

# Nokia E61i User Guide

9254199

Issue 1

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**CE 0434** 

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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.

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Your device may cause TV or radio interference (for example, when using a telephone in close proximity to receiving equipment). The FCC or Industry Canada can require you to stop using your telephone if such interference cannot be eliminated. If you require assistance, contact your local service facility. This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by Nokia could void the user's authority to operate this equipment.

Model number: E61i-1

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## For your 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 HOSPITALS

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



### SWITCH OFF IN AIRCRAFT

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



### SWITCH OFF WHEN REFUELING

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



### SWITCH OFF NEAR BLASTING

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



### USE SENSIBLY

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



### QUALIFIED SERVICE

Only qualified personnel may install or repair this product.



### ENHANCEMENTS AND BATTERIES

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



### WATER-RESISTANCE

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



### BACK-UP COPIES

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



### CONNECTING TO OTHER DEVICES

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



### EMERGENCY CALLS

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

## About your device

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

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

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

Your device supports internet connections and other methods of connectivity. Like computers, your device may be exposed to viruses, malicious messages and applications, and other harmful content. Exercise caution and open messages, accept connectivity requests, download content, and accept installations only from trustworthy sources. To increase the security of your devices, consider installing, using, and regularly updating antivirus software, firewall, and other related software on your device and any connected computer.



**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.

The office applications support common features of Microsoft Word, PowerPoint, and Excel (Microsoft Office 2000, XP, and 2003). Not all file formats can be viewed or modified.

## Network services

To use the phone you must have service from a wireless service provider. Many of the features require special network features. These features are not available on all networks; other networks may require that you make specific arrangements with your service provider before you can use the network services. Your service provider can give you instructions and explain what charges will apply. Some networks may have limitations that affect how you can use network services. For instance, some networks may not support all language-dependent characters and services.

Your service provider may have requested that certain features be disabled or not activated in your device. If so, these features will not appear on your device menu. Your device may also have a special configuration such as changes in menu names, menu order, and icons. Contact your service provider for more information.

This device supports WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols. Some features of this device, such as e-mail, browsing, multimedia messages,




and content downloading, require network support for these technologies.

## Enhancements, batteries, and chargers

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

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from the AC-3, AC-4 and AC-5 chargers and from ACP-7, ACP-8, ACP-9, ACP-12, LCH-12 and AC-1 when used with the CA-44 adapter.

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

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

## Basic information about your device



**Note:** Your service provider may have requested that certain features be disabled or not activated in your device. If so, they do not appear on your device menu. Your device may also have been specially configured for your network provider. This configuration may include changes in menu names, menu order and icons. Contact your service provider for more information.

Model numbers: Nokia E61i-1 and Nokia E61i-2.

The Nokia E61i-1 is equipped to work in Universal Mobile Telecommunications System (UMTS) networks, third-generation (3G) mobile communication networks with the potential for increased data transmission speeds and advanced services.

Hereinafter referred to as Nokia E61i.

An extended version of this user guide is available on the Nokia Web site.

When you switch the device on, it may recognize the SIM card provider and configure the correct text message, multimedia message, and GPRS settings automatically. If not, contact your service provider for the correct settings, or use the [Sett. wizard](#) application.

### Menu

The [Menu](#) is a starting point from which you can open all applications in the device or on a memory card. The

[Menu](#) contains applications and folders, which are groups of similar applications. Use the scroll key to scroll up and down on the screen.

Applications that you install are saved in the [Installat.](#) folder by default.

To open an application, scroll to it, and press the scroll key.

To view the applications in a list, select [Options](#) > [Change view](#) > [List](#). To return back to the grid view, select [Options](#) > [Change view](#) > [Grid](#).

To view the memory consumption of different applications and data stored on the device or memory card and to check the amount of free memory, select [Options](#) > [Memory details](#) and the memory.

To rearrange the folder, scroll to the application you want to move, and select [Options](#) > [Move](#). A check mark is placed beside the application. Scroll to a new location, and select [OK](#).

To move an application to a different folder, scroll to the application you want to move to another folder, and select [Options](#) > [Move to folder](#), the new folder, and [OK](#).

To download applications from the Web, select [Options](#) > [App. downloads](#).

To create a new folder, select [Options](#) > [New folder](#). You cannot create folders inside folders.

To rename a new folder, select [Options](#) > [Rename](#).



**Tip:** To switch between several open applications, press and hold the menu key. The application-switching window opens and displays the open applications. Scroll to an application, and press the scroll key to switch to it.

## Scroll and make selections

Use the scroll key to move and make selections. With the scroll key, you can move up, down, left and right in the **Menu** or in different applications or lists. You can also press the scroll key to open applications, files, or edit settings.

To select text, press and hold the shift key, and scroll left or right until you have selected the text.

To select different items, such as messages, files, or contacts, scroll up, down, left or right to highlight the item you want to select. Select **Options** > **Mark/Unmark** > **Mark** to select one item or **Options** > **Mark/Unmark** > **Mark all** to select all items.



To select an object (for example, an attachment in a document) scroll to the object so that square markers appear on each side of the object.

## Write text

Your device has a full keyboard. Most common punctuation marks either have a key of their own or they can be entered by pressing a combination of keys.

**Abc**, **ABC** and **abc** indicate the selected case.


Some characters (for example, punctuation marks and symbols) are marked with color on the keys. To insert a character marked with color, press the function key, and the key that has the character you want.

To insert a number, press the function key so that  is shown on the display, and a key with a number on the color background. To lock the function key and insert only numbers, press the function key twice so that  is shown on the display.

To erase a character, press the backspace key. Press and hold the backspace key to clear more than one character.

To open a list of special characters, press the Chr key. Use the scroll key to scroll through the list and select a character.

To add characters by using other keys such as "A" or "0", press and hold the Chr key and simultaneously press the other key as many times as is needed before the character you want is shown.

To switch between the different character cases, press the shift key, so that  is shown on the display.

## Copy and paste text

1. To select letters and words, press and hold the shift key. At the same time, scroll in the direction necessary to highlight the word, phrase, or line of text you want to copy. As the selection moves, the text is highlighted.
2. To copy the text to the clipboard, press Ctrl+C. To insert the text into a document, press Ctrl+V.

## Change the writing language

When you write text, you can change the writing language. When you are writing and press **Chr+a** key several times to use a specific character, changing the writing language gives you access to different characters.

For example, if you are writing a message using a non-Latin alphabet and want to add a person's name using Latin alphabets, select **Options** > **Writing language** and a writing language that uses Latin characters.

## Common actions in several applications

You can find the following actions in several applications:

To switch between open applications, press and hold the menu key to see a list of open applications. Select an application.

To change the profile or switch off or lock the device, press the power key briefly.

To save a file, select **Options** > **Save**. There are different save options depending on the application you use.

To send a file, select **Options** > **Send**. There are different send options depending on the application you use, such as e-mail or multimedia messages and infrared or Bluetooth connectivity.

To print to a compatible printer, select **Options** > **Printing options** > **Print**. You can preview items that you want to print, or edit the way printed pages look. Before you can print, you must define a compatible printer to your device. See "Print," p. 73.

To delete a file, press the backspace key, or select **Options** > **Delete**.

## Memory

There are two types of memory into which you can save data or install applications: device memory and removable memory.

### Memory details

Select **Menu**, and **Options** > **Memory details** and **Phone mem.** or **Memory card**.

You can see how much memory is currently in use, how much free memory remains, and how much memory is consumed by each data type. For example, you can see how much memory your e-mail messages, text documents, or calendar appointments consume.



**Tip:** To ensure that you have adequate memory, you should regularly delete or transfer data to a memory card or PC.

### Memory card

Your Nokia device supports the FAT16 and FAT32 file systems for memory cards. If you use a memory card

from another device or if you want to ensure compatibility of the memory card with your Nokia device, you may need to format the memory card with your Nokia device. However, all data in the memory card is permanently deleted if you format the memory card.

#### Format a memory card

When a memory card is formatted, all data on the card is lost permanently. Consult your retailer to find out if you must format the memory card before you can use it. To format a memory card, select **Options** > **Format mem. card**. When formatting is complete, enter a name for the memory card.

#### Back up and restore to the memory card

It is recommended to back up device memory regularly to the memory card. The information can be restored to your device later. To back up information from device memory to a memory card, select **Menu** > **Tools** > **Memory** > **Options** > **Backup phone mem.**. To restore information from the memory card to the device memory, select **Menu** > **Tools** > **Memory** > **Options** > **Restore from card**.

If you cannot use a memory card in your device, you may have the wrong type of memory card, the card may not be formatted for your device, or the card has a corrupted file system.



**Tip:** You can insert and remove a memory card without removing the battery or switching off the device.

## Installing applications

You can use Nokia PC Suite to install applications. Nokia PC Suite transfers the installation file to your device, and the installation starts automatically. You can also download an installation file from the web, in which case the installation may start automatically. If the installation does not start automatically, locate and select the installation file on your device, and press the scroll key.

## Voice aid

Select **Menu** > **Tools** > **Voice aid**.

The voice aid application reads text on the screen, allowing you to use basic functions of your device without looking at the display.

Select from the following:

- **Contacts** — Hear the entries in your contacts list. Do not use this option if you have more than 500 contacts.
- **Recent calls** — Hear information on your missed and received calls, dialed numbers, and frequent calls.
- **Voice mailbox** — Retrieve and listen to your voice messages.
- **Dialer** — Dial a telephone number.
- **Clock** — Hear the current time and date.

To hear more options, select **Options**.

## Hear your messages

### Message reader readiness

Message reader reads your received text messages aloud. The application is available in your device in English. To download additional languages, visit [www.nokia.com](http://www.nokia.com).

For additional information, refer to the reference leaflet included with your Nokia device.

Select **Menu** > **Office** > **Msg. reader**.

Select the text message you want to be read, and select **Play**. You can also activate **Msg. reader** by pressing and holding the left selection key when you receive a text message.

To start reading the next message in your **Inbox**, scroll right. To start reading the previous message, scroll left.

To pause the reading, press the left selection key briefly. To continue, press the left selection key briefly again.

To end the reading, press the end key.

### Speech

With **Speech** you can set the language, voice and voice properties for **Msg. reader**.

Select **Menu** > **Tools** > **Speech**.

### Voice properties

To edit the voice properties for the synthesized speech, select **Menu** > **Tools** > **Speech** > **Voice settings**.

Select from the following options:

- **Speed** — Select the desired speech rate.
- **Volume** — Set the volume level for the speech.


### Voice management

To manage the voices available for the selected language, select **Menu** > **Tools** > **Speech**, and scroll right.

Scroll to a voice, select **Options** and from the following:

- **Play voice** — Listen to the selected voice.
- **Voice details** — View information about the voice.
- **Delete** — Delete the selected voice.

## Profiles

 **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.

Select **Menu** > **Tools** > **Profiles**.

You can adjust and customize the ringing tones, alert tones, and other device tones for different events, environments, or caller groups.

To customize a profile, scroll to the desired profile in the list, and select **Options** > **Customize**.

Define the following settings:

- **Ringtone** — Select a ringing tone from the list, or select **Tone downloads** to open a bookmark folder containing a list of bookmarks for downloading tones using the browser. To listen to the selected tone, select **Play**. If you have two alternate phone lines in use, you can specify a ringing tone for each line.
- **Video call tone** — Select a ringing tone for video calls. This option is available only if your device is equipped to work within UMTS networks and you have UMTS network coverage. See "UMTS (3G)," p. 54.
- **Say caller's name** — Activate the text-to-speech ringing tone feature. When someone from your contacts list calls you, the device sounds a ringing tone that is a combination of the spoken name of the contact and the selected ringing tone.
- **Ringtone type** — Select how you want the ringing tone to alert.
- **Ringtone volume** — Select the volume level of the ringing tone.
- **Message alert tone** — Select a tone for received text messages.
- **E-mail alert tone** — Select a tone for received e-mail messages.
- **Vibrating alert** — Select whether you want the device to vibrate when you receive a call.
- **Keypad tones** — Set the volume level of the device keypad tones.
- **Warning tones** — Set the warning tones on or off.
- **Alert for** — You can set the device to ring only upon calls from phone numbers that belong to a selected contact group. Phone calls coming from outside that group have a silent alert.

- **Profile name** — You can give a name to a new profile or rename an existing profile. The **Normal** and **Offline** profiles cannot be renamed.

The **Offline** profile prevents your device from accidentally switching on, sending or receiving messages, or using Bluetooth; it also closes any Internet connection that may be in operation when the profile is selected. The **Offline** profile does not prevent you from establishing a wireless LAN connection at a later time, so comply with any applicable safety requirements when establishing and using wireless LAN connections.

To change a profile, scroll to the desired profile in the list, and select **Options** > **Activate**. If you select the **Offline** profile, you cannot send or receive messages or use WLAN to read your e-mails.

To create a new profile, select **Options** > **Create new**, and define the settings.

## Themes

Select **Menu** > **Tools** > **Themes**.

You can change the look of the display of your device.

To change the look of the display, highlight the theme you want to use, and select **Options** > **Apply**.

To edit a theme, highlight the theme you want to edit, and select **Options** > **Edit**. Select **Wallpaper** to change the background image in the standby modes, or **Power saver** to use a text or the date and time as a power saver that appears on the display when no key presses have been made for a some time.

To download themes, you need to establish a network connection that allows you to download themes from Internet sources that are compatible with your device.

To download a theme, select **Theme downloads**. Enter the link from which you want to download your theme. Once the theme is downloaded you can preview, activate, or edit it.

To preview a theme, highlight the theme you want to preview, and select **Options** > **Preview**. Select **Apply** to start using the new theme.

## Search

Select **Menu** > **Office** > **Search**.

With Search, you can search for information in your contacts, notes, calendar appointments, to-do notes, e-mail messages, multimedia messages, and text messages. You can also search for files by the file names in your device memory and memory card.

1. Select the content types you want to search in. To remove the selection, select it again. To include all content types in your search, select **Select all**. To remove all content types, select **Unselect all**.
2. Enter your search keywords or some part of the keywords. To include two words in your search, separate them with a space. You will only find items that contain both keywords.
3. Select **Search**.



**Tip:** Wildcards may help you find items. In your search keyword, use ? to substitute a single character and \* to substitute zero or more

characters. If you use the ? or \* wildcard, you must add \* to the beginning and end of a search keyword, for example, **\*s?all\*** ("shall") or **\*dev\*ment\*** ("development").

To view the search results from your previous search, select **Options** > **Previous results**.

## Notification light

You can set the notification light on the cover of your device to blink when you have received a new message or when you have missed a phone call.

To define the notification light settings, select **Menu** > **Tools** > **Settings** > **Phone** > **Notification light**.

To set the time how long you want the notification light to blink, scroll to **Blink light for** and press the scroll key. To select whether you want to be notified of new short messages, multimedia messages, e-mail messages, and missed phone calls, scroll to **Notified events** and press the scroll key.



## Transfer content between devices

You can transfer content, such as contacts, from a compatible Nokia device to your Nokia E61i using Bluetooth connectivity or infrared. The type of content that can be transferred depends on the phone model. If the other device supports synchronization, you can also synchronize data between the other device and your Nokia E61i.

### Transfer data with Bluetooth or infrared



**Tip:** If you transfer data from your previous device, the device may require you to insert the SIM card. Your Nokia E61i does not need a SIM card when transferring data.

To start transferring data from a compatible device, select **Menu** > **Tools** > **Transfer** > **Transfer data**.

#### Bluetooth connectivity

1. In the information view, select **Continue**.
2. Select **Via Bluetooth**. Both devices must support the selected connection type.
3. Activate Bluetooth in your other device, and select **Continue** in your Nokia E61i to start searching for devices with active Bluetooth connectivity.
4. Select **Stop** in your Nokia E61i after it has found your other device.

5. Select your other device from the list. You are asked to enter a passcode (1 to 16 digits) on your Nokia E61i. The passcode is used only once to confirm this connection.
6. Enter the code on your Nokia E61i, and select **OK**. Enter the passcode on your other device, and select **OK**. The devices are now paired. See "Pair devices," p. 57.

For some phone models, the **Transfer data** application is sent to your other device as a message. To install **Transfer data** on your other device, open the message, and follow the instructions on the display.

7. From your Nokia E61i, select the content you want to transfer from your other device, and **OK**.

#### Infrared connectivity

1. In the information view, select **Continue**.
2. Select **Via infrared**. Both devices must support the selected connection type.
3. Connect the two devices. See "Infrared," p. 59.
4. From your Nokia E61i, select the content you want to transfer from your other device, and **OK**.

Content is copied from the memory of the other device to the corresponding location in your device. Copying time depends on the amount of data to be transferred. You can also cancel and continue later.

The necessary steps for data transfer may vary depending on your device, and whether you have interrupted data transfer earlier. The items that you can transfer vary depending on the other device.

## Synchronize data with another device

If you have previously transferred data to your Nokia E61i, and your other device supports synchronization, you can use **Transfer** to keep the data of the two devices up to date.

1. Select **Phones**, and press the scroll key.
2. Scroll to the device from which you transferred data, and press the scroll key.
3. Select **Synchronize**, and press the scroll key. The devices start synchronizing using the same connection type that you selected when you originally transferred data. Only the data that you originally selected for data transfer is synchronized.

To modify the data transfer and synchronization settings, select **Synchronize**, scroll to a device, press the scroll key, and select **Edit**.

# Messages

Select **Menu** > **Message..**

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

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

- Insert a valid SIM card in the device and be located in a service area of the cellular network.
- Verify that the network supports the messaging features you want to use and that they are activated on your SIM card.
- Define Internet access point (IAP) settings on the device. See "Access points," p. 90.
- Define e-mail account settings on the device. See "E-mail account settings," p. 32.
- Define SMS settings on the device. See "Text message settings," p. 31.
- Define MMS settings on the device. See "Multimedia message settings," p. 31.

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

## Organize messages

To create a new folder to organize your messages, select **My folders** > **Options** > **New folder**. Enter the folder name, and select **OK**.

To rename a folder, select the folder and **Options** > **Rename folder**. Enter the new folder name, and select **OK**. You can only rename folders that you have created.

To move a message to another folder, open the message, and select **Options** > **Move to folder**, the folder, and **OK**.

To sort messages in a specific order, select **Options** > **Sort by**. You can sort the messages by **Date**, **Sender**, **Subject**, or **Message type**.

## Search for messages

To search for a message, open the folder in which you want to search, select **Options** > **Find**. Enter the search term, and select **OK**.

## E-mail messages

To receive and send mail, you must have a remote mailbox service. This service may be offered by an Internet service provider, a network service provider, or your company. Your device is compliant with Internet

standards IMAP4 (revision 1) and POP3, and a range of e-mail solutions. Other e-mail providers may offer services with different settings or features than those described here.

Before you can send, receive, retrieve, reply to, and forward mail on your device, you must also do the following:

- Configure an Internet access point (IAP). Access points may already be configured in your device. See "Access points," p. 90.
- Set up an e-mail account, and define the e-mail settings correctly. Depending on your device, you can use the mailbox guide, settings wizard, or define the settings manually.

Follow the instructions from your remote mailbox and Internet service providers. Contact your network and Internet service providers or operator for the correct settings.

## Set up your e-mail with the mailbox guide


If you select **Mailbox** in the messaging main view and have not set up your e-mail account, you are prompted to do so. To start setting up the e-mail account with the mailbox guide, select **Yes**.

