

Nokia Exx User Guide



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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: E65i-1

0000000/Issue 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 REFUELLING

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 normal position as explained in the product documentation. Do not touch the antennas 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.



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 EGSM 850/900/1800/1900 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 device, consider installing antivirus software with a regular update service and using a firewall application.



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.

For your safety

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

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-8, ACP-9, ACP-12, LCH-8, LCH-9, 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.

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

1. Get started



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 number: Nokia E65-1.

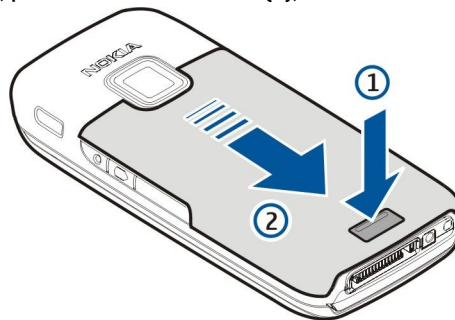
Hereinafter referred to as Nokia E65.

■ Insert the SIM card and battery

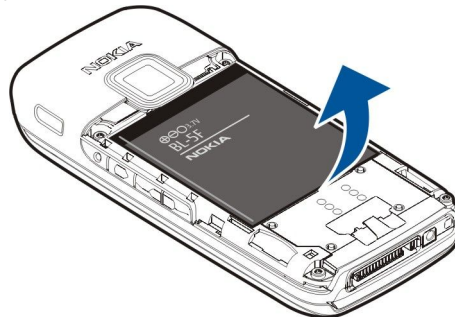
For availability and information on using SIM card services, contact your SIM card vendor. This may be the service provider or other vendor.

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

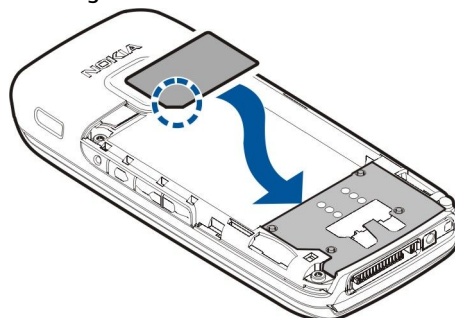
With the back of the device facing you, press the release button (1), and slide the cover in the direction of the arrow (2).



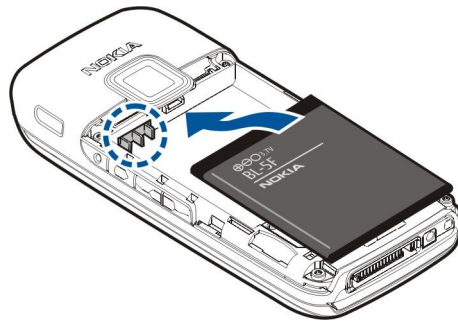
2. If the battery is inserted, lift the battery in the direction of the arrow to remove it.



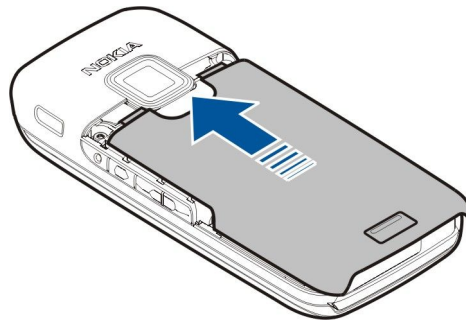
3. Insert the SIM card sideways into the SIM card slot. Make sure that the contact area on the card is facing the connectors on the device, and that the beveled corner is facing the bottom of the device.



4. Insert the battery.



5. Replace the back cover.



Instead of a SIM card, you may also have a USIM card, which is an enhanced version of the SIM card and is supported by UMTS (network service) mobile phones. Contact your service provider for more information.

