

Nokia 5250 User Guide

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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.

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 GSM/EDGE 850/900/1800/1900 MHz. 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.

Find help

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** 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.

Support

When you want to learn more about how to use your product or you are unsure how your phone should function, read the user guide in your phone. Select **Menu > Help**.

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

- Reboot your phone. Switch off the phone, and remove the battery. After about a minute, replace the battery, and switch on the phone.
- Update your phone software
- Restore the original factory settings

If your issue remains unsolved, contact Nokia for repair options. Go to www.nokia.com.hk/repair. Before sending your phone for repair, always back up your data.

Software updates over the air

Select **Menu > Applications > SW update**.

With Software update (network service), you can check if there are updates available for your device software or applications, and download them to your device.

Downloading software updates may involve the transmission of large amounts of data (network service).

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

**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.

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

To download the available updates, select . To unmark specific updates that you do not want to download, select the updates from the list.

To view information on an update, select the update and .

To view the status of previous updates, select .

Select **Options** and from the following:

Update via PC — Update your device using a PC. This option replaces the Start update option when updates are only available using the Nokia Software Updater PC application.

View update history — View the status of previous updates.

Settings — Change the settings, such as the default access point used for downloading updates.

Disclaimer — View the Nokia licence agreement.

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.

Settings

Your device normally has MMS, GPRS, streaming, and mobile internet settings automatically configured in the device, based on your network service provider information. You may have settings from your service providers already installed in your device, or you may receive or request the settings from the network service providers as a special message.

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.

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.

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 connectivity, or allowing such features to run in the background while using other features, increase the demand on battery power. Deactivate Bluetooth connectivity when you do not need it.
- If you have selected **Packet data connection > When available** in the 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 **Packet data connection > When needed**.

- 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.
- The backlight of the display increases the demand on battery power. In the display settings, you can adjust the display brightness and change the time-out period after which the backlight is switched off. Select **Menu > Settings and Phone > Display > Brightness or Light time-out**.
- Leaving applications running in the background increases the demand on battery power. To access the applications you are not using, press and hold the menu key, and select an application.

Free memory

To view how much space is available for different data types, select **Menu > Applications > Office > File mgr..**

Many features of the device use memory to store data. The device notifies you if the memory in different memory locations is low.

To remove data you no longer need, use File manager or open the respective application. You can remove the following:

- Messages in the folders in Messaging and retrieved e-mail messages in the mailbox
- Saved web pages
- Contact information
- Calendar notes
- Applications shown in Application manager that you do not need
- Installation files (.sis or .sisx) of applications you have installed. Transfer the installation files to a compatible computer.
- Images and video clips in Gallery. Back up the files to a compatible computer.

Get started

Insert the SIM card and battery



Important: To prevent damage to the SIM card, always remove the battery before you insert or remove the card.

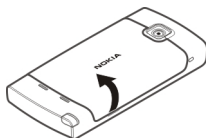


Important: Do not use a mini-UICC SIM card, also known as a micro-SIM card, a micro-SIM card with an adapter, or a SIM card that has a mini-UICC cutout (see figure)

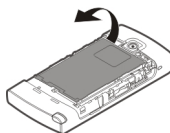
in this device. A micro SIM card is smaller than the standard SIM card. This device does not support the use of micro-SIM cards and use of incompatible SIM cards may damage the card or the device, and may corrupt data stored on the card.



- 1 Remove the back cover.

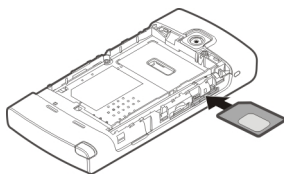


- 2 If the battery is inserted, remove the battery.

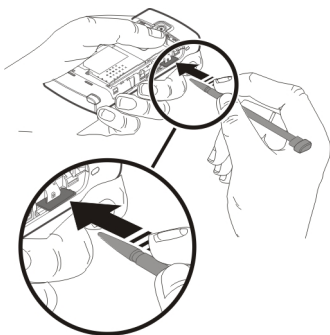


Safe removal. Always switch the device off and disconnect the charger before removing the battery.

- 3 Insert the SIM card. Make sure the contact area of the card is facing up.

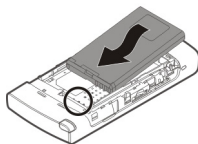


- 4 Use the stylus to push the card in properly. It should align with the image in the battery compartment area.

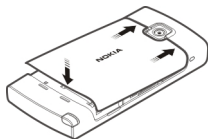


If the SIM card is not properly in place, the device can only be used in the offline profile.

- 5 Replace the battery.



- 6 To replace the back cover, direct the top locking catches toward their slots, and press down until the cover locks into place.

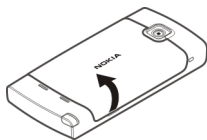


Insert the memory card

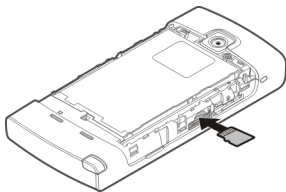
Use only compatible microSD and microSDHC cards approved by Nokia for use with this device. Nokia uses approved industry standards for memory cards, but some brands may not be fully compatible with this device. Incompatible cards may damage the card and the device and corrupt data stored on the card.



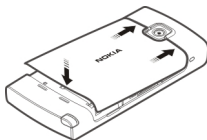
- 1 Remove the back cover.



- 2 Insert a compatible memory card in the memory card slot. Make sure the contact area of the card is facing up. Push the card in, until you hear a click.



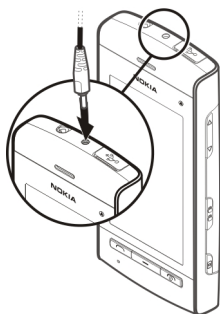
- 3 Replace the back cover.



Charge the battery

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

- 1 Connect the charger to a wall outlet.
- 2 Connect the charger to the device.

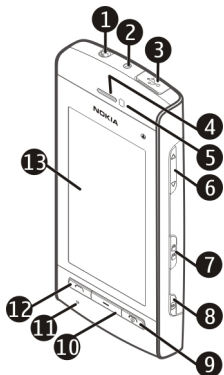


- 3 When the device indicates a full charge, disconnect the charger from the device, then from the wall outlet.

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

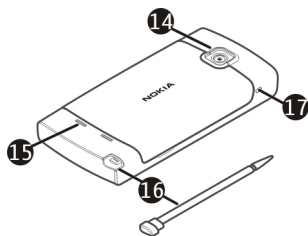
Tip: Disconnect the charger from the wall outlet when the charger is not in use. A charger that is connected to the outlet consumes power even when it is not connected to the device.

Keys and parts

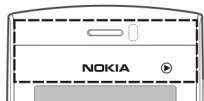


16 Get started

- 1 Nokia AV connector (3.5 mm)
- 2 Charger connector
- 3 Micro USB connector
- 4 Earpiece
- 5 Proximity sensor
- 6 Volume/Zoom key
- 7 Lock switch
- 8 Camera key
- 9 End/Power key
- 10 Menu key
- 11 Microphone
- 12 Call key
- 13 Touch screen

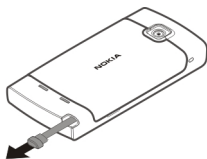


- 14 Camera lens
- 15 Loudspeaker
- 16 Stylus
- 17 Wrist strap hole



Do not cover the area above the touch screen, for example, with protective film or tape.

Stylus



Some functions, such as handwriting recognition, are designed to be used with a stylus. The pen stylus is located in the back cover of the device.



Important: Use only a stylus approved by Nokia for use with this device. Using any other stylus may invalidate any warranty applying to the device and may damage the touch screen. Avoid scratching the touch screen. Never use an actual pen or pencil or other sharp objects to write on the touch screen.

Switch the device on or off

Switch the device on

- 1 Press and hold the power key.



- 2 If prompted, enter a PIN code (provided by your network service provider, for example, 1234) or lock code, 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.

Switch the device off

Press and hold the power key.

Lock the keys and touch screen

To lock or unlock the touch screen and the keys, slide the lock switch on the side of the device.

When the touch screen and keys are locked, the touch screen is switched off and the keys are inactive.

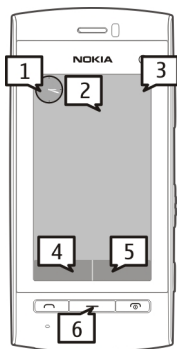
The screen and keys may be locked automatically after a period of inactivity.

To change settings for automatic screen and key locking, select **Menu** > **Settings** and **Phone** > **Phone mgmt.** > **Auto. keyguard** > **Keypad autolock period**.

Home screen

The home screen is your starting point where you can collect all your important contacts or application shortcuts.

Interactive display elements




To open the clock application, select the clock (1).

To open the calendar, or to change the profile, select the date or the profile name (2).


To view or modify connectivity settings (\Rightarrow), or to view missed events, select the top right corner (3).

To make a phone call, select **Telephone** or  (4).

To open the contacts list, select **Contacts** or  (5).

To open the main menu, press the menu key (6).

Start using the contacts bar

To start using the contacts bar, and to add your contacts to the home screen, select  > **Options** > **New contact**, and follow the instructions.

Change the home screen theme or shortcuts

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

Music keys

When music or the radio is playing in the background, music keys (play/pause, skip backward, and skip forward) are displayed in the home screen.

Access the menu

To access the menu, press the menu key.

To open an application or folder in the menu, select the item.

Touch screen actions

Tap and double-tap

To open an application or other element on the touch screen, you normally tap it with your finger or the stylus. However, to open the following items, you must tap them twice.

- List items in an application, such as the Drafts folder in the folder list in Messaging

Tip: When you open a list view, the first item is already highlighted. To open the highlighted item, tap it once.

- Applications and folders in the menu when using the list view type
- Files in a file list, for example, an image in the images and videos view in Gallery.

If you tap a file or similar item once, it is not opened, it becomes highlighted. To see the options available for the item, select **Options** or, if available, select an icon from a toolbar.

Select

In this user documentation, opening applications or items by tapping them once or twice is called "selecting". If you need to select several items in a sequence, the menu items to select are separated by arrows.

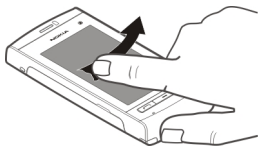
To select **Options** > **Help**, tap **Options**, and then tap **Help**.

Drag

To drag, place your finger or the stylus on the screen, and slide it across the screen.

To scroll up or down on a web page, drag the page with your finger or stylus.

Swipe



To swipe, slide your finger or the stylus quickly left or right on the screen.

When viewing an image, to view the next or previous image, swipe the image left or right, respectively.

Swipe to unlock the touch screen

To unlock the touch screen without answering a call, swipe from right to left. The ringing tone is muted automatically. To answer the call, press the call key, or to reject the call, press the end key.

Swipe to answer a call

To answer an incoming call, swipe from left to right.

Swipe to stop an alarm

To stop a sounding alarm, swipe from left to right. To snooze the alarm, swipe from right to left.

Scroll

To scroll up or down in lists that have a scroll bar, drag the slider of the scroll bar.

In some list views, you can scroll by placing your finger or stylus on a list item and dragging up or down.

To scroll through contacts, place your finger or stylus on a contact, and drag up or down.

Tip: To view a brief description of an icon, place your finger or stylus on the icon. Descriptions are not available for all icons.

Touch screen backlight

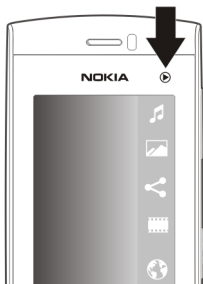
The touch screen backlight is turned off after a period of inactivity.

To turn the screen backlight on, tap the screen.

If the touch screen and keys are locked, tapping the screen does not turn the screen backlight on.

To unlock the screen and keys, slide the lock switch.

Media key



To open applications such as the music player or browser, select the media key (▶) to open the media bar, and select the application.

Tip: Hold your finger or the stylus on the icon to see the name of the application. To open the application, raise your finger or the stylus. Otherwise, slide your finger or the stylus away from the icon.


Change the ringing tone

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

You can use profiles to set and customise the ringing tones, message alert tones, and other tones for different events, environments, or caller groups.

To personalise a profile, go to the profile, and select **Options > Personalise**.

Visit Ovi by Nokia

 With Ovi by Nokia, you can find new places and services, and stay in touch with your friends. You can do, for example, the following:

- Create a mail account
- Plan trips and view locations on a map
- Download games, applications, videos, and ringing tones to your device
- Purchase music


Some downloadable items are free of charge, others you may need to pay for.

The available services may vary by country or region, and not all languages are supported.

To access Nokia's Ovi services, go to www.ovi.com, and register your own Nokia account.

For more information, go to www.ovi.com/support.

About Ovi Store

 With Ovi Store, you can download mobile games, applications, videos, pictures, themes, and ringing tones to your device. Some items are free of charge; others you need to pay for with your credit card or in your phone bill. The availability of payment methods depends on your country of residence and your network service provider. Ovi Store offers content that is compatible with your mobile device and relevant to your tastes and location.

Your device

Phone setup

When you switch on your device for the first time, the Phone setup application is displayed.

To access the Phone setup application later, select **Menu > Applications > Phone setup**.

To set up the device connections, select **Sett. wizard**.

To transfer data to your device from a compatible Nokia device, select **Switch**.

The available options may vary.

Transfer content for the first time

- 1 Select **Menu > Applications > Switch**.
- 2 Select the connection type you want to use to transfer the data, and connect the devices. Both devices must support the selected connection type.
If you select Bluetooth connectivity as the connection type, you may need to pair the devices.
- 3 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.

Display indicators



The device is being used in a GSM network (network service).



You have one or more unread messages in the Inbox folder in Messaging.



You have received new e-mail in the remote mailbox.



There are messages waiting to be sent in the Outbox folder.



You have missed calls.



The ringing type is set to Silent.



A timed profile is active.



The touch screen and keys are locked.



A clock alarm is active.



All calls to the device are diverted to another number (network service).



A compatible headset is connected to the device.



A data call is active (network service).



A GPRS packet data connection is active (network service). indicates that the connection is on hold and that a connection is available.



A packet data connection is active in a part of the network that supports EGPRS (network service). indicates that the connection is on hold and that a connection is available. The icons indicate that EGPRS is available in the network, but your device is not necessarily using an EGPRS connection to transfer data.



Bluetooth connectivity is on.



Data is being transmitted using Bluetooth connectivity. When the indicator is blinking, your device is trying to connect with another device.




A USB connection is active.





Synchronisation is in progress.



Contacts bar


To add a contact to the home screen, in the home screen, select  > **Options** > **New contact**, and follow the instructions.

To communicate with a contact, select the contact and from the following:

 — Call the contact.

 — Send a message to the contact.

 — Add a link to an Ovi contact. If you want to chat to an Ovi contact, select the contact. The icon changes to . To start chatting, select the icon.

 — Refresh the contact's web feeds.


To view past communication events with a contact, select the contact. To view the details of a communication event, select the event.

To close the view, select **Options** > **Exit**.

Find an item with adaptive search

Adaptive search makes the characters, letters, numbers, and input symbols of the entries in your device available for searching.

To turn adaptive search on or off, select **Menu** > **Settings and Phone** > **Touch input** > **Adaptive search**.

To use adaptive search when a search field is available, tap the search field, and select the character, letter, number, or symbol of the entry you are searching for. To view more characters, letters, numbers, or symbols, tap .

To change the input method for adaptive search under the current writing language, select **Menu** > **Settings and Phone** > **Touch input** > **Chinese find method**.

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.



Cellular antenna



Bluetooth antenna

Offline profile

The offline profile lets you use the device without connecting to the wireless cellular network. When the offline profile is active, you can use your device without a SIM card.

Activate the offline profile

Press the power key briefly, and select **Offline**.

When you activate the offline profile, the connection to the cellular network is closed. All radio frequency signals to and from the device to the cellular network are prevented. If you try to send messages using the cellular network, they are placed in the Outbox folder to be sent later.



Important: In the Offline profile you cannot make or receive any calls, or use other features that require cellular network coverage. Calls may still be possible to the official emergency number programmed into your device. To make calls, you must first activate the phone function by changing profiles. If the device has been locked, enter the lock code.

Shortcuts

To switch between open applications, press and hold the menu key.

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

To start a web connection (network service), in the dialler, tap and hold **0**.

To access applications available in the media bar, such as the music player and web browser, in any view, press the media key.

To change the profile, press the power key, and select a profile.

To call your voice mailbox (network service), in the dialler, tap and hold **1**.