1. To start entering the e-mail settings, select **Start**.
2. In **Mailbox type**, select **IMAP4** or **POP3**, and select **Next**.



**Tip:** POP3 is a version of the post office protocol that is used to store and retrieve

e-mail or Internet mail messages. IMAP4 is a version of the Internet message access protocol that lets you access and manage e-mail messages while the messages are still on the e-mail server. You can then choose which messages to download to your device.

3. In **My e-mail address**, enter your e-mail address. Select **Next**.
4. In **Incoming mail serv.**, enter the name of the remote server that receives your e-mail, and select **Next**.
5. In **Outgoing mail serv.**, enter the name of the remote server that sends your e-mail, and select **Next**. Depending on your mobile operator, you might have to use your mobile operator's outgoing mail server instead of your e-mail provider's.
6. In **Access point**, select the Internet access point your device should use when it retrieves the e-mails. If you select **Always ask**, each time the device starts to retrieve e-mail, it asks which Internet access point it should use, but if you select an access point, the device makes the connection automatically. Select **Next**.  
 **Tip:** If you select **Select group**, the device makes the connection automatically using the best available Internet access point from the access point group. Select the access point group and **Back** to save the selection.
7. Enter a name for your new mailbox, and select **Finish**.

When you create a new mailbox, the name you give to the mailbox replaces **Mailbox** in the **Messag.** main view.

#### Select your default mailbox

If you have defined several mailboxes, you can select one of them as your default mailbox. To define the default mailbox, select **Options** > **Settings** > **E-mail** > **Default mailbox** and the mailbox.

If you have defined several mailboxes, you must select the mailbox that you want to use every time you start composing a new e-mail message.

### Configure the e-mail key

Your device has an e-mail key. With the e-mail key, you can access your default e-mail inbox or open your default e-mail editor from the active standby. The functionality depends also on your mailbox service provider.

To configure the e-mail key, select **Menu** > **Tools** > **E-mail key**. Select the e-mail account that you want to use with the e-mail key.

### Connect to mailbox

E-mail addressed to you is not automatically received by your device, but by your remote mailbox. To read your e-mail, you must first connect to the remote mailbox and retrieve the e-mails to your device.

To retrieve received e-mail messages to your device, select your mailbox in the **Messag.** main view. When the device asks **Connect to mailbox?**, select **Yes**.

To view e-mail messages in a folder, scroll to the folder, and press the scroll key. Scroll to a message, and press the scroll key.

To retrieve e-mail messages to your device, select **Options** > **Retrieve e-mail** > **New** to retrieve new messages that you have neither read nor retrieved, **Selected** to retrieve only messages you select from the remote mailbox, or **All** to retrieve all messages not previously retrieved.

To disconnect from a remote mailbox, select **Options** > **Disconnect**.

### View e-mail offline

Working offline means that your device is not connected to a remote mailbox. Managing your e-mail offline enables you to save in connection costs and work in conditions that do not allow a data connection. Any changes you make in the remote mailbox folders while offline take effect in your remote mailbox the next time you go online and synchronize. For example, if you delete an e-mail from your device when offline, the e-mail is deleted from the remote mailbox the next time you connect to the mailbox.

1. Select **Messag.** > **Options** > **Settings** > **E-mail**. Select the e-mail account, and press the scroll key. Select **Retrieval settings** > **E-mail to retrieve** > **Msgs. & attaches.** to retrieve entire messages with their attachments to your device.
2. Open your mailbox, and select **Options** > **Retrieve e-mail**. Select **New** to retrieve new messages that you have neither read nor retrieved, **Selected** to retrieve only messages you select from the remote

mailbox, or **All** to retrieve all messages not previously retrieved. The device goes online and connects to the mailbox to retrieve the mails.

3. After retrieving the e-mails, select **Options** > **Disconnect** to return to the offline mode.
4. To view an e-mail message, scroll to it, and press the scroll key.

Some options require you to connect to your remote mailbox.



**Tip:** To subscribe to other folders in your remote mailbox, select **E-mail settings** > **Retrieval settings** > **Folder subscriptions**. E-mail in all subscribed folders is updated when you retrieve e-mail from your remote mailbox.

## Read and reply to e-mail



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

To read a received e-mail, scroll to the e-mail, and press the scroll key.

To search for an e-mail in your mailbox, select **Options** > **Find**. Enter the search term, and select **OK**.

To open an attachment, select **Options** > **Attachments**. Scroll to the attachment, and press the scroll key.

To reply only to the sender of an e-mail, open the e-mail, and select **Options** > **Reply** > **To sender**.

To reply to all recipients of an e-mail, open the e-mail, and select **Options** > **Reply** > **To all**.



**Tip:** If you reply to an e-mail that contains attached files, the attachments are not included in the reply. If you forward the received e-mail, attachments are included.

To delete an attachment from an e-mail that you are sending, select the attachment and **Options** > **Remove**.

To set the message priority, select **Options** > **Sending options** > **Priority** and from the available options.

To call the sender of the e-mail, open the e-mail, and select **Options** > **Call**.

To reply to the sender of the e-mail with a text message or multimedia message, open the e-mail, and select **Options** > **Create message**.

To forward an e-mail, open the e-mail, and select **Options** > **Forward**.

## Delete messages

To free up memory space on your device, regularly delete messages from the **Inbox** and **Sent** folders, and delete retrieved e-mail messages.

To delete a message, scroll to it, and press the backspace key.

You can select to delete local e-mail messages on the device and keep the original on the server, or you can delete both the local e-mail messages on the device and the original messages on the server.

To delete e-mails from the device only, select **Options** > **Delete** > **Phone (header remains)**.

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

## E-mail folders

If you create subfolders in your IMAP4 mailboxes on a remote server, you can view and manage these folders with your device. You can only subscribe to folders in your IMAP4 mailboxes. Subscribing to folders in a remote mailbox allows you to view those folders on your device.

To view folders in your IMAP4 mailbox, establish a connection, and select **Options** > **E-mail sett.** > **Retrieval settings** > **Folder subscriptions**.

To view a remote folder, select a folder and **Options** > **Subscribe**. Every time you go online, the subscribed folders are updated. This may take some time if the folders are large.

To update the list of folders, select a folder and **Options** > **Update folder list**.

## Write and send e-mail

To write an e-mail, select **Options** > **Add recipient** to select the recipients' e-mail addresses from the contacts list, or enter the e-mail addresses in the **To** field. Use a semicolon to separate entries. Scroll down, and use the **Cc** field to copy other recipients, or the **Bcc** field to blind copy recipients. In the **Subject** field,

enter the subject of the e-mail. Enter your e-mail message in the text area, and select **Options** > **Send**.

To attach a file to an e-mail, select **Options** > **Insert** and the attachment you want to add. You can insert images, sound clips, notes, and other files, such as office files.

To set the sending time for an e-mail message, select **Options** > **Sending options** > **Send message**. Select **Immediately** or **When conn. avail.** if you are working offline.

E-mail messages are stored in the **Outbox** before sending. Unless the e-mail is sent immediately, you can open the **Outbox** and suspend and resume sending or view the e-mail.

## Text messages

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

## Write and send text messages

Select **Menu** > **Messag.** > **New message** > **Text message**.

1. In the **To** field, press the scroll key to select recipients from **Contacts**, or enter the recipients' mobile phone numbers manually. If you enter more

than one number, separate the numbers with a semicolon.

2. Enter the text of the message. To use a template, select **Options** > **Insert** > **Template**.
3. Select **Options** > **Send** to send the message.

## Reply to received text messages

To reply to a text message, open the message from the **Inbox**. Select **Options** > **Reply**. Enter the text of the message, and select **Options** > **Send**.

To call the sender of a text message, open the message from the **Inbox**, and select **Options** > **Call**.

## Text messages on the SIM card

Text messages may be stored on your SIM card. Before you can view SIM messages, you must copy the messages to a folder in the device. After copying the messages to a folder, you can view them in the folder or delete them from the SIM card.

Select **Options** > **SIM messages**.

1. Select **Options** > **Mark/Unmark** > **Mark** or **Mark all** to mark every message.
2. Select **Options** > **Copy**.
3. Select a folder and **OK** to begin copying.

To view SIM card messages, open the folder where you copied the messages, and open a message.

To delete a text message from the SIM card, select the message, and press the backspace key.

## Picture messages



**Note:** The picture message function can be used only if it is supported by your service provider. Only compatible devices that offer picture message features can receive and display picture messages. The appearance of a message may vary depending on the receiving device.

Select **Menu** > **Mesag..**

To view a picture message, open the message from the **Inbox** folder.

## Forward picture messages

1. In the **Inbox**, open a picture message and select **Options** > **Forward**.
2. In the **To** field, enter a recipient's number, or press the scroll key to add a recipient from **Contacts**. If you enter more than one number, separate the numbers with a semicolon.
3. Enter the text of your message. The text can have 120 characters. To use a template, select **Options** > **Insert** > **Template**.
4. To send the message, press the call key.



**Tip:** To remove the picture from the message, select **Options** > **Remove picture**.



## Multimedia messages

A multimedia message (MMS) can contain text and objects such as images, sound clips, or video clips.

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

Before you can send or receive multimedia messages on your device, you must define the multimedia message settings. Your device may have recognized the SIM card provider and automatically configured the multimedia message settings. If not, contact your service provider. See "Multimedia message settings," p. 31.

### Create and send multimedia messages

Select [New message](#) > [Multimedia message](#).

1. In the **To** field, press the scroll key to select recipients from **Contacts**, or enter the recipients' mobile phone numbers or e-mail addresses manually.
2. In the **Subject** field, enter a subject for the message. To change the fields that are visible, select [Options](#) > [Address fields](#).
3. Enter the text of the message, and select [Options](#) > [Insert object](#) to add media objects. You can add objects such as [Image](#), [Sound clip](#), or [Video clip](#).

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.

4. Each slide of your message can contain only one video or audio clip. To add more slides to your message, select [Options](#) > [Insert new](#) > [Slide](#). To change the order of slides in your message, select [Options](#) > [Move](#).
5. To preview a multimedia message before sending it, select [Options](#) > [Preview](#).
6. Press the scroll key to send the multimedia message.

### Create presentations

Select [New message](#) > [Multimedia message](#).

1. In the **To** field, press the scroll key to select recipients from **Contacts**, or enter the recipients' mobile phone numbers or e-mail addresses manually.
2. Select [Options](#) > [Create presentation](#) and a presentation template.



**Tip:** A template may define which media objects you can include in the presentation, where they appear, and which effects are displayed between images and slides.

3. Scroll to a text area and enter the text.
4. To insert images, sound, video, or notes in your presentation, scroll to the corresponding object area, and select [Options](#) > [Insert](#).



**Tip:** To move between object areas, scroll up and down.

5. To add slides, select **Insert** > **New slide**.
6. Select **Options** and from the following:
  - **Preview** — See what your multimedia presentation looks like when it is opened. Multimedia presentations may only be viewed in compatible devices that support presentations. They may appear different in different devices.
  - **Backgrnd. settings** — Select the background color for the presentation and background images for different slides.
  - **Effect settings** — Select effects between images or slides.

Creating multimedia presentations is not possible if **MMS creation mode** is **Restricted**. To change **MMS creation mode**, select **Msgag.** > **Options** > **Settings** > **Multimedia message**.

The available options may vary.

To send your multimedia presentation, press the scroll key.



**Tip:** To save the message in **Drafts** without sending it, select **Done**.

## Receive and reply to multimedia messages



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

Before you can send or receive multimedia messages on your device, you must define the multimedia message settings. Your device may have recognized the SIM card provider and automatically configured the multimedia message settings. If not, contact your service provider. See "Multimedia message settings," p. 31.

If you receive multimedia messages containing objects unsupported by your device, you cannot open them.

1. To reply to a multimedia message, open the message from the **Inbox**, and select **Options** > **Reply**.
2. Select **Options** > **To sender** to reply to the sender with a multimedia message or **Options** > **Via text message** to reply to the sender with a text message.
3. Enter the text of the message, and press the scroll key to send it.

## View presentations

Open the **Inbox**, scroll to a multimedia message that contains a presentation, and press the scroll key. Scroll to the presentation, and press the scroll key.

To pause the presentation, press either selection key below the display.

After you pause the presentation or playing finishes, select **Options** and from the following:

- **Open link** — Open a Web link and browse the Web page.
- **Activate scrolling** — Scroll text or images too large to fit on the display.
- **Continue** — Resume playing the presentation.

- **Play** — Replay the presentation from the start.
- **Find** — Find phone numbers and e-mail or Web addresses the presentation may contain. You may use these numbers and addresses to make calls, send messages, or create bookmarks, for example.

The available options may vary.

## View media objects

Open the **Inbox**, scroll to a received multimedia message and press the scroll key. Select **Options** > **Objects**.

To view or play a media object, scroll to it, and press the scroll key.

Media objects and message attachments may contain viruses or other harmful software. Do not open any objects or attachments unless you are sure of the trustworthiness of the sender.

To save a media object in its corresponding application, scroll to the object, and select **Options** > **Save**.

To send a media object to compatible devices, scroll to it, and select **Options** > **Send**.



**Tip:** If you receive multimedia messages that contain media objects your device cannot open, you may be able to send these objects to another device such as a computer.

## Instant messaging

Select **Menu** > **Connect** > **IM**.

Instant messaging (IM) (network service) allows you to converse with other people using instant messages and join discussion forums (IM groups) with specific topics. Various service providers maintain IM servers that you can log in to after you register to an IM service. Service providers may differ in their support of features.

If IM is not available from your wireless service provider, it may not appear in the menu of your device. Contact your service provider for more information about signing up for IM services and costs for services. For more information on the availability of IM settings, contact your network operator, service provider, or dealer.

You may receive the settings in a special text message from the network operator or service provider that offers the IM service. You must save the settings to access the service that you want to use. You can also enter the settings manually.

## Connect to an IM server

To converse with an IM user or users, and to view and edit your IM contacts, you must log into the instant messaging server. Open **IM**, and select **Options** > **Login**. Enter your user ID and password, and press the scroll key to log in. You can obtain the user name, password, and other settings to log in from your service provider when you register for the service.

## Search IM users or IM groups

To search for IM users and user IDs, select **IM contacts** > **Options** > **New IM contact** > **Search**. You can search by

User's name, User ID, Phone number, and E-mail address.

To search for IM groups and group IDs, select **IM groups** > **Options** > **Search**. You can search by **Group name**, **Topic**, and **Members** (user ID).

## Conversations with a single IM user

The **Conversations** view shows a list of the individual conversation participants with whom you have an ongoing conversation. Ongoing conversations are automatically closed when you exit IM.

To view a conversation, scroll to a participant, and press the scroll key.

To continue the conversation, enter your message, and press the scroll key.

To return to the conversations list without closing the conversation, select **Back**. To close the conversation, select **Options** > **End conversation**.

To start a new conversation, select **Options** > **New conversation**. You can start a new conversation with a different contact while you are inside another active conversation. However, you cannot have two active conversations with the same contact.

To insert an image to an instant message, select **Options** > **Send image**, and select the image you want to send.

To save a conversation participant to your IM contacts, select **Options** > **Add to IM contacts**.

To save a conversation, while in the conversation view, select **Options** > **Record chat**. The conversation is saved as a text file that can be opened and viewed in the **Notes** application.

To send automatic replies to incoming messages, select **Options** > **Set auto reply on**. You can still receive messages.

## IM groups

The **IM groups** view shows a list of the IM groups that you have saved or to which you are currently joined.

**IM groups** is available only if you logged into an IM server when you opened the IM application, and the server supports IM groups.

To create an IM group, select **Options** > **Create new group**.

To join an IM group or to continue a group conversation, scroll to the group, and press the scroll key. Enter a message, and press the call key to send it.

To join an IM group that is not on the list, but for which you know the group ID, select **Options** > **Join new group**.

To leave the IM group, select **Options** > **Leave IM group**.

To remove an IM group, press the backspace key.

## Ban from groups

Scroll to the IM group, and select **Options** > **Group** > **Settings** > **Banned list**.

To prevent IM users from joining the group, select **Options** > **Add to banned list** and from the following:

- **From IM contacts** — Ban one or several of your IM contacts.
- **Enter user ID** — Enter the ID of the IM user.

To allow a banned user to join the group, select **Options** > **Remove**.

## IM contacts

When login to an IM service is complete, your contact list for the service provider is retrieved automatically. If your contact list is not available, wait a few minutes and try to retrieve your contacts list manually.



**Tip:** The online status of your IM contacts is shown by an indicator next to the contact name.

To create an IM contact card, select **Options** > **New IM contact**. Enter the user ID and a nickname, and select **Done**. The user ID can be up to 50 characters, and the IM service provider may require the user ID to be in the username@domain.com format. The nickname is optional.

To view a different list of your IM contacts, select **Options** > **Change contact list**.

Scroll to an IM contact, select **Options** and from the following:

- **Open conversation** — Start or continue instant messaging with the contact.
- **Contact details** — View the contact card.

- **Editing options** — Edit or delete the contact card, move it to another contact list, or receive a note when the contact's online status changes.
- **Belongs to groups** — See the IM groups the contact has joined.
- **New contact list** — Create a contact list for a specific group of IM contacts.
- **Reload users' availab.** — Update the online status of your IM contacts.
- **Blocking options** — Prevent or allow the reception of messages from the contact.
- **Login** — Connect to an instant messaging server if you did not log in when you opened the application.
- **Logout** — Disconnect from the IM server.
- **Settings** — Edit instant messaging application or server settings.

The available options may vary.

To delete an IM contact, press the backspace key.

## Blocked contacts

Select **IM contacts** > **Options** > **Blocking options** > **View blocked list**.

To find a blocked IM user, enter the first letters of the user's name. Matching names appear in a list.

To allow receiving messages from a blocked IM user, select **Options** > **Unblock**.

To prevent receiving messages from other IM users, select **Options** > **Block new contacts**. Select the IM user from your IM contacts, or enter the user ID.

## Settings

Select [Options](#) > [Settings](#) > [IM settings](#).

Select from the following settings:

- **Use screen name** — To change the name that identifies you in IM groups, select **Yes**.
- **Allow messages from** — Select to receive instant messages from all other IM users, your IM contacts only, or not to receive messages at all.
- **Allow invitations from** — Select to receive invitations to IM groups from all IM users, your IM contacts only, or not to receive invitations at all.
- **Msg. scrolling speed** — To decrease or increase the speed at which new messages are displayed, scroll left or right.
- **Sort IM contacts** — Select to list your IM contacts alphabetically or by their online status.
- **Availabil. reloading** — To update the online status of your IM contacts automatically, select **Automatic**.
- **Offline contacts** — Select if IM contacts with an offline status are shown in the IM contacts list.

The settings available for editing may vary. Contact your service provider for more information.

### IM server settings

Select [Options](#) > [Settings](#) > [Server settings](#).

Scroll to the following options, and press the scroll key to configure your IM server:

- **Servers** — Add new, edit, or delete servers.
- **Default server** — Change the server to which your device automatically logs into, scroll to the desired server, and press the scroll key.

- **IM login type** — To establish a connection between your device and the default server automatically, select **Automatic**. Select **Auto. in home network** to automate the connection when in your home network. Select **On app. start-up** to connect to the server when you open the messaging application. Select **Manual** to connect to the server manually at any time.

