following the information on the welcome message you receive shortly after activating your device, or by clicking the My Nokia icon in your device and selecting Unsubscribe.

Upon first use of your device and after you have updated the Nokia device software an activation text message will be sent to Nokia.

## Software updates

If you update your Nokia device software the information described above in this notice still applies.

To ensure you have the latest Nokia device software and applications, your device checks the availability of software updates from Nokia. If any are available you will be prompted to approve their installation. You may disable automatic checking for updates through settings in your device. You may also install software through available software update channels.

## Other important information

By starting to use the device or when you update the Nokia device software you accept the Ovi Service Terms and Privacy Policy ("Terms") included in the sales box or as otherwise made available to you.

To provide you with the services described above your mobile number, device serial number and mobile subscription identifiers will be sent to Nokia upon first use of the device. Some or all of the above information may also be sent to Nokia in connection with software updates. This information may be used as further specified in the Privacy Policy.

This notice is not applicable and the welcome screen will not appear at first device use, if the service is not available in your country, software version or selected device language.

Normal charges for text messages and transmission of data will apply.

## OVI SERVICE TERMS

### 1. Acceptance

These Ovi Service Terms together with the Privacy Policy (collectively "Terms") govern your use of the application or website where you accessed these Ovi Service Terms and use of the related services (collectively "Service") and the Terms constitute an agreement between you and Nokia Corporation defining the rights and responsibilities of you and Nokia Corporation including its affiliates and suppliers (collectively "Nokia") with respect to the Service. There may be additional conditions applicable to certain parts of the Service. You are not allowed to use the Service if you do not agree to the Terms.

### 2. Eligibility

To use the Service, you must be at least thirteen (13) years of age. If you are at least thirteen (13) years of age but a minor where you live, you must review the Terms and have your parent or legal guardian complete the registration on your behalf for you to use the Service. The person completing the registration must be legally competent.

### 3. Registration and Termination

You agree to provide truthful and complete information when registering for the Service and to keep that information updated. Providing misleading information about your identity is forbidden.

When you register, you will create a username and a password. You (and your parent or legal guardian, if you are a minor) are personally responsible for any use of the Service with your username and password. You

agree to take due care in protecting your username and password against misuse by others and promptly notify Nokia about any misuse.

You may terminate your registration if you no longer wish to use the Service. After termination, you will no longer have access to the Service. Nokia may terminate your registration or restrict your access to certain parts of the Service if there is an indication that you have breached the Terms or with a prior notice if you have not signed into the Service with your username in the past six (6) months. Except as set forth in Privacy Policy, Nokia shall not be responsible for any removal of the information or content you have submitted ("Material") from the Service when your registration is terminated.

After the Material is removed from the Service by either you or Nokia, some traces of the Material may remain and copies of the Material may still reside within the Service.

#### 4. Using the Service

You agree to:

- Use the Service only for your private, non-commercial purposes;
- Comply with applicable laws, the Terms and good manners;
- Not submit unlawful, offensive, abusive, pornographic, harassing, libelous or other inappropriate Material;
- Respect the privacy of others;

- Obtain any consents, permission or licenses that may be required for you to have the legal right to submit any Material; and
- Not distribute or post spam, unreasonably large files, chain letters, pyramid schemes, viruses or any other technologies that may harm the Service, or the interest or property of the Service users.

Nokia may but has no obligation to:

- Monitor or moderate any of the Material; and
- Remove any Material from the Service and restrict access to any part of the Service at any time in its sole discretion.

#### 5. Allegations of Copyright Infringement

You may notify Nokia of copyright infringement on the Service by providing notice (a) by email with "Copyright Notification" in the subject line to copyright. notices@nokia.com, (b) by a document titled "Copyright Notification" mailed to Nokia, Attn: Copyright Agent, 102 Corporate Park Drive, White Plains, NY 10604, or (c) via the online form, if available. Your notice must:

- (1) Identify the original copyrighted work you claim is infringed;
- (2) Identify the content on the Service that you claim is infringing the copyrighted work. Please provide enough detail for Nokia to locate the allegedly infringing content on the Service;
- (3) Provide your contact information, including your full name, mailing address, telephone number, and email address, if available;
- (4) Provide a statement that you have a good faith belief that the use of the content in the manner

complained of is not authorized by the copyright owner, its agent, or the law;

(5) Provide this statement: "I swear, under penalty of perjury, that the information in this notification and complaint is accurate and that I am the copyright owner, or am authorized to act on behalf of the copyright owner of an exclusive right that is infringed."; and

(6) Provide your signature.