To open a list of last dialled numbers, in the home screen, press the call key.

To use voice commands, in the home screen, press and hold the call key.

Volume and loudspeaker control

Adjust the volume of a phone call or sound clip

Use the volume keys.



The built-in loudspeaker allows you to speak and listen from a short distance without having to hold the device to your ear.

Use the loudspeaker during a call

Select **Activate loudsp..**

Turn off the loudspeaker

Select **Activate handset**.



Warning:

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

Sensor settings and display rotation

When you activate the sensors in your device, you can control certain functions by turning the device.

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

Select from the following:

Sensors — Activate the sensors.

Turning control — Select **Silencing calls** and **Snoozing alarms** to mute calls and snooze alarms by turning your device so that the display faces down. Select **Auto-rotate display** to rotate the display content automatically when you turn the device on its left side or back to a vertical position. Some applications and features may not support rotating the display content.

Remote lock

You can lock your device remotely using a predefined text message.

Enable remote locking

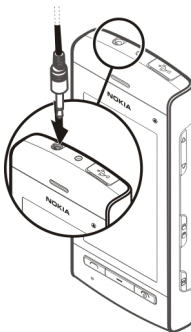
- 1 Select **Menu > Settings and Phone > Phone mgmt. > Security > Phone and SIM card > Remote phone locking > Enabled**.
- 2 Enter the text message content (5-20 characters), verify it, and enter the lock code.

Lock your device remotely

Write the predefined text message, and send it to your device. To unlock your device, you need the lock code.

Headset

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





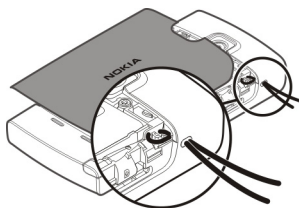
Warning:

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

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

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

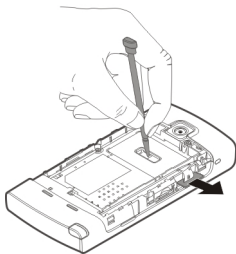
Attach a wrist strap



Tip: You can use the stylus to catch the loop.

Remove the SIM card

- 1 Remove the back cover and the battery, if inserted.
- 2 Place the tip of the stylus in the opening in the battery compartment, and push the SIM card sideways, to slide it out of the slot. Pull the SIM card out.



- 3 Replace the battery and the back cover.

After removing and replacing the battery, you might need to set the time and date again in your device.

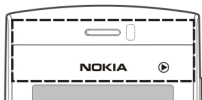
Remove the memory card

- 1 If the device is switched on, before you remove the card, press the power key, and select **Remove memory card**.
- 2 When **Remove memory card? Some applications will be closed.** is displayed, select **Yes**.
- 3 When **Remove memory card and press 'OK'** is displayed, remove the back cover.
- 4 Push the card in, until you hear a click.
- 5 Pull out the memory card. If the device is switched on, select **OK**.

Make calls

Touch screen during calls

Your device has a proximity sensor. To extend battery life and prevent accidental selections, the touch screen is disabled automatically during calls, when you place the device next to your ear.



Do not cover the proximity sensor, for example, with protective film or tape.

Calls

- 1 In the home screen, select **Telephone** to open the dialler, and enter the phone number, including the area code. To remove a number, select **C**.
For international calls, select ***** twice for the + character (which 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**.


Go to the desired name. Or, select the search field, enter the first letters or characters of the name, and go to the name.


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.

During a call

To mute or unmute the microphone, select  or .

To put a call on hold or activate the held call, select  or .

To switch back to the handset, select .

To end the call, select .

To switch between the active and held calls, select **Options** > **Swap**.

Tip: When you have only one active voice call, to put the call on hold, press the call key. To activate the held call, press the call key again.

To send DTMF tone strings (for example, a password), select **Options** > **Send DTMF**.

Enter the DTMF string or search for it in the contacts list.

To enter a wait character (w) or a pause character (p), press * repeatedly.

To send the tone, select **OK**. You can add DTMF tones to the phone number or DTMF field in contact details.

To end an active call and replace it by answering the waiting call, select **Options** > **Replace**.

To end all your calls, select **Options** > **End all calls**.

Many of the options that you can use during a voice call are network services.

Voice mailbox


To call your voice mailbox (network service), in the home screen, select **Telephone**, and select and hold **1**.

- 1 To change the phone number of your voice mailbox, select **Menu** > **Settings** and **Calling** > **Call mailbox**, a mailbox, and **Options** > **Change number**.

- 2 Enter the number (obtained from your network service provider), and select **OK**.

Answer or reject a call

To answer a call, press the call key.

To mute the ringing tone of an incoming call, select .

To answer the call when the touch screen is locked, swipe **Answer** from left to right.

You can send a text message without rejecting the call, informing the caller that you cannot answer the call. To send the reply message, select **Send msg.**, edit the message text, and press the call key.


If you do not want to answer a call, press the end key. If you activate the **Call divert > Voice calls > If busy** function in phone settings to divert calls, rejecting an incoming call also diverts the call.

To unlock the touch screen, swipe **Unlock** from right to left, and answer or reject the call.

To activate the text message option and write a standard reply message, select **Menu > Settings and Calling > Call > Reject call with message**, and **Message text**.


Make a conference call

Your device supports conference calls between a maximum of six participants, including yourself.



- 1 Make a call to the first participant.
- 2 To make a call to another participant, select **Options > New call**. The first call is put on hold.
- 3 When the new call is answered, to join the first participant in the conference call, select .

To add a new person to the call, make a call to another participant, and add the new call to the conference call.

To have a private conversation with one of the participants, select .

Go to the participant, and select . The conference call is put on hold on your device. The other participants can still continue the conference call.

To return to the conference call, select . If there are more than three participants in the conference call, select **Options > Add to conference** to finish the private conversation.

To drop a participant, select , go to the participant, and select .

- 4 To end the active conference call, press the end key.

Speed dial a phone number

To activate speed dialling, select **Menu > Settings and Calling > Call > Speed dialling**.

- 1 To assign a phone number to one of the number keys, select **Menu > Settings and Calling > Speed dialling**.
- 2 Go to the key to which you want to assign the phone number, and select **Options > Assign**.
1 is reserved for the voice mailbox.

To call in the home screen, select **Telephone** and the assigned key, and press the call key.

To call in the home screen when speed dialling is active, select **Telephone**, and select and hold the assigned key.

Call waiting

You can answer a call when you have another call in progress.


To activate call waiting (network service), select **Menu > Settings and Calling > Call > Call waiting**.

- 1 To answer the waiting call, press the call key. The first call is put on hold.
- 2 To switch between the two calls, select **Options > Swap**.
- 3 To end the active call, press the end key.
- 4 To end both calls, select **Options > End all calls**.

Voice dialling

Your device automatically creates a voice tag for the contacts. To listen to the synthesised voice tag, select a contact and **Options > Voice tag details**. Scroll to a contact detail, and select **Options > Play voice tag**.

Make a call with a voice tag

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

When you use voice dialling, the loudspeaker is in use. Hold the device at a short distance away when you say the voice tag.

- 1 To start voice dialling, in the home screen, press and hold the call key. If a compatible headset with the headset key is attached, press and hold the headset key to start voice dialling.
- 2 A short tone sounds, and **Speak now** is displayed. Say clearly the name that is saved for the contact.
- 3 The device plays a synthesised voice tag for the recognised contact in the selected device language, and displays the name and number. To cancel the voice dialling, select **Quit**.

If several numbers are saved for a name, you can say also the name and the number type, such as mobile or telephone.

Log

The Log application stores information about the communication history of the device. The device registers missed and received calls only if the network supports these functions, and the device is switched on and within the network service area.


Recent calls


Select **Menu > Log and Recent calls**.


To view missed, received, and dialled calls, select **Missed calls**, **Received calls** or **Dialled numbers**.

Tip: To open the dialled numbers list in the home screen, press the call key.

On the toolbar, select from the following:

 **Call** — Call the desired contact.

 **Create message** — Send a message to the desired contact.

 **Open Contacts** — Open the contacts list.

Select **Options** and from the following:

Save to Contacts — Save the highlighted phone number from a recent calls list to your contacts.

Clear list — Clear the selected recent calls list.

Delete — Clear a highlighted event in the selected list.

Settings — Select **Log duration** and the length of time that the communication information is saved in the log. If you select **No log**, no information is saved in the log.

Packet data

Select **Menu** > **Log**.

You may be charged for your packet data connections by the amount of data sent and received.

To check the amount of data sent or received during packet data connections, select **Data counter** > **All sent data** or **All received data**.

To clear both sent and received information, select **Options** > **Clear counters**. You need the lock code to clear the information.




Call duration

Select **Menu** > **Log**.

To view the approximate duration of your last call, and dialled and received calls, select **Call duration**.

Monitor all communication events

Select **Menu** > **Log**.

To open the general log where you can monitor all voice calls, text messages, or data connections registered by the device, select the general log tab   .

Subevents, such as a text message sent in more than one part and packet data connections, are logged as one communication event. Connections to your mailbox, multimedia message centre, or web pages are shown as packet data connections.

To view how much data was transferred and how long a certain packet data connection lasted, scroll to an incoming or outgoing event indicated by **GPRS**, and select **Options** > **View**.

To copy a phone number from the log to the clipboard, and paste it into a text message, for example, select **Options** > **Use number** > **Copy**.

To filter the log, select **Options** > **Filter** and a filter.

To set the log duration, select **Options** > **Settings** > **Log duration**. If you select **No log**, all the log contents, recent calls register, and messaging delivery reports are permanently deleted.

Write text


You can enter letters, numbers, and special characters in several different ways. The on-screen keyboards allow you to enter characters by tapping them with your fingers or the stylus. Handwriting recognition allows you to write characters directly onto the screen using the stylus as a pen. Handwriting recognition may not be available for all languages.

Tap any text input field to enter letters, numbers, and special characters.

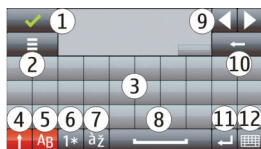
Your device can complete words based on the built-in dictionary for the selected text input language. The device also learns new words from your input.

Virtual keyboard

You can use the virtual keyboard in landscape mode.

To activate the virtual keyboard, select  > **Full screen QWERTY**.

When using the virtual keyboard in full screen mode, you can select keys with your fingers.




- 1 Close - Close the virtual keyboard.
- 2 Input menu - Open the touch input options menu to access commands such as **Writing language**.
- 3 Virtual keyboard
- 4 Shift and caps lock - To enter an uppercase character when writing in lowercase, or vice versa, select the key before entering the character. To activate the caps lock, select the key twice. A line under the key indicates that the caps lock is activated.
- 5 Letters
- 6 Numbers and special characters
- 7 Character accents
- 8 Space bar
- 9 Move - Move the cursor.
- 10 Backspace
- 11 Enter - Move the cursor to the next row or text input field. Additional functions are based on the current context (for example, in the web address field of the web browser, it acts as the Go icon).

12 Input mode - Select the input method. When you tap an item, the current input method view closes, and the selected one opens.


Handwriting

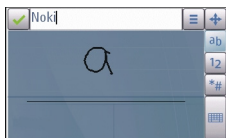
The input methods and languages supported by the handwriting recognition vary by region and may not be available for all languages.


To activate handwriting mode, select  > **Handwriting**.

Write legible, upright characters on the text input area, and leave a space between each character.

To teach the device your handwriting style, select  > **Handwriting training**.

To enter letters and numbers (default mode), write words as you would normally. To select number mode, select . To enter non-Latin characters, select the corresponding icon, if available.



To enter special characters, write them as you would normally, or select  and the desired character.

To delete characters or move the cursor back, swipe backwards (see Figure 1).

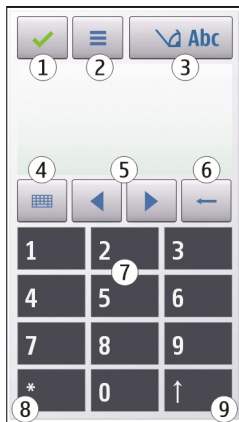
To insert a space, swipe forwards (see Figure 2).



Alphanumeric keypad

Virtual keypad

With the virtual keypad (**Alphanumeric keypad**), you can enter characters like you would with a traditional physical keypad with numbers on the keys.



- 1 Close - Closes the virtual keypad (**Alphanumeric keypad**).
- 2 Input menu - Opens the touch input menu, which includes commands such as **Activate predictive text** and **Writing language**.
- 3 Text input indicator - Opens a pop-up window, in which you can activate or deactivate predictive text input modes, change the character case, and switch between letter and number modes.
- 4 Input mode - Opens a pop-up window, in which you can select the input mode. When you tap an item, the current input method view closes, and the selected one opens. The availability of input modes may vary depending on whether the automatic input mode (sensor settings) is activated or not.
- 5 Arrow keys - Scroll left or right.
- 6 Backspace
- 7 Numbers
- 8 Star - Opens a special characters table.
- 9 Shift - Changes the character case, activates or deactivates predictive text input modes, and switches between letter and number modes.

Traditional text input



Tap a number key (1-9) repeatedly until the desired character appears. There are more characters available for a number key than are visible on the key.

If the next letter is located on the same key as the present one, wait until the cursor appears (or move the cursor forward to end the time-out period), and enter the letter.



To insert a space, tap **0**. To move the cursor to the next line, tap **0** three times.

Predictive text input

With predictive text input, you can enter any word with a single key selection. Predictive text input is based on a built-in dictionary to which you can add new words. Predictive text input is not available for all languages.

- 1 To activate predictive text input for all editors on the device, select  > **Activate prediction**. You can also select  > **Activate predictive text**.
- 2 To write the desired word, use the keys 2-9. Select each key only once for one letter. For example, to write "Nokia" when the English dictionary is selected, select **6** for N, **6** for o, **5** for k, **4** for i, and **2** for a.
The word suggestion changes after each key selection.
- 3 When you finish writing the word correctly, move the cursor right to confirm it, or select **0** to add a space.
If the word is not correct, select ***** repeatedly to view the matching words the dictionary has found one by one.
If the **?** character is displayed after the word, the word is not in the dictionary. To add a word to the dictionary, select **Spell**, enter the word using traditional text input, and select **OK**. The word is added to the dictionary. When the dictionary is full, a new word replaces the oldest added word.
- 4 Start writing the next word.

Switch between text modes

To deactivate predictive text input for all editors in your device, select  > **Deactivate prediction**, or quickly double-tap **#**. Alternatively, you can select  > **Predictive text** > **Off**.

Touch input settings

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

To modify text input settings for the touch screen, select from the following:

Handwriting training — Open the handwriting training application. Train the device to recognise your handwriting better. This option is not available in all languages.

Writing language — Define which language-specific characters in your handwriting are recognised and how the virtual keyboard is laid out.

Writing speed — Select the writing speed.

Pen trail width — Select the pen trail width for the text written with the stylus.


Writing colour — Select the colour of the text written with the stylus.

Adaptive search — Activate adaptive search.



Touch screen calibration — Calibrate the touch screen.

Contacts

You can save and update contact information, such as phone numbers, home addresses, or 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 send text messages or e-mail to many recipients at the same time.

To open the contacts list, in the home screen, depending on the home screen theme, select **Contacts** or .


Save and edit names and numbers


- 1 To add a new contact to the contacts list, select .
- 2 Tap a field to enter the information in the field. To close the text input, select . Fill in the fields that you want, and select **Done**.


To edit contacts, select a contact and **Options** > **Edit**.

Contacts toolbar

On the contacts list toolbar, select from the following:

 **Call** — Call the desired contact.

 **Create message** — Send a message to the desired contact.

 **New contact** — Create a new contact.

Manage names and numbers

To copy or delete a contact, or to send a contact as a business card to another device, tap and hold a contact, and select **Copy**, **Delete**, or **Send business card**.

To delete several contacts at the same time, select **Options** > **Mark/Unmark** to mark the desired contacts, and to delete, select **Options** > **Delete**.

To listen to the voice tag assigned to a contact, select the contact and **Options** > **Voice tag details** > **Options** > **Play voice tag**.

Before using voice tags, note the following:

- Voice tags are not language-dependent. They are dependent on the speaker's voice.
- You must say the name exactly as you said it when you recorded it.
- Voice tags are sensitive to background noise. Record voice tags and use them in a quiet environment.

- Very short names are not accepted. Use long names, and avoid similar names for different numbers.



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

Default numbers and addresses


You can assign default numbers or addresses to a contact. If a contact has several numbers or addresses, you can easily call or send a message to a certain number or address. The default number is also used in voice dialling.