## Special messages

Your device can receive many kinds of messages that contain data:

- **Operator logo** — To save the logo, select [Options](#) > [Save](#).
- **Ringing tone** — To save a ring tone, select [Options](#) > [Save](#).
- **Configuration message** — You may receive settings from your network operator, service provider, or company information management department in a configuration message. To accept the settings, open the message, and select [Options](#) > [Save all](#).
- **E-mail notification** — The note tells you how many new e-mails you have in your remote mailbox. An extended notification may list more detailed information.

## Send service commands

Send a service request message to your service provider and request activation for certain network services.

To send a service request to your service provider, select **Options** > **Service command**. Enter the service request as a text message, and select **Options** > **Send**.

## Message settings

Fill in all fields marked with **Must be defined** or with a red asterisk.

Your device may recognize the SIM card provider and automatically configure the correct text message, multimedia message, and GPRS settings. If not, contact your service provider for the correct settings, order the settings from your service provider in a configuration message, or use the Settings wizard application.

## Text message settings

Select **Options** > **Settings** > **Text message**.

Define the following:

- **Message centers** — View the available message centers for your device.
- **Msg. center in use** — Select a message center to send the message.
- **Character encoding** — Select **Reduced support** to use automatic character conversion to another encoding system when available.
- **Receive report** — Select **Yes** if you want the network to send you delivery reports on your messages (network service).
- **Message validity** — Select the length of time that the message center continues to resend your message if the first attempt fails (network service). If the recipient cannot be reached within the validity

period, the message is deleted from the message center.

- **Message sent as** — Convert the message to another format, such as **Text**, **Fax**, **Paging** or **E-mail**. Change this option only if you are sure that your message center is able to convert text messages into these other formats. Contact your network operator.
- **Preferred conn.** — Select the preferred method of connection when sending text messages from your device.
- **Reply via same ctr.** — Select whether you want the reply message to be sent using the same text message center number (network service).

## Multimedia message settings

Select **Options** > **Settings** > **Multimedia message**.

Define the following settings:

- **Image size** — Select **Small** or **Large** to scale images in multimedia messages. Select **Original** to maintain the original image size of multimedia messages.
- **MMS creation mode** — Select **Restricted** to have your device prevent you from including content in multimedia messages that may not be supported by the network or the receiving device. To receive warnings about including such content, select **Guided**. To create a multimedia message with no restrictions on attachment type, select **Free**. If you select **Restricted**, creating multimedia presentations is not possible.
- **Access point in use** — Select the default access point to connect to the multimedia message center. You

may not be able to change the default access point if it is preset in your device by your service provider.

- **Multimedia retrieval** — Select **Always automatic** to always receive multimedia messages automatically, **Auto. in home network** to receive notification of a new multimedia message that you can retrieve from the message center (for example, when you are traveling abroad and are outside your home network), **Manual** to retrieve multimedia messages from the message center manually, or **Off** to prevent receipt of any multimedia messages.
- **Allow anon. msgs.** — Select whether you want to receive messages from unknown senders.
- **Receive ads** — Select whether you want to receive messages defined as advertisements.
- **Receive report** — Select **Yes** to have the status of the sent message to be shown in the log (network service). Receiving a delivery report of a multimedia message that has been sent to an e-mail address may not be possible.
- **Deny report sending** — Select **Yes** to not send delivery reports from your device for received multimedia messages.
- **Message validity** — Select the length of time that the message center continues to resend your message if the first attempt fails (network service). If the recipient of a message cannot be reached within the validity period, the message is removed from the multimedia messaging center. **Maximum time** is the maximum amount of time allowed by the network.

## E-mail account settings

Select **Menu** > **Messag.** > **Options** > **Settings** > **E-mail**.

If you have not defined a mailbox yet, select **Mailbox in use**, and press the scroll key. The mailbox guide opens and helps you set up your e-mail account.

If you have defined a mailbox, select the mailbox, and press the scroll key to edit the settings.

The settings available for editing may vary. Some settings may be preset by your service provider.

### Settings for the received e-mail

Select **Incoming e-mail** and from the following settings:

- **User name** — Enter the user name for the e-mail service.
- **Password** — Enter the password for the e-mail service.
- **Incoming mail serv.** — Enter the IP address or host name of the server that receives your e-mail.
- **Access point in use** — Select the Internet access point that the device uses for retrieving the e-mail messages that you receive.
- **Mailbox name** — Enter a name for the mailbox.
- **Mailbox type** — Select the mailbox protocol that your remote mailbox service provider recommends. The options are **POP3** and **IMAP4**. This setting can be selected only once and cannot be changed if you have saved or exited from the mailbox settings. If you use the POP3 protocol, e-mail messages are not updated automatically when you are online. To see the latest e-mail messages, you must disconnect and make a new connection to your mailbox.



- **Security (ports)** — Select the security option used to increase the security of the connection.
- **Port** — Define a port for connection.
- **APOP secure login** (for POP3 only) — Use with the POP3 protocol to encrypt the sending of passwords to the remote e-mail server while connecting to the mailbox.

#### Settings for sent e-mail

Select **Outgoing e-mail** and from the following settings:

- **My e-mail address** — Enter the e-mail address given to you by your service provider. Replies to your messages are sent to this address.
- **User name** — Enter the user name for the e-mail service.
- **Password** — Enter the password for the e-mail service.
- **Outgoing mail serv.** — Enter the IP address or host name of the mail server that sends your e-mail. You may only be able to use the outgoing server of your network operator. Contact your service provider for more information.
- **Access point in use** — Select the Internet access point that the device uses for sending the e-mail messages that you send.
- **Security (ports)** — Select the security option used to secure the connection to the remote mailbox.
- **Port** — Define a port for connection.

#### User settings

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

- **My name** — Enter a name to appear before your e-mail address when you send e-mail.

- **Reply-to** — Select whether you want replies to be redirected to a different address. Select **On**, and enter the e-mail address to which you want to direct the replies. You can only enter one address.
- **Delete e-mails from** — Select whether you want to delete the e-mails only from the device or from both the device and the server. Select **Always ask** if you want to confirm from where the e-mail should be deleted every time you delete an e-mail.
- **Send message** — Select to send the e-mail as soon as possible, to send it the next time you retrieve e-mail, or to store the e-mail in the outbox, from where you can send it later.
- **Send copy to self** — Select whether you want to save a copy of the e-mail to your remote mailbox and to the address defined in **My e-mail address** in the settings for **Outgoing e-mail**.
- **Include signature** — Select whether you want to attach a signature to your e-mail messages.
- **New e-mail alerts** — Select whether you want to receive the new e-mail indications (a tone and a note) when new mail is received to the mailbox.
- **Flash on new e-mails** — Select how long you want the notification light to blink when you receive a new e-mail, or whether you want the notification light to blink at all.

#### Retrieval settings

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

- **E-mail to retrieve** (for POP3 mailboxes only) — Select whether you want to retrieve only the e-mail header information such as sender, subject and date, e-mail, or e-mail with attachments.

- **Retrieval amount** — Select the number of e-mails you want to retrieve from the remote server to your mailbox.
- **IMAP4 folder path** (for IMAP4 mailboxes only) — Define the folder path for folders to be subscribed.
- **Folder subscriptions** (for IMAP4 mailboxes only) — Subscribe to other folders in the remote mailbox and retrieve content from those folders.

### Automatic retrieval settings

Select **Automatic retrieval** and from the following settings:

- **Header retrieval** — Select whether you want to receive notifications when new e-mail is received in your remote mailbox. Select **Always enabled** to always automatically retrieve new e-mail messages from your remote mailbox, or **Only in home net.** to automatically retrieve new e-mail messages from your remote mailbox only when you are in your home network and not, for example, traveling.
- **Retrieval days** — Select the days on which e-mails are retrieved to your device.
- **Retrieval hours** — Define the hours between which the e-mails are retrieved.
- **Retrieval interval** — Select the time interval between retrieving new e-mails.

### Other settings

Select **Menu** > **Messag.** > **Options** > **Settings** > **Other.**

Select from the following:

- **Save sent messages** — Select whether to store sent messages in the **Sent** folder.
- **No. of saved msgs.** — Enter the number of sent messages that you want to save. When the limit is reached, the oldest message is deleted.
- **Folder view** — Define whether you want the list of messages in the folders to be shown on one row or two rows.
- **Memory in use** — Select where to save your received messages. You can save messages to memory card only if a memory card is inserted.

The settings available for editing may vary.

## Telephone

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

To make and receive calls (network service), the device must be switched on, the device must have a valid SIM card installed, and you must be located in a service area of the cellular network. The GPRS connection is put on hold during voice calls unless the network supports dual transfer mode or you have a USIM card and are within the coverage of a UMTS network.

### Make a call



**Important:** If the device has been locked, enter the lock code to activate the phone function. When the device is locked, calls may be possible to the official emergency number. Making an emergency call in the offline profile or when the device is locked requires that the device recognize the number to be an official emergency number. It is advisable to change the profile or unlock the device by entering the lock code before you make the emergency call.

Enter the phone number, including the area code, and press the call key. If you enter an incorrect character, press the backspace key. To end the call or cancel the call attempt, press the end key.

To make a call using the saved contacts, press the contacts key. Enter the first letters of the name, scroll to

the name, and press the call key. See "Contacts," p. 46.

Press the call key to view up to 20 numbers that you last called or attempted to call. Scroll to the desired number or name, and press the call key to dial the number. See "Log," p. 45.

Use the volume keys to adjust the volume of an active call.

To call your voice mailbox (network service) in standby mode, press and hold **1**, or press **1** then the call key.

### 1-touch dial

1-touch dialing allows you to make a call by pressing and holding a number key.

Before using 1-touch dialing, select **Menu** > **Tools** > **Settings** > **Call** > **1-touch dialing** > **On**.

To assign a number key to a phone number, select **Menu** > **Tools** > **1-touch**. Scroll to the number key (2-9) on the screen, and select **Options** > **Assign**. Select the desired number from the **Contacts** directory.

To remove the phone number assigned to a number key, scroll to the 1-touch dialing key, and select **Options** > **Remove**.

To change a phone number assigned to a number key, scroll to the 1-touch dialing key, and select **Options** > **Change**.

## Answer a call

To answer a call, press the call key.

To decline the call, press the end key.

To mute a ringing tone instead of answering a call, select **Silence**.

To answer a new call during a call when the **Call waiting** function is activated, press the call key. The first call is put on hold. To end the active call, press the end key.

## Forward calls

Select **Menu** > **Tools** > **Settings** > **Call forwarding**.

Forward incoming calls to your voice mailbox or to another phone number. For details, contact your service provider.

1. Select a call type from the following:
  - **Voice calls** — Incoming voice calls.
  - **Data and video calls** — Incoming data and video calls. Video calls are available only if your device is equipped to work within UMTS networks and you have UMTS network coverage. See "UMTS (3G)," p. 54.
  - **Fax calls** — Incoming fax calls.
2. Select one of the following call forwarding options:
  - **All voice calls, All data and vid. calls,** or **All fax calls**. — Forward all incoming voice, data and video, or fax calls.

- **If busy** — Forward incoming calls when you have an active call.
- **If not answered** — Forward incoming calls after your device rings for a specified period of time. Define the time you let the device ring before forwarding the call in the **Delay time:** field.
- **If out of reach** — Forward calls when the device is switched off or out of network coverage.
- **If not available** — Activate the last three settings at the same time. This option forwards calls if your device is busy, not answered, or out of reach.

3. Select **Activate**.

To check the current forwarding status, scroll to the forwarding option, and select **Options** > **Check status**.

To stop forwarding voice calls, scroll to the forwarding option, and select **Options** > **Cancel**.

Call restriction and call forwarding cannot be active at the same time.

## Call restriction

When calls are restricted, calls may be possible to the official emergency number programmed into your device.

Select **Menu** > **Tools** > **Settings** > **Call restriction**.

You can restrict the calls that can be made or received with the device (network service). To change the settings, you need the restriction password from your service provider. Call restriction affects all calls, including data calls. Call restriction and call forwarding cannot be active at the same time.

To restrict calls, select **Cellular call restriction**, and select from the following options:

- **Outgoing calls** — Prevent making voice calls with your device.
- **Incoming calls** — Restrict incoming calls.
- **International calls** — Prevent calling to foreign countries or regions.
- **Incoming if roaming** — Restrict incoming calls when outside your home country.
- **Intern. except home** — Prevent calls to foreign countries or regions, but allow calls to your home country.

To check the status of voice call restriction, scroll to the restriction option, and select **Options** > **Check status**.

To stop all voice call restrictions, scroll to a restriction option, and select **Options** > **Cancel all restrict..**

## Net call restriction

To restrict net calls, select **Menu** > **Tools** > **Settings** > **Call restriction** > **Internet call restriction**.

To reject net calls from anonymous callers, select **Anonymous calls** > **On**.

## Video calls

To be able to make a video call, your device must be equipped to work within UMTS networks and you must be within coverage of a UMTS network. See "UMTS (3G)," p. 54.

For availability of and subscription to video call services, contact your network operator or service provider.

While talking, you can send a real-time video to the recipient's compatible mobile phone and see a real-time video sent by the recipient, if the recipient has a compatible mobile phone with a video camera. A video call can only be made between two parties.



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

To make a video call, enter the phone number or select the recipient of the call from **Contacts**, and select **Options** > **Call** > **Video call**. You cannot convert the video call to a normal voice call.

To answer a video call, press the call key. If **Allow video image to be sent to caller?** is shown on the display, select **Yes** to send a video to the caller or **No** to disable video sending.



**Tip:** In case you do not want to send a video during video calls, you can send a still image instead. Select the still image to be sent in **Menu** > **Tools** > **Settings** > **Call** > **Image in video call** > **Use selected**.

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

- **Audio** — Talk to the recipient of the call.
- **Use video** — See video without audio.
- **Loudsp.** — Select to use the loudspeaker for receiving audio.
- **Handset** — Mute the loudspeaker and use the handset.

## Push to talk

Your service provider may have requested that certain features be disabled or not activated in your device. If so, they will not appear on your device menu. Your device may also have been specially configured. This configuration may include changes in menu names, menu order, and icons. Contact your service provider for more information.

Select **Menu** > **Connect** > **PTT**.

Push to talk (PTT) (network service) provides direct voice communication connected with the push of a key. With push to talk, you can use your device as you would use a walkie-talkie.

You can use push to talk to have a conversation with one person or with a group of people, or to join a channel. A channel is like a chat room: you can call the channel to see if anyone is online. The channel call does not alert the other participants; the participants just join the channel and start speaking with each other.

In push to talk communication, one person talks while the other participants listen through the built-in loudspeaker. Participants take turns responding to each other. Because only one participant can talk at a time, the maximum duration of a speech turn is limited. For details of the speech turn duration for your network, contact your network operator or service provider.

Remember to hold the device in front of you during a push to talk call so you can see the display. Speak towards the microphone, and do not cover the loudspeaker with your hands.

Phone calls always take priority over push to talk.

Before you can use push to talk, you must define the push to talk access point and push to talk settings. You may receive the settings in a special text message from the service provider that offers the push to talk service.

### User settings

Select **Options** > **Settings** > **User settings**.

Define the following:

- **Incoming PTT calls** — Select **Notify** if you want to see a notification of incoming calls. Select **Auto-accept** if you want push to talk calls to be answered automatically. Select **Not allowed** if you want push to talk calls to be rejected automatically.
- **PTT call alert tone** — Select **Set by profile** if you want the incoming call alert setting for push to talk to follow your profile settings. If your profile is silent, you are not available to others using push to talk, except for callback requests.
- **Callback request tone** — Define the ringing tone for callback requests.
- **Application start-up** — Select if you want to log in to the push to talk service when you switch on your device.
- **Default nickname** — Enter your default nickname (20 characters maximum) that is displayed to other users.
- **Show my PTT address** — Define if you want callers to see your push to talk address. You can let all callers see the address, show the address only to one-to-one callers or channel participants, or hide the address from all callers.
- **Show my login status** — Define whether your login to the push to talk server is shown or hidden from other users.

## Connection settings

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

Define the following:

- **Domain** — Enter the domain name obtained from your service provider.
- **Access point name** — Select the push to talk access point.
- **Server address** — Enter the IP address or domain name of the push to talk server obtained from your service provider.
- **User name** — Enter your user name obtained from your service provider.
- **Password** — Enter a password, if required, to log into the push to talk service. The password is provided by the service provider.

## Log in to push to talk service

If you have set **Application start-up** on in **User settings**, push to talk automatically logs in to the service when started. If not, you must log in manually.

To log in to a push to talk service, select **Options** > **Settings** > **Connection settings**, and enter your **User name**, **Password**, **Domain**, **Server address**, and **Access point name**. Select **Options** > **Switch PTT on**.

When the **Ringling type** setting of your device is set to **Beep once** or **Silent**, or there is an ongoing phone call, you cannot make or receive push to talk calls.

## Push to talk calls



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

Select **Options** > **PTT contacts**.

To make a push to talk call, select one or several contacts from the list, and press the voice key. Remember to hold the device in front of you during a push to talk call so you can see the display. The display informs you when it is your turn to speak. Speak towards the microphone, and do not cover the loudspeaker with your hands. Press and hold the voice key the entire time you are talking. When you have finished talking, release the key.

To end the push to talk call, press the end key.

When you receive a push to talk call, press the call key to answer the call or the end key to dismiss the call.

## Callback requests

To send a callback request, select **Options** > **PTT contacts**, scroll to the desired contact, and select **Options** > **Send callback request**.

To answer a callback request, select **Show** to open the callback request. To make a push to talk call to the sender, press the voice key.

## Contacts view

To view, add, modify, delete, or call contacts, select **Options** > **PTT contacts**. A list of names from the **Contacts** of your device is displayed with information about their login status.

To call a selected contact, select **Options** > **Talk 1 to 1**. To make a group call, select **Options** > **Make PTT group call**.

To send the contact a request to call you, select **Options** > **Send callback request**.

## Create a channel

A channel is like a chat room: you can call the channel to see if anyone is online. The channel call does not alert the other participants; the participants just join the channel and start speaking with each other.

To create a channel, select **Options** > **New channel** > **Create new**.

Select **Options** and define the following:

- **Channel name** — Write the channel name.
- **Channel privacy** — Select **Private** or **Public**.
- **Nickname in channel** — Enter your nickname (20 characters maximum) that is displayed to other users.
- **Channel thumbnail** — Insert a picture that describes the channel.

To delete a channel, press the backspace key.

When you log in to push to talk, push to talk automatically connects to the channels that were active when the application was last closed.

## Register PTT channels

To register a channel to the push to talk service, select **Options** > **Register**.

To edit the channel details, select **Options** > **Edit**.

## Participant details

To view the currently active participants of a channel, select **Options** > **Active members**.

To view more information about a selected participant, select **Options** > **Contact details**.

To call a selected contact, select **Options** > **Talk 1 to 1**. To make a group call, select **Options** > **Make PTT group call**.

To send the contact a request to call you, select **Options** > **Send callback request**.

To add a contact to **Contacts**, select **Options** > **Add to Contacts**.

## Join a channel

To join a channel, select **Options** > **PTT channels**. Select the channel you want to talk to, and press the voice key. Remember to hold the device in front of you during a push to talk call so you can see the display. The display informs you when it is your turn to speak. Speak towards the microphone, and do not cover the loudspeaker with your hands. Press and hold the voice key the entire time you are talking. When you have finished talking, release the key.



To switch between channels during multiple calls, select **Swap**. The active channel is highlighted.

To view the currently active participants in the channel, select **Options** > **Active members**.

To invite a participant to a channel, select **Options** > **Send invitation**.