■ Insert the memory card

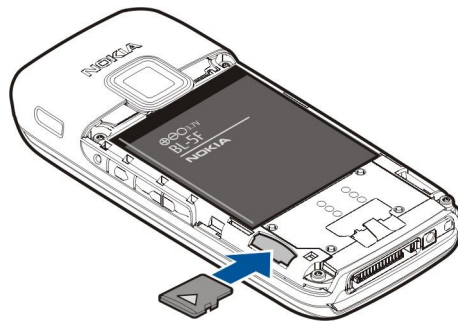
Use only compatible microSD cards approved by Nokia for use with this device. Nokia uses approved industry standards for memory cards, but some brands may not be fully compatible with this device. Incompatible cards may damage the card and the device and corrupt data stored on the card.

Use a memory card to save the memory on your device. You can also back up information from your device to the memory card. Keep all memory cards out of the reach of small children.

The sales package of your device may not include a memory card. Memory cards are available as separate enhancements.

[See "Memory," p. 19.](#)

1. Remove the back cover.
2. Insert the memory card in the slot. Make sure that the contact area of the card is towards the front cover of the device.



3. Push the card in. You hear a click when the card locks into place.
4. Replace the battery cover.

■ Eject the memory card

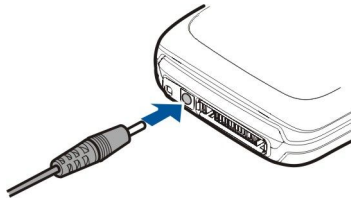
1. Press the power key and select [Remove mem. card](#).
2. Remove the back cover.
3. Press the end of the memory card to release it from the memory card slot.
4. Replace the battery cover.

■ Charge the battery

1. Connect a compatible charger to a wall outlet.

Get started

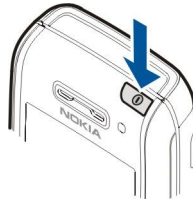
2. Connect the power cord to the device. If the battery is completely discharged, it may take a while before the charging indicator starts scrolling.



3. When the battery is fully charged, disconnect the charger from the device, then from the wall outlet.

■ Switch on your device

1. Press and hold the power key.



2. If the device asks for a PIN code (or UPIN code, if you have a USIM card), lock code or security code, enter the code, and select **OK**.
3. When you switch on the device for the first time, your device asks for the current time, date, and the city in which you are located. To switch the time from a.m. to p.m., scroll down. To find your city, enter the first letters of the city name. It is important to select the correct city, because scheduled calendar entries may change if you change the city later and the new city is located on a different time zone.
4. Your device opens a tutorial, which provides you information about your device and shows you how to use it. If you want to quit the tutorial, select **Exit**.

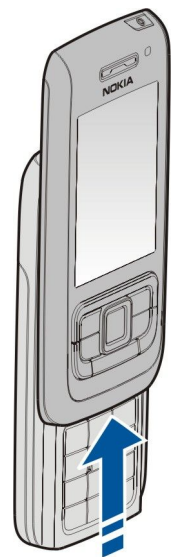


Tip: When you switch the device on, it may recognize the SIM card provider and configure the correct text message, multimedia message, and GPRS settings automatically. If not, contact your service provider for the correct settings, or use the Setting Wizard application.

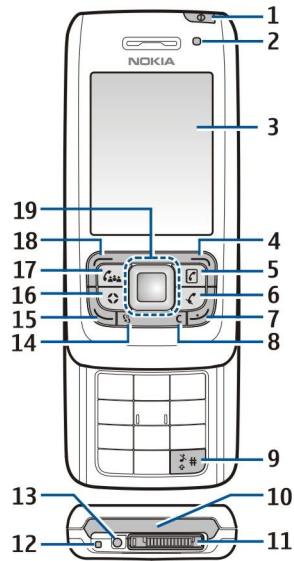
The device can be used without the network dependant phone functions when a SIM card is not inserted or when the **Offline** profile is selected.

■ Open the keypad

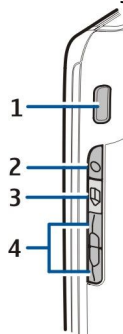
To open the full-size keypad, slide the device in the direction of the arrow.