- 1 In the contacts list, select a contact.
- 2 Select **Options** > **Defaults**.
- 3 Select a default to which you want to add a number or an address, and select **Assign**.
- 4 Select a number or an address you want to set as a default.
- 5 To exit the Defaults view and save the changes, tap outside the view.

Ring tones, images, and call text for contacts

You can define a ringing tone for a contact or group, and an image and a call text for a contact. When the contact calls you, the device plays the selected ringing tone and shows the call text or image (if the caller's phone number is sent with the call and your device recognises it).

To define a ringing tone for a contact or a contact group, select the contact or contact group and **Options** > **Ring tone**, and a ringing tone.

To define a call text for a contact, select the contact and **Options** > **Add call alert text**. Tap the text field to enter the call text, and select .

To add an image for a contact saved in the device memory, select the contact, **Options** > **Add image**, and an image from Gallery.


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

To view, change or remove the image from a contact, select the contact, **Options** > **Image**, and the desired option.

Copy contacts

When you open the contacts list for the first time, the device asks if you want to copy names and numbers from the SIM card to your device.

To start copying, select **Yes**.

If you do not want to copy the contacts from the SIM card to your device, select **No**. The device asks if you want to view the SIM card contacts in the contacts directory. To view the contacts, select **Yes**. The contacts list opens, and the names stored on your SIM card are indicated with .

SIM services

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

SIM contacts

To set the names and numbers stored on the SIM card to be shown on the contacts list, select **Options > Settings > Contacts to display > SIM memory**. You can add and edit SIM contacts, or call them.

The numbers you save in the contacts list may not be automatically saved to your SIM card. To save numbers to the SIM card, select a contact and **Options > Copy > SIM memory**.

To select whether the new contacts you enter are saved to your device or your SIM card, select **Options > Settings > Default saving memory > Phone memory or SIM memory**.

Fixed dialling

Select **Menu > Contacts and Options > SIM numbers > Fixed dial contacts**.

With the fixed dialling service, you can restrict calls from your device to certain phone numbers. Not all SIM cards support the fixed dialling service. For more information, contact your service provider.

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

You need your PIN2 code to activate and deactivate fixed dialling or edit your fixed dialling contacts. Contact your service provider for your PIN2 code.

Select **Options** and from the following:

Activate fixed dialling — Activate the fixed dialling.

Deactivate fixed dialling — Deactivate the fixed dialling.

New SIM contact — Enter the contact name and phone number to which calls are allowed.

Add from Contacts — Copy a contact from the list of contacts to the fixed dialling list.

To send text messages to the SIM contacts while the fixed dialling service is active, you need to add the text message centre number to the fixed dialling list.

Messaging

Messaging main view

Select **Menu** > **Messaging** (network service).

Using some of the services or downloading content may cause transfer of large amounts of data, which may result in data traffic costs.


Create a new message


Select **New message**.


Tip: To avoid rewriting messages that you send often, use saved messages in the Templates folder in My folders. You can also create and save your own templates.


Messaging contains the following folders:


 **Inbox** — Received messages, except e-mail and cell broadcast messages.


 **My folders** — Organise your messages into folders.

 **Mailbox** — Connect to your remote mailbox to retrieve your new e-mail messages, or view your previously retrieved e-mail messages offline.

 **Drafts** — Draft messages that have not been sent.

 **Sent** — The last messages that have been sent, excluding messages sent using Bluetooth connectivity. You can define the number of messages that can be saved in this folder.

 **Outbox** — Messages waiting to be sent are temporarily stored in the Outbox folder, for example, when your device is outside network coverage.

 **Delivery reports** — Request the network to send you a delivery report of the text messages and multimedia messages you have sent (network service).

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 a mail, you must have the correct connection settings defined.

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.

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

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

Messaging requires network services.

Send a text or multimedia message

Select **New message**.

Send an audio or mail message

Select **Options** > **Create message**, and the relevant option.

Select recipients or groups from the contacts list

Select  from the toolbar.

Enter the number or mail address manually

Tap the **To** field.

Enter the subject of the mail or multimedia message

Enter it in the Subject field, . If the Subject field is not visible, select **Options** > **Message header fields** to change the fields that are visible.

Write the message


Tap the message field.

Add an object to a message or mail

Select  and the relevant type of content.

The message type may change to multimedia message based on the inserted content.





Send the message or mail


Select , or press the call key.

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.

Messaging inbox**Receive messages**

Select **Menu > Messaging and Inbox**.




In the Inbox folder,  indicates an unread text message,  an unread multimedia message,  an unread audio message, and  data received through Bluetooth connectivity.

When you receive a message,  and **1 new message** are displayed in the home screen. To open the message, select **Show**. To open a message in the Inbox folder, select the message. To reply to a received message, select **Options > Reply**.


Multimedia messages

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

You may receive a notification that a multimedia message is waiting in the multimedia message centre. To start a packet data connection to retrieve the message to your device, select **Options > Retrieve**.

When you open a multimedia message () , you may see an image and a message.  is shown if sound is included, or  if video is included. To play the sound or the video, select the indicator.

To see the media objects that have been included in the multimedia message, select **Options > Objects**.

If the message includes a multimedia presentation,  is displayed. To play the presentation, select the indicator.

Data, settings, and web service messages

Your device can receive many kinds of messages that contain data, such as business cards, ringing tones, operator logos, calendar entries, and e-mail notifications. You may also receive settings from your service provider in a configuration message.

To save the data from the message, select **Options** and the corresponding option.

Web service messages are notifications (for example, news headlines) and may contain a text message or a link. For availability and subscription, contact your service provider.

Set up e-mail

To set up e-mail, select **Menu > Messaging and Mailbox**.

You can set up several e-mail accounts, for example, a personal e-mail account and a corporate e-mail account.

To set up e-mail from your home screen, select the relevant plug-in. Alternatively, to set up an e-mail account, select **Menu > Applications > Sett. wizard**.

E-mail service

The e-mail service on your Nokia device automatically transfers e-mail from your existing e-mail address to your device. You can read, respond to, and organise your e-mails on the go. The service works with a number of internet e-mail providers that are often used for personal e-mail. Data charges may be applicable when using the service. For information on possible costs, contact your service provider

Set up e-mail on your Nokia device

- 1 Select **Menu > Applications > Sett. wizard**.
- 2 When the Settings wizard is opened for the first time, you are asked to define the e-mail settings after the service provider settings. If you have used the Settings wizard before, select **E-mail setup**.
- 3 Accept the terms and conditions to activate the e-mail service.

For more information, see nokia.com/messaging.

Mailbox

Define e-mail settings

Select **Menu > Messaging and Mailbox**.

To use e-mail, you must have defined a valid internet access point (IAP) in the device and have defined your e-mail settings correctly.

You must have a separate e-mail account. Follow the instructions given by your remote mailbox and internet service provider (ISP).

If you select **Messaging > Mailbox** and have not set up your e-mail account, you are prompted to do so. To start creating the e-mail settings with the mailbox guide, select **Start**.

When you create a new mailbox, the name you give to the mailbox replaces Mailbox in the Messaging main view. You can have up to six mailboxes.

Open the mailbox

Select **Menu > Messaging** and a mailbox.

When you open the mailbox, the device asks if you want to connect to the mailbox.

To connect to your mailbox and retrieve new e-mail headers or messages, select **Yes**. When you view messages online, you are continuously connected to a remote mailbox using a data connection.

To view previously retrieved e-mail messages offline, select **No**.

To create a new e-mail message, select **Options > Create message > E-mail**.

When you are online, to end the data connection to the remote mailbox, select **Options > Disconnect**

Retrieve e-mail messages


Select **Menu > Messaging** and a mailbox.

If you are offline, select **Options > Connect** to open a connection to the remote mailbox.



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

- 1 When you have an open connection to a remote mailbox, select **Options > Retrieve e-mail > New** to retrieve all new messages, **Selected** to retrieve only selected messages, or **All** to retrieve all messages from the mailbox.
To stop retrieving messages, select **Cancel**.
- 2 To close the connection and view the e-mail messages offline, select **Options > Disconnect**.
- 3 To open an e-mail message, select the message. If the e-mail message has not been retrieved and you are offline, you are asked if you want to retrieve this message from the mailbox.

To view e-mail attachments, open the message, and select the attachment field indicated by . If the attachment has not been retrieved to the device, select **Options > Retrieve**.

To retrieve e-mail messages automatically, select **Options > E-mail settings > Automatic retrieval**.

Setting the device to retrieve e-mail automatically may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.


Delete e-mail messages

Select **Menu > Messaging** and a mailbox.

To delete the contents of an e-mail message from the device while still retaining it in the remote mailbox, select **Options > Delete > Phone only**.

The device mirrors the e-mail headers in the remote mailbox. Although you delete the message content, the e-mail header stays in your device. If you want to remove the header as well, you must be connected to the server when deleting the message from your device and the remote mailbox. If there is no connection to the server, the header is deleted when you make a connection from your device to the remote mailbox again to update the status.

To delete an e-mail from the device and the remote mailbox, select **Options > Delete > Phone and server**.

To cancel deleting an e-mail that has been marked to be deleted from the device and server during the next connection () , select **Options > Restore**.

Disconnect from the mailbox

When you are online, to end the data connection to the remote mailbox, select **Options > Disconnect**.

Mail for Exchange

With Mail for Exchange, you can receive your work e-mail to your device. You can read and reply to your e-mails, view and edit compatible attachments, view calendar information, receive and reply to meeting requests, schedule meetings, and view, add, and edit contact information.

Mail for Exchange

Use of the Mail for Exchange application is limited to over-the-air synchronisation of PIM information between the Nokia device and the authorised Microsoft Exchange server.

Mail for Exchange can be set up only if your company has Microsoft Exchange Server. In addition, your company's IT administrator must have activated Mail for Exchange for your account.

Before starting to set up Mail for Exchange, ensure that you have the following:

- A corporate e-mail ID
- Your office network user name
- Your office network password
- Your network domain name (contact your company's IT department)
- Your Mail for Exchange server name (contact your company's IT department)

Depending on your company's Mail for Exchange server configuration, you may need to enter other information in addition to those listed. If you do not know the correct information, contact your company's IT department.

With Mail for Exchange, the use of the lock code may be mandatory. The default lock code of your device is 12345, but your company's IT administrator may have set a different one for you to use.

You can access and modify the Mail for Exchange profile and settings in the Messaging settings.

View messages on a SIM card

Select **Menu > Messaging and Options > SIM messages**.

Before you can view SIM messages, you must copy them to a folder in your device.

- 1 Select **Options > Mark/Unmark > Mark** or **Mark all** to mark messages.
- 2 Select **Options > Copy**. A list of folders opens.
- 3 To start copying, select a folder. To view the messages, open the folder.

Cell broadcast messages

Select **Menu > Messaging and Options > Cell broadcast**.

Cell broadcast (network service) allows you to receive messages on various topics, such as weather or traffic conditions, from your service provider. For available topics and relevant topic numbers, contact your service provider. This service may not be available for all regions.

Service commands

Select **Menu > Messaging and Options > Service commands**.

With service commands (network service) you can enter and send service requests (also known as USSD commands), such as activation commands for network services, to your service provider. This service may not be available for all regions.

Messaging settings

The settings may be preconfigured in your device, or you may receive them in a message. To enter settings manually, fill in all fields marked with **Must be defined** or an asterisk.

Some or all message centres or 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.

Text message settings

Select **Menu > Messaging and Options > Settings > Text message**.

Select from the following:

Message centres — View a list of all text message centres that have been defined.

Message centre in use — Select which message centre to use to deliver text messages.

Character encoding — To use character conversion to another encoding system when available, select **Reduced support**.

Receive report — Select whether the network sends delivery reports on your messages (network service).

Message validity — Select how long the message centre resends your message if the first attempt fails (network service). If the message cannot be sent within the validity period, the message is deleted from the message centre.

Message sent as — To learn if your message centre is able to convert text messages into these other formats, contact your service provider.

Preferred connection — Select the connection to use.

Reply via same centre — Select whether you want the reply message to be sent using the same text message centre number (network service).

Multimedia message settings

Select **Menu > Messaging and Options > Settings > Multimedia message**.

Select from the following:

Image size — Define the size of the image in a multimedia message.

MMS creation mode — If you select **Guided**, the device informs you if you try to send a message that may not be supported by the recipient. If you select **Restricted**, the

device prevents you from sending messages that may not be supported. To include content in your messages without notifications, select **Free**.

Access point in use — Select which access point is used as the preferred connection.

Multimedia retrieval — Select how you want to receive messages, if available. To receive messages automatically in your home network, select **Auto in home netw..** Outside your home network, you receive a notification that there is a message to retrieve in the multimedia message centre. If you select **Always automatic**, your device automatically makes an active packet data connection to retrieve the message both in and outside your home network. Select **Manual** to retrieve multimedia messages from the message centre manually, or **Off** to prevent receipt of any multimedia messages. Automatic retrieval may not be supported in all regions.

Allow anonymous msg. — Reject messages from anonymous senders.

Receive adverts — Receive multimedia message advertisements (network service).

Receive reports — Display the status of sent messages in the log (network service).

Deny report sending — Prevent your device from sending delivery reports of received messages.

Message validity — Select for how long the message centre resends your message if the first attempt fails (network service). If the message cannot be sent within this time period, the message is deleted from the message centre.

The device requires network support to indicate that a sent message has been received or read. Depending on the network and other circumstances, this information may not always be reliable.

E-mail settings

Manage mailboxes

Select **Menu > Messaging and Options > Settings > E-mail**.

To select which mailbox you want to use to send and receive e-mail, select **Mailbox in use** and a mailbox.


To remove a mailbox and its messages from your device, select **Mailboxes**, tap the mailbox to be removed if it is not already highlighted, and select **Options > Delete**.

To create a new mailbox, select **Mailboxes > Options > New mailbox**. The name you give to the new mailbox replaces Mailbox in the Messaging main view. You can have up to six mailboxes.

Select **Mailboxes** and a mailbox to change the connection settings, user settings, retrieval settings, and automatic retrieval settings.

Ovi Contacts

About Ovi Contacts

 With Ovi Contacts, you can stay connected to your friends and family, and discover new friends in the Ovi community. You can share your location with your friends, and follow what they are up to. You can also back up contacts from your device to Ovi.

To use Ovi Contacts, go to www.ovi.com.

Start using Ovi Contacts

Select **Contacts**, and open the Ovi tab.

The Ovi Contacts service is part of Ovi, and uses the same account information.

If you are new to Ovi and its services, to start using the Ovi Contacts application, you must register to Ovi by creating a Nokia account.

Create a Nokia account

- 1 Select **Ovi Chat**, and when prompted, connect to the internet.
- 2 Enter the required information.
- 3 In the My profile view, enter your profile information. Your first and last name are mandatory details.
- 4 Select **Done**.

If you have already registered to Ovi using your PC or mobile device, you can start using Ovi Contacts with the same account details.

Sign in to Ovi Contacts and activate the service

Select **Ovi Chat**, and enter your user name and password.

If you have not yet provided your profile information for Ovi Contacts, do so, and select **Done**. Your first and last name are mandatory details.

Connect to the service

Select **Menu** > **Contacts**, and open the Ovi tab.

Connect to Ovi Contacts

Select **Go online** and the connection method.

Cancel the connection

Select **Options** > **Cancel connecting**.

A packet data connection may generate additional data transmission charges. For pricing details, contact your network service provider.

Select **Go online** > **Options** and from the following:

Select — Select the item.

Go online — Connect to the service if you are offline.

My profile — Edit your profile information.

Recommend to friend — Invite a contact to join Ovi Contacts. The invitation is sent as a text message.

Settings — Modify the Ovi Contacts settings.

The available options may vary.

Create and edit your profile

Edit your profile information

Select **My profile**.

View the profiles of your Ovi Contacts friends

Select a friend and **Options** > **Profile**.

Your profile information is visible to your Ovi Contacts friends. Only the following profile details are displayed to other Ovi Contacts users, for example during a search: first name and last name. To change your privacy settings, access Ovi on your PC, and sign in to your Nokia account.

Change your profile image

Select the profile image, **Select existing image**, and the new image. You can also edit or remove the current profile image or capture a new one.

Change your availability

By default, your availability is set to **Available**. To change your availability, select the icon.

Tell your friends what you are doing at the moment

Select **What are you doing?**, and enter text in the field.