## Push to talk log

To open the push to talk log, select **Options** > **PTT log**. The log shows the date, time, duration, and other details of your push to talk calls.

## Exit push to talk

Select **Options** > **Exit**. Select **Yes** to log out and close the service. Press **No** if you want to keep the application active on the background.

## Net calls

With the net call service (network service), you can make and receive calls over the internet.

Your device supports voice calls over the internet (net calls). Your device attempts emergency calls primarily over cellular networks. If an emergency call using cellular networks is not successful, your device attempts an emergency call through your net call provider. Due to the established nature of cellular telephony, you should use cellular networks for emergency calls, if possible. If you have cellular network coverage available, make sure that your cellular phone

is switched on and ready to make calls before you attempt an emergency call. The capability for an emergency call using internet telephony depends on the availability of a WLAN network and your net call provider's implementation of emergency call capabilities. Contact your net call provider to check the internet telephony emergency call capability.

VoIP (voice over internet protocol) technology is a set of protocols that facilitate phone calls over an IP network, such as the internet. VoIP phone calls can be established between computers, between mobile phones, and between a VoIP device and a traditional telephone. To make or receive a VoIP call, your device must be within WLAN coverage, for example.

The availability of the net call service may vary according to your country or sales area.

## Define the net call settings

Before you can make net calls, you need to define the net call settings. After you have defined the net call settings with these instructions, your device logs in to the net call service automatically when you select **Menu** > **Connect** > **Internet tel.**

### First: define a SIP profile

1. Select **Menu** > **Tools** > **Settings** > **Connection** > **SIP settings** > **Options** > **Add new**, and enter the required information. You must define all available SIP settings, but ensure that **Registration** is set to **Always on**. Contact your net call provider for the correct information.
2. Select **Proxy server**, and set **Transport type** to **Auto**.

3. Select **Back** until you return to the **Connection** menu.

#### Second: define a net call profile

1. Select **Internet tel. settings** > **Options** > **New profile**. Enter a name for the profile, and select the SIP profile you just created.
2. Select **Back** until you return to the main menu.

#### Third: select a preferred net call profile (optional)

If you select a preferred net call profile, **Internet tel.** automatically uses this network profile to connect to the net call service.

1. Select **Menu** > **Connect.** > **Internet tel.**
2. Select **Preferred profile** and the net call profile you just created.
3. Select **Back** until you return to the main menu.



**Tip:** You can also use manual login to the net call service. Use the same settings instructions as with automatic login, but ensure that **Registration** is set to **When needed** and **Transport type** is set to **UDP** or **TCP**. With manual login, you need to manually select the network used in the net call service.

## Connect to the net call service

To make or receive a net call, your device must be connected to a net call service. Select **Menu** > **Connect.** > **Internet tel.**

If you have selected automatic login, your device automatically connects to the net call service. If you manually login to the service, choose an available

connection network from the list, and select **Select** to connect to the net call service. The saved networks, which are marked with a star icon, are shown first on the list. If you want to stop the connection from establishing, select **Cancel**.

Select **Options** and from the following:

- **Connect to service** — to establish a connection to a service when there is a net call service and suitable connection network available.
- **Disconnect from serv.** — to end the connection to the net call service.
- **Change service** — to choose the net call service for outgoing calls if the device is connected to more than one service. This option is shown only if there is more than one configured service available.
- **Configure service** — to configure new services. This option is shown only if there are services that have not been configured.
- **Save network** — to save the network to which you are currently connected. The previously saved networks are marked with a star icon on the list of connection networks. This option is shown only if you are connected to an unsaved wireless LAN network.
- **Use hidden network** — to connect to a net call service using a hidden wireless LAN network.
- **Refresh** — to manually refresh the list of connection networks. Use this option, if your wireless LAN network is not shown on the list. The list is also refreshed automatically every 15 seconds.

The available options may vary.

Your device can be connected only to one wireless LAN access point at a time. If you use two or more net call

services, which use the same access point, your device may be connected to multiple services at the same time. The service used for outgoing net calls is shown in the view, where the connection networks are listed, and can be changed by selecting [Change service](#).

After you have successfully connected to a service, you can save the used wireless LAN network as a known access point.

## Connect using a shortcut

You may have a shortcut for [Internet tel.](#) in the active standby or you can add a shortcut if it is not available. See "Standby mode settings," p. 88. By using the shortcut, you can register manually if a net call service and an access point are available. If you are already connected to a net call service, the device asks if you want to disconnect from the service.

## Make net calls

If you set [Internet call](#) as the preferred call type and your device is connected to a net call service, calls are made as net calls as the default.

To set the preferred call type for outgoing calls, select [Menu](#) > [Connect](#) > [Internet tel.](#) > [Options](#) > [Settings](#) > [Preferred call type](#) > [Cellular](#) or [Internet call](#).

You can make a net call from all applications where you can make a regular voice call.

To make a net call in the standby mode, enter the phone number or internet address, and press the call key.

To make a net call to an address that does not start with a digit, press any number key when the device is in the standby mode; then press the function key to clear the display and to switch the device from number mode to letter mode. Write the address, and press the call key.

You can also make a net call from [Contacts](#) and [Log](#). To make a call from Contacts, select [Menu](#) > [Contacts](#), and scroll to the desired contact. Select [Options](#) > [Call](#) > [Internet call](#).

To make a call from Log, select [Menu](#) > [Log](#) > [Recent calls](#) and [Missed calls](#), [Recvd. calls](#) or [Dialed nos.](#), and scroll to the desired contact. Select [Options](#) > [Call](#) > [Internet call](#).

## Service settings

Select [Menu](#) > [Connect](#) > [Internet tel.](#) > [Options](#) > [Settings](#) > [Settings](#).

Select [Login type](#) to view or change the way [Internet tel.](#) connects to the net call service. Select from the following:

- **Automatic** — Login automatically to the net call service. When a known network is found, the device automatically connects to the net call service. If you use the automatic login type for wireless LAN networks, the device periodically scans for wireless LAN networks, which increases the demand on battery power and reduces the battery life.
- **Manual** — Login manually to the net call service.

Select [Saved conn. networks](#) to view the connection networks you have saved for the net call service or the connection networks, which are recognized by the net

call service. These networks are used for automatic login and are marked with a star icon on the list of connection networks. To remove a connection network from the service, select **Options** > **Remove**.

Select **Edit service settings** to open the service-specific settings. This option is only available if a service-specific software plug-in has been installed in the device.

## Voice commands

Select **Menu** > **Tools** > **Voice cm.**

Use voice commands to make phone calls and to launch applications, profiles, or other functions on the device.

The device creates a voice tag for the entries in the contacts list and for the functions designated in the **Voice cm.** application. When a voice command is spoken, the device compares the spoken words to the voice tag in the device.

## Make a call

The voice tag for a contact is the name or nickname that is saved on the contact card in **Contacts**. To listen to the voice tag, open a contact card, and select **Options** > **Play voice tag**.

1. To make a call using a voice command, press and hold the voice key.
2. When you hear the tone or see the visual display, clearly speak the name saved on the contact card.
3. The device plays a synthesized voice tag for the recognized contact in the selected device language, and displays the name and number. After a timeout,

the device dials the number. If the recognized contact was not correct, select **Next** to view a list of other matches or **Quit** to cancel dialing.

## Launch an application

The device creates voice tags for the applications listed in the **Voice cm.** application.

To launch an application using a voice command, press and hold the voice key, and clearly speak the voice command. If the recognized application was not correct, select **Next** to view a list of other matches or **Quit** to cancel.

To add more applications to the list, select **Options** > **New application**.

To change the voice command of an application, scroll to the application, and select **Options** > **Change command**. Type the new voice command, and select **OK**.

## Change profiles

The device creates a voice tag for each profile. To set on a profile using a voice command, press and hold the voice key, and say the name of the profile.

To change the voice command, scroll to the desired profile, and select **Profiles** > **Options** > **Change command**.

## Voice command settings

To switch off the synthesizer that plays recognized voice commands in the selected device language, select **Options** > **Settings** > **Synthesizer** > **Off**.

To reset voice recognition learning when the main user of the device has changed, select **Reset voice adapts**.

## Voice mailbox

Select **Menu** > **Tools** > **Voice mail**.

When you open the voice mailbox application for the first time, you are asked to enter the number of your voice mailbox. To change the number, select **Options** > **Change number**. To call the number, select **Options** > **Call voice mailbox**.

## Log

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

In the **Log**, you can view information about the communication history of the device.

To receive correct log information, the device must be switched on, the device must have a valid SIM card installed, and you must be located in a service area of the cellular network. The GPRS connection is put on hold during voice calls unless the network supports dual transfer mode or you have a USIM card and are within the coverage of a UMTS network.



**Note:** The actual invoice for calls and services from your service provider may vary, depending on

network features, rounding off for billing, taxes, and so forth.

To view the logs for recent voice calls, their approximate duration, and packed data connections, select **Recent calls**, **Call timers**, or **Packet data**; and press the scroll key.

To sort the events by type or direction, scroll right to open the general log, and select **Options** > **Filter**. Scroll to a filter type, and press the scroll key. Select the type or direction, and press the scroll key.

To set the time how long all communication events are held in the log, select **Options** > **Settings** > **Log duration**, an option, and **OK**.

To clear missed and received calls and dialed numbers, select **Recent calls** > **Options** > **Clear recent calls**.

## Contacts

Press the contacts key.

Manage all of your contact information, such as phone numbers and addresses. Add a personal ringing tone, voice tag, or a thumbnail image to a contact. Send contact information to compatible devices or receive contact information as business cards from compatible devices, and add them to your own list of contacts.

To add a contact, select **Options** > **New contact**. Enter the contact information, and select **Done**.

To edit information in a contact card, scroll to the contact, and select **Options** > **Edit** > **Options**. Select from the following:

- **Add thumbnail** — Add a thumbnail image that will display when a contact calls you. The image must be previously saved to your device or memory card.
- **Remove thumbnail** — Remove the image from the contact card.
- **Add detail** — Add fields of information to a contact card, such as **Job title**.
- **Delete detail** — Delete any details that you added to a contact card.
- **Edit label** — Edit the field names of the contact card.

## Manage contact groups

Create a contact group so that you can send text or e-mail messages to several recipients at the same time.

1. Scroll to the right, and select **Options** > **New group**.
2. Enter a name for the group or use the default name, and select **OK**.
3. Open the group, and select **Options** > **Add members**.
4. Scroll to each contact you want to add to the group, and press the scroll key to mark it.
5. Select **OK** to add all marked contacts to the group.

The following options are available when you select **Options** in the contact groups view:

- **PTT options** — Make a push to talk call either to an individual or to a group, or send a callback request.  
If push to talk is not available from your wireless service provider, it may not appear in the menu of your device.
- **Open** — Open the contact group and view the group members.
- **Create message** — Send a message.
- **New group** — Create a new contact group.
- **Delete** — Delete a contact group.
- **Rename** — Rename the contact group.
- **Ringing tone** — Assign a ringing tone to a contact group.
- **Contacts info** — View the information for a contact group.

- **Settings** — Set the name display settings for contact group members.

## Manage default information

Assign a default number or address to a contact so you can easily call or send a message to the default number or address, even if several numbers or addresses are saved to that contact.

To change default information for a contact, open the contact, and select **Options** > **Defaults**. Select the number or address you want to set as a default, and select **Assign**.

The default number or address is underlined in the contact.

## Copy contacts between SIM and device memory

To copy contacts from a SIM card to device memory, select **Options** > **SIM contacts** > **SIM directory** to open the SIM directory. Mark the contacts you want to copy, or select **Mark all** to copy all contacts. Select **Options** > **Copy to Contacts**.

To copy contacts from the device memory to a SIM card, select **Options** > **Copy to SIM direct**. Mark the contacts you want to copy, or select **Mark all** to copy all contacts. Select **Options** > **Copy to SIM direct**.

Select **Options** > **SIM contacts** > **SIM directory** to see the names and numbers stored on the SIM card. In SIM directory you can add, edit, or copy numbers to **Contacts**, and you can make calls.

## Select ringing tones for contacts

Select a ringing tone for a contact or contact group. If the caller's phone number is sent with the call and your device recognizes the number, the ringing tone plays when the contact calls you.

To select a ringing tone for a contact or contact group, open the contact or contact group, and select **Options** > **Ringling tone**. A list of ringing tones opens. Select the ringing tone you want to use.

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

## Business cards

Press the contacts key.

You can send, receive, view, and save contact cards as business cards in vCard or Nokia Compact Business Card format.

You can send business cards to compatible devices using SMS, MMS, or e-mail, or an infrared or Bluetooth connection.

To send a business card, select the contact card from the contacts list, and select **Options** > **Send**. Select **Via**

[text message](#), [Via multimedia](#), [Via e-mail](#), [Via Bluetooth](#), or [Via infrared](#). Enter the phone number or address, or add a recipient from the contacts list. Select [Options](#) > [Send](#). If you select SMS as the sending method, contact cards are sent without images.

To view a received business card, select [Show](#) from the displayed notification, or open the message from the inbox folder in [Messag..](#)

To save a business card, select [Options](#) > [Save business card](#) when the incoming message appears on the device.

To save a received business card, select [Options](#) > [Save business card](#).

To delete a received business card, select [Options](#) > [Delete](#).



# Nokia Team suite

Select [Menu](#) > [Office](#) > [Team suite](#).

With Nokia Team Suite, you can create, edit, and delete teams, and send messages, view teams' web pages and communication history, and make phone calls to teams at one go.

To create a new team, select [Options](#) > [Team](#) > [Create new](#). Give a name for the team and enter the conference call service information, if needed. Then select the members for the team.

To select an action, select the team to which you want to apply the action, scroll right to the action bar, and select the desired action. If you do not want to apply the action to all team members, open the team, and select the desired members by pressing the scroll key. Then select the action.

To find more actions than shown on the action bar, select [Options](#) > [Actions](#). The following actions are available:

- [Call](#) — Make a phone call to the team or selected team members. The team members are called one by one and put on hold until the calls can be merged into a conference call (network service). The maximum number of participants depends on the network service.
- [Create message](#) — Send a text message, a multimedia message, or an e-mail to the team or selected team members.

- [Call conference service](#) — Start a call to the conference call service (network service) defined for the selected team.
- [Communication log](#) — View the communication log for the team or selected team members.
- [Team search](#) — Search for content related to the team or team members.
- [Push to talk](#) — Communicate via push to talk (network service) with the team or selected team members.

If Push to talk is not available from your wireless service provider, it may not appear in the menu of your device.

- [Team Web bookmarks](#) — Open the bookmark folder that contains the team's web pages.

To select which actions are shown in the action bar and in which order, select [Options](#) > [Settings](#) > [Action bar icons](#).

## Edit teams

To add team members, select [Options](#) > [Members](#) > [Add](#).

To remove team members, select [Options](#) > [Members](#) > [Remove](#).

To edit the details of a member, select [Options](#) > [Members](#) > [Edit](#).

To select whether to see the team members' pictures on the display, select [Options](#) > [Settings](#) > [View contact image](#).

To see to which teams a member belongs, select [Options](#) > [Members](#) > [Belongs to teams](#).

# Calendar

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

In **Calendar**, you can create and view scheduled events and appointments. You can also set alarms for calendar entries.

You can synchronize your calendar data with a compatible computer using Nokia PC Suite. For information on synchronization, see the PC Suite guide.

## Create calendar entries

You can create four types of calendar entries:

- **Meeting** entries have a specific date and time.
- **Memo** entries are related to the whole day but not to a specific time of the day. Memo entries do not appear in the weekly time schedule view.
- **Anniversary** entries remind you of birthdays and special dates. They refer to a certain day but not a specific time of the day. Anniversary entries are repeated every year.
- **To-do** entries remind you of a task that has a due date but not a specific time of the day.

To create a calendar entry, scroll to a date, and select **Options** > **New entry**. Select an entry type. Available settings for meeting, memo, anniversary, and to-do entries vary.

To open and edit an existing entry, scroll to the entry, and select **Options** > **Open**. Edit the details in the various fields.



**Tip:** When you edit or delete a repeated entry, choose how you want the change to take effect. If you select **All calendar entries deleted**, all repeated entries are deleted. If you select **Delete entry**, only the current entry is deleted.

## To-do

You can create and maintain a task or list of tasks that must be done by a certain day. Each task can be assigned a due date, and an alarm.

To open the list of to-do notes, select **Options** > **To-do view**.

To add a to-do note, select **Options** > **New entry** > **To-do**. Start to write the task in the **Subject** field. You can set a due date for the task, create an alarm for it, and specify a priority. The priority icons are (!) **High** and (-) **Low**. There is no icon for **Normal**.

To mark a task as completed, scroll to the task in the to-do list, and select **Options** > **Mark as done**.

To restore a task, scroll to it in the todo list, and select **Options** > **Mark as not done**.

## Calendar views

To switch between the different calendar views, select **Options** in any calendar view. Select a type of view from the list.

To set the default calendar view, select **Options** > **Settings** > **Default view** > **Month view**, **Week view**, **Day view**, or **To-do view**.

To view a specific date in the calendar view, select **Options** > **Go to date**. Enter the date, and select **OK**.

## Add a received calendar entry to your calendar

You can receive a calendar entry as an attachment to a multimedia or e-mail message.

To add a received calendar entry to your calendar, open the calendar entry attachment in the message, and select **Options** > **Save to Calendar**. The entry is added to your default calendar.

# Clock

Select **Menu** > **Office** > **Clock**.

To change the clock type, select **Options** > **Settings** > **Clock type** > **Analog** or **Digital**.

## Date and time settings

To change the date and time, their display formats, alarm tone, and to define whether you want to use automatic time update, select **Options** > **Settings** and from the following:

- **Time** — Enter the time, and select **OK**.
- **Time zone** — Enter the time zone, and select **OK**.
- **Date** — Enter the date, and select **OK**.
- **Date format** — Change how the date is displayed. Scroll to the desired format, and select **OK**.
- **Date separator** — Change the symbol that separates days, months, and years. Scroll to the symbol you want, and select **OK**.
- **Time format** — Select **24-hour** or **am/pm**.
- **Time separator** — Select the symbol that separates hours and minutes.
- **Clock type** — Select **Analog** or **Digital**.
- **Clock alarm tone** — Select the tone that you want to use for the alarm clock.
- **Network operator time** — Update time, date, and time zone information automatically (network service). Select **Auto-update** to activate. This service may not be available in all networks.

## Alarm clock

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

To set an alarm, select **Options** > **Set alarm**. Enter the alarm time, and select **OK**.

To view and change alarms, select **Options** > **Reset alarm**.

To remove an alarm, select **Options** > **Remove alarm**.

## Connectivity

Your service provider may have requested that certain features be disabled or not activated in your device. If so, they will not appear on your device menu. Your device may also have been specially configured. This configuration may include changes in menu names, menu order, and icons. Contact your service provider for more information.

Your device offers several options (network services) to connect to the Internet, a corporate intranet, or to another device or PC. Wireless methods include wireless LAN, Bluetooth, and infrared. Your device supports a wired solution with a USB (Universal Serial Bus) cable connection for Nokia PC Suite. Your device also allows you to communicate using net calls (Voice over IP), instant messaging (chat), and modem-based connections. If it is available within your network, you may also communicate using the push to talk feature.