■ Keys and parts



- 1 — Power key. Press the power key briefly to switch between profiles. Press and hold the key to switch the device on and off.
- 2 — Light sensor
- 3 — Display
- 4 — Right selection key. Press the right selection key to perform the function shown above it on the display.
- 5 — Contacts key. Press the contacts key to access **Contacts** from any application.
- 6 — Mute key. Press the mute key to turn the microphone off during an active call. Press the key again to turn the microphone back on.
- 7 — End key. Press the end key to reject a call, end active calls and held calls, close applications, and with a long keypress, end data connections (GPRS, data call).
- 8 — Clear key
- 9 — # key. Press this key for a few seconds to toggle between the **Silent** and **Normal** profiles.
- 10 — Infrared port
- 11 — Pop-Port™ connector
- 12 — Microphone
- 13 — Battery charger connector
- 14 — Menu key. Press the menu key to access the applications installed in your device. Press and hold the menu key to switch between open applications.
- 15 — Call key. To answer or make a call, press the call key. In the standby mode, press the call key to access the **Log**.
- 16 — Own key. You can configure the Own key to open a list of up to four applications, web pages, or bookmarks for quick access.
- 17 — Conference key. Press the conference key to define conference call settings, start a new conference call, add participants to an active call, or merge two active calls into a conference call.
- 18 — Left selection key. Press the left selection key to perform the function shown above it on the display.
- 19 — Navi™ scroll key (hereinafter the scroll key). Press the scroll key to enter a selection, and to move around on the screen.



- 1 — Integrated loudspeaker

Get started

2 — Voice key. Press the voice key to open **Recorder**. Press and hold the voice key to use voice commands. See ["Voice commands," p. 30](#).

3 — Edit key. Press the edit key to open a list of commands for text editing.

4 — Volume keys. To adjust the volume, press the volume keys.

To find the type label, remove the battery cover and the battery.

■ Lock the keys

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

Lock the keys to prevent accidental keypresses.

To lock the keys in the standby mode, close the slide, and select **Yes** when **Lock keypad?** is displayed. To lock the keys when the slide is closed, press the power key briefly, and select **Lock keypad**. To unlock the keys, open the slide, or press the left selection key and *.



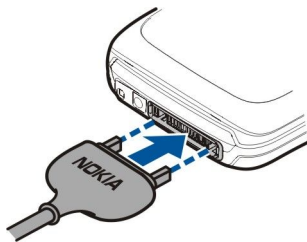
Tip: To lock the keys in the **Menu** or in an open application, press the power key briefly, and select **Lock keypad**. To unlock, open the slide, or press the left selection key and *.

When the device is locked, calls may be possible to the official emergency number programmed into your device. You can also lock the device in the standby mode using your lock code. Press the power key, select **Lock phone**, and enter your lock code. The default lock code is 12345. To unlock, press the left selection key, enter your lock code, and press the scroll key.

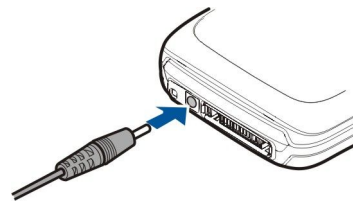
■ Connectors



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.



Pop-Port connector for headset and other enhancements



Battery charger connector

■ Antenna

Your device has internal antennas.



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



The pictures show the normal use of the device at the ear for voice calls.

Get started



■ Volume control



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


To adjust the volume during a call, press the volume keys.


To adjust the volume when using the loudspeaker, press the volume keys.


■ About the display

A small number of missing, discolored, or bright dots may appear on the screen. This is a characteristic of this type of display. Some displays may contain pixels or dots that remain on or off. This is normal, not a fault.


■ Display indicators


 The device is being used in a GSM network. The bar next to the icon indicates the signal strength of the network at your current location. The higher the bar, the stronger the signal.