## 6. Licenses

Nokia does not claim ownership in your Material. Your submission of Material to the Service does not transfer ownership rights in the Material to Nokia. However, by submitting Material to the Service you grant Nokia a worldwide nonexclusive, assignable, fully paid, royalty-free, perpetual and irrevocable license to use, copy, publicly perform, display, distribute and modify the Material, and to prepare derivative works thereof, or incorporate the Material into other works as well as sublicense the same.

Users of the Service are granted a non-exclusive, non-transferable, revocable license (revocable at the sole discretion of Nokia at any time) to access and use the Service strictly in accordance with the Terms. Any further intellectual property rights in any information or content in the Service are not granted.

## 7. Fees

Your use of the Service may be or may become subject to charges. Any fees charged by Nokia will be announced separately in connection with the Service.

Use of the Service may involve transmission of data through your service provider's network. Your network

service provider may charge for such data transmission.

Nokia assumes no responsibility for the payment of any charges.

## 8. Availability

The Service may not be available in some countries and may be provided only in selected languages. The Service may be network dependent, contact your network service provider for more information.

Nokia reserves the right, in its sole discretion, to change, improve and correct the Service. The Service may not be available during maintenance breaks and other times.

Nokia may also decide to discontinue the Service or any part thereof in its sole discretion. In such case you will be provided a prior notification.

## 9. Dealings with Others

You may interact with other users on or through the Service. You agree that any such interactions do not involve Nokia and are solely between you and the other user(s).

## 10. Personal Data

The Privacy Policy and additional provisions in these Ovi Service Terms govern use of your personal data.

## 11. Limitation of Liability

The Service is provided on “AS IS” and “AS AVAILABLE” basis. Nokia does not warrant that the Service will be uninterrupted or error or virus-free. No warranty of any kind, either express or implied, including but not limited to warranties of title or non-infringement or implied warranties of merchantability or fitness for a particular purpose, is made in relation to the availability, accuracy, reliability, information or content of the Service. You expressly agree and acknowledge that the use of the Service is at your sole risk and that you may be exposed to content from various sources.

Except for liability for death or personal injury caused by gross negligence or intentional misconduct, Nokia shall not be liable for any direct, indirect, incidental, punitive or consequential damages caused by the use or inability to use the Service.

## 12. Indemnification

You agree to defend, indemnify and hold harmless Nokia from and against any and all third party claims and all liabilities, assessments, losses, costs or damages resulting from or arising out of i) your breach of the Terms, ii) your infringement or violation of any intellectual property, other rights or privacy of a third party, iii) misuse of the Service by a third party where such misuse was made available by your failure to take reasonable measures to protect your username and password against misuse.

## 13. Miscellaneous

### 13.1 Choice of Law and Arbitration

Except where prohibited by applicable law or provided otherwise herein, the Terms shall be governed by the

laws of Finland without regard to its conflict of law provisions.

If you are a US resident the following paragraph shall apply: The Terms shall be governed by the laws of New York without regard to its conflicts of law provisions. Any dispute relating to these Terms or the Service shall be submitted to binding arbitration in Westchester County, New York within eighteen (18) months of the date the facts giving rise to the suit were known, or should have been known, by the complainant, except that Nokia may seek injunctive or other relief if you have violated or threatened to violate any intellectual property rights. All matters relating to arbitration shall be governed by the Federal Arbitration Act (9 U.S.C. §1 et. seq.). Arbitration shall be conducted by a single arbitrator under the then prevailing Wireless Arbitration Rules of the American Arbitration Association (“AAA”). Each party must submit any claim which would constitute a compulsory counterclaim in litigation or such claim shall be barred. No award of exemplary, special, consequential or punitive damages shall be permitted. The losing party, as determined by the arbitrator, shall pay the arbitration fees. The arbitrator’s award shall be binding and may be entered as a judgment and enforceable in any court of competent jurisdiction. Arbitration shall be conducted on an individual, not class-wide basis, and no arbitration shall be joined with an arbitration involving any other person or entity.

### 13.2 Validity

The Terms shall neither exclude nor limit any of your mandatory rights in your country of residence. If a provision of the Terms is found to be invalid, the validity of the remaining provisions shall not be

affected and the invalid provision shall be replaced with a valid provision that comes closest to the result and purpose of the Terms. If there is any conflict between these Ovi Service Terms and the Privacy Policy, the provisions of these Ovi Service Terms shall prevail. The provisions of the Terms that are intended to survive termination shall remain valid after any termination.