### Packet data (GPRS)

GPRS (general packet radio service) enables wireless access for mobile phones to data networks (network service). GPRS uses packet data technology where information is sent in short bursts of data over the mobile network. The benefit of sending data in packets is that the network is occupied only when sending or receiving data. As GPRS uses the network efficiently, it allows for quick data connection set-up and fast data transmission speeds.

You must subscribe to the GPRS service. For availability and subscription to GPRS, contact your network operator or service provider.

Enhanced GPRS (EGPRS) is similar to GPRS, but it enables faster connection. For more information on the availability of EGPRS and data transfer speed, contact your network operator or service provider. Note that when you have selected GPRS as a data bearer, the device uses EGPRS instead of GPRS if this is available in the network.


During a voice call, you cannot establish a GPRS connection, and any existing GPRS connection is put on hold unless the network supports dual transfer mode.

### UMTS (3G)

Universal Mobile Telecommunications System (UMTS) is a third-generation (3G) mobile communication system. Besides voice and data, UMTS enables audio and video delivery to wireless devices.

If your device is equipped to work within UMTS networks, it can automatically switch between the GSM and UMTS networks. See "Basic information about your device," p. 10.

To select which network to use, select [Menu](#) > [Tools](#) > [Settings](#) > [Network](#) and the network in [Network mode](#). If you want the device to switch between the networks automatically, select [Dual mode](#).

The GSM network is indicated with , the UMTS network with **3G**.

When you use your device in GSM and UMTS networks, multiple data connections can be active at the same time, and access points can share a data connection. In the UMTS network, data connections remain active during voice calls. You can, for example, browse the Web faster than previously possible while simultaneously speaking on the phone.

## Cable connection

Install the USB data cable driver to your PC before you use a cable connection. You can use the [Data transfer](#) without installing the USB data cable drivers.

Select **Menu** > **Connect.** > **Data cbl.**

Using a USB data cable, you can connect your device to a compatible PC. Connect the USB data cable to the bottom of the device. To change the device type you normally connect to your device with the data cable, press the scroll key.

Select from the following:

- **Ask on connection** — Select whether you want to be asked for the device type every time you connect the data cable to your device.
- **PC Suite** — Connect the PC Suite to your device with the data cable, and use your device as a modem.
- **Data transfer** — Access and transfer data such as music or image files from your computer using the data cable connection. To use the [Data transfer](#) mode, make sure that you have not selected USB as a connection type in the Manage connections

settings in Nokia PC Suite. Insert a memory card to your device, connect the device to a compatible computer with the USB data cable, and select [Data transfer](#) when the device asks which mode is used. In this mode, your device acts as a mass storage device and you can see it as a removable hard drive in your computer. The device will switch into the [Offline](#) profile if this is selected. End the connection from the PC (for example, from an Unplug or Eject Hardware wizard in Windows) to avoid damaging the memory card. After you end the connection, the device returns to the profile in which it was before using the data transfer mode.

## Bluetooth

This device is compliant with Bluetooth Specification 1.2 supporting the following profiles: Generic Access Profile, Serial Port Profile, Dial-up Networking Profile, Headset Profile, Handsfree Profile, Generic Object Exchange Profile, Object Push Profile, File Transfer Profile, SIM Access Profile, and Basic Imaging Profile.. To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved enhancements for this model. Check with the manufacturers of other devices to determine their compatibility with this device.

Bluetooth technology enables wireless connections between electronic devices within a range of 10 meters (33 feet). A Bluetooth connection can be used to send images, videos, texts, business cards, calendar notes, or to connect wirelessly to devices using Bluetooth technology, such as computers.

Since devices using Bluetooth technology communicate using radio waves, your device and the other devices do not need to be in direct line-of-sight. The two devices only need to be within a maximum of 10 meters of each other, although the connection can be subject to interference from obstructions such as walls or from other electronic devices.

## Start using Bluetooth connectivity

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

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

Select **Menu** > **Connect** > **Bluetooth**.

To activate Bluetooth, press the function key and the Ctrl key simultaneously. To deactivate, press the function key and the Ctrl key again. If you use this shortcut to activate Bluetooth, you will not be asked to name your device.

1. When you activate Bluetooth for the first time, you are asked to give a name to your device. Give your device a unique name to make it easy to recognize if there are several Bluetooth devices in the vicinity.
2. Select **Bluetooth** > **On**.
3. Select **My phone's visibility** > **Shown to all**.

Your device and the name you entered can now be seen by other users with devices using Bluetooth technology.

## Settings

Define the following settings:

- **Bluetooth** — Select **On** to be able to connect to another compatible device using Bluetooth connectivity.
- **My phone's visibility** — Select **Shown to all** to allow other devices using Bluetooth technology to find your device when you have set **Bluetooth** > **On**. To prevent other devices from finding your device, select **Hidden**. Even if you select **Hidden**, paired devices can still detect your device.
- **My phone's name** — Enter a name for your device. The name is visible to other devices that search for devices using Bluetooth technology. The maximum length of the name is 30 characters.
- **Remote SIM mode** — Select **On** to enable another device, such as a compatible car kit enhancement, to use the SIM card in your device to connect to the network. See "SIM access profile," p. 58.

If Bluetooth was turned off as a result of entering the **Offline** profile, you must re-enable Bluetooth manually.

## Security tips

When you are not using Bluetooth connectivity, select **Bluetooth** > **Off** or **My phone's visibility** > **Hidden**.

Do not pair with an unknown device.

## Send data

Several Bluetooth connections can be active at a time. For example, if you are connected to a 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. Select the item, and select **Options** > **Send** > **Via Bluetooth**. The device searches for other devices using Bluetooth technology within range and lists them.





**Tip:** If you have sent data using Bluetooth before, a list of the previous search results is displayed. To search for more Bluetooth devices, select **More devices**.

3. Select the device with which you want to connect, and press the scroll key to set up the connection. If the other device requires pairing before data can be transmitted, you are asked to enter a passcode.
4. When the connection has been established, **Sending data** is shown.

The **Sent** folder in **Message**, does not store messages sent using Bluetooth connectivity.

## Bluetooth connectivity indicators

 Bluetooth is active.

 When the icon is blinking, your device is trying to connect to the other device. When the icon is shown continuously, the Bluetooth connection is active.

## Pair devices

Select **Menu** > **Connect** > **Bluetooth**, and scroll right to open the **Paired devices** page.

Before pairing, create your own passcode (1-16 digits), and agree with the user of the other device to use the same code. Devices that do not have a user interface have a fixed passcode. You need the passcode only when you connect the devices for the first time. After pairing, it is possible to authorize the connection. See "Authorize a device," p. 58. Pairing and authorizing the connection makes connecting quicker and easier, as you do not have to accept a connection between paired devices every time you establish the connection.

The passcode for remote SIM access must have 16 digits.

1. Select **Options** > **New paired device**. The device starts to search for Bluetooth devices within range.



**Tip:** If you have sent data using Bluetooth before, a list of the previous search results is displayed. To search for more Bluetooth devices, select **More devices**.

2. Select the device with which you want to pair, and enter the passcode. The same passcode must be entered to the other device as well.
3. Select **Yes** to make the connection between your device and the other device automatic or **No** to confirm the connection manually every time a connection attempt is made. After pairing, the device is saved to the paired devices page.

To give a nickname to a paired device that is only displayed in your device, scroll to the device with which

you have paired, and select **Options** > **Assign short name**.

To delete a pairing, select the device whose pairing you want to delete and **Options** > **Delete**. To delete all pairings, select **Options** > **Delete all**.



**Tip:** If you are currently connected to a device and cancel the pairing with that device, pairing is removed immediately, and the connection is switched off.

### Authorize a device

If you trust a paired device, you can allow it to connect automatically to your device. You can select from the following options:

- **Set as authorized** — Connections between your device and the other device can be made without your knowledge. No separate acceptance or authorization is needed. Use this status for your own devices, such as your compatible headset or PC, or devices that belong to someone you trust.
- **Set as unauthorized** — Connection requests from the other device must be accepted separately every time.

### Receive data

If you want to receive data using Bluetooth, select **Bluetooth** > **On** and **My phone's visibility** > **Shown to all**. When you receive data through Bluetooth connectivity, a tone sounds, and you are asked if you want to accept the message. If you accept, the message is placed in the **Inbox** folder in **Message**.



**Tip:** You can access the files in the device or on the memory card using a compatible accessory that supports the File Transfer Profile Client service (for example, a laptop computer).

### SIM access profile

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

With the SIM access profile, you can access the SIM card of your device from a compatible car kit device. This way, you do not need a separate SIM card to access SIM card data and connect to the GSM network.

To use the SIM access profile, you need the following:

- Compatible car kit device that supports Bluetooth wireless technology
- Valid SIM card in your device

For more information about car kit devices and compatibility with your device, see [www.nokia.com](http://www.nokia.com) and your car kit user guide.

For additional information, refer to the reference leaflet included with your Nokia device.

#### Manage the SIM access profile

1. Select **Menu** > **Connect** > **Bluetooth** to activate Bluetooth connectivity in your device.

2. To enable remote SIM access, scroll to **Remote SIM mode**, and press the scroll key.
3. Activate Bluetooth in the car kit device.
4. Use your car kit device to start a search for compatible devices. For instructions, see the user guide of your car kit device.
5. Select your device from the list of compatible devices.
6. To pair the devices, enter the Bluetooth passcode shown on the display of the car kit device to your device.
7. Authorize the car kit device. Select **Menu** > **Connect** > **Bluetooth**, and scroll to the **Paired devices** page. Scroll to the car kit device, and enter the Bluetooth passcode. When the device asks to make the connection automatic, select **Yes**. Connections between your device and the car kit device can be made without separate acceptance or authorization. If you select **No**, connection requests from this device must be accepted separately every time.



**Tip:** If you have already accessed the SIM card from the car kit with the active user profile, the car kit searches automatically for a device with the SIM card. If it finds your device, and automatic authorization is activated, the car device automatically connects to the GSM network when you switch on the car ignition.

When you activate the remote SIM access profile, you can use applications on your device that do not need network or SIM services.

To end the remote SIM access connection from your device, select **Menu** > **Connect** > **Bluetooth** > **Remote SIM mode** > **Off**.

## Infrared

Do not point the infrared (IR) beam at anyone's eye or allow it to interfere with other IR devices. This device is a Class 1 laser product.

Use infrared to connect two devices and transfer data between them. With infrared, you can transfer data such as business cards, calendar notes, and media files with a compatible device.

### Send and receive data

1. Ensure that the infrared ports of the devices face each other. The positioning of the devices is more important than angle or distance.
2. Select **Menu** > **Connect** > **Infrared**, and press the scroll key to turn on infrared on your device. Turn on infrared on the other device.
3. Wait a few seconds until an infrared connection is established.
4. To send, locate the desired file in an application or the file manager, and select **Options** > **Send** > **Via infrared**.



**Tip:** You can also turn on infrared by pressing the function key and the Chr key simultaneously.

If data transfer is not started within 1 minute after the activation of the infrared port, the connection is cancelled and must be started again.

All items received through infrared are placed in the Inbox folder in [Messag..](#)

Positioning devices away from each other breaks a connection, but the infrared light beam remains active on your device until it is deactivated.

## Modem

Select [Menu](#) > [Connect](#) > [Modem](#).

Together with a compatible computer, you can use your device as a modem to connect to the Web.

### Before you can use your device as a modem

- You must subscribe to the appropriate network services from your service provider or Internet service provider.
- You need a compatible computer with infrared connectivity.
- You must have Nokia PC Suite installed on your computer.
- You must have the appropriate drivers installed on your computer. You may need to install or update infrared drivers. After you have installed Nokia PC Suite, follow the instructions on the computer display to install the drivers and connect your device to the computer.

After you have installed Nokia PC Suite and the appropriate drivers, start Nokia PC Suite on your computer. Select **Connect to the Internet**, and follow the instructions on the computer display.

To connect the device to a compatible computer using infrared, press the scroll key. Make sure the infrared

ports of the device and computer are directly facing each other with no obstacles between them.

You may not be able to use some of the other communication features when the device is used as a modem.

## Email data roaming

Select [Menu](#) > [Tools](#) > [Settings](#) > [Connection](#) > [Access point groups](#).

Your device allows roaming between wireless access technologies, such as WLAN and GPRS, for e-mail. For example, you can start an e-mail session at home and continue the session on your way to work. While your session continues uninterrupted, your handheld device switches from WLAN to GPRS and back to WLAN when you arrive at your workplace.

## Access point groups

To create an access point group, select [Access point groups](#) > [Options](#) > [New group](#). In the [Group name](#) field, enter a name for the group. Define in the [Conn. switching](#) field whether to show the connection switching process on the display of your device. Choose and edit the access points that belong to this group in the [Access points](#) section.

To remove an access point in an access point group, select the access point and [Options](#) > [Remove](#).

## Internet access points

An access point is where your device connects to a network. To use e-mail and multimedia services or to connect to the Internet and browse web pages, you must first define Internet access points for these services. You may need to set up several Internet access points, depending on the sites you want to access. For example, browsing the Web may require one access point, and accessing your company intranet may require another. To connect to the Internet over GPRS, your device may have predefined, default Internet access point settings.

When you switch on your device for the first time, the access points may be configured automatically based on the service provider information in your SIM card. You can also receive the access points settings in a message from your service provider. This might reduce the number of settings you need to enter yourself.

The available options may vary. Some or all access points may be preset for your device by your service provider. You may not be able to add, edit, or delete access points.

Contact your service provider and e-mail service provider for more information on access points and their settings.

See "Connection settings," p. 90.

## Set up an Internet access point for packet data (GPRS)

When you switch the device on, it may recognize the SIM card provider and configure the correct text message, multimedia message, and GPRS settings and access points automatically.

1. Select **Menu** > **Tools** > **Settings** > **Connection** > **Access points**.
2. Select **Options** > **New access point**. To use an existing access point as a basis for the new one, select **Use existing settings**. To start with an empty access point, select **Use default settings**.
3. Define the following settings.
  - **Connection name** — Enter a descriptive name for the connection.
  - **Data bearer** — Select **Packet data**.
  - **Access point name** — Enter the name for the access point. The name is usually provided by your service provider or network operator.
  - **User name** — Enter your user name if required by the service provider. User names are often case-sensitive and provided by your service provider.
  - **Prompt password** — Select **Yes** to enter your password each time you log into a server or **No** to save the password in your device memory and automate the login.
  - **Password** — Enter your password if required by the service provider. The password is often case-sensitive provided by the service provider.

- **Authentication** — Select **Secure** to always send your password encrypted or **Normal** to send your password encrypted when possible.
  - **Homepage** — Enter the Web address of the page you want to display as a home page when you use this access point.
4. After defining the settings, select **Options** > **Advanced settings** to define the advanced settings or **Back** to save the settings and exit.

For information on the advanced settings, see the extended user guide on the Web.

## Set up an Internet access point for wireless LAN

You can use the WLAN wizard to create Internet access points for wireless LAN, or define the access point manually. See "Wireless local area network (WLAN)," p. 64.

## Connection manager

Select **Menu** > **Connect** > **Conn. mgr.**.

To view the status of data connections or end connections, select **Act. data conn.**

To search for wireless LANs available within range, select **Availab. WLAN**.

## View and end active connections



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

In the active connections view, you can see the open data connections: data calls, packet data connections, and wireless LAN connections.

To view detailed information about network connections, select the connection from the list and **Options** > **Details**. The type of information shown depends on the connection type.

To end a network connection, select the connection from the list and **Options** > **Disconnect**.

To end all active network connections simultaneously, select **Options** > **Disconnect all**.

To view the details of a network, press the scroll key.

## Search for wireless LAN

To search for wireless LANs available within range, select **Menu** > **Connect** > **Conn. mgr.** > **Availab. WLAN**. A list of found networks is displayed.

The available wireless LAN view shows a list of wireless LANs within range, their network mode (infrastructure or ad-hoc), signal strength indicator and network encryption indicators, and if your device has an active connection with the network.

To view the details of a network, press the scroll key.

To create an Internet access point in a network, select [Options](#) > [Define access point](#).

## Wireless local area network (WLAN)


Some places, like France, have restrictions on the use of wireless LAN. Check with your local authorities for more information.

This device can detect and connect to a wireless local area network (WLAN). To use wireless LAN, a network must be available in the location and your device must be connected to it.

### See wireless LAN availability

Your device can show you whether wireless LAN is available.

To have your device show wireless LAN availability, select **Menu** > **Tools** > **Settings** > **Connection** > **Wireless LAN** > **Show availability**.

If wireless LAN is available,  is shown on the display.



**Tip:** You can also scan for networks in range.

### Wireless LAN connections



**Important:** Always enable one of the available encryption methods to increase the security of your wireless LAN connection. Using encryption reduces the risk of unauthorized access to your data.

To use wireless LAN, you must create an internet access point (IAP) in a wireless LAN. Use the access point for applications that need to connect to the internet. A wireless LAN connection is established when you create a data connection using a wireless LAN Internet access point. The active wireless LAN connection is ended when you end the data connection. You can also end the connection manually. See "Connection manager," p. 62.

You can use wireless LAN during a voice call or when packet data is active. You can only be connected to one wireless LAN access point device at a time, but several applications can use the same internet access point.

When the device is in the **Offline** profile, you can still use wireless LAN (if available). Remember to comply with any applicable safety requirements when establishing and using a wireless LAN connection.

If you move the device to another location within the wireless LAN and out of range of a wireless LAN access point, the roaming functionality can automatically connect your device to another access point that belongs to the same network. As long as you remain within range of access points that belong to the same network, your device can stay connected to the network.



**Tip:** To check the unique media access control (MAC) address that identifies your device, for example to configure the MAC address of your device to a WLAN router, enter `*#62209526#`



on the device keypad. The MAC address is shown on the device display.

## Operating modes

Your device enables different types of communication in a wireless LAN. The two operating modes are infrastructure and ad hoc.

- The infrastructure operating mode allows two kinds of communication: wireless devices communicate with each other through a wireless LAN access point or wireless devices communicate with a wired LAN device through a wireless LAN access point. The advantage of the infrastructure operating mode is that you can have more control over network connections because they pass through an access point. A wireless device can access the services that are available in a regular wired LAN: company database, e-mail, the Internet, and other network resources, for example.
- In the ad hoc operating mode you can send data to and receive it from other devices with compatible wireless LAN support, for example, to be printed. These functions may require an additional third party application to work. No wireless LAN access point is required. Simply make the necessary configurations and start communicating. Ad hoc networking is easy to set up, but communication is limited to devices that are within range and support compatible wireless LAN technology.

## WLAN wizard

The WLAN wizard helps you to connect to a wireless LAN.

The WLAN wizard shows the status of your wireless LAN connections and network searches in the active standby mode. To view the available options, scroll to the row showing the status, and press the scroll key. Depending on the status, you can start the web browser using a wireless LAN connection, disconnect from a wireless LAN, search for wireless LANs, or set network scanning on or off.

If wireless LAN scanning is off and you are not connected to any wireless LAN, **WLAN scanning off** is displayed in the active standby mode. To set scanning on and search for available wireless LANs, scroll to the status, and press the scroll key.

To start a search for available wireless LANs, scroll to a status, press the scroll key, and select **Search for WLAN**. To set wireless LAN scanning off, scroll to a status, press the scroll key, and select **Switch WLAN scan off**.

When **Start Web browsing** is selected, the WLAN wizard automatically creates an internet access point (IAP) for the selected wireless LAN. The IAP can also be used with other applications requiring wireless LAN connection.