Show your friends what music you are currently listening to

Select **Now playing**. To do this, you must allow your now playing information to be shared in the presence settings.

Edit your contact information

Select a field, and enter text.

In the My profile view, select **Options** and from the following:

Edit text — Cut, copy, or paste text.

Change — Change your status (when the status field is selected).

Undo changes — Undo the changes you made in the profile view.

The available options may vary.

Find and add friends

Select **Options** > **Invite friend**.

Search for a friend

Enter the name of the friend in the Search friends field, and select the search icon. You cannot search for friends based on their mobile number or e-mail address.

Browse the search results

Select **Next results** or **Previous results**.

Start a new search

Select **New search**.

If the friends you searched for could not be found, they are not registered Ovi members, or they have chosen to be invisible in searches. When prompted, send a text message to your friends to invite them to join Ovi Contacts.

Send an invitation to join Ovi Contacts

Select **Select service**: and the service you know your friend uses. Enter your friend's user name, and select the send icon.

Select **Options** and from the following:

Select — Select an item.

Open — Open an item.

Invite as friend — Send an invitation to the contact.

Show profile — View the profile of the contact.

Renew invitation — Resend an invitation to join Ovi Contacts to a pending friend.

Search — Search for the contact whose name or other related keyword you entered in the Search friends field.

Edit text — Cut, copy, or paste text.

The available options may vary.

Chat with your friends

Start a chat with a friend

Select the friend.

Send a chat message

Enter the text in the message field, and select the send icon.

In the chat view, select **Options** and from the following:

Send — Send the message.

Add smiley — Insert a smiley.

Send my location — Send your location details to your chat partner (if supported by both devices).

Profile — View the details of a friend.

My profile — Select your presence status or profile image, personalise your message, or change your details.

Edit text — Copy or paste text.

End chat — End the active chat.

Exit — End all active chats, and close the application.

The available options may vary.

To receive location information from your friend, you must have the Maps application. To send and receive location information, both the Maps and Positioning applications are needed.

View the location of your friend

Select **Show on map**.

Return to the Ovi Contacts main view without ending the chat

Select **Back**.

Add, call, or copy phone numbers from a chat

Go to a phone number in a chat, and select **Options** and the appropriate option.

Ovi Contacts settings

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

Account — Access your account details, and define your visibility to others in a search.

Personalisation — Modify the settings related to the startup and tones of the Ovi Contacts application, and set your device to automatically accept friend invitations.

Connection — Select the network connection to use, and activate roaming warnings.

Exit — End all active chats, and close the application.

Nokia account settings

Select **Options** > **Settings** > **Account**.

Edit your account details

Select **My account**.

Define your visibility in searches

Select **My account** > **Visibility in search**. You must be online to change your visibility.

Personalisation settings

Select **Options** > **Settings** > **Personalisation**.

Select from the following:

Login on start-up — Sign in automatically to Ovi Contacts when you switch on your mobile device.

Auto-accept friend invit. — Accept friend requests automatically without notification.

Auto-accept voice msgs. — Allow voice message to be accepted automatically.

Message tone — Select a tone for new messages.

Friend online tone — Select the tone that sounds when a friend comes online.

Icon on Home screen — Add the Ovi Contacts shortcut icon to your device home screen.

Connection settings

Select **Options** > **Settings** > **Connection**.

Modify connection settings

Select **Network connection** and the desired connection. To use the default connection defined in your device connection settings, select **Default connection**.

Set the device to notify you when your home network is not available

To receive a warning when your device is trying to connect to another network, select **Roaming warning** > **On**.


Personalise your device

You can personalise your device by changing the home screen, tones, or themes.

Change the look of your device

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

You can use themes to change the look of the display, such as wallpaper and main menu layout.

To change the theme that is used for all the applications in your device, select **General**. To preview a theme before activating it, scroll to the theme, and wait for a few seconds. To activate the theme, select **Options > Set**. The active theme is indicated by .

To change the layout of the main menu, select **Menu**.

To change the look of the home screen, select **Home scr. theme**.

To have a wallpaper image or a slide show of changing images as the background in the home screen, select **Wallpaper > Image or Slide show**.

To change the image displayed in the home screen when a call is received, select **Call image**.


Profiles

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

You can use profiles to set and customise the ringing tones, message alert tones, and other tones for different events, environments, or caller groups. The name of the selected profile is displayed at the top of the home screen. If the General profile is in use, only the date is displayed.

To change a profile, scroll to the profile, and select **Options > Activate**.

To personalise a profile, scroll to the profile, and select **Options > Personalise**. Select the setting you want to change.

To set the profile to be active until a certain time within the next 24 hours, scroll to the profile, select **Options > Timed**, and set the time. When the time expires, the profile changes back to the previously active non-timed profile. When the profile is timed,  is displayed in the home screen. The Offline profile cannot be timed.

To create a new profile, select **Options > Create new**.

Music folder

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.

You can also use Music player to listen to podcasts. Podcasting is a method for delivering audio or video content over the internet using either RSS or Atom technologies for playback on mobile devices and computers.

Play a song or a podcast



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

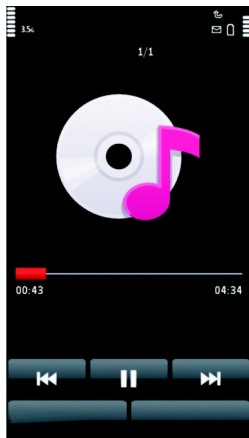
- 1 Select categories to navigate to the song or podcasts you want to hear.
- 2 To play an item, select the item from the list.




You may have to refresh the music and podcast libraries after you have updated the song or podcast selection in your device. To add all available items to the library, select **Options** > **Refresh library**.


Some songs contain lyrics. To display the lyrics, select **Options** > **Show lyrics**.



To pause playback, select ; to resume, select .

To fast-forward or rewind, select and hold  or .



To go to the next item, select . To return to the beginning of the item, select . To skip to the previous item, select  again within 2 seconds after a song or podcast has started.

To activate or deactivate random play () , select **Options > Shuffle play**.

To repeat the current item () , all items () , or to deactivate repeat, select **Options > Repeat**.

If you play podcasts, shuffle and repeat are automatically deactivated.

To adjust the volume, press the volume key.

To modify the tone of the music playback, select **Options > Equaliser**.

To modify the balance and stereo image or to enhance the bass, select **Options > Settings**.

To return to the home screen and leave the player playing in the background, press the end key.

To close the player, select **Options** > **Exit**.

Playlists

Select **Menu** > **Music** > **Music player and Playlists**.

To view details of the playlist, select **Options** > **Playlist details**.

Create a playlist

- 1 Select **Options** > **New playlist**.
- 2 Enter a name for the playlist, and select **OK**.
- 3 To add songs now, select **Yes**; or to add the songs later, select **No**.
- 4 If you select **Yes**, select artists to find the songs you want to add to the playlist. Select **Add** to add items.
To show the song list under an artist title, select **Expand**. To hide the song list, select **Collapse**.
- 5 When you have made your selections, select **Done**.

To add more songs later, when viewing the playlist, select **Options** > **Add songs**.

To add songs, albums, artists, genres, and composers to a playlist from the different views of the music menu, select an item and **Options** > **Add to playlist** > **Saved playlist** or **New playlist**.

To remove a song from a playlist, select **Options** > **Remove**.

This does not delete the song from the device; it only removes it from the playlist.

To reorder songs in a playlist, select the song you want to move and **Options** > **Reorder playlist**.

Move the song to the desired position, and select **Drop**.

To move another song, select the song and **Grab**, move the song to the desired position, and select **Drop**.

To finish reordering the playlist, select **Done**.

Podcasts

Select **Menu** > **Music** > **Music player and Podcasts**.

Podcast episodes have three states: never played, partially played, and completely played. If the state is partially played, the episode plays from the last playback position

the next time it is played. If the state is never played or completely played, the episode plays from the beginning.

Transfer music from a computer

You can use the following methods to transfer music:

- To view your device on a computer as a mass memory device where you can transfer any data files, make the connection with a compatible USB data cable or Bluetooth connectivity. If you are using a USB data cable, select **Mass storage** as the connection mode.
- To synchronise music with Windows Media Player, connect a compatible USB data cable, and select **Media transfer** as the connection mode.

To change the default USB connection mode, select **Menu > Settings and Connectivity > USB > USB connection mode**.

Nokia Podcasting

With the Nokia Podcasting application (network service), you can search, discover, subscribe to, and download podcasts over the air, and play, manage, and share audio and video podcasts with your device.

Podcasting settings

To open Nokia Podcasting, select **Menu > Music > Podcasting**.

Before using Nokia Podcasting, define your connection and download settings.

Check with your service provider for terms and data service fees before using different connection methods. For example, a flat rate data plan can allow large data transfers for one monthly fee.

Connection settings

To edit the connection settings, select **Options > Settings > Connection** and from the following:

Default access point — Select the access point to define your connection to the internet.

Search service URL — Define the podcast search service URL to be used in searches.

Download settings

To edit the download settings, select **Options** > **Settings** > **Download** and from the following:

Save to — Define the location where you want to save your podcasts.

Update interval — Define how often podcasts are updated.

Next update date — Define the date of the next automatic update.

Next update time — Define the time of the next automatic update.

Automatic updates only occur if a specific default access point is selected and Nokia Podcasting is running. If Nokia Podcasting is not running, the automatic updates are not activated.

Download limit (%) — Define the percentage of memory that is reserved for podcast downloads.

If limit exceeds — Define what to do if the downloads exceed the download limit.

Setting the application to retrieve podcasts automatically may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.

To restore the default settings, select **Options** > **Restore default** in the settings view.

Downloads

After you have subscribed to a podcast, from directories, search, or by entering a web address, you can manage, download, and play episodes in Podcasts.

To see the podcasts you have subscribed to, select **Podcasting** > **Podcasts**.

To see individual episode titles (an episode is a particular media file of a podcast), select the podcast title.

To start a download, select the episode title.

To download or to continue to download selected or marked episodes, select **Options** > **Download**. You can download multiple episodes at the same time.

To play a portion of a podcast during download or after partial downloading, select the podcast and **Options** > **Play preview**.

Fully downloaded podcasts can be found in the Podcasts folder, but are not shown until the library is refreshed.

Radio


Listen to the radio

Select **Menu > Music > 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.

When you open the application for the first time, you can choose to have the local stations tuned automatically.

To listen to the next or the previous station, select  or .

To mute the radio, select .

Select **Options** and from the following:

Stations — View saved radio stations.

Tune stations — Search for radio stations.

Save — Save the radio station.

Activate loudspeaker or **Deactivate loudspeaker** — Turn the loudspeaker on or off.

Alternative frequencies — Select whether you want the radio to automatically search for a better RDS frequency for the station if the frequency level becomes low.

Play in background — Return to the home screen with the radio playing in the background.

Manage radio stations

Select **Menu > Music > Radio**.

To listen to saved stations, select **Options > Stations**, and select a station from the list.

To remove or rename a station, select **Options > Stations > Options > Delete or Rename**.

To set the desired frequency manually, select **Options > Tune stations > Options > Manual tuning**.

Camera

Your device supports an image capture resolution of 1600x1200 pixels. The image resolution in this guide may appear different.

Activate the camera

To activate the camera, press the capture key.

Image capture


Still image controls and indicators

The still image viewfinder displays the following:



- 1 Mode indicator
- 2 Zoom slider. To activate or deactivate the zoom slider, tap the screen.
- 3 Capture icon
- 4 Capture settings
- 5 Battery charge level indicator
- 6 Image resolution indicator
- 7 Image counter (the estimated number of images you can capture using the current image quality setting and available memory)
- 8 The location to which the image is saved
- 9 Scene modes








Capture and recording settings

To open the capture and recording settings view before capturing an image or recording a video clip, select **Menu > Applications > Camera** and .

The capture and recording settings view provides you with shortcuts to different items and settings before capturing an image or recording a video clip.

The capture and recording settings return to the default settings after you close the camera.

Select from the following:

-  — Select the scene.
-  or  — Switch between video and image mode.
-  or  — Show or hide the viewfinder grid (images only).
-  — Activate the self-timer (images only).
-  — Activate sequence mode (images only).








 — Open Gallery.

Image settings:

-  — Select a colour effect.
-  — Adjust the white balance. Select the current lighting conditions. This allows the camera to reproduce colours more accurately.
-  — Adjust the exposure compensation (images only). If you are shooting a dark subject against a very light background, such as snow, adjust the exposure to +1 or +2 to compensate for the background brightness. For light subjects against a dark background, use -1 or -2.
-  — Adjust light sensitivity (images only). Increase the light sensitivity in low light conditions to avoid too dark images and blurry images. Increasing the light sensitivity may also increase the image noise.
-  — Adjust contrast (images only). Adjust the difference between the lightest and darkest parts of the image.
-  — Adjust sharpness (images only).

The screen display changes to match the settings you define.

The capture settings are shooting-mode specific. Switching between the modes does not reset the defined settings.

If you select a new scene, the capture settings are replaced by the selected scene. You can change the capture settings after selecting a scene if needed.



Saving the captured image may take longer if you change the zoom, lighting, or colour settings.

Capture images

When capturing an image, note the following:

- Use both hands to keep the camera still.
- The quality of a digitally zoomed image is lower than that of a non-zoomed image.
- The camera goes into battery saving mode if there are no actions for about a minute. To continue capturing images, select **Continue**.

To capture an image, do the following:


- 1 To switch from video mode to image mode, if necessary, select  > .
- 2 To capture an image, press the capture key. Do not move the device before the image is saved and the final image displayed.


To zoom in or out when capturing an image, use the zoom slider.

To leave the camera open in the background and use other applications, press the menu key. To return to the camera, press and hold the capture key.

After capturing an image

After you capture an image, select from the following options (available only if you have selected **Options > Settings > Show captured image > Yes**):

 — Send the image in a multimedia or e-mail message, or through connection methods such as Bluetooth connectivity.

 — Upload the image to a compatible online album.

 **Delete** — Delete the image.

To use the image as wallpaper in the home screen, select **Options > Use image > Set as wallpaper**.

To set the image as a default call image to be used for every call situation, select **Options > Use image > Set as call image**.

To assign the image to a contact, **Options > Use image > Assign to contact**.

To return to the viewfinder to capture a new image, press the capture key.

Scenes

A scene helps you to find the right colour and lighting settings for the current environment. The settings of each scene have been set according to a certain style or environment.



The default scene in image and video modes is **Automatic** (indicated with **A**).

To change the scene, select **A** and a scene.




To make your own scene suitable for a certain environment, select **User defined > Change**. In the user defined scene you can adjust different lighting and colour settings. To copy the settings of another scene, select **Based on scene mode** and the desired scene. To save the changes and return to the scenes list, select **Back**. To activate your own scene, select **User defined > Select**.

You in the image — self-timer

Use the self-timer to delay the capture so that you can include yourself in the image.

To set the self-timer delay, select  >  and the delay needed before the image is captured.


To activate the self-timer, select **Activate**. The stopwatch icon on the screen blinks and the remaining time is displayed when the timer is running. The camera captures the image after the selected delay elapses.

To switch off the self-timer, select  >  > .

Tip: Select **2 seconds** to keep your hand steady when capturing an image.


Capture images in a sequence

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

To start capturing images in a quick sequence, select **Menu** > **Applications** > **Camera** and  > **Sequence**. To close the settings window, tap the screen above the window. Press and hold the capture key. The device captures images until you release the key or until the memory runs out. If you press the capture key briefly, the device captures 18 images in a sequence.




The captured images are displayed in a grid. To view an image, select the image. To return to the sequence mode viewfinder, press the capture key.

You can also use sequence mode with the self-timer.

To deactivate sequence mode, select  > **Single shot**.

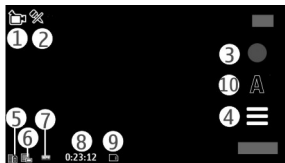
Video recording

Record videos

- 1 To switch from image mode to video mode, if necessary, select  and the video mode .
- 2 To start recording, press the capture key or tap . A red record icon is displayed, and a tone sounds.
- 3 To pause recording at any time, select **Pause**. To resume, select **Continue**. If you pause recording and do not press any key within one minute, the recording stops. To zoom in or out of the subject, use the zoom key in your device.
- 4 To stop recording, press the capture key. The video clip is automatically saved in Gallery. The maximum length of a video clip is approximately 30 seconds with sharing quality and 90 minutes with other quality settings.