### 13.3 Changes in Terms

Nokia reserves the right to modify the Terms at any time without prior notice. If the Terms are changed in a material, adverse way, Nokia will provide a separate prior notice advising of such change.

You are responsible for regularly reviewing the Terms. Your continued use of the Service shall constitute your consent to any changes and modifications.

### 13.4 Links to Third Party Sites and Content

For your easy accessibility Nokia may include links to sites on the Internet that are owned or operated by third parties and that are not part of the Service. Upon following a link to such a third-party site, you shall review and agree to that site's rules of use before using such site.

You agree that Nokia has no control over the content of third-party sites and cannot assume any responsibility for services provided or material created or published by such sites. A link to a third-party site does not imply that Nokia endorses the site or the products or services referenced in the site.

In addition, users may create links within the Service to content that has not otherwise been submitted to the Service. You agree that Nokia is neither responsible for nor liable for any such links.

## 14. Intellectual Property

The Service and related software are protected under international copyright laws and you are hereby notified that copyrights are claimed by Nokia. Subject to the Terms, Nokia retains all right, title and interest in the Service and in all Nokia's products, software and other properties provided to you or used by you through the Service.

## WE CARE ABOUT YOUR PRIVACY

Nokia is committed to protecting your privacy and to comply with applicable data protection and privacy laws. We hope that this Privacy Policy ("Policy") helps you understand what kind of information we collect in connection with our products and services and how we process such information. Throughout this Policy the term "personal data" means information relating to an identified or identifiable individual (i.e. a natural person). "Nokia" refers to Nokia Corporation, including its affiliates (also referred to as "we", "us", or "our").

This Policy applies to personal data collected in connection with products and services offered by Nokia or from other interactions with us where a link or other reference of incorporation to this Policy is made, for example, in connection with our devices and accessories, websites (also including mobile websites), games, music and other types of services offered by Nokia typically in electronic form, as well as other services such as customer care and warranty services or promotions and campaigns.

We may provide additional or amending privacy information in connection with a particular Nokia product or service. Such information prevails over this Policy to the extent of any conflict. Our products or services may contain links to other companies' websites and other third party services that have privacy policies of their own. We recommend that you read the privacy policies of such services. Nokia is not responsible for the privacy practices or contents of any such services.

**By using this website and/or by submitting personal data to Nokia, you express your agreement to the processing of your personal data in the manner provided in this Policy. If you do not agree with this Policy, please do not use this website or provide Nokia with your personal data.**

### **The Data We Collect**

We collect your personal data typically when you make a purchase, use or register into our services, enter into a sales promotion or a campaign or otherwise interact with us. We endeavour to collect personal data only with your knowledge or consent. Below are examples of the categories of data collected.

- **Technical Information** For the most part, you may visit our websites or use our products or services without having to tell us who you are. However, certain technical information is normally collected as a standard part of your use of our services. Such information includes, for example, your IP-address, access times, the website you linked from, pages you visit, the links you use, the ad banners and other content you viewed, information about your devices and other such technical information your browser provides us with or as may be otherwise collected

in connection with certain products and services. When you use our services or otherwise interact with us over telecommunications networks, certain additional information, such as your mobile telephone number, may be transmitted to us by the telecommunications operator as a standard part of that communication. Please also see the section "Use of Cookies and Web Beacons" below.

- **Information you provide us with** When you register for our services, make a purchase, enter a sales promotion or otherwise interact with us, we may ask you to provide us with information such as your name, email address, street address, as well as user names, passwords and other such credentials that are used to authenticate users and to validate their actions or that may be needed to provide you with the products and services you have requested or to communicate with you.

We may collect demographic information, for example, your age, gender, postal code and language preferences. We may also collect other information you provide, such as your consents, preferences and feedback, information relating to your devices and other such information you provide us with. Please note that certain non-identifiable information collected from you may become personally identifiable when you provide us with your personal data. We may also obtain, in accordance with applicable law, some personal data from list-rental companies and other such publicly available sources. Some of our services may allow you to submit information about other people, for example, if you make an order for a product that you wish us to send directly to another recipient.