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

You can also start the WLAN wizard separately to get more information on wireless LANs within range. Select

**Menu** > **Connect** > **WLAN wiz.** Found networks are displayed.

Scroll to the desired network, select **Options** and from the following:

- **Start Web browsing** or **Cont. Web browsing** — Start or continue browsing the web using the IAP of the wireless LAN.
- **Disconnect WLAN** — Disconnect the active connection to the wireless LAN.
- **Refresh** — Update the list of available wireless LANs.
- **Details** — View the details of the wireless LAN.
- **Define access point** — Create an internet access point without starting the web browser.

Always enable one of the available encryption methods to increase the security of your wireless LAN connection. Using encryption reduces the risk of unauthorized access to your data.

## Wireless LAN access points

To search for wireless LANs available within range, select **Menu** > **Connect** > **WLAN wiz.** To create an internet access point in a wireless LAN, select **Options** > **Define access point.** To view the details of a network shown in the list, select **Options** > **Details.**

When an application asks you to select an access point, select the created access point. You can also create an internet access point by selecting **Search for WLAN**, or use **Conn. mgr.** to create internet access points. See "Connection manager," p. 62.

## Set up a wireless LAN access point manually

If you cannot use the WLAN wizard, you can define wireless LAN access points manually.

1. Select **Menu** > **Tools** > **Settings** > **Connection** > **Access points.**
2. Select **Options** > **New access point.** To use an existing access point as a basis for the new one, select **Use existing settings.** To start with an empty access point, select **Use default settings.**
3. Define the following settings.
  - **Connection name** — Enter a descriptive name for the connection.
  - **Data bearer** — Select **Wireless LAN.**
  - **WLAN netw. name** — To enter the service set identifier (SSID), that is, the name that identifies the specific wireless LAN, select **Enter manually.** To select the network from the wireless LANs in range, select **Search for netw..**
  - **Network status** — Select **Hidden** if the network you are connecting to is hidden, or **Public** if it is not hidden.
  - **WLAN netw. mode** — If you select **Infrastructure**, devices can communicate with each other and with wired LAN devices through a wireless LAN access point. If you select **Ad-hoc**, devices can send and receive data directly with each other, and no wireless LAN access point is needed.
  - **WLAN security mode** — You must select the same security mode that is used in the wireless LAN

access point. If you select WEP (wired equivalent privacy), 802.1x, or WPA2 (Wi-Fi protected access), you must also configure the relevant additional settings. See the extended user guide on the Web or the device help for more information.

- [WLAN security sett.](#) — Edit the security settings for the selected [WLAN security mode](#).
- [Homepage](#) — Enter the Web address of the page you want to display as a home page when you use this access point.

The settings available for editing may vary.

## Wireless LAN settings

See "Wireless LAN," p. 92.

## Web

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

**Web** is one of the two browsers in your device. With **Web**, you can browse regular Web sites. These pages use the extensible hypertext markup language (XHTML) or hypertext markup language (HTML). If you want to browse WAP pages, use **Menu** > **Media** > **Services**. Both of the browsers use their own bookmarks. The links in your received messages open in the **Services** browser.

Check the availability of services, pricing, and fees with your network operator or service provider. Service providers will also give you instructions on how to use their services.

### Access points

To browse the Web, you need to configure Internet access point settings. If you are using a data call or a GPRS connection, your wireless network must support data calls or GPRS, and the data service must be activated for your SIM card. Your device might have configured the Internet access point settings automatically based on your SIM card. If not, contact your service provider for the correct settings.



**Tip:** You may receive the Internet access point settings from your service provider as a special text message or from the network operator's or service provider's Web pages.

You can also enter the Internet access point settings manually. See "Internet access points," p. 61.

### Browse the Web

To browse the Web, select a bookmark, and press the scroll key. You can also enter the Web address, and press the scroll key. Use only services that you trust and that offer adequate security and protection against harmful software.



**Tip:** When you start to enter the address, addresses of pages you have previously visited that match your input are displayed. To open a page, scroll to the address, and press the scroll key.

To open a Web link, scroll to it and press the scroll key. On a Web page, new links appear underlined in blue and previously visited links in purple. Images that act as links have a blue border around them.

Addresses of the pages you visit are saved in the **Auto. bookmarks** folder.

Keyboard shortcuts:

- Press **1** to open your **Bookmarks**.
- press **2** to find text.
- Press **3** to return to the previous page.
- Press **5** to switch between your open browser windows.

- Press **8** to open page overview.
- Press **9** to go to a different Web page.

## Bookmarks

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.

To view a bookmarked Web page, scroll to the bookmark, and press the scroll key.

To browse other Web pages, select **Options** > **Navigation options** > **Go to web address**, enter the page address, and select **Go to**.

To delete a bookmark, scroll to it, and press the backspace key.

To add a bookmark, select **Menu** > **Web** > **Options** > **Bookmark manager** > **Add bookmark**. Scroll to **Name** to enter a descriptive name for the bookmark, **Address** to enter the Web page address, **Access point** to change the access point to connect to the Web page, and **User name** or **Password** to enter your user name and password, if required by the service provider. To save the bookmark, select **Back**.

## Download items

You can download different items such as ringing tones, images, operator logos, themes, and video clips. To download an item, scroll to it, and press the scroll key. These items can be provided free, or you can purchase them. Downloaded items are handled by the respective applications in your device.

When you start a download, a list of ongoing, paused, and completed downloads from the current browsing session is displayed. To view the list, you can also select **Options** > **Tools** > **Downloads**. In the list, scroll to an item, and select **Options** to pause, resume, or cancel ongoing downloads; or open, save, or delete completed downloads.

### To purchase items:

1. To download the item, scroll to the link, and press the scroll key.
2. Select the appropriate option to purchase the item.
3. Carefully read all the information provided. To continue the download, select **Accept**. To cancel the download, select **Cancel**.

## End a connection

To end the connection and view the browser page offline, select **Options** > **Advanced options** > **Disconnect**; or to end the connection and close the browser, select **Options** > **Exit**.

## Clear the cache

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

To clear the cache, select **Options** > **Advanced options** > **Clear cache**.

## News feeds and blogs

Select **Menu** > **Web** > **Web feeds**.

Feeds are xml files in various Web pages that usually contain headlines and articles, often about recent news or other topics. You can subscribe to interesting feeds on Web pages. Select **Options** > **Subscribe**.



**Tip:** Blog is a shortening of Weblog, which is a continuously updated Web diary. Often the author's personality is an important factor in the blog.

To download a feed or blog, scroll to it, and press the scroll key.

To add a feed or blog, select **Options** > **Manage feed** > **New feed**, and enter the information.

To edit a feed or blog, scroll to a feed, select **Options** > **Manage feed** > **Edit**, and modify the information.

## Web settings

Select **Menu** > **Web** > **Options** > **Settings**.

Define the following settings:

- **Access point** — Scroll to the access point to connect to Web pages, and press the scroll key.
- **Load imgs. & sounds** — Select **No** to load pages faster when browsing by not loading the images on them.
- **Default encoding** — Select the correct character encoding for your language.
- **Auto. bookmarks** — Select **On** to save Web page addresses that you visit automatically in the **Auto. bookmarks** folder. To hide the folder, select **Hide folder**.
- **Screen size** — Select **Full screen** to use the whole display area for viewing Web pages. You can press the left selection key to open **Options** and use the available options while browsing in full screen mode.
- **Homepage** — Select the page that you want to appear as your homepage. Select **Default** to use the access point homepage, **User defined** to enter the homepage address, or **Use current page** to use the currently open Web page.
- **Mini map** — Select whether you want to see an overview of the page as a miniature on top of the page you are viewing.
- **History list** — Select whether you want to see miniatures of the pages you have visited when you want to go back in your browsing history.
- **Cookies** — Select to allow or reject the sending and receiving of cookies. Cookies are info the network server collects about your visits to various Web pages. They are necessary if you shop on the Web

(for example, to retain the items you buy until you reach the cashier page). However, the information may be misused (for example, you may receive unwanted advertisements in your device).

- **Java/ECMA script** — Some Web pages may include program commands that affect the appearance of the page or interaction between the page and its browsers. To deny the use of such scripts, select **Disabled** (for example, if you have trouble downloading).
- **Security warnings** — Select **Show** or **Hide** to see or hide the security warnings you may receive during browsing.
- **Block pop-ups** — Select whether you want to allow pop-ups. Some pop-ups may be necessary (for example, smaller windows where you write e-mails in Web-based mail systems), but they may also contain unwanted advertising.

## Services

Select **Menu** > **Media** > **Services** (network service).

**Services** is one of the two browsers in your device. With **Services**, you can browse WAP pages that have been designed specially for mobile devices. For example, operators may have WAP pages for mobile devices. To browse regular Web pages, use the other browser in **Menu** > **Web**.

Check the availability of services, pricing, and fees with your network operator or service provider. Service providers will also give you instructions on how to use their services.



**Tip:** To start a connection, press and hold **0** in the standby mode.

## Office applications

**Office** folder contains tools that help you organize and manage the details of different events in your personal and business life.

Some applications in the **Office** folder are not available in all languages.

Opening a large file may not be possible or it may take a while.

### File manager

With **File mgr.**, you can manage the contents and properties of files and folders. You can open, create, move, copy, rename, and search for files and folders. Copyright protection may prevent sending some files.

### Quickoffice

To use the **Quickoffice** applications, select **Menu** > **Office** > **Quickoffice**. A list of files in the .doc, .xsl, .ppt, and .txt file formats saved in your device memory or the memory card opens.

To open a file in its respective application, press the scroll key.

To edit a file, open the file, and press the scroll key.

To sort files, select **Options** > **Sort by**.

To open **Quickword**, **Quicksheet**, or **Quickpoint**, scroll to the desired tab with the scroll key.

Not all file formats or features are supported.

For more information, see the device help.

### Quickword

With **Quickword**, you can view and edit Microsoft Word documents on the display of your device. **Quickword** supports colors, bold, and underline.

**Quickword** supports the viewing and editing of documents saved in .doc format in Microsoft Word 97, 2000, and XP. Not all variations or features of the mentioned file formats are supported.

To move in the document, use the scroll key.

To search the document for text, select **Options** > **Search options**.

You can also select **Options** and from the following:

- **Go to** — Move to the start, end, or selected position within the document.
- **Zoom** — Zoom in or out.
- **Start auto-scroll** — Start automatic scrolling through the document. To stop scrolling, select **Options** > **Stop auto-scroll**.

To edit the document, press the scroll key. Select **Edit**, and from the available options. You can, for example,



align text, change the font and font color, and add bullets and indentations.

## Quicksheet

With **Quicksheet**, you can read and edit Microsoft Excel files on the display of your device.

**Quicksheet** supports the viewing and editing of spreadsheet files saved in .xls format in Microsoft Excel 97, 2000, and XP. Not all variations or features of the mentioned file formats are supported.

To move around in the spreadsheet, use the scroll key.

To switch between worksheets, select **Options** > **Worksheet**.

To search the spreadsheet for a text, value, or formula, select **Options** > **Search**.

To change how the spreadsheet is displayed, select **Options** and from the following:

- **Pan** — Navigate within the current worksheet by blocks. A block contains columns and rows displayed by a screen. To display the columns and rows, scroll to a block and select **OK**.
- **Resize** — Adjust the size of columns or rows.
- **Zoom** — Zoom in or out
- **Freeze panes** — Keep the selected row, column, or both visible while you move in the spreadsheet.

To edit the spreadsheet, press the scroll key. Select **Edit**, and from the available options. You can, for example, format text and cells, insert mathematical operators and spreadsheet functions, and change the background color.

## Quickpoint

With **Quickpoint**, you can view and edit Microsoft PowerPoint presentations on the display of your device.

**Quickpoint** supports the viewing and editing of presentations created in .ppt format in Microsoft PowerPoint 2000 and XP. Not all variations or features of the mentioned file formats are supported.

To move between the slide, outline, and the notes view, scroll to the desired tab with the scroll key.

To move to the next or previous slide in the presentation, scroll up or down with the scroll key.

To view the presentation in full screen, select **Options** > **Full screen**.

To expand items in the presentation in the outline view, select **Options** > **Expand**.

To edit the presentation, press the scroll key. Select **Edit**, and from the available options. You can, for example, align text, change the font and font color, and add bullets and indentations.

## Print

You can print a message or file from the device, preview a print job, define page layout options, select a printer, or print to a file. You may not be able to print all messages, such as multimedia messages or other special messages.

To configure a printer for your device, select **Menu** > **Office** > **Printers** > **Options** > **Add**. To set the printer as the default printer, select **Options** > **Set as default**.

Before you print, make sure that your device is properly connected to the printer.

To print a message or a file, select **Options** > **Print**.

To print to a file, select **Options** > **Printing options** > **Print to file**, and determine the location for the file.

To change the printing options, select **Options** > **Printing options**. You can select the printer you want to use, the number of copies and the range of pages you want to print.

To change the page layout before printing, select **Options** > **Printing options** > **Page setup**. You can change the paper size and orientation, define the margins, and insert a header or a footer. The maximum length of the header and footer is 128 characters.

To preview a file or message before you print, select **Options** > **Printing options** > **Preview**.

## Notes

Select **Menu** > **Office** > **Notes**.

You can create and send notes to other compatible devices, and save plain text files (.txt format) that you receive to **Notes**.

To write a new note, select **Options** > **New note**, write the text and press **Done**.

## Calculator



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

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

To make a calculation, enter the first number of the calculation. Scroll to and select a function such as add or subtract from the function map. Enter the second number of the calculation, and select =. Use the keyboard to enter decimal points.

The calculator performs operations in the order they are entered. The result of the calculation remains in the editor field and can be used as the first number of a new calculation.

To save the results of a calculation, select **Options** > **Memory** > **Save**. The saved result replaces the previously stored number in memory.

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

To view the last saved result, select **Options** > **Last result**.

Exiting the calculator application or turning off the device does not clear the memory. You can recall the last saved result the next time you open the calculator application.

## Converter

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

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

## Convert measurements

1. Scroll to the **Type** field, and select **Options** > **Conversion type** to open a list of measures. Scroll to the measure you want to use, and select **OK**.
2. Scroll to the first **Unit** field, and select **Options** > **Change currency**. Select the unit from which you want to convert, and select **OK**. Scroll to the next **Unit** field, and select the unit to which you want to convert.
3. Scroll to the first **Amount** field, and enter the value you want to convert. The other **Amount** field changes automatically to show the converted value.

## Set base currency and exchange rate



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

Before you can make currency conversions, you must choose a base currency and add exchange rates. The rate of the base currency is always 1. The base currency determines the conversion rates of the other currencies.

1. To set the rate of exchange for the unit of currency, scroll to the **Type** field, and select **Options** > **Currency rates**.

2. A list of currencies opens, and you can see the current base currency at the top. Scroll to the currency type and enter the exchange rate you would like to set per single unit of currency.
3. To change the base currency, scroll to the currency, and select **Options** > **Set as base curr..**
4. Select **Done** > **Yes** to save the changes.

After you have inserted all the necessary exchange rates, you can make currency conversions.

## Screen export

You can show the screen of the device to an audience with a compatible data projector, or other compatible projection system. The screen content is transferred to the data projector using, for example, a Bluetooth connection.

Select **Menu** > **Office** > **Screen export**.

To be able to show screen content with a compatible data projector, you must install the drivers of the data projector. For more information, check with the data projector manufacturer or its representative.

Not all applications support this feature. You can start the external viewer in two ways: from the **Office** folder or inside an application that supports it.

## Show screen content

To show screen content with a data projector, open the screen export application, and select **Options** > **Select device**. In the list of available devices, scroll to the device

you want to use, and select **OK**. Select **Options** > **Enable** to show screen content.

To hide the screen content, select **Options** > **Hide**. The screen exporter application is moved to the background.

To stop showing screen content, select **Options** > **Disable**.

# Data and software management

## Application manager



**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.

Select **Menu** > **Installat.** > **App. mgr.**.

When you open the application manager, you see all the software packages that have been installed, with their name, version number, type, and size. You can view the details of installed applications, remove them from your device, and specify installation settings.

## Remote configuration network service

Select **Menu** > **Connect.** > **Dev. mgr.**.

You can connect to a server and receive configuration settings for your device. You may receive server profiles and different configuration settings from your network operator, service providers, and company information management department. Configuration settings may include connection and other settings used by different applications in your device. Available options may vary.

The remote configuration connection is usually started by the server when the device settings need to be updated.

## Remote configuration settings

In the **Dev. mgr.** main view, select **Options** and select from the following:

- **Start configuration** — Connect to the server and receive configuration settings for your device.
- **New server profile** — Create a new server profile.
- **Edit profile** — Change the profile settings.
- **Delete** — Remove the selected profile.
- **Enable config.** — Select to receive configuration settings from those servers for which you have a server profile and have allowed configuration.
- **Disable config.** — Select to stop receiving configuration settings from all servers for which you have a server profile.
- **View log** — View the configuration log of the selected profile.

## Data synchronization

**Menu** > **Connect.** > **Sync.**

Use **Sync** to synchronize (network service) your contacts, calendar, or notes with corresponding applications on a compatible computer or remote Internet server. Your synchronization settings are saved in a synchronization profile. The application uses SyncML technology for remote synchronization. For information on SyncML compatibility, contact the

supplier of the applications with which you want to synchronize your device.

The available applications you can synchronize may vary. Contact your service provider for more information.



**Tip:** You may receive the synchronization settings as a message from your service provider.

## Create a synchronization profile

To create a profile, select **Options** > **New sync profile** and select from the following options:

- **Sync profile name** — Enter a name for the profile.
- **Applications** — Select the applications to synchronize with the profile.
- **Connection settings** — Specify the needed connection settings. Contact your service provider for information.

## Download!

Select **Menu** > **Download!**.

Download! (network service) is a mobile content shop available on your device. You can browse, download, and install items, such as latest applications and related documents, to your device from the web.

The items are categorized under catalogs and folders provided by Nokia or independent service providers. Some items may be chargeable, but you can usually preview them free of charge.

Only install and use applications and other software from sources that offer adequate security and protection against harmful software.

If Download! is not available from your wireless service provider, it may not appear in the menu of your device. For more information on the availability of Download!, contact your network operator, service provider, or dealer.

## Settings Wizard

Select **Menu** > **Tools** > **Sett. wizard**.

Settings Wizard configures your device for operator (MMS, GPRS, and Internet) and e-mail settings based on your network operator information.

To use these services, you may have to contact your network operator or service provider to activate a data connection or other services.

If Settings Wizard is not available from your wireless service provider, it may not appear in the menu of your device. For more information on the availability of Settings Wizard, contact your network operator, service provider, or dealer.

The availability of different settings items in Settings Wizard depends on the features of the device, SIM card, wireless service provider, and the availability of the data in the Settings Wizard database.

When you use the wizard for the first time you are guided through settings configuration. To start the wizard, select **Start**.

If there is no SIM card inserted, you will be asked to select the home country of your wireless service provider, and your service provider. If the country or service provider suggested by the wizard is not the correct one, select the correct one from the list.

To access the main view of the Settings Wizard after the wizard has finished the settings configuration, select **OK**.

If the settings configuration is interrupted, the settings will not be defined. After closing the wizard, you can start to use the configured applications.

If you are not able to use **Sett. wizard**, visit the Nokia phone settings Web site at [www.nokia.com](http://www.nokia.com).

For additional information, refer to the reference leaflet included with your Nokia device.