Video recording controls and indicators

The video viewfinder displays the following:



- 1 Mode indicator
- 2 Audio mute indicator
- 3 Record icon
- 4 Recording settings
- 5 Battery charge level indicator
- 6 Video quality indicator. To modify this setting, select **Options** > **Settings** > **Video quality**.
- 7 Video clip file type
- 8 Available recording time. When you are recording, the current video length indicator also shows the elapsed and remaining time.
- 9 The location to which the video clip is saved
- 10 Scene modes

After recording a video clip


After you record a video clip, select from the following options (available only if you have selected **Options** > **Settings** > **Show last captured video** > **Yes**):

- ▶ **Play** — Play the video clip you just recorded.
- 🌐 — Upload the image to a compatible online album.
- 🗑️ **Delete** — Delete the video clip.

To return to the viewfinder to record a new video clip, press the capture key.

Gallery

To store and organise your images, video clips, sound clips, and streaming links, select **Menu** > **Gallery**.

Tip: To access the images and video clips view quickly, tap the media key (📺) to open the media bar, and select .

View and organise files

Select **Menu** > **Gallery** and from the following:



Images & videos — View images in the image viewer and videos in Video centre.



Songs — Open Music player.



Sound clips — Listen to sound clips.



Other media — View presentations.

You can browse, open, and create folders; and mark, copy, move, and add items to folders.

To open a file, select a file from the list. Video clips and files with the .ram file extension open and play in Video centre, and music and sound clips in Music player.

View images and videos

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

The images, video clips, and folders are ordered by date and time. To browse the files, swipe up or down.

To open a file, select a file from the list. When viewing an image, to view the next or previous image, swipe the image left or right, respectively. To zoom in an image, use the volume key in your device.

Select **Options** and from the following:

Edit — Edit a video clip or an image.

Use file — To use the image as wallpaper in the home screen, select **Set as wallpaper**.

To set the image as a generic call image, select **Set as call image**.

To set the image as a call image for a contact, select **Assign to contact**.

To set the video clip as a ringing tone, select **As ringing tone**.

To assign the video clip as a ringing tone for a contact, select **Assign to contact**.

The toolbar helps you select frequently used functions with images, video clips, and folders.

From the toolbar, select from the following:



Send — Send the selected image or video clip.



Edit — Edit the selected image or video clip.



Delete — Delete the selected image or video clip.

Organise images and videos

Select **Menu** > **Gallery and Images & videos** > **Options** and from the following:

Folder options — To move files to folders, select **Move to folder**. To create a new folder, select **New folder**.

Organise — To copy files to folders, select **Copy**. To move files to folders, select **Move**.

View by — View files by date, title, or size.

Share online

About Share online

Select **Menu** > **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.

Subscribe to services

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

To subscribe to an online sharing service, go to the service provider's website, and check that your Nokia device is compatible with the service. Create an account as instructed on the website. You receive a user name and password needed to set up your device with the account.

- 1 To activate a service, open the Share online application in your device, select a service and **Options** > **Activate**.
- 2 Allow the device to create a network connection. If you are prompted for an internet access point, select one from the list.
- 3 Sign in to your account as instructed on the service provider's website.

For the availability and cost of the third party services and data transfer costs, contact your service provider or the relevant third party.

Manage your accounts

To view your accounts, select **Options** > **Settings** > **My accounts**.

To create a new account, select **Options** > **Add new account**.

To change your user name or password for an account, select the account and **Options** > **Open**.

To set the account as the default when sending posts from your device, select **Options** > **Set as default**.

To remove an account, select the account and **Options** > **Delete**.

Create a post

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

To post media files to a service, go to a service, and select **Options** > **New upload**. If the online sharing service provides channels for posting files, select the desired channel.

To add an image, video clip, or sound clip to the post, select **Options** > **Insert**.

Enter a title or description for the post, if available.

To add tags to the post, select **Tags**.

To enable the posting of location information contained in the file, select **Location**.

To send the post to the service, select **Options** > **Upload**.

Post files from Gallery

You can post your files from Gallery to an online sharing service.

- 1 Select **Menu** > **Gallery** and the files you want to post.
- 2 Select **Options** > **Send** > **Upload** and the desired account.
- 3 Edit your post as required.
- 4 Select **Options** > **Upload**.

Nokia Video Centre

With Nokia Video Centre (network service), you can download and stream video clips over the air from compatible internet video services using a packet data connection. You can also transfer video clips from a compatible PC to your device and view them in Video centre.

Using packet data access points to download videos may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.

Your device may have predefined services.

Service providers may provide free content or charge a fee. Check the pricing in the service or from the service provider.

View and download video clips

Connect to video services

- 1 Select **Menu** > **Applications** > **Video centre**.
- 2 To connect to a service to install video services, select **Add new services** and the desired video service from the service catalogue.

View a video clip

To browse the content of installed video services, select **Video feeds**.

The content of some video services is divided into categories. To browse video clips, select a category.

To search for a video clip in the service, select **Video search**. Search may not be available in all services.

Some video clips can be streamed over the air, but others must be first downloaded to your device. To download a video clip, select **Options** > **Download**. Downloads continue in the background if you exit the application. The downloaded video clips are saved in My videos.

To stream a video clip or view a downloaded one, select **Options** > **Play**.

To adjust the volume, use the volume key.



Warning:

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

Select **Options** and from the following:

Resume download — Resume a paused or failed download.

Cancel download — Cancel a download.

Preview — Preview a video clip. This option is available if supported by the service.

Feed details — View information about a video clip.

Refresh list — Refresh the list of video clips.

Open link in browser — Open a link in the web browser.

Schedule downloads

Setting the application to download video clips automatically may involve the transmission of large amounts of data through your service provider's network. For information about data transmission charges, contact your service provider.

To schedule an automatic download for video clips in a service, select **Options** > **Schedule downloads**.

Video centre automatically downloads new video clips daily at the time you define.

To cancel scheduled downloads, select **Manual download** as the download method.

Video feeds

Select **Menu** > **Applications** > **Video centre**.

The content of the installed video services is distributed using RSS feeds. To view and manage your feeds, select **Video feeds**.

Select **Options** and from the following:

Feed subscriptions — Check your current feed subscriptions.

Feed details — View information about a video.

Add feed — Subscribe to new feeds. Select **Via Video directory** to select a feed from the services in the video directory.

Refresh feeds — Refresh the content of all feeds.

Manage account — Manage your account options for a particular feed, if available.

To view the videos available in a feed, select a feed from the list.

My videos

My videos is a storage place for all videos. You can list downloaded videos and video clips recorded with the device camera in separate views.

To adjust the volume, press the volume key.

Select **Options** and from the following:

Video details — View information about a video clip.

Find — Find a video clip. Enter search text that matches the file name.

Memory status — View the amount of free and used memory.

Sort by — Sort video clips. Select the desired category.

Move and copy — Move or copy video clips. Select **Copy** or **Move** and the desired location.

Transfer videos from your PC

Transfer your own video clips from compatible devices using a compatible USB data cable. Only video clips which are in a format supported by your device are shown.

- 1 To view your device on a PC as a mass memory device where you can transfer any data files, connect using a USB data cable.
- 2 Select **Mass storage** as the connection mode.
- 3 Select the video clips you want to copy from your PC.
- 4 The transferred video clips appear in the My videos folder.

Video centre settings

In the Video centre main view, select **Options** > **Settings** and from the following:

Video service selection — Select the video services that you want to appear in Video centre. You can also add, remove, edit, and view the details of a video service. You cannot edit preinstalled video services.

Connection settings — To define the network destination used for the network connection, select **Network connection**. To select the connection manually each time Video centre opens a network connection, select **Always ask**.

To set GPRS connection on or off, select **Confirm GPRS usage**.

To set roaming on or off, select **Confirm roaming**.

Parental control — Set an age limit to videos. The required password is the same as the device lock code. The factory setting for the lock code is **12345**. In video-on-demand services, videos which have the same or a higher age limit than you have set, are hidden.

Thumbnails — Select whether to download and view thumbnail images in video feeds.



Web browser

With the web browser, you can view hypertext markup language (HTML) pages on the web as originally designed (network service). You can also browse web pages that are designed specifically for mobile devices, and use extensible hypertext markup language (XHTML), or the wireless markup language (WML).

The XHTML browser in this device supports the Unicode encoding format.

If the web page displays unreadable characters while browsing, select **Menu > Internet > Web and Options > Settings > Page > Default encoding**, and a corresponding encoding.

To browse the web, you need to have an internet access point defined in your device.

Tip: To open the browser, select the media key () to open the media bar, and select .

Browse the web

Select **Menu > Internet > Web**.

To browse the web, select  **Go to web address** from the toolbar, and enter a web address.

By default, the browser is in full screen mode. To exit full screen mode, double-tap the arrow icon in the bottom right corner.

Some web pages may contain material, such as graphics and sounds, that requires a large amount of memory to view. If your device runs out of memory while loading such a web page, the graphics on the page are not shown.

To browse web pages with graphics disabled, to save memory and increase the page loading speed, select **Options > Settings > Page > Load content > Text only**.

To enter a web address, select **Options > Go to > New web page**.

To refresh the content of the web page, select **Options > Web page options > Reload**.

To save the current web page as a bookmark, select **Options > Web page options > Save as bookmark**.

To view snapshots of the web pages you have visited during the current browsing session, select **Back** (available if **History list** is activated in the browser settings and the current web page is not the first web page you visit).

To prevent or allow the automatic opening of multiple windows, select **Options > Web page options > Block pop-ups** or **Allow pop-ups**.


To zoom in on a web page, double-tap the display.


Tip: To minimise the browser without exiting the application or connection, press the end key once.


Browser toolbar

The browser toolbar helps you select frequently used functions of the browser.


From the toolbar, select from the following:

 **Expand toolbar** — Expand the toolbar to access more toolbar functions.


 **Go to web address** — Enter a new web address.


 **Show zoom** — Zoom in or out on the web page.


To use the expanded toolbar, select  **Expand toolbar** and from the following:

 **Go to feeds** — View your current feed subscriptions.

 **Full screen** — Switch to the full screen view.

 **Subsc. feeds** — View a list of available web feeds on the current web page, and subscribe to a web feed.

 **Settings** — Edit the settings.

 **Save bkmrk.** — Save the current web page as a bookmark.

 **Reload** — Refresh the web page.

 **Overview** — View an overview of the current web page.

 **Homepage** — Go to the homepage (if defined in the settings).

 **Bookmarks** — Open the bookmarks view.

 **Find keywd.** — Search on the current web page.

Navigate pages

When you are browsing a web page that contains a large amount of information, you can use Page overview to view what kind of information the web page contains.

To see an overview of the current web page, open the toolbar, and select  > .

Web feeds and blogs

Web feeds are XML files on web pages that are used to share, for example, the latest news headlines or blogs. Blogs or weblogs are web diaries. It is common to find web feeds on web, blog, and wiki pages.

The web browser application automatically detects if a web page contains web feeds.

To subscribe to a web feed, select a feed and **Options > Subscribe to web feeds**.

To update a web feed, select a feed and **Options > Refresh**. You can also update web feeds from the Contacts bar.

To define how web feeds are updated, select **Options > Settings > Web feeds**.

Widgets

Widgets bring more content to your device! Widgets are small, downloadable web applications that deliver multimedia, news feeds, and other information, such as weather reports, to your device. Installed widgets appear as separate applications in the Applications folder.

You can download widgets from Nokia's Ovi Store at www.ovi.com.


The default access point for widgets is the same as in the web browser. When active in the background, some widgets may update information automatically in your device.


Using widgets may involve the transmission of large amounts of data through your service provider's network. For information about data transmission charges, contact your service provider.

Content search

Select **Menu > Internet > Web**.

To search for text within the current web page, select **Options > Find keyword**.

To go to the next match, from the toolbar, select  **Find next**.

To go to the previous match, from the toolbar, select  **Find previous**.

Bookmarks

You can store your favourite web pages in Bookmarks for instant access.

Select **Menu > Internet > Web**.

Access bookmarks

- 1 If you have a page other than Bookmarks as your homepage, select **Options > Go to > Bookmarks**.
- 2 Select a web address from the list or from the collection of bookmarks in the Recently visited pages folder.

Save the current web page as a bookmark

While browsing, select **Options > Web page options > Save as bookmark**.


Edit or delete bookmarks


Select **Options > Bookmark manager**.

Send or add a bookmark, or set a bookmarked web page as the homepage

Select **Options > Bookmark options**.

From the toolbar, select from the following:

 **Add bookmark** — Add a new bookmark.

 **Go to web address** — Enter a new web address.

 **Delete** — Delete a bookmark.


Empty the cache

The information or services you have accessed are stored in the cache memory of the device.

A cache is a memory location that is used to store data temporarily. If you have tried to access or have accessed confidential information requiring passwords, empty the cache after each use.


To empty the cache, select **Options > Clear privacy data > Cache**.

Connection security

If the security indicator () is displayed during a connection, the data transmission between the device and the internet gateway or server is encrypted.

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

Security certificates may be required for some services, such as banking services. You are notified if the identity of the server is not authentic or if you do not have the correct security certificate in your device. For more information, contact your service provider.

 **Important:** Even if the use of certificates makes the risks involved in remote connections and software installation considerably smaller, they must be used correctly in order to benefit from increased security. The existence of a certificate does not offer any protection by itself; the certificate manager must contain correct, authentic, or trusted certificates for increased security to be available. Certificates have a restricted

lifetime. If "Expired certificate" or "Certificate not valid yet" is shown, even if the certificate should be valid, check that the current date and time in your device are correct.

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

Connectivity

Connectivity security

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 Ovi Store, 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.

Data connections and access points

Your device supports packet data connections (network service), such as GPRS in the GSM network.

To establish a data connection, an access point is required. You can define different kinds of access points, such as the following:

- MMS access point to send and receive multimedia messages
- Internet access point (IAP) to send and receive e-mail and connect to the internet

Check the type of access point you need with your service provider for the service you want to access. For availability and subscription to packet data connection services, contact your service provider.

Network settings

Select **Menu > Settings and Connectivity > Network**.

Select from the following:

Operator selection — Select **Automatic** to set the device to search for and select one of the available networks, or **Manual** to manually select the network from a list. If the connection to the manually selected network is lost, the device sounds an error tone and asks you to reselect a network. The selected network must have a roaming agreement with your home network.




Cell info display — Set the device to indicate when it is used in a cellular network based on microcellular network (MCN) technology and to activate cell info reception.

Access points

Create a new access point

Select **Menu > Settings and Connectivity > 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 open one of the access point groups (, , ), you can see the access point types:



indicates a protected access point



indicates a packet data access point

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 shown 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, open one of the access point groups, and select an access point. Follow the instructions from your service provider.

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 > Settings and Connectivity > Destinations**.

Some applications allow you to use access point groups for network connections.

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


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, tap the relevant access point if it is not already highlighted, and select **Options > Organise > Copy to other dest..**

To change the priority of an access point within the group, select **Options > Organise > Change priority**.

Packet data access points

Select **Menu > Settings and Connectivity > Destinations > Access point**, and follow the instructions on the screen.

To edit a packet data access point, open one of the access point groups, and select an access point marked with .

Follow the instructions from your service provider.

Select from the following:

Access point name — You obtain the access point name from 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 must enter the 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 you are setting up, enter the web address or the address of the multimedia message centre.

Use access point — Select **After confirmation** if you want the device to ask for confirmation before the connection using this access point is created, or **Automatically** if you want 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.

Active data connections

Select **Menu** > **Settings and Connectivity** > **Connection mgr..**

In the active data connections view, you can see open data connections:

-  data calls
-  packet data connections

To end a connection, select **Options** > **Disconnect**.

To end all open connections, select **Options** > **Disconnect all**.

To view the details of a connection, select **Options** > **Details**.

Synchronisation

Select **Menu** > **Settings and Connectivity** > **Data transfer** > **Sync**.

The Synchronisation application enables you to synchronise your notes, calendar entries, text and multimedia messages, browser bookmarks, or contacts with various compatible applications on a compatible computer or on the internet.

You may receive synchronisation settings in a special message from your service provider.

A synchronisation profile contains the necessary settings for synchronisation.

When you open the application, the default or previously used synchronisation profile is displayed. To modify the profile, tap a synchronisation item to include it in the profile or to leave it out.

To manage synchronisation profiles, select **Options** and the desired option.

To synchronise data, select **Options** > **Synchronise**.

To cancel synchronisation before it finishes, select **Cancel**.