- **Your transactions with us** We collect or ask for information relating to your purchase and/or use of our products and/or services and your other interactions with us. Such information may include, for example, details of the queries or requests you have made, the products and services provided (including delivery details), financial details (including payments made, credit card details, billing address, credit checks and other such financial information), details of agreements between you and Nokia, records of contacts and communications, information and details relating to the content you have provided us with and other such transactional information. We may, in accordance with applicable law, record your communication with our customer care or with other such contact points. Certain services may involve the use of your location data. However, use of your location data for such services is subject to your consent.

### **The Purposes for which We Process Your Personal Data**

Nokia processes your personal data for the purposes described in this Policy and/ or any additional service specific privacy information. Please note that one or more purposes may apply simultaneously.

- **Provision of products and services** We may use your personal data to fulfill your requests, process your order or as otherwise may be necessary to perform or enforce the contract between you and Nokia, to ensure the functionality and security of our products and services, to identify you and to prevent and investigate fraud and other misuses.

- **Development of products and services** We may use your personal data to develop our products and/ or services. However, for the most part we only use aggregate and statistical information in the development of our products and services. We may also use your personal data to personalize our offering and to provide you with service more relevant to you, for example, to make recommendations and to display customized content and advertising in our websites. We may combine personal data collected in connection with your use of a particular Nokia product and/ or service with other personal data we may hold about you, except where such personal data was collected for a different purpose. We may create aggregate and statistical information based on your personal data.
- **Communicating with you and marketing** We may use your personal data to communicate with you, for example, to provide information relating to our products and/ or services you are using or to contact you for customer satisfaction queries. We may use your personal data for marketing or research purposes, for example, to conduct market research and we may, in accordance with applicable law, contact you to inform you of new products, services or promotions we may offer. Also, some of our products and services may be used to promote products and services of other companies. However, Nokia does not disclose your personal data to such companies or any other company for marketing purposes without your prior consent.

### **Sharing Your Personal Data**

Generally, we do not sell, lease, rent or otherwise disclose your personal data to third parties unless otherwise stated below.

- **Consent** We may share your personal data if we have your consent to do so. Some services may include sharing your personal data with other users of the service, for example services where users publish their own content or Nokia user communities.
- **Nokia companies and authorized third parties** We may share your personal data with other Nokia companies or authorized third parties who process personal data for Nokia for the purposes described in this Policy. Such parties are not permitted to use your personal data for other purposes, and we require them to act consistently with this Policy and to use appropriate security measures to protect your personal data.
- **International transfers** Our products and services may be provided using resources and servers located in various countries around the world. Therefore your personal data may be transferred across international borders outside the country where you use our services, including to countries outside the European Economic Area (EEA) that do not have laws providing specific protection for personal data or that have different legal rules on data protection, for example, the United States of America. In such cases we take steps to ensure that there is a legal basis for such a transfer and that adequate protection for your personal data is provided as required by applicable law, for example, by using standard agreements approved by relevant authorities (where necessary) and by requiring the

use of other appropriate technical and organizational information security measures.

- **Mandatory disclosures** We may be obligated by mandatory law to disclose your personal data to certain authorities or other third parties, for example, to law enforcement agencies in the countries where we or third parties acting on our behalf operate. We may also disclose and otherwise process your personal data in accordance with applicable law to defend Nokia's legitimate interests, for example, in civil or criminal legal proceedings.
- **Mergers and Acquisitions** If we decide to sell, buy, merge or otherwise reorganise our businesses in certain countries, this may involve us disclosing personal data to prospective or actual purchasers and their advisers, or receiving personal data from sellers and their advisers.

### Collecting the Data of Minors

Nokia does not seek to collect any information from or engage in any transactions with persons under the age of 13. Our databases may nevertheless contain personal data of children under 13 due to the fact that it is not always possible to determine precisely the age of the user. Insofar as we ask you to provide your age, we block the service from any person who is under 13 years of age. We will also make reasonable efforts to clear our databases of personal data relating to under age users.

Nokia's policy is to request that minors (the legal age of majority and therefore the age of minors is determined by local law where you reside) do not make purchases or engage in other legal acts on our products

and services without the consent of a parent or legal guardian, unless otherwise permitted by applicable law.

### **Data Quality**

We take reasonable steps to keep the personal data we possess accurate and up-to-date and to delete out of date or otherwise incorrect or unnecessary personal data.