## Camera

You can take photos or record video clips with the built-in camera. The camera lens is on the back of the device, and the display works as a viewfinder. The camera produces pictures in .jpeg format and video clips in .3gpp format.

### Take a picture

1. Select **Menu** > **Media** > **Camera**.  
Your device supports an image capture resolution of up to 1600 x 1200 pixels.
2. Use the display as a viewfinder, aim at your subject, and press the scroll key. The device saves the photo in the default folder, or in the folder you have defined.



**Tip:** To zoom in or out before taking a picture, scroll up or down.

3. If you do not want to keep the saved photo, select **Options** > **Delete**. Select **Back** to return to the viewfinder to take another picture. Select **Options** > **Go to Gallery** to view the photo in **Gallery**.

If the light is dim, select **Options** > **Night mode** after you have opened **Camera** but before taking a picture.

To adjust the image, select **Options** > **Adjust** > **White balance** or **Color tone**.

To take pictures in a sequence, select **Options** > **Sequence mode**. The camera takes six pictures in a row.

To take timed pictures, select **Options** > **Self-timer**, select the desired timeout, and press **Activate**. The camera takes a picture after the timeout has passed.



**Tip:** You can view photos in **Menu** > **Media** > **Gallery** > **Images**.

### Record a video clip

Select **Camera**, and scroll right to activate the video recorder. To start recording a video clip, press the scroll key. The remaining recording time is shown on the top of the display. To pause the recording, select **Pause**; to resume the recording, select **Continue**. To stop the recording, select **Stop**. The device saves the clip in the default folder, or in the folder you have defined. If you do not want to keep the saved video clip, select **Options** > **Delete**. Select **Back** to return to the viewfinder to record another video clip. Select **Options** > **Play** to view the video clip in the **RealPlayer** application.



## Insert pictures into messages

When you are creating a new multimedia message, you can open the camera to insert a new picture into the message.

To insert a picture into a multimedia message, select **Options** > **Insert new** > **Image**. The viewfinder shows you the image to be captured. To take a picture, press the scroll key. To insert the picture in the message, press the scroll key.

## Insert videos into messages

When you are creating a new multimedia message, you can open the camera to insert a new video into the message.

To insert a video into a multimedia message, select **Options** > **Insert new** > **Video clip**. Press the scroll key to start recording. To insert the video in the message, select **Options** > **Select**.

## Settings

To edit the image settings, select **Menu** > **Media** > **Camera** > **Options** > **Settings** > **Image**, and define the following:

- **Image quality** — Define how much the picture is compressed when being saved. **High** provides the best image quality, but takes more memory. **Normal** is the default quality setting. **Basic** takes the least amount of memory.

- **Show captured img.** — Select whether you want the captured image to be displayed after the capture.
- **Image resolution** — Select the resolution of the images you capture.
- **Default image name** — Select **Date** or **Text** for the default title assigned to a picture. **Date** assigns the date of the capture as the title. **Text** assigns the term you define and a number to the picture.
- **Memory in use** — Select the memory to use for storing images: **Phone memory** or **Memory card**.

To edit the video settings, select **Options** > **Settings** > **Video**, and define the following:

- **Length** — Select the length of the video clips that you record. The maximum length of a video clip depends on the available memory.
- **Video resolution** — Select the resolution to use during video recording. The default setting for the resolution is always the lowest setting.
- **Default video name** — Select **Date** or **Text** for the default title assigned to a recorded video. **Date** assigns the date of the recording as the title. **Text** assigns the term you define and a number to the recorded video.
- **Memory in use** — Select the memory to use for storing recorded videos: **Phone memory** or **Memory card**.

## Media applications

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

**Media** contains different media applications that allow you to save and view images, record sounds, and play sound clips.

### Gallery

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

Use **Gallery** to access and use different types of media, including images, videos, music, and sounds. All viewed images and videos and all received music and sounds are automatically saved to **Gallery**. You can browse, open, and create folders; and mark, copy, and move items to folders. Sound clips are opened in the Music Player, and video clips and streaming links in the RealPlayer application.

To open a file or a folder, press the scroll key. Images are opened in the image viewer.

To download files into the **Gallery** in one of the main folders using the browser, select **Graphic downl.**, **Video downl.**, **Track downl.**, or **Sound downl.**. The browser opens, and you can choose a bookmark or enter the address for the site to download from.

To search for a file, select **Options** > **Find**. Start to enter a search string (for example, the name or date of the file you are searching for). Files that match the search are shown.

### Images

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

**Images** consists of two views:

- In the image browser view you can send, organize, delete, and rename images stored in your device or memory card.
- In the image viewer, which opens when you select an image in the image browser view, you can view, and send individual images. You can set images as wallpaper for your display.

The following file formats are supported: JPEG, BMP, PNG, and GIF 87a/89a. The device does not necessarily support all variations of the file formats.

To open an image for viewing, select an image in the image browser view, and select **Options** > **Open**. The image opens in the image viewer.

To open the next or previous image for viewing, scroll right or left in the image viewer.

To enlarge the viewed image on the display, select **Options** > **Zoom in**, or press **5** or **7**. To reduce the viewed image on the display, select **Zoom out** or press **0**.

To view the image in full screen size, select **Options** > **Full screen** or press **7** twice. To return to normal view, select **Options** > **Normal screen**.

To rotate an image, select an image, and **Options** > **Rotate**. Select **Right** to rotate the image clockwise by 90 degrees, or select **Left** to rotate the image counterclockwise by 90 degrees.

### Manage image files

To view detailed information about an image, select an image and **Options** > **View details**. Size and format of the file, the time and date the file was last modified and the resolution of the image in pixels are displayed.

To send an image, select the image, **Options** > **Send**, and the method for sending.

To rename an image, select an image and **Options** > **Rename**. Enter a new name, and select **OK**.

To set an image as wallpaper, select the image and **Options** > **Set as wallpaper**.

To add an image to a contact card, select an image and **Options** > **Add to contact**. The contacts view opens, and you can select the contact for the image.

## RealPlayer

Select **Menu** > **Media** > **RealPlayer**.

**RealPlayer** can play video clips and audio files that are stored in the device memory or on a memory card, transferred to your device from e-mail or compatible PC, or streamed to your device over the Web.

Formats supported by **RealPlayer** include MPEG-4, MP4 (not streaming), 3GP, RV, RA, AAC, AMR, and Midi. **RealPlayer** does not necessarily support all variations of a media file format.



**Tip:** Streaming audio and video files means playing them directly from the Web without downloading them first to your device.

## Play video clips and stream links



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

To select audio and video files to play with **RealPlayer**, select **Options** > **Open**, and scroll to a media clip in your device or on a memory card.

To play streaming media, select a Web link that points to a media clip, and select **Play**; or connect to the Web, browse to a video clip or audio file, and select **Play**. **RealPlayer** recognizes two kinds of links: an `rtsp://` URL and an `http://` URL that points to a RAM file. Before the content begins streaming, your device must connect to a Web site and buffer the content. If a network connection problem causes a playback error, **RealPlayer** attempts automatically to reconnect to the Internet access point.

To save a media clip, select **Options** > **Save**, scroll to a folder in device memory or on a memory card, and select **Save**. To save a link to a media file on the Web, select **Save link**.

To fast-forward or rewind the clip during playback, scroll up or down.

To increase or decrease the volume during playback, press the volume keys.

## Settings

Select **Menu** > **Media** > **RealPlayer** > **Options** > **Settings**.

### Video settings

Select **Loop** > **On**, if you want to replay video clips automatically after they finish playing.

### Connection settings

Select **Connection**, scroll to the following settings, and press the scroll key to edit:

- **Proxy** — Select whether to use a proxy server and to key in the proxy server's IP address and port number.
- **Network** — Change the access point to connect to the Internet and to set the port range used when connecting.

### Proxy settings

Proxy servers are intermediate servers between media servers and their users. Some service providers use them for additional security or to speed up access to Web pages that contain media files.

Contact your service provider for the correct settings.

Select **Connection** > **Proxy**, scroll to the following settings, and press the scroll key to edit:

- **Use proxy** — Select **Yes** to use a proxy server.
- **Proxy serv. address** — Enter the IP address of the proxy server. This setting is only available if you select to use a proxy server.

- **Proxy port number** — Enter the port number of the proxy server. This setting is only available if you select to use a proxy server.

### Network settings

Contact your service provider for the correct settings.

Select **Connection** > **Network**, scroll to the following settings, and press the scroll key to edit:

- **Default access point** — Scroll to the access point to connect to the Internet, and press the scroll key.
- **Online time** — Set the time when **RealPlayer** disconnects from the network when you pause a media clip that plays using a network link. Select **User defined**, and press the scroll key. Enter the time, and select **OK**.
- **Lowest UDP port** — Enter the lowest port number of the server port range. The minimum value is 1024.
- **Highest UDP port** — Enter the highest port number of the server port range. The maximum value is 65535.

## Music player



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

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

With the music player, you can play music files and create and listen to track lists. The music player supports files with extensions such as MP3 and AAC.

## Listen to music



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

To select a music track, select **Options** > **Music library**. **All tracks** lists all music on your device. To view sorted songs, select **Albums**, **Artists**, **Genres**, or **Composers**. To play a track, scroll to the track, and select **Options** > **Play**. When a track is playing, to change between play and pause, press **▶** and **⏸**. To stop a track, press **■**.

After you add or remove music files in the device, update your **Music library**. Select **Options** > **Update Music library**. The player searches the device memory for music files and updates them to the **Music library**.

To select the previous or next track, scroll the scroll key up or down.

To play the music tracks repeatedly, select **Options** > **Loop**. Select **All** to repeat all the tracks in the current folder, **One** to repeat the selected track, or **Off** to set off the repeating.

To play music in random order, select a folder and **Options** > **Random play**.

To view music track information, scroll to the desired track and select **Options** > **View details**.

Keyboard shortcuts:

- Press **5** to pause a track.
- press **4** to return to the beginning of the track. Press within two seconds after a song has started to go to the previous track. Press and hold to rewind.

- Press **6** to go to the next track. Press and hold to fast forward.
- Press **8** to stop a track.

## Adjust music volume

To control the music volume, press the volume keys. To mute the volume, press the lower volume key until the volume is muted.

## Track lists

You can create a new track list and add tracks to it, or select a saved track list.

To create a new track list, select **Options** > **Music library** > **Track lists** > **Options** > **New track list**. Write the name of the new track list, and select **OK**.

To add a track to a track list, open the track list, and select **Options** > **Add tracks**.

## Equalizer

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

You can personalize the sound of your music files with **Equalizer**. You can use preset frequency settings based on styles of music, like classical or rock. You can also create customized settings based on your own listening preferences.

You cannot use other functions of **Music player** while **Equalizer** is open.

With **Equalizer**, you can enhance or diminish frequencies during music playback and modify how your music sounds. There are preset frequency settings in your device, for example **Rock**.

To use a preset frequency setting when playing music, scroll to the frequency setting you want to use, and select **Options** > **Activate**.

#### Create your own frequency setting

1. To create your own frequency setting, select **Options** > **New preset**.
2. Enter a name for the preset frequency setting, and select **OK**.
3. Scroll up or down to move between the frequency bands and set the frequency on each band. To move between bands, scroll left or right.
4. Select **Back** to save the new frequency setting or select **Options** > **Reset to defaults** to set the bands at a neutral frequency and start over.

## Recorder

Select **Menu** > **Media** > **Recorder**.

With **Recorder**, you can record up to 60 seconds of a voice memo, save the voice recording as a sound clip, and play the sound clip. **Recorder** supports the AMR format.

Press the voice key to activate **Recorder**. If push to talk is available in your network, and you have logged in to the service, the voice key works as a push to talk key and does not activate **Recorder**.

To record a voice memo, select **Options** > **Record sound clip**. Select **Pause** to pause the recording and **Record** to resume recording. When you finish recording, select **Stop**. The sound clip is automatically saved.

The maximum length of a voice recording is 60 seconds, but it also depends on the storage space available in device memory or on a memory card.

## Play a voice recording

To listen to a voice recording that you just recorded, select the play icon (▶). Select **Stop** to cancel playback. The progress bar displays the playing time, position, and length of a voice recording.

To pause playback of a voice recording, select **Pause**. Playback resumes when you select **Play**.

Voice recordings that you receive or record are temporary files. You must save the files that you want to keep.

## Flash player

Select **Menu** > **Media** > **Flash Player**.

With **Flash Player**, you can view, play, and interact with flash files made for mobile devices.

To open a folder or play a flash file, scroll to the folder or file, and press the scroll key.

To send a flash file to compatible devices, scroll to it, and press the call key. Copyright protection may prevent the sending of some flash files.

To switch between flash files saved on your device memory or memory card, scroll left or right.

The available options may vary.

## Settings

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

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

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

Scroll to the setting that you want to edit, and press the scroll key to do the following:

- Switch between two values, such as on or off.
- Select a value from a list.
- Open a text editor to enter a value.
- Open a slider to decrease or increase the value by scrolling left or right.

### Phone settings

Select **Phone** to change the language settings, standby mode settings, and display settings of your device.

### General settings

Select **General** and from the following:

- **Phone language** — Select a language from the list. Changing the device language affects every

application in your device. When you change the language, the device restarts.

- **Writing language** — Select a language from the list. Changing the writing language also affects the characters that are available when writing text.
- **Welcome note / logo** — Select **Default** to use the default image, **Text** to enter a welcome note of your own, or **Image** to select an image from the Gallery. The welcome note or image is displayed briefly each time you switch on the device.
- **Orig. phone settings** — Restore the original device settings. To do this, you need your device lock code. After resetting, the device may take a longer time to power on. Documents, contact information, calendar entries, and files are unaffected.

### Standby mode settings

Select **Standby mode** and from the following:

- **Active standby** — Select **On** to have shortcuts to different applications available in the active standby mode.
- **Left selection key, Right selection key** — Change the shortcuts that open from the left and right selection keys in the standby screen. Press scroll key, select a function from the list, and **OK**.
- **Navigation key right, Navigation key left, Navigat. key down, Navigation key up, Selection key** — Change the shortcuts that open when you



scroll to different directions. These settings are not available if you select **Active standby** > **On**.

- **Active standby apps** — Select the applications that you want to access from the active standby.
- **Active standby mailbox** — Select the inbox or the mailbox that is shown in the active standby.
- **Active standby plug-ins** — Select the plug-ins that are shown in the active standby. You can, for example, see how many voice mails you have. Even if you switch off the active standby notifications for missed calls and messages, the default notification will still show them. The available plug-ins may vary.

## Display settings

Select **Display** and from the following:

- **Light sensor** — Adjust the amount of light used to illuminate the device display.
- **Power saver time-out** — Select the amount of time before the screen saver is activated. Activating the screen saver lengthens the device operating time.
- **Light time-out** — Set how quickly after last keypress the display dims.

## Call settings

Select **Call** and from the following:

- **Send my caller ID** — Select **Yes** to display your phone number to the person you are calling or **Set by network** to let the network to determine whether your caller ID is sent.

- **Send my net call ID** — Set this feature on if you want to display your net caller ID to the person you are calling.
- **Call waiting** — Select **Activate** to be notified of a new incoming call while you have a call in progress or **Check status** to check if the function is active on the network.
- **Internet call waiting** — Activate this feature to be notified of a new incoming call while you have a net call in progress.
- **Internet call alert** — Set this on if you want the device to respond to the caller that it is busy. If you set this off, the device emits a busy tone to the caller and you receive a notification about the missed call.
- **Default call type** — Select **Cellular** to make normal calls to the phone number or **Internet** to use VoIP to call the number or address.
- **Reject call with SMS** — Select **Yes** to send a text message to the person who is calling you informing why you cannot answer their incoming call.
- **Message text** — Enter the text that is sent when you cannot answer an incoming call and want to automatically send a text message as a reply.
- **Image in video call** — Select **Use selected** to select a still image to be displayed instead of a video during a video call or **None** to not send any image during a video call. This option is available only if your device is equipped to work within UMTS networks and you have UMTS network coverage. See "UMTS (3G)," p. 54.
- **Automatic redial** — Select **On** to redial a number if it was busy at the first call attempt. Your device makes a maximum of 10 attempts to connect the call.
- **Summary after call** — Select **On** to briefly display the approximate duration of the last call.

- **1-touch dialing** — Select **On** to activate speed dialing on your device. To dial a phone number assigned to the speed dialing keys (2-9), press and hold the key. See "1-touch dial," p. 35.
- **Anykey answer** — Select **On** to answer an incoming call by briefly pressing any key, except the end key.
- **Line in use** — Select **Line 1** or **Line 2** to change the phone line for outgoing calls and text messages (network service). This setting is displayed only if the SIM card supports the alternate line service and a subscription to two phone lines.
- **Line change** — Select **Disable** to prevent line selection (network service). To change this setting, you need the PIN2 code.
- **Internet call alert** — Select **Off** to notify incoming net calls that your device is busy or **On** to accept incoming net calls.

## Connection settings

Select **Menu** > **Tools** > **Settings** > **Connection** and from the following:

- **Access points** — Set up new or edit existing access points. Some or all access points may be preset for your device by your service provider, and you may not be able to create, edit, or remove them.
- **Access point groups** — Set up new or edit existing access point groups that are used in automatic connection establishment and e-mail roaming.
- **Packet data** — Determine when packet data connections are used, and enter the access point if you use your device as a modem for a computer.
- **Internet tel. settings** — Define settings for net calls.

- **SIP settings** — View or create session initiation protocol (SIP) profiles.
- **Data call** — Set the time-out period after which data call connections automatically end.
- **VPN** — Install and manage VPN policies, manage VPN policy servers, see the VPN log, and create and manage VPN access points.
- **Wireless LAN** — Determine if the device displays an indicator when a wireless LAN is available, and how often the device searches for networks.
- **Configurations** — View and delete trusted servers from which your device may receive configuration settings.

To obtain information about wireless LAN or subscribing to a packet data service and the appropriate connection and configuration settings, contact your network operator or service provider.

The settings available for editing may vary.

## Access points

Select **Menu** > **Tools** > **Settings** > **Connection** > **Access points**.

An access point is where your device connects to the network by way of a data connection. To use e-mail and multimedia services or to browse web pages, you must first define access points for these services.

An access point group is used for grouping and prioritizing access points. An application can use a group as a connection method instead of a single access point. In that case, the best available access point inside a group is used for making the connection, and in case of e-mail, also for roaming.

Some or all access points may be preset for your device by your service provider, and you may not be able to create, edit, or remove them.

See "Internet access points," p. 61.

## Access point groups

Select [Menu](#) > [Tools](#) > [Settings](#) > [Connection](#) > [Access point groups](#).

An access point group is used for grouping and prioritizing access points. An application can use a group as a connection method instead of a single access point. In that case the best available access point inside a group is used for making connection and in case of e-mail, also for roaming. See "Access point groups," p. 60.

## Packet data

Select [Menu](#) > [Tools](#) > [Settings](#) > [Connection](#) > [Packet data](#).

Your device supports packet data connections, such as GPRS in the GSM network. When you are using your device in GSM and UMTS networks, if your device is equipped to work within UMTS networks, it is possible to have multiple data connections active at the same time; access points can share a data connection, and data connections remain active (for example, during voice calls). See "Connection manager," p. 62.

### Packet data settings

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

Select from the following:

- **Packet data conn.** — Select **When available** to register the device to the packet data network when you switch the device on in a supported network. Select **When needed** to establish a packet data connection only when an application or action requires it.
- **Access point** — Enter the access point name provided by your service provider to use the device as a packet data modem to your computer.