Bluetooth connectivity

About Bluetooth connectivity

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

You can use the connection to send images, video 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, device identification, dial-up networking, file transfer, generic audio/video distribution, hands-free, headset, object push, phone book access, SIM access, and stereo audio streaming. 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 > Settings and 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 **Set visibility 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.

Security tips

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

When you are not using Bluetooth connectivity, to control who can find your device and connect to it, select **Bluetooth > Off** or **My phone's visibility > Hidden**. Deactivating Bluetooth connectivity does not affect other functions of the device.

Do not pair with or accept connection requests from an unknown device. This helps to protect your device from harmful content. Operating the device in hidden mode is a safer way to avoid malicious software.

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 Tap an item, and select **Options > Send > Via Bluetooth**.

Devices with Bluetooth wireless technology that are 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.

Tip: When searching for devices, some devices may show only the unique address (device address). To find the unique address of your device, enter ***#2820#**.

Pair devices

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


To pair with compatible devices and view your paired devices, open the **Paired devices** tab.

Before pairing, create your own passcode (1 to 16 digits), and agree with the owner of the other device to use the same code. Devices that do not have a user interface have a factory-set passcode. The passcode is used only once.

- 1 To pair with a device, select **Options > New paired device**. Devices that are within range are displayed.
- 2 Select the device, and enter the passcode. The same passcode must be entered on the other device, as well.
- 3 Some audio accessories connect automatically to your device after pairing. Otherwise, to connect to an accessory, select **Options > Connect to audio device**.

Paired devices are indicated by  in the device search.

To set a device as authorised or unauthorised, select from the following:



Set as authorised — Connections between your device and the authorised device can be made without your knowledge. You will not be asked for authorisation or acceptance separately. Use this status only for your own devices, such as your compatible headset or PC, or devices that belong to someone you trust.  indicates authorised devices in the paired devices view.

Set as unauthorised — Connection requests from this device must be accepted separately every time.

To cancel a pairing with a device, select **Options > Delete**.

To cancel all pairings, select **Options > Delete all**.

Receive data using Bluetooth connectivity

When you receive data through Bluetooth connectivity, a tone sounds, and you are asked if you want to accept the message. If you accept,  is displayed, and the item is placed in the Inbox folder in Messaging. Messages received through Bluetooth connectivity are indicated by .

Block devices

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

To block a device from establishing a Bluetooth connection to your device, open the **Paired devices** tab.

Tap a device you want to block, if it is not already highlighted, and select **Options > Block**.

To unblock a device, open the **Blocked devices** tab, tap a device, if it is not already highlighted, and select **Options > Delete**.

To unblock all blocked devices, select **Options > Delete all**.

If you reject a pairing request from another device, you are asked if you want to block all future connection requests from this device. If you accept the query, the remote device is added to the list of blocked devices.


Remote SIM mode

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

Before the remote SIM mode can be activated, the two devices must be paired and the pairing initiated from the other device. When pairing, use a 16-digit passcode, and set the other device as authorised.

To use the remote SIM mode with a compatible car kit accessory, activate Bluetooth connectivity, and enable the use of the remote SIM mode with your device.

Activate the remote SIM mode from the other device.

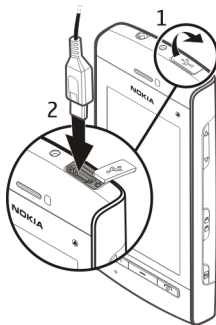
When the remote SIM mode is on in your device, **Remote SIM mode** is displayed in the home screen. The connection to the wireless network is turned off, as indicated by  in the signal strength indicator area, and you cannot use SIM card services or features requiring cellular network coverage.

When the wireless device is in the remote SIM mode, you can only use a compatible connected accessory, such as a car kit, to make or receive calls. Your wireless device will not make any calls while in this mode, except to the emergency numbers programmed into your device. To make calls from your device, you must leave the remote SIM mode. If the device is locked, enter the lock code to unlock it.

To leave the remote SIM mode, press the power key, and select **Exit remote SIM mode**.

USB

Select **Menu > Settings and Connectivity > USB**.



To have the device ask the purpose of the connection each time a compatible data cable is connected, select **Ask on connection > Yes**.

If the **Ask on connection** option is deactivated or you want to change the mode during an active connection, select **USB connection mode** and from the following:

Ovi Suite — Use Nokia PC applications such as Nokia Ovi Suite.

Mass storage — Transfer data between your device and a compatible PC.

Image transfer — Print images with a compatible printer.

Media transfer — Synchronise music with Windows Media Player.

PC connections

You can use your mobile device with a variety of compatible PC connectivity and data communications applications. With Nokia Ovi Suite you can, for example, transfer files and images between your device and a compatible computer.

To use Ovi Suite with USB connection mode, select **Ovi Suite mode**.

For more information about Ovi Suite, see the support area at www.ovi.com.

Administrative settings

Select **Menu > Settings and Connectivity > Admin. settings**.

To set the online time for the data call connection, select **Data call**. The data call settings affect all access points that use a GSM data call.

Packet data settings

Select **Menu > Settings and Connectivity > Admin. settings > Packet data**.

The packet data settings affect all access points using a packet data connection.

Select from the following:

Packet data connection — If you select **When available** and you are in a network that supports packet data, the device registers to the packet data network. Starting an active packet data connection (for example, to send and receive e-mail) is quicker than if the device establishes a packet data connection when needed. If there is no packet data coverage, the device periodically tries to establish a packet data connection. If you select **When needed**, the device uses a packet data connection only if you start an application or action that needs it.

Access point — The access point name is needed to use your device as a packet data modem to a compatible computer.

SIP settings

Select **Menu > Settings and Connectivity > Admin. settings > SIP settings**.

Session Initiation Protocol (SIP) settings are needed for certain network services using SIP. You may receive the settings in a special text message from your service provider. You can view, delete, or create these setting profiles in SIP settings.

Access point name control

Select **Menu > Settings and Connectivity > Admin. settings > APN control**.

With the access point name control service, you can restrict packet data connections and allow your device to use only certain packet data access points.

This setting is only available if your SIM card supports the access point control service.

To turn the control service on or off, or to change the allowed access points, select **Options** and the corresponding option. To change the options, you need your PIN2 code. Contact your service provider for the code.

Search

About Search

Select **Menu > Internet > Search**.

Search (network service) enables you to use various internet-based search services to find, for example, websites and images. The content and availability of the services may vary.

Start a search

Select **Menu > Internet > Search**.

To search the contents of your mobile device, enter search terms in the search field, or browse the content categories. While you enter the search terms, the results are organised into categories. The most recently accessed results appear at the top of the result list, if they match your search terms.

To search for web pages on the internet, select **Search the Internet**, a search provider, and enter your search terms in the search field. The search provider you selected is set as your default internet search provider.

If a default search provider is already set, select it to start a search, or select **More search services** to use another search provider.

To change the country or region setting to find more search providers, select **Options > Settings > Country or region**.

Other applications

Clock

Set time and date

Select **Menu > Applications > Clock**.

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

Time — Set the time.

Date — Set the date.

Automatic time update — Set the network to automatically update the time, date, and time zone information for your device (network service).



Alarm clock

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

Set a new alarm

- 1 Select **New alarm**.
- 2 Set the alarm time.
- 3 Select **Repeat** to set whether and when the alarm is repeated.
- 4 Select **Done**.

View your alarms

Select **Alarms**.  indicates an active alarm.  indicates a repeated alarm.

Remove an alarm

Select **Alarms**, go to the alarm, and select **Options** > **Remove alarm**.

Stop the alarm

Select **Stop**. If your device is switched off when an alarm expires, your device switches itself on and starts sounding the alarm tone.

Set the alarm to snooze

Select **Snooze**.

Define the snooze time

Select **Options** > **Settings** > **Alarm snooze time**.

Change the alarm tone

Select **Options** > **Settings** > **Clock alarm tone**.

World clock

With the world clock, you can view the current time in different locations.

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

View the time

Select **World clock**.

Add locations to the list

Select **Options** > **Add location**.

Set your current location

Go to a location, and select **Options** > **Set as current location**. The time in your device is changed according to the selected location. Ensure that the time is correct and matches your time zone.

Calendar

To open the calendar, select **Menu** > **Calendar**.

Calendar views

To switch between the month, week, day, and to-do note views, select **Options** > **Change view** and the desired view.

To change the starting day of the week or the view that is displayed when you open the calendar, or to modify calendar alarm settings, select **Options** > **Settings**.

To go to a certain date, select **Options** > **Go to date**.


Calendar toolbar

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


From the calendar toolbar, select from the following:


 **Next view** — Select the month view.

 **Next view** — Select the week view.

 **Next view** — Select the day view.

 **Next view** — Select the to-do view.

 **New meeting** — Add a new meeting reminder.

 **New to-do note** — Add a new to-do note.

Lunar calendar

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

The lunar calendar function is available only when the device language is Chinese.

Activate the lunar calendar function

In calendar views, select **Options** > **Settings** > **Lunar calendar** > **On**.

View detailed lunar information of a date

Go to the date, and select **Options** > **View lunar data**.

Certain dates are shown in the calendar using different colours, for example, red. This does not necessarily indicate that the date is a public holiday in Hong Kong.

File manager

About File manager

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

With File manager, you can browse, manage, and open files on your device or a compatible external drive.

Find and organise files

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

Search for a file

Select **Options** > **Find**. Enter search text that matches the file name.

Move and copy files and folders

Select **Options** > **Organise** and the desired option.

Sort files

Select **Options** > **Sort by** and the desired category.

Application manager

About Application manager



Select **Menu** > **Settings and Application mgr..**

With Application manager, you can see the software packages installed in your device. You can view details of installed applications, remove applications, and define installation settings.

You can install the following types of applications and software:

- JME applications based on Java™ technology with .jad or .jar file extensions
- Other applications and software suitable for the Symbian operating system with .sis or .sisx file extensions
- Widgets with the .wgz file extension

Only install software that is compatible with your device.

Install applications

You can transfer installation files to your device from a compatible computer, download them during browsing, or receive them in a multimedia message, as an e-mail attachment, or using other connectivity methods, such as Bluetooth connectivity.

You can use Nokia Application Installer in Nokia Ovi Suite to install an application to your device.

Select **Menu > Settings and Application mgr..**

The installation files are located in the Installation files folder, and the installed applications in the Installed apps. folder.

Icons indicate the following:



SIS or SISX application



Java application



Widget



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

Before installing an application, check the following:

- View the application type, version number, and the supplier or manufacturer of the application. Select **Options > View details**.
- View the security certificate details of the application. Select **Details: > Certificates: > View details**. Control the use of digital certificates in Certificate management.

If you install a file that contains an update or repair to an existing application, you can only restore the original application if you have the original installation file or a full backup copy of the removed software package. To restore the original application, remove the application, and install the application again from the original installation file or the backup copy.

The JAR file is required for installing Java applications. If it is missing, the device may ask you to download it. If there is no access point defined for the application, you are asked to select one.

Install an application

- 1 Locate the installation file in the Installation files folder in Application manager, or search for it in File manager or your Inbox in Messaging.

- 2 In Application manager, select the Installation files folder, the application you want to install and **Options** > **Install**. In other applications, select the installation file to start the installation.

During installation, the device shows information about the progress of the installation. If you install an application without a digital signature or certification, the device displays a warning. Continue installation only if you are sure of the origin and contents of the application.

Open an installed application

Select the application in the menu. If the application does not have a default folder defined, it is installed in the Installed apps. folder in the Applications folder.

See which software packages are installed or removed

Select **Options** > **View log**.



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.

Remove applications

You can remove applications that you have installed, for example, to increase the amount of available memory.

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

- 1 Select **Application mgr.**.
- 2 Select **Installed apps.** > **Options** > **Uninstall**.
- 3 Select **Yes**.

If you remove an application, you can only reinstall it if you have the original software package or a full backup of the removed software package. If you remove a software package, you may no longer be able to open documents created with that software.

If another software package depends on the software package that you removed, the other software package may stop working. See the documentation of the installed software package for details.

Application manager settings

Select **Menu** > **Settings** and **Application mgr.**.

Select **Installation settings** and from the following:

Software installation — Allow or deny installation of Symbian software that does not have a verified digital signature.

Online certificate check — Check online certificates before installing an application.

Default web address — Set the default web address used to check online certificates.

RealPlayer

With RealPlayer, you can play video clips or stream media files over the air without saving them to the device first.

RealPlayer does not necessarily support all file formats or all the variations of file formats.

Select **Menu > Applications > RealPlayer**.

RealPlayer toolbar


Select **Menu > Applications > RealPlayer**.

In the Video clips, Streaming links, and Recently played views, the following toolbar icons may be available:

 **Send** — Send a video clip or streaming link.

 **Play** — Play a video clip or video stream.

 **Delete** — Delete a video clip or streaming link.

 **Remove** — Remove a file from the recently played list.

Play a video clip

Select **Menu > Applications > RealPlayer**.

Play a video clip

Select **Video clips** and a video clip.

List recently played files

In the main view, select **Recently played**.

Go to a video clip, and select **Options** and from the following:

Use video clip — Assign a video clip to a contact or set it as a ringing tone.

Mark/Unmark — Mark or unmark an item, to send or delete multiple items at the same time.

View details — View details, such as format, resolution, and duration.

Settings — Edit settings for video playback and streaming.

Stream content over the air

Select **Menu > Applications > RealPlayer**.

Streaming content over the air is a network service. Select **Streaming links** and a link. You can also receive a streaming link in a text or multimedia message, or open a link on a web page.

Before live content begins streaming, your device connects to the site and starts loading the content. The content is not saved in your device.

In RealPlayer, you can only open RTSP links. However, RealPlayer can also play a RAM file if you open a HTTP link to it in a browser.

Recorder



You can use the recorder to record voice memos and telephone conversations. You can also send sound clips to your friends.

Select **Menu > Music > Recorder**.

Record a sound clip

Select .

Stop recording a sound clip

Select .


Listen to the sound clip

Select .

Send a sound clip as a message

Select **Options > Send**.

Record a telephone conversation


Open the recorder during a voice call, and select . Both parties hear a tone at regular intervals during recording.

Select the recording quality or where to save sound clips

Select **Options > Settings**.

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

Write a note

- 1 Select **Menu > Applications > Office > Notes**.
- 2 Select **Options > New note**.
- 3 Enter text in the note field.
- 4 Select .

Make a calculation



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

- 1 Enter the first number of the calculation.
- 2 Select a function, such as add or subtract.
- 3 Enter the second number of the calculation.
- 4 Select **=**.

Save or retrieve the result of a calculation

Select **Options** > **Memory** > **Save or Recall**.

Converter

With Converter, you can convert measures from one unit to another.

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

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

Settings

Some settings may be preset for the device by your service provider, and you may not be able to change them.

Phone settings

Date and time settings

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

Select from the following:

Time — Enter the current time.

Time zone — Select your location.

Date — Enter the current date.

Date format — Select the date format.

Date separator — Select the symbol that separates days, months, and years.

Time format — Select the time format.

Time separator — Select the symbol that separates hours and minutes.

Clock type — Select the clock type.

Clock alarm tone — Select the tone for the alarm clock.

Alarm snooze time — Adjust the snooze time.

Workdays — Select your working days. You can then set an alarm only for working day mornings, for example.

Automatic time update — Set the device to update the time, date, and time zone automatically. This network service may not be available on all networks.

Change language

You can change the device language and the language in which you write your messages and mails. You can also activate predictive text input.

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

Change the device language

Select **Phone language**.

Change the writing language

Select **Writing language**.

Activate predictive text input

Select **Predictive text**.

Display settings

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

Select from the following:

Brightness — Adjust the brightness of your device display.

Font size — Select the size of text and icons on the display.

Welcome note / logo — Set a note or image to be displayed when you switch on the device.

Light time-out — Set how long the light stays on when you stop using the device.

Voice commands

Activate voice commands

Press and hold the call key in the home screen, and say a command. The voice command is the name of the application or profile displayed in the list.

To view the list of voice commands, select **Menu** > **Settings** and **Phone** > **Voice commands**.

Select **Options** and from the following:

Change command — Edit the voice commands.

Playback — Listen to the synthesised voice tag.

Remove voice command — Remove a voice command that you added manually.

Settings — Adjust the settings.

Voice command tutorial — Open the tutorial for voice commands.

Accessory settings

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

Some accessory connectors indicate which type of accessory is connected to the device.

Select an accessory and from the following:

Default profile — Set the profile you want activated each time you connect a certain compatible accessory to your device.

Automatic answer — Set the device to answer an incoming call automatically after 5 seconds. If the ringing type is set to **Beep once** or **Silent**, automatic answer is disabled.