 The device is being used in a UMTS network (network service). The bar next to the icon indicates the signal strength of the network at your current location. The higher the bar, the stronger the signal.


 The battery charge level. The higher the bar, the stronger the charge in the battery.


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

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


 The device keypad is locked.


 The device is locked.


 You have one or more missed phone calls.


 An alarm is active.


 You have selected the silent profile, and the device does not ring for an incoming call or message.


 Bluetooth is active.


 An infrared connection is active. If the indicator blinks, your device is trying to connect to the other device, or the connection has been lost.


 A GPRS packet data connection is available.


 A GPRS packet data connection is active.


 A GPRS packet data connection is on hold.


 An EGPRS packet data connection is available.


 An EGPRS connection is active.

 An EGPRS packet data connection is on hold.


 A UMTS packet data connection is available.

 A UMTS packet data connection is active.












 A UMTS packet data connection is on hold.

 You have set the device to scan for wireless LANs, and a wireless LAN is available.

 A wireless LAN connection is active in a network that does not have encryption.


 A wireless LAN connection is active in a network that has encryption.

Get started

-  The device is registered with a SIP server, and you can make net calls.
 -  Your device is connected to a PC with a USB data cable.
 -  A data call is active.
 - 1** and **2** Indicate the phone line that you have selected, if you have subscribed to two phone lines (network service).
 -  All calls are forwarded to another number.
 -  A headset is connected to the device.
 -  The connection to a headset with Bluetooth connectivity has been lost.
 -  A hands-free car kit is connected to the device.
 -  A loopset is connected to the device.
 -  **TTY** is connected to the device.
 -  Your device is synchronizing.
 -  You have an ongoing push to talk connection.
- Abc. ABC. abc** Indicators for the selected character mode.

■ Help and tutorial

You can find answers to your questions while using the device even with no user guide present, because your device includes both a task-specific help and a tutorial.

-  **Tip:** Task-specific means you can access instructions from **Options** lists.

Device help

To read instructions for the current view of the open application, select **Options** > **Help**.

-  **Tip:** You can also select **Menu** > **Help** > **Help** to browse Help topics and conduct searches.

In **Help**, you can select categories for which you want to see instructions. Scroll to a category, such as Messaging, and press the scroll key to see what instructions (help topics) are available. While you are reading the topic, scroll left or right to see the other topics in that category.

When you are reading the instructions, press and hold the menu key to switch between help and the application that is open in the background.

Tutorial

The tutorial provides you information about your device and shows you how to use it.

To access the tutorial in the menu, select **Menu** > **Help** > **Tutorial** and open the section you want to view.

■ Nokia PC Suite

You can install Nokia PC Suite from the CD-ROM or from the Web. Nokia PC Suite can be used only with Windows 2000 and Windows XP. With Nokia PC Suite, you can make backups, synchronize your device with a compatible computer, move files between your device and a compatible computer, or use your device as a modem.

2. Basic information about your device

■ Menu key and scroll key

To access the applications in your device, press the **Menu** key in the standby modes. To return to **Menu** from an application, leaving the application open in the background, press the **Menu** key. Press and hold the **Menu** key to see a list of the active applications and switch between them. Leaving applications running in the background increases the demand on battery power and reduces the battery life.

In this user guide, "select **Menu**" refers to pressing the **Menu** key.

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.

■ Slide functions

Your device has a slide, which you can use in two ways: to lock and unlock the keys and to manage calls.

To lock the keys with the slide, close the slide, and select **Yes** when **Lock keypad?** is displayed. To unlock, open the slide.

To answer an incoming call with the slide, open the slide. To end the call, close the slide. If you want to close the slide during a call but not end the call, press the left selection key, and close the slide within a few seconds.

To decline an incoming call, close the slide. If the **Call waiting** function is activated and you have an active call and an incoming call, closing the slide does not decline the incoming call.

To cancel a call attempt, close the slide.

Closing the slide does not affect data calls, fax calls, or infrared and Bluetooth connections.

■ Standby modes

Your device has