These settings affect all access points for packet data connections.

## Net call settings

Select [Menu](#) > [Tools](#) > [Settings](#) > [Connection](#) > [Internet tel. settings](#). Select [Options](#) > [New profile](#) or [Options](#) > [Edit](#).

Scroll to **Name**, press the scroll key, enter a name for the profile, and select **OK**.

Scroll to **SIP profiles**, press the scroll key, select a profile and **OK**. SIP protocols are used for creating, modifying, and terminating communications sessions such as net calls with one or more participants. SIP profiles include settings for these sessions.

To save your settings, press **Back**.

## Data call settings

Select [Menu](#) > [Tools](#) > [Settings](#) > [Connection](#) > [Data call](#).

To set the time-out period after which data calls automatically end if no data has been transferred, select **Online time**, and press the scroll key. Select **User defined** to enter the time yourself or **Unlimited** to keep the connection active until you select **Options** > **Disconnect**.

## VPN

### VPN access points

To manage VPN access points, select **VPN** > **VPN access points** > **Options**, and from the following:

- **Edit** — Edit the selected access point. If the access point is in use or its settings are protected, you cannot edit it.
- **New access point** — Create a new VPN access point.
- **Delete** — Delete the selected access point.

### VPN access point settings

Contact your service provider for the correct access point settings.

To edit VPN access point settings, select the access point and **Options**.

Select from the following:

- **Connection name** — Enter a name for the VPN connection. The maximum length of the name is 30 characters.
- **VPN policy** — Select a VPN policy to be used with this access point.
- **Internet access pt.** — Select the Internet access point to be used with this VPN access point.

- **Proxy serv. address** — Enter the proxy server address of this VPN access point.
- **Proxy port number** — Enter the number of the proxy port.

## Wireless LAN

Select **Menu** > **Tools** > **Settings** > **Connection** > **Wireless LAN**.

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

To select the time interval for your device to scan for available wireless LANs and update the indicator, select **Scan for networks**.

### Advanced WLAN settings

Select **Menu** > **Tools** > **Settings** > **Connection** > **Wireless LAN** > **Options** > **Advanced settings**. The wireless LAN advanced settings are normally defined automatically, and changing them is not recommended.

To edit the settings manually, select **Automatic config.** > **Disabled**, and define the following:

- **Long retry limit** — Enter the maximum number of transmission attempts if the device does not receive a receiving acknowledgement signal from the network.
- **Short retry limit** — Enter the maximum number of transmission attempts if the device does not receive a clear-to-send signal from the network.

- **RTS threshold** — Select the data packet size at which the wireless LAN access point device issues a request to send before sending the packet.
- **TX power level** — Select the power level of your device when sending data.
- **Radio measurements** — Enable or disable the radio measurements.
- **Power saving** — Enable or disable conservation of battery power.

To restore all settings to their original values, select **Options** > **Restore defaults**.

### Security settings for wireless LAN access points

Select **Menu** > **Tools** > **Settings** > **Connection** > **Access points**. Select **Options** > **New access point** and start to create a wireless LAN access point, or select a wireless LAN access point and **Options** > **Edit**.

#### WEP security settings

In the access point settings, select **WLAN security mode** > **WEP**.

Wired equivalent privacy (WEP) encryption method encrypts data before it is transmitted. Access to the network is denied to users who do not have the required WEP keys. When WEP security mode is in use, if your device receives a data packet not encrypted with the WEP keys, the data is discarded.

In an **Ad-hoc** network, all devices must use the same WEP key.

Select **WLAN security sett.** and from the following:

- **WEP key in use** — Select the desired WEP key.

- **Authentication type** — Select **Open** or **Shared**.
- **WEP key settings** — Edit the settings for the WEP key.

#### 802.1x security settings

In the access point settings, select **WLAN security mode** > **802.1x**.

**802.1x** authenticates and authorizes devices to access a wireless network, and prevents access if the authorization process fails.

Select **WLAN security sett.** and from the following:

- **WPA mode** — Select **EAP** (Extensible Authentication Protocol) or **Pre-shared key** (a secret key used for device identification).
- **EAP plug-in settings** — If you selected **WPA mode** > **EAP**, select which EAP plug-ins defined in your device to use with the access point.
- **Pre-shared key** — If you selected **WPA mode** > **Pre-shared key**, enter the shared private key that identifies your device to the wireless LAN to which you connect.

The settings available for editing may vary.

#### WPA security settings

In the access point settings, select **WLAN security mode** > **WPA/WPA2**.

Select **WLAN security sett.** and from the following:

- **WPA mode** — Select **EAP** (Extensible Authentication Protocol) or **Pre-shared key** (a secret key used for device identification).
- **EAP plug-in settings** — If you select **WPA mode** > **EAP**, select which EAP plug-ins defined in your device to use with the access point.

- **Pre-shared key** — If you select **WPA mode** > **Pre-shared key**, enter the shared private key that identifies your device to the wireless LAN to which you connect.

The settings available for editing may vary.

#### EAP

To view the EAP (extensible authentication protocol) plug-ins currently installed in your device (network service), select **Menu** > **Tools** > **Settings** > **Connection** > **Access points**. Select **Options** > **New access point** and define an access point that uses wireless LAN as a data bearer and **802.1x** or **WPA/WPA2** as the security mode. Select **WLAN security sett.** > **WPA mode** > **EAP**, scroll to **EAP plug-in settings**, and press the scroll key.

The extensible authentication protocol (EAP) plug-ins are used in wireless networks to authenticate wireless devices and authentication servers, and the different EAP plug-ins make possible the use of various EAP methods (network service).

To use an EAP plug-in when you connect to a WLAN using the access point, select the desired plug-in and **Options** > **Enable**. The EAP plug-ins enabled for use with this access point have a check mark next to them. To not use a plug-in, select **Options** > **Disable**.

To edit the EAP plug-in settings, select **Options** > **Configure**.

To change the priority of the EAP plug-in settings, select **Options** > **Raise priority** to attempt to use the plug-in before other plug-ins when connecting to the network with the access point, or **Options** > **Lower priority** to

use this plug-in for network authentication after attempting to use other plug-ins.

The available options may vary.

See the device help for more information on EAP plugins.

## Configurations

To view and delete configurations for trusted servers, select **Menu** > **Tools** > **Settings** > **Connection** > **Configurations**.

You can receive messages from your network operator, service provider, or company information management that contain configuration settings for trusted servers. These settings are automatically saved in **Configurations**. You may receive configuration settings for access points, multimedia or e-mail services, and IM or synchronization settings from trusted servers.

To delete configurations for a trusted server, scroll to the server, and press the backspace key. The configuration settings for other applications provided by this server are also deleted.

## Date and time settings

See "Clock," p. 53.

## Security settings

See "Define security settings," p. 96.

## Enhancement settings

Select [Menu](#) > [Tools](#) > [Settings](#) > [Enhancement](#).



**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.

With most enhancements, you can select from the following settings:

- **Default profile** — Select the profile that is activated when you attach an enhancement to your device.
- **Automatic answer** — Let the device answer phone calls automatically when an enhancement is attached. Select **On** to have the device answer an incoming call automatically after 5 seconds. If the ringing type is set to **Beep once** or **Silent** in the Profiles menu, automatic answer is disabled.
- **Lights** — Select **On** to illuminate the device while it is attached to an enhancement.

## Security

### Device security

Select **Menu** > **Tools** > **Settings** > **Security** > **Phone and SIM**.

You can modify the security settings for the PIN code, automatic lock, and SIM card change, and change codes and passwords.

Avoid using codes that are similar to emergency numbers to prevent accidental dialing of the emergency number.

Codes are shown as asterisks. When you change a code, enter the current code, then the new code twice.

### Define security settings

To define device and SIM card settings, select a setting and **Options** > **Change**.

When calls are limited to closed user groups, calls may be possible to the official emergency number programmed into your device.

Define the following settings:

- **PIN code request** — Select **On** to request that the PIN code is entered each time the device is switched on. This setting cannot be changed if the device is switched off. Some SIM cards do not allow turning off the PIN code request.

- **PIN code** — Change the PIN code. The PIN code must be 4 to 8 numbers long. The PIN code protects your SIM card against unauthorized use and is provided with the SIM card. After three consecutive incorrect PIN code entries, the PIN code is blocked, and you need to use the PUK code to unblock it before you can use the SIM card again.
- **PIN2 code** — Change the PIN2 code. The PIN2 code must be 4 to 8 numbers long. The PIN2 code is required to access some functions of the device and is provided with the SIM card. After three consecutive incorrect PIN2 code entries, the PIN2 code is blocked, and you need to use the PUK2 code to unblock it before you can use the SIM card again.
- **Autolock period** — Set a time-out after which the device is automatically locked and can be used only if the correct lock code is entered. Enter a number for the time-out in minutes, or select **None** to turn off the autolock period. When the device is locked, you can still answer incoming calls and calls may still be possible to the official emergency number programmed into your device.
- **Lock code** — Change the lock code. The new code can be 4-255 characters long. Both alphabets and digits can be used, and both uppercase and lowercase alphabets are possible. The device notifies you if the lock code is not properly formatted. The preset code is 12345. To avoid unauthorized use of your device, change the lock code. Keep the new code secret and in a safe place separate from your device.



- **Lock if SIM changed** — Set the device to ask for the lock code when an unknown, new SIM card is inserted into your device. The device maintains a list of SIM cards that are recognized as the owner's cards.
- **Allow remote lock** — If you set this option on, you can lock the device by sending a predefined text message from another phone. When you set this option on, you need to enter the remote lock message and confirm the message. The message must be at least 5 characters long. The maximum number of characters allowed is 8. Using more than 8 characters could prevent unlocking the memory card and require reformatting it. If reformatting the memory card is required, all information on the card will be lost.
- **Closed user group** (network service) — Specify a group of people to whom you can call and who can call you.
- **Confirm SIM services** (network service) — Set the device to display confirmation messages when you are using a SIM card service.

## Change the restriction password

To change the password used for restricting voice, fax, and data calls, select **Menu** > **Tools** > **Settings** > **Call restriction** > **Cellular call restriction** > **Options** > **Edit restr. password**. Enter the current code, then the new code twice. The restriction password must be four digits long. For details, contact your service provider.

## Fixed dialing

When fixed dialing is activated, calls may be possible to the official emergency number programmed into your device.

Press the contacts key. Select **Options** > **SIM contacts** > **Fixed dialing contacts**.

With the fixed dialing service, you can restrict calls from your device to only certain phone numbers. Not all SIM cards support the fixed dialing service. Contact your service provider for more information.

Select **Options**, and select from the following options:

- **Activ. fixed dialing** — Restrict calls from your device. To cancel the service, select **Deact. fixed dialing**. You need your PIN2 code to activate and deactivate fixed dialing or edit your fixed dialing contacts. Contact your service provider if you do not have the code.
- **New SIM contact** — Add a phone number to the list of numbers to which calls are allowed. Enter the contact name and phone number. To restrict calls by a country prefix, enter the country prefix in **New SIM contact**. All phone numbers to which calls are allowed must start with this country prefix.
- **Add from Contacts** — Copy a contact from **Contacts** to your fixed dialing list.



**Tip:** To send text messages to the SIM contacts while the fixed dialing service is active, you need to add the text message center number to the fixed dialing list.

To view or edit a phone number to which calls from your device are allowed, select **Options** > **SIM contacts** > **Fixed dialing contacts**.

To call the contact, press the call key.

To edit the phone number, select **Options** > **Edit**. You may need your PIN2 code to edit your fixed dialing numbers.

To delete the contact, press the backspace key.

## Memory card security

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

To remove the memory card password, select **Options** > **Remove password**. When you remove the password, the data on the memory card is not protected against unauthorized use.

## Certificate manager



**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.

Digital certificates are used to verify the origins of software but do not guarantee safety. There are three different types of certificates: authority certificates, personal certificates, and server certificates. During a secure connection, a server may send a server certificate to your device. Upon receipt, it is checked through an authority certificate stored on your device. You receive notification if the identity of the server is not authentic or if you do not have the correct certificate in your device.

Download a certificate from a web site, or receive a certificate as an e-mail attachment, or as a message sent through a Bluetooth or infrared connection. Certificates should be used when you connect to an online bank or a remote server to transfer confidential information. They should also be used if you want to reduce the risk of viruses or other malicious software, and to check the authenticity of software when you download and install software to your device.



**Tip:** When you add a new certificate, check its authenticity.

## Mobile VPN

Select **Menu** > **Tools** > **Settings** > **Connection** > **VPN**.

The Nokia mobile virtual private network (VPN) client creates a secure connection to compatible corporate Intranet and services, such as e-mail. Your device connects from a mobile network, through the Internet, to a corporate VPN gateway that acts as a front door to the compatible corporate network. VPN client uses IP Security (IPSec) technology. IPSec is a framework of open standards for supporting secure exchange of data over IP networks.

VPN policies define the method used by VPN client and a VPN gateway to authenticate each other, and the encryption algorithms that they use to help protect the confidentiality of data. Contact your corporation for a VPN policy.

To use VPN with an application, the application must be associated with a VPN access point. A VPN access point is made up of an Internet access point and a VPN policy.

To manage VPN, select **VPN management** > **Options** > **Open** and from the following options:

- **VPN policies** — Install, view, and update VPN policies.
- **VPN policy servers** — Edit the connection settings of VPN policy servers from which you can install and update VPN policies.
- **VPN log** — View the log for your VPN policy installations, updates and synchronizations, and other VPN connections.

## Security settings for wireless LAN access points

See "Security settings for wireless LAN access points," p. 93.

## Shortcuts

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

Some shortcuts are application-specific and they are not available for all applications.

### General shortcuts

Power key	Switch between profiles. Press and hold to switch your device on and off.
Menu key	Open the main menu screen for access to all applications. Press and hold to switch between open applications.
End key	Close applications. Press and hold to end data connections (GPRS, data call).
E-mail key	Open your default e-mail box. Press and hold to begin composing a new e-mail.



### Active standby mode

Left selection key + function key	Lock and unlock the keypad.
#	Press and hold to switch between the general and silent profiles.

Call key	Open the <a href="#">Log</a> .
0	Press and hold to open <a href="#">Services</a> and connect to the Web.
1	Press and hold to call your voice mailbox.
Number key (2–9)	Call a phone number using speed dialing. You must first activate speed dialing ( <a href="#">Menu</a> > <a href="#">Tools</a> > <a href="#">Settings</a> > <a href="#">Call</a> > <a href="#">1-touch dialing</a> > <a href="#">On</a> ).
Function key + Chr	Activate infrared.
Function key + Ctrl	Activate and deactivate Bluetooth.

### In applications

Shift + scroll key	Select text. Press and hold the shift key and scroll left or right to select text.
Ctrl+C	Copy.
Ctrl+X	Cut.
Ctrl+V	Paste.
Ctrl+I	Italics.

Ctrl+B	Bold.
Press the function key once (so that you see  ) + the other key.	Enter a number or a character marked with color on a key.
Press the function key twice (so that you see  ) + the other key.	Enter only numbers or characters marked with color on a key.
Shift key	Switch between character cases.

#### While browsing the web

#	Zoom out.
*	Zoom in.
1	Return to bookmarks.
2	Search for text strings on the open website.
3	Return to the previous page.
5	Switch between your open browser windows.
8	Zoom out to show the whole web page and outline in red what is viewable on the display.
9	Go to a different web page.

#### Image viewer

Call key	Send the image.
0	Zoom out.
5	Zoom in.
7	Zoom in. Press twice for the full screen size.
4	Scroll left in the zoomed image.
6	Scroll right in the zoomed image.
2	Scroll up in the zoomed image.
8	Scroll down in the zoomed image.
3	Rotate clockwise.
1	Rotate counterclockwise.
*	Switch between the full screen size and normal view.

#### Music player

5	Pause a track.
4	Return to the beginning of the track. Press within two seconds after a song has started to go to the previous track. Press and hold to rewind.

## Shortcuts

6	Go to the next track. Press and hold to fast forward.
8	Stop a track.

## Battery information

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

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

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

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

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

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

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

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

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

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

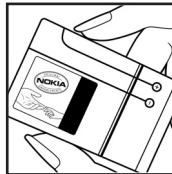
## Nokia battery authentication guidelines

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

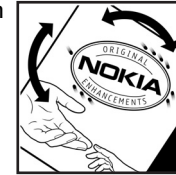
Successful completion of the four steps is not a total assurance of the authenticity of the battery. If you have any reason to believe that your battery is not an authentic, original Nokia battery, you should refrain from using it, and take it to the nearest authorized Nokia service point or dealer for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

### Authenticate hologram

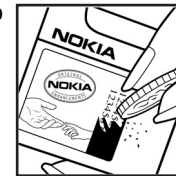
1. When looking at the hologram on the label, you should see the Nokia connecting hands symbol from one angle and the Nokia Original Enhancements logo when looking from another angle.



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



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



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





## What if your battery is not authentic?

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

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

## Care and maintenance

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

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

- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use a soft, clean, dry cloth to clean any lenses, such as camera, proximity sensor, and light sensor lenses.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.
- Use chargers indoors.
- Always create a backup of data you want to keep, such as contacts and calendar notes.
- To reset the device from time to time for optimum performance, power off the device and remove the battery.

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

## Disposal



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

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

## Additional safety information

### Small children

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

### Operating environment

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 2,2 centimeters (7/8 inches) away from the body. When a carry case, belt clip, or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body.

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

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

### Medical devices

Operation of any radio transmitting equipment, including wireless phones, may interfere with the

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

### Implanted medical devices

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

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

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

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

## Hearing aids

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

## Vehicles

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


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

equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

## Potentially explosive environments

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

## Emergency calls

 **Important:** Wireless phones, including this device, operate using radio signals, wireless networks, landline networks, and user-programmed functions.

Because of this, connections in all conditions cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.

To make an emergency call:

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

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

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

## CERTIFICATION INFORMATION (SAR)

### **THIS MOBILE DEVICE MEETS GUIDELINES FOR EXPOSURE TO RADIO WAVES.**

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

The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit stated in the ICNIRP guidelines is 2.0 watts/kilogram (W/kg) averaged over 10 grams of tissue. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The actual SAR level of an operating device can be below the maximum value because the device is designed to use only the power required to reach the network. That amount changes depending on a number of factors such as how close you are to a network base station. The highest SAR value under the ICNIRP guidelines for use of the device at the ear for device types E61i-1 (RM-227) and E61i-2 (RM-294) are as follows:

E61i-1 (RM-227): 0.90 W/kg

E61i-2 (RM-294): 0.57 W/kg

Use of device accessories and enhancements may result in different SAR values. SAR values may vary depending

on national reporting and testing requirements and the network band. Additional SAR information may be provided under product information at [www.nokia.com](http://www.nokia.com).

For additional information, refer to the reference leaflet included with your Nokia device.

Your mobile device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA) and Industry Canada. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for device types E61i-1 (RM-227) and E61i-2 (RM-294) are as follows:

When tested for use at the ear:

E61i-1 (RM-227): 0.83 W/kg

E61i-2 (RM-294): 1.12 W/kg

When worn on the body, as described in this user guide:

E61i-1 (RM-227): 0.79 W/kg

E61i-2 (RM-294): 0.81 W/kg

Information about this device model can be found at [www.fcc.gov/oet/fccid](http://www.fcc.gov/oet/fccid) by searching the equipment authorization system using FCC IDs: PYARM-227 and PYARM-294.

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