Lights — Set the lights to remain on after the time-out.

The available settings depend on the type of accessory.

Application settings

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

In application settings, you can edit the settings of some of the applications in your device.

To edit the settings, you can also select **Options > Settings** in each application.

Device updates

With Device updates, you can connect to a server and receive configuration settings for your device, create new server profiles, view existing software version and device information, or view and manage existing server profiles.

Select **Menu > Settings and Phone > Phone mgmt. > Device updates**.

If software updates over the air are supported by your network, you may also be able to request updates through the device.

You may receive server profiles and different configuration settings from your service providers and company information management department. These configuration settings may include connection and other settings used by different applications in your device.

Receive configuration settings

1 Select **Options > Server profiles**.

2 Go to a profile, and select **Options > Start configuration**.

Create a server profile

Select **Options > Server profiles > Options > New server profile**.

Delete a server profile

Select **Options > Delete**.

Security settings

Phone and SIM

Select **Menu > Settings and Phone > Phone mgmt. > Security > Phone and SIM card**.

Select from the following:

PIN code request — When active, the code is requested each time the device is switched on. Deactivating the PIN code request may not be allowed by some SIM cards.

PIN code and **PIN2 code** — Change the PIN and PIN2 code. These codes can only include numbers. Avoid using access codes similar to the emergency numbers to prevent accidental dialling of the emergency number. If you forget the PIN or PIN2 code, contact your service provider. If you forget the lock code, contact a Nokia Care point or your service provider.

Lock code — The lock code is used to unlock the device. To avoid unauthorised use of your device, change the lock code. The preset code is 12345. The new code can be 4-255 characters long. Alphanumeric characters and both uppercase and lowercase characters can be used. The device notifies you if the lock code is not properly formatted. Keep the new code secret and separate from your device.

Phone autolock period — To avoid unauthorised use, you can set a time-out after which the device automatically locks. A locked device cannot be used until the correct lock code is entered. To turn off autolock, select **None**.

Lock if SIM card changed — Set the device to ask for the lock code when an unknown SIM card is inserted into your device. The device maintains a list of SIM cards that are recognised as the owner's cards.

Remote phone locking — Enable or disable remote lock.

Closed user group — Specify a group of people to whom you can call and who can call you (network service).

Confirm SIM services — Set the device to display confirmation messages when you are using a SIM card service (network service).

Manage certificates

Digital certificates protect your content when transferring confidential information. Certificates should be used when connecting to an online bank or another site, or to a remote server for actions that involve transferring confidential information.

Certificates should also be used when you want to reduce the risk of viruses or other malicious software and be sure of the authenticity of software when downloading and installing software.

Select **Menu > Settings and Phone > Phone mgmt. > Security > Certificate management** and select the desired certificate type.

Digital certificates do not guarantee safety; they are used to verify the origin of software.



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

Restore original settings

You may want to reset some of the settings to their original values. All active calls and connections must be ended.

Select **Menu > Settings and Phone > Phone mgmt. > Factory settings**. To restore the settings, you need to enter the lock code.

After resetting, the device may take a longer time to switch on.

Protected content

Digital rights management (DRM) protected content, for example some media files, such as images, music, or video clips, comes with an associated licence that defines your rights to use the content.

You can view the details and status of the licences, and reactivate and remove licences.

Manage digital rights licences

Select **Menu > Settings > Phone > Phone mgmt. > Security > Protected content**.

Digital rights management

Content owners may use different types of digital rights management (DRM) technologies to protect their intellectual property, including copyrights. This device uses various types of DRM software to access DRM-protected content. With this device you can access content protected with WMDRM 10, OMA DRM 1.0, and OMA DRM 2.0. If certain DRM software fails to protect the content, content owners may ask that such DRM software's ability to access new DRM-protected content be revoked. Revocation may also prevent renewal of such DRM-protected content already in your device. Revocation of such DRM software does not affect the use of content protected with other types of DRM or the use of non-DRM-protected content.

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

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

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

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

Call settings

Call settings

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

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

Call waiting — Activate your device to notify you of incoming calls while you are in a call (network service), or check whether the function is activated.

Reject call with message — Activate rejecting a call with a text message to inform the caller why you could not answer the call.

Message text — Write the standard text message that is sent when you reject a 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 — Set the length of a call to be displayed during the call.

Summary after call — Set the length of a call to be displayed after the call.

Speed dialling — Activate speed dialling.


Anykey answer — Activate anykey answer.

Call divert

Select **Menu** > **Settings and Calling** > **Call divert**.

Call divert allows you to divert incoming calls to your voice mailbox or another phone number. For details, contact your service provider.

- 1 Select the type of calls to divert and a diverting option. For example, to divert all voice calls, select **Voice calls** > **All voice calls**.
- 2 To activate call divert, select **Activate**.
- 3 To divert calls to your voice mailbox, select **To voice mailbox**.
- 4 To divert calls to another phone number, select **To other number**, and enter the number, or select **Find** to retrieve a number saved in the contacts list.

Several diverting options can be active at the same time. When all calls are diverted,  is displayed in the home screen.

Call barring

Call barring (network service) allows you to restrict the calls that you make or receive with the device. For example, you can restrict all outgoing international calls or incoming calls when you are abroad. To change the settings, you need the barring password from your service provider.

Select **Menu** > **Settings and Calling** > **Call barring**.

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

Voice call barring

Select the desired barring option and **Activate**, **Deactivate**, or **Check status**. Call barring affects all calls, including data calls.

Troubleshooting

Q: What is my password for the lock, PIN, or PUK codes?

A: The default lock code is 12345. If you forget the lock code, contact your device dealer. If you forget a PIN or PUK code, or if you have not received such a code, contact your network service provider.

For information about passwords, contact your access point provider, for example, a commercial internet service provider (ISP) or network service provider.

Q: How do I close an application that is not responding?

A: Press and hold the menu key.

Select and hold the application icon, and select **Exit**.

Q: Why do images look smudgy?

A: Ensure that the camera lens protection windows are clean.

Q: Why do missing, discoloured, or bright dots appear on the screen every time I switch on my device?

A: This is a characteristic of this type of display. Some displays may contain pixels or dots that remain on or off. This is normal, not a fault.

Q: Why can't I find my friend's device while using Bluetooth connectivity?

A: Check that both devices are compatible, have activated Bluetooth connectivity, and are not in hidden mode. Check also that the distance between the two devices is not over 10 metres (33 feet) and that there are no walls or other obstructions between the devices.

Q: Why can't I end a Bluetooth connection?

A: If another device is connected to your device, you can end the connection from the other device or deactivate Bluetooth connectivity in your device. Select **Menu > Settings and Connectivity > Bluetooth > Bluetooth > Off**.

Q: What do I do if the memory is full?

A: Delete items from the memory. If **Not enough memory to perform operation. Delete some data first.** or **Memory low. Delete some data from phone memory.** is displayed when you are deleting several items at the same time, delete items one by one, beginning with the smallest items.

Q: Why can't I select a contact for my message?

A: The contact card does not have a phone number, address, or e-mail address. Select **Menu > Contacts** and the relevant contact, and edit the contact card.

Q: How can I end the data connection when the device starts a data connection again and again?

A: The device may be trying to retrieve a multimedia message from the multimedia message centre. To stop the device from making a data connection, select **Menu > Messaging and Options > Settings > Multimedia message > Multimedia retrieval**. Select **Manual** to have the multimedia messaging centre save messages to be retrieved later, or **Off** to ignore all incoming multimedia messages. If you select **Manual**, you receive a notification when you have a new message in the multimedia message centre. If you select **Off**, the device does not make any network connections related to multimedia messaging.

To set the device to use a packet data connection only if you start an application or action that needs it, select **Menu > Settings and Connectivity > Admin. settings > Packet data > Packet data connection > When needed**.

If this does not help, switch the device off and then on again.

Q: Can I use my Nokia device as a fax modem with a compatible PC?

A: You cannot use your device as a fax modem. However, with call diverting (network service), you can divert incoming fax calls to a fax number.

Q: How do I calibrate the screen?

A: The screen is calibrated at the factory. If it is necessary to recalibrate the screen, select **Menu > Settings and Phone > Touch input > Touch screen calibration**. Follow the instructions.

Q: Why do I get the error message Expired certificate or Certificate not valid yet when I am installing a downloaded application?

A: If **Expired certificate** or **Certificate not valid yet** is displayed, even if the certificate should be valid, check that the current date and time in your device are correct. You may have skipped the setting of date and time when starting the device for the first time, or the mobile network may have failed to update these settings to your device. To resolve this, select **Menu > Settings and Phone > Phone mgmt. > Factory settings**. Restore the factory settings, and when the device restarts, set the correct date and 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, or using a mobile device, 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.

Product and safety information

Accessories

Nokia original accessories

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/accessories.

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: BL-4U

Talk time:

Up to 7.7 hours.

Standby:

Up to 450 hours.



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.

Battery

Battery and charger information

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

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.

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- 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, or with a mobile device, 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 1.5 centimetres (5/8 inch) away from the body. Any carry case, belt clip, or holder for body-worn operation should not contain metal and should position the device the above-stated distance from your body.

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

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

During extended operation such as an active 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.

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 will attempt to make emergency calls over both the cellular networks and through your internet call provider if both are activated. Connections in all conditions cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.

To make an emergency call:

- 1 If the device is not on, switch it on. Check for adequate signal strength. Depending on your device, you may also need to complete the following:
 - Insert a SIM card if your device uses one.
 - Remove certain call restrictions you have activated in your device.
 - Change your profile from offline profile mode to an active profile.
 - If the screen and keys are locked, slide the lock switch on the side of the device to unlock them.
- 2 Press the end key as many times as needed to clear the display and ready the device for calls.
- 3 To open the dialler, select **Telephone** or
- 4 Enter the official emergency number for your present location. Emergency numbers vary by location.
- 5 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.

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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 1.04 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.

OVI SERVICE TERMS

Terms of Use

1. Acceptance

These Ovi Service Terms together with the Privacy Policy govern your use of the service, site and software where you accessed these terms (collectively "Service"). By registering for or using the Service or any portion of it you accept these Ovi Service Terms, Privacy Policy, all other additional terms, guidelines and policies that may be published from time to time within the Service (collectively "Terms").

These Terms constitute an agreement between you and Nokia Corporation, including its affiliates and suppliers (collectively "Nokia"), defining your and Nokia's rights and responsibilities with respect to the Service.

2. Eligibility

To use the Service, you must be at least thirteen (13) years of age. If you are under thirteen (13) years of age, or at least thirteen (13) years of age but a minor where you live, you must have your parent or legal guardian accept your registration on your behalf and approve of your use of the Service. Anyone 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 Nokia Account with 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. Upon first use of your device and after you have updated the Nokia device software an activation text message will be sent to Nokia. The creation of a Nokia Account will require data transmission. Data transmission costs may apply.

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 prior notice if you have not signed into the Service with your user name in the past six (6) months.

Except as set forth in Privacy Policy, Nokia shall not be responsible for any removal or loss of the information or content you have submitted to the Service. When information or content is removed from the Service by either you or Nokia, traces or copies may still remain elsewhere.

4. Licenses

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

As part of the Service, Nokia may provide you with content developed by Nokia or its licensors ("Content"). You are granted a non-exclusive and perpetual license to use such Content for the purpose it is intended, unless otherwise defined in the applicable Terms or the purchase order.

Some Content may only be available to residents of certain geographical areas. You agree to be bound by any restrictions applicable to specific Content you obtain through the Service. Any license acquired to third-party Content is a binding agreement between you and the third-party Content provider. The third-party Content provider is solely responsible for any Content it provides and for any claims you may have relating to such Content. Nokia will have the right (and will be deemed to have accepted the right) to enforce such license terms against you as a third party beneficiary thereof. All rights not granted to you for the Content are reserved to the owners of such Content.

As part of the Service, Nokia may provide you with certain software developed by Nokia or its licensors ("Software"). Your use of such Software may be subject to separate terms and conditions that you must accept before using the Software. If there are no separate terms and conditions applicable to such Software, the following terms apply: Nokia grants to you a limited, non-exclusive, non-transferable right to install and use such Software on your computer and/or mobile device. You may not copy the Software, except to make a single archival backup copy. You may not distribute, transfer the right to use, modify, translate, reproduce, resell, sublicense, rent, lease, reverse engineer, or otherwise attempt to discover the source code (except to the extent that this restriction is expressly prohibited by law) or make derivative works of the Software.

You may submit information or content ("Material") to the Service. Nokia does not claim ownership in your Material. Your submission of Material to the Service does not transfer ownership of rights of the Material to Nokia. Nokia is only transmitting the Material and has no editorial control over it.

By submitting Material to the Service you grant Nokia a world-wide, non-exclusive, sub-licensable, assignable, fully paid-up, royalty-free, perpetual and irrevocable license to use, copy, publicly perform, display, distribute and modify the Material to incorporate the Material into other works, and to sublicense the same, to the extent necessary for Nokia to provide the Service and as may be further adjusted by You in privacy and other settings of Service.

5. Using the Service

You agree to:

- Comply with applicable laws, the Terms and good manners;
- Use the Service only for your personal, non-commercial purposes;
- Not submit unlawful, offensive, abusive, pornographic, harassing, libelous or otherwise inappropriate Material;
- Obtain any consents, permission or licenses that may be legally required for you to submit any Material;
- Respect the privacy of others;
- Not distribute or post spam, unreasonably large files, chain letters, pyramid schemes, viruses; or
- Not use any other technologies or initiate other activities that may harm the Service, or the interest or property of the Service users.
- Agree to be responsible for the consequences of Material that you post.

Nokia may but has no obligation to:

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

6. Content

Before downloading or accessing any Content, please check whether the Content which you wish to access is restricted by age or marked as potentially 'offensive' or 'explicit'. Nokia shall not be responsible for any claims or offence caused or suffered by you accessing such Content.

You agree:

- To use the Content only for your personal, non-commercial purposes;
- To use the Content in accordance with the restrictions set out in the applicable laws, additional terms, guidelines and policies or on the product pages that apply to that particular piece of the Content;
- Not to, nor authorize anyone else, make copies, give, sell, resell, loan, rent, offer, broadcast, send, distribute, transfer, communicate to the public, reproduce, modify, display, perform, commercially exploit or make the Content available unless otherwise authorized in the applicable Terms. You agree to advise Nokia promptly of any such unauthorized use;
- Not to attempt (or support others) to remove, circumvent, reverse engineer, decrypt, or otherwise alter or interfere with any applicable usage rules or attempt to circumvent digital rights management or copy protection features associated with the Content or any other technologies used to control the access to or use of the Content or any identifying information associated with it;
- Not to attempt (or support others) to use any automated systems or means, except for those provided by us, for the selection or downloading of the Content;
- Not to give out your password or allow other people to access the Content. The restrictions on copying that apply to applicable media also apply to the Content accessed as part of this Service.

The Content is owned and/or controlled by Nokia and/or its respective licensors ("Rights Owners"), and are protected by intellectual property laws. You agree that the Rights Owners are third-party beneficiaries under the Terms and have the right to enforce the provisions that directly concern the Content in which they have rights.

7. 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, USA 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, as applicable.

8. Notices

Nokia may post notices within the Service. Nokia may also send you notices about products and Services to the email address or telephone number you have provided to us. You are deemed to have received such notices at the latest within seven (7) days from Nokia sending or posting those. Your continued use of the Services constitutes your receipt of all notices regardless of delivery method.

9. 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. The prices listed within the Service do not include possible data transmission charges and your network service provider may charge for such data transmission.

Nokia assumes no responsibility for the payment of any charges of your service providers.

10. Purchase and Payment Terms

To place an order within the Service, you must have reached the age of legal competence according to the applicable legislation. If you have not reached the age of legal competence, you may place orders only with the prior consent of your parent or legal guardian.

You agree that all orders placed shall be legally valid and binding. As used here, "order" shall mean the selection of the Content available in the Service accompanied by the entering and sending of payment method and information, as well as selecting the "buy", "ok" or "I accept" choice in the purchase order flow, or other indication of acceptance of your order that is presented to you in the purchase order flow. All orders are subject to acceptance by Nokia.

Any Content purchased through the Service is a binding agreement between you and Nokia. You may pay by credit or debit card, or other payment methods if available. Your credit or debit card must have a billing address in the country where the Service is available to enable you to make a purchase. Nokia will charge your credit card or debit your bank account within a reasonable time after you have made your purchase. All credit card payments are subject to validation checks and authorization by the card issuer.