As certain Nokia products and services may allow you to manage your profile, we encourage you to access your personal data from time to time to ensure that it is correct and up-to-date. Please remember that it is your responsibility to provide us with correct details as well as to update the personal data you have provided us with in case of any changes.

### **Security**

While there are always risks associated with providing personal data, whether in person, by phone, via the internet or otherwise, and no technology is completely safe or “tamper” or “hacker” proof, Nokia takes appropriate technical and organizational information security measures to prevent and minimize such risks.

Such measures include, where appropriate, the use of firewalls, secure server facilities, encryption, implementing proper access rights management systems and processes, careful selection of processors and other technically and commercially reasonable measures to provide appropriate protection for your personal data against unauthorized use or disclosure. Where appropriate, we may also take back-up copies and use other such means to prevent accidental damage or destruction to your personal data. If a particular part of a Nokia website supports on-line

transactions, we will use an industry standard security measure, such as the one available through “Secure Sockets Layer” (“SSL”), to protect the confidentiality and security of online transactions.

### **Use of Cookies and Web Beacons**

From time to time when you visit a Nokia website, information may be placed on your computer to allow us to recognize your computer. This information is commonly in the form of a textfile known as a “cookie”. Cookies are small pieces of data stored on your computer’s hard drive, rather than on the website. Typically, they enable collection of certain information about your computer, including your internet protocol (IP) address, your computer’s operating system, your browser type and the address of any referring sites. Our use of cookies is intended to provide benefits to you, such as eliminating the need for you to enter your password frequently during a session or the need to re-enter items you place in a shopping cart if you do not finish a transaction in a single visit. Cookies are also used for website traffic analysis and anonymous demographic profiling so that we may improve our services.

Nokia may use so called web beacons (or “pixel tags”) in connection with some websites. However, we do not use them to identify individual users personally. Web beacons are typically graphic images that are placed on a website and they are used to count visitors to a website and/or to access certain cookies. This information is used to improve our services. Web beacons do not typically collect any other information than what your browser provides us with as a standard part of any internet communication. If you turn off cookies, the web beacon will no longer be able to track

your specific activity. The web beacon may, however, continue to collect information of visits from your IP-address, but such information will no longer be unique.

If you do not wish to receive cookies, or want to be notified before they are placed, you may set your web browser to do so, if your browser so permits. Please understand that if cookies are turned off, you may not be able to view certain parts of this site that may enhance your visit. Some of our business partners whose content is linked to or from this site may also use cookies or web beacons. However, we have no access to or control over these cookies.

### **Your Rights**

In case you wish to know what personal data we hold about you or you wish to replenish, rectify, anonymize or delete any incomplete, incorrect or outdated personal data, or you wish us to cease processing your personal data for the purpose of sending promotional materials or direct marketing or for the performance of market research or on other compelling legal grounds, you may, as appropriate and in accordance with applicable law, exercise such rights by contacting us through the contact points referred to below. In some cases, especially if you wish us to delete or cease the processing of your personal data, this may also mean that we may not be able to continue to provide the services to you. We encourage you to use available profile management tools for the above purposes as such tools often provide you with direct access to your personal data and allow you to effectively manage it.

Please note that Nokia may need to identify you and to ask for additional information in order to be able to fulfill your above request. Please also note that

applicable law may contain restrictions and other provisions that relate to your above rights.

### **The Controller of Your Personal Data and Contact Details**

Nokia Corporation of Keilalahdentie 4, 02150 Espoo, Finland shall be the controller of your personal data.

In addition, the Nokia affiliate providing the product or service may be a controller of your personal data. You may find the identity of the controller and its contact details by reviewing the terms and conditions of such a product or service or by using contact information provided in the applicable Nokia websites. In matters pertaining to Nokia's privacy practices you may also contact us at:

Nokia Corporation  
c/o Privacy  
Keilalahdentie 4  
02150 Espoo  
Finland

### **Changes to This Privacy Policy**

Nokia may from time to time change this Privacy Policy or change, modify or withdraw access to this site at any time with or without notice. However, if this Privacy Policy is changed in a material, adverse way, Nokia will post a notice advising of such change at the beginning of this Policy and on this site's home page for 30 days. We will assume you have accepted any such change after the expiry of this 30 day period or if you continue to use this site after such changes have been posted and before such period has expired. If you do not accept any such changes, please contact us by using the contact details above and ask us to stop using your

personal data. We recommend that you re-visit this Privacy Policy from time to time to learn of any such changes to this Privacy Policy.

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