You agree to ensure that the instrument of payment for the payment method used is valid at the time of the transaction, that you are the rightful holder of the instrument and that the instrument is used within its credit limits. You are bound by your electronic order and you agree to pay for related transactions.

The prices in the Service may change from time to time. Prices include applicable taxes in effect at the time of your transaction, unless otherwise stated. There may be instances where you incur additional charges from your bank or credit card provider based on currency conversion rates used and/or additional fees assessed. Nokia assumes no responsibility for the payment of such or any other third party service fees or charges.

11. Cancellations and Refunds

You agree to the electronic delivery of Content being initiated concurrently with the placement of your order. You will not be able to cancel your order once it has been processed. The nature of the Content is such that it cannot be returned.

In the event that after your purchase you discover and promptly inform Nokia within 48 hours that (a) the Content you have purchased is faulty; (b) the Content Nokia delivers to you does not match the description of the Content you ordered via the Service; or (c) technical problems delayed or prevented delivery of your Content or accidental multiple purchases caused by such technical problems, your sole and exclusive remedy with respect to such Content will be either replacement of such Content, or refund of the purchase price paid for such Content, as determined solely by Nokia. Otherwise, no refunds are available. If you encounter any of the above issues, please contact Nokia Customer Support.

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Please note that Nokia may not be able to process your customer support request if you are unable to provide your transaction ID, which is provided to you by Nokia following your purchase from the Service; provided you have supplied Nokia with a valid e-mail address at the time of purchase. Nokia may only process refunds for Content where the total price is above the monetary limit stipulated in applicable local legislation.

12. Feedback to Nokia

By submitting any ideas, feedback and/or proposals ("Feedback") to Nokia through the Service or other means, you acknowledge and agree that: (1) Nokia may have similar development ideas to the Feedback; (2) your Feedback does not contain confidential or proprietary information of you or any third party; (3) Nokia is not under any obligation of confidentiality with respect to the Feedback; (4) Nokia may freely use, exploit and further develop and modify such Feedback for any purpose; and (5) you are not entitled to any compensation of any kind from Nokia.

13. Social Activities and Location Sharing

You may use features in the Service to share your location, status or personal information. By using such features you agree that Nokia may use and provide such information to other services and persons with whom you choose to share this information. Users of these services and persons, such as your contacts, may see your location, status and/or personal information.

Your location may be determined using any available positioning method in your device e.g. GPS, assisted GPS (A-GPS) and mobile or WLAN network positioning. The use of network positioning and/or A-GPS includes exchanging network based location information and network service provider specific ID's between your device and the chosen network positioning server to establish your location more quickly and reliably. Used location method and other settings may be changed and certain features disabled by changing the settings in your device or service. Please check the privacy policies of your A-GPS server and other potential service providers.

Some features in the Service may enable you to share Content or Materials with other users, sites or services. By using such features you agree not to share Content or Material or to link to any service or site that: (a) contains content or other material that is illegal or inappropriate; or (b) exploits intellectual property rights without authorization or encourages users to piracy.

14. Availability and Technical Requirements

The availability of Content and Service may vary and is subject to Nokia's sole discretion. Nokia expressly disclaims any representation or warranty that any particular Content or Service will be available. The Service may not be available in all countries and may be provided only in selected languages. The Service, operations and some features may also be dependent on the network, compatibility of the devices used and the content formats supported.

To access the Service, you may need to download a specific piece of software developed by Nokia or by another party.

Nokia may, in its sole discretion, change, improve, correct or discontinue the Service or any part thereof. The Service may not be available during maintenance breaks and other times. 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 the installation. You may disable automatic checking for updates through settings in your device. You may also install software through available software update channels. Nokia may also provide updates to the Software that are considered important or critical by Nokia, and in such case you may not continue using the previous version of the Software and the use of the previous version of the Software or Service may be prevented without installation of the update.

15. 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).

16. Links to Third Party Sites and Content

Nokia may include access to sites and services on the Internet or preloaded clients that enable you to interact with sites and services that are owned or operated by third parties and that are not part of the Service. You must review and agree to the terms and conditions of such sites or services before using such sites or services.

You agree that Nokia has no control over the third party content, sites or services and assumes no responsibility for services provided or material created or published by such sites or services. 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, you and other users may create content and links to content within the Service that has not otherwise been submitted to the Service. You agree that Nokia is not responsible for any such content or links.

17. Advertisements

Service may include advertisements. Advertisements may be targeted to the content or information stored on the Service, queries made through the Service, or other information.

18. Personal Data

The Privacy Policy and any additional privacy information made available to you govern the use of your personal data.

19. 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, non-infringement, 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 its gross negligence or intentional misconduct, Nokia is not liable for any direct damages caused by your use or inability to use the Service. In no case will Nokia be liable for any indirect, incidental, punitive or consequential damages resulting from your use or inability to use the Service.

20. Indemnification

You agree to defend and indemnify Nokia from and against 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, and (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.

21. Miscellaneous

21.1 Choice of Law and Arbitration

Terms shall be governed by the laws of Finland without regard to its conflict of law provisions.

21.2 Validity

The Terms shall neither exclude nor limit any of your mandatory rights in your country of residence that cannot by law be waived. 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 of your registration shall remain valid after such termination.

21.3 Changes in Terms

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Nokia may modify the Terms at any time without prior notice. If the Terms are changed in a material, adverse way, Nokia will provide a separate 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.

22. 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.

23. Assignment

Nokia may assign its rights and obligations under these Terms to any Nokia corporate parent, subsidiary or company under common control with Nokia. Additionally, Nokia may assign its rights and obligations under these Terms to a third party in connection with a merger, acquisition, sale of assets, by operation of law or otherwise.

WE CARE ABOUT YOUR PRIVACY

Nokia is committed to protecting your privacy and to complying with applicable data protection and privacy laws. This Privacy Policy ("Policy") explains how we process personal data. 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 for processing of your personal data where Nokia is the data controller or where we refer to the applicability of this Policy.

We may provide additional privacy information in connection with our products and services through service descriptions and other notices. Such information prevails over this Policy to the extent of any conflict.

Third party services installed on your device may allow access to information available on your device. Our products or services may contain links to other companies' websites and services that have privacy policies of their own. We recommend that you read the privacy policies of such third party services. Nokia is not responsible for the privacy practices or contents of any such third party services.

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

What Data Do We Collect?

We collect your personal data typically when you make a purchase, use or register into our products and services, take part in a campaign or otherwise interact with us. Below are examples of the categories of data we collect.

- **Your use of our products and services** When you use our products and services your IP-address, access times, the website you linked from, pages you visit, the links you use, the content you viewed and other such information your browser provides us with is automatically collected by Nokia. Some of our mobile services may collect your unique mobile device identifiers, subscriber identity information, network service provider specific identifiers, network settings and other such information. When you use our products and services or otherwise interact with us over telecommunications networks, certain additional information, such as your mobile subscription number, may be transmitted to us by your mobile network provider.
- **Information you provide us with** We may ask you to provide us with information such as your name, email address, street address, user names and passwords, your consents, preferences and feedback, information relating to your devices, age, gender, postal code and language preferences. 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 information relating to your purchase and use of our products and services and your other interactions with us. Such information may include details of the queries or requests you have made, the products and services provided, delivery details, bank account number, 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.
- **Location data** Nokia's location based services and features may use satellite, WLAN or other network based location data, for example your IP-address. Assisted positioning methods of the device, for example Assisted GPS, provide you with faster and more accurate location data. Use of assisted positioning methods may involve exchanging your location data, wireless network identifiers along with your unique device or network service provider identifiers with a location server. Nokia processes this information anonymously. Depending on your positioning settings and your use of location services of other service providers your device may connect to other service providers' servers, which are not controlled or operated by Nokia. We recommend you to check the privacy policies of such service providers to understand how they process your location data. You can modify the positioning settings of your device from the device settings, for example change or disable positioning methods or location servers or modify the accuracy of your location data.

Nokia offers various location based services and features that may require the use of your location data. For example when you make a location based search, use location enhanced weather features or request for map data, your location data may be sent to Nokia to serve you with the right content. This may also include location based advertising. Some location based services may allow you to associate your personal data with your location. To learn more about available location based services and features, please refer to instructions and other support material for our products and services.

Why Do We Process Personal Data?

Nokia may process your personal data for the following purposes. Please note that one or more purposes may apply simultaneously.

- **Providing products and services** We may use your personal data to provide you with our products and services, to process your order or as otherwise may be necessary to perform the contract between you and Nokia, to ensure the functionality and security of our products and services, to identify you as well as to prevent and investigate fraud and other misuses.
- **Developing products and services** We may use your personal data to develop our products and services. However, for the most part we only use aggregate and statistical information for such purposes. 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, unless such personal data was collected for a different purpose.
- **Communicating with you** We may use your personal data to communicate with you, for example to send you critical alerts and other such notices relating to our products and/or services and to contact you for consumer care related purposes.

Marketing and making recommendations We may use your personal data to personalize our offering and to provide you with more relevant services, for example, to make recommendations and to display customized content and advertising in our services. This may include displaying Nokia and third party content. We may use your personal data for direct 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.

First use of your Nokia device

Depending on your device a Nokia Account may be created for you or you may need to sign in with your existing Nokia Account when you first use your device. In the activation process your user name, email address, mobile number, unique mobile device identifier and subscriber identity information will be sent to Nokia and we may associate this information with your Nokia Account. This combined information may be used to activate your warranty and certain software licenses and to send you personalized messages, for example emails, text and other messages. These messages may include information about Nokia's products and services, such as tips and commercial offers. You may unsubscribe from these messages at any time for example by following the information in the message you receive after taking your device into use, instructions in the device or in the

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messages, through available profile management tools or contacting Nokia customer care. The collected information may also be used to display personalized content as well as to improve Nokia's products and services. The above information may also apply in case you update the software of your device.

Do We Share Personal Data?

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

- **Your consent and social sharing services** We may share your personal data if we have your consent to do so. Some services may allow you to share your personal data with other users of the service or with other services and their users. Please consider carefully before disclosing any personal data or other information that might be accessible to other users.
- **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. This may include for example billing through your network service provider or otherwise, delivery of your purchases, providing services including customer service, managing and analyzing consumer data, credit checks, conducting market research and managing marketing and other such campaigns. When you purchase a Nokia product from us with a network service provider plan, we may need to exchange information with your network service provider to provide you with such service.

We may conduct joint marketing and other communications with our partners, for example your mobile operator. To avoid duplicate or unnecessary communications and to tailor the message to you we may need to match information that Nokia has collected with information that the partner has collected where this is permitted by law.

These authorized third parties are not permitted to use your personal data for any other purposes. We require them to act consistently with this Policy and to use appropriate security measures to protect your personal data.

- **International transfers of personal data** 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 reorganize 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.

How Do We Address The Privacy of Children?

Nokia products and services are typically intended for general audiences. Nokia does not knowingly collect information of children without the consent of their parents or guardians. Nokia publishes safety guidelines for using internet services in our websites.

How Do We Address Data Quality?

We take reasonable steps to keep the personal data we possess accurate and to delete 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. Please remember that in case of any changes it is your responsibility to update the personal data you have provided us with.

What Steps Are Taken To Safeguard Personal Data?

Privacy and security are key considerations in the creation and delivery of our products and services. We have assigned specific responsibilities to address privacy and security related matters. We enforce our internal policies and guidelines through an appropriate selection of activities, including proactive and reactive risk management, security engineering, training and assessments. We take appropriate steps to address online security, physical security, risk of data loss and other such risks taking into consideration the risk represented by the processing and the nature of the data being protected. Also, we limit access to our data bases containing personal data to authorized persons having a justified need to access such information.

How Do We Use Cookies and Web Beacons?

Cookies are small text files that are sent to your computer by a web server. We use cookies to provide benefits to you. Session cookies remember the previous activity performed by you, for example an item you placed in a shopping cart. Persistent cookies are used to save your preferences over multiple sessions, for example personalization of settings on our websites. Cookies may be used to display targeted ads and recommendations, for example to eliminate showing the same ads to you multiple times or showing ads that we think are of interest to you based on your past actions on our website. Cookies are also used to determine the effectiveness of our promotions and advertising campaigns and to improve our products and services.

Nokia may use web beacons (or "pixel tags") in connection with some of our 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 about visits from your IP-address.

Some Nokia websites or applications may utilize so called locally stored objects, such as Flash local shared objects ("Flash cookies") or HTML5 Web Storage. Locally stored objects are used for similar purposes as cookies but typically may contain a greater amount and different types of data than browser cookies. For example, in Flash you can use the Flash Player Settings Manager to control the storage of local shared objects, including disabling the local shared objects for certain websites only or disabling the storage of local shared objects completely for all websites.

Some Nokia websites use third party advertising technologies, such as DoubleClick, to serve ads. DoubleClick uses a cookie to collect information about your visits to Nokia and third party websites. This information will be used to serve ads on Nokia and third party websites. The collected information will not be directly personally identifiable nor will DoubleClick share the information with third parties. You may choose to disable the DoubleClick cookie at any time by using DoubleClick opt-out cookie. You may also go to <http://networkadvertising.org/> to install an opt-out cookie.

Most browsers allow you to disable or allow the use of cookies. You may also delete the cookies on your computer if your browser so permits. If you disable cookies, you may not be able to use certain parts of our services and you may need to re-install the opt-out cookie.

What Are Your Rights?

You have a right to know what personal data we hold about you. You have a right to have incomplete, incorrect, unnecessary or outdated personal data deleted or updated. You have a right to request that we stop processing your personal data for direct marketing or market research purposes. However, if you opt-out from marketing and other communications from Nokia, we may still send you critical alerts pertaining to our products and services or contact you for these purposes.

You may exercise your rights by contacting us through the contact points referred to below. In some cases, especially if you wish us to delete or stop processing your personal data, this may also mean that we may not be able to continue to provide the services to you. Please note that Nokia may need to identify you and to ask for additional information in order to be able to fulfill your request. Please also note that applicable law may contain restrictions and other provisions that relate to your rights.

We encourage you to use available profile management tools, for example Nokia Account for the above purposes as such tools often provide you with direct access to your personal data and allow you to effectively manage it.

Who Is The Controller of Your Personal Data?

120 Copyright and other notices

Nokia Corporation of Keilalahdentie 4, 02150 Espoo, Finland is 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

US Safe Harbor Privacy Framework

Nokia Inc., 102 Corporate Park Drive, White Plains, NY 10604 USA adheres to the EU-US/Swiss-US Safe Harbor Privacy Principles of Notice, Choice, Onward Transfer, Security, Data Integrity, Access and Enforcement, and is registered with the U.S. Department of Commerce's Safe Harbor Program. If you have questions or concerns about Nokia's participation in the Safe Harbor Framework, please contact:

Nokia Inc.,

102 Corporate Park Drive,

White Plains, NY 10604 USA.

Attention: Legal Director, North America.

If you believe Nokia Inc. has not satisfactorily addressed your data privacy concerns, you may contact the EU Data Protection Panel at: Data Protection Panel Secretariat, Rue de Luxembourg 46 (01/126) B-1000 Brussels, BELGIUM, or by visiting <http://circa.europa.eu/Public/irc/secureida/safeharbor/home>.

Changes to This Privacy Policy

Nokia may from time to time change this Policy or change, modify or withdraw access to this site at any time with or without notice. However, if this 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 recommend that you re-visit this Policy from time to time to learn of any such changes to this Policy.

Copyright and other notices

DECLARATION OF CONFORMITY

CE 0434

Hereby, NOKIA CORPORATION declares that this RM-684 product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the Declaration of Conformity can be found at http://www.nokia.com/phones/declaration_of_conformity/.

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For the most current product information, please refer to www.nokia.com.hk.

Reverse engineering of software in the device is prohibited to the extent permitted by applicable law. Insofar as this user guide contains any limitations on Nokia's representations, warranties, damages and liabilities, such limitations shall likewise limit any representations, warranties, damages and liabilities of Nokia's licensors.

The availability of particular products and applications and services for these products may vary by region. Please check with your Nokia dealer for details and availability of language options. This device may contain commodities, technology or software subject to export laws and regulations from the US and other countries. Diversion contrary to law is prohibited.

FCC NOTICE

Your device may cause TV or radio interference (for example, when using a telephone in close proximity to receiving equipment). The FCC 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.

Some operations and features are SIM card and/or network dependent, MMS dependent, or dependent on the compatibility of devices and the content formats supported. Some services are subject to a separate charge.

122 Copyright and other notices

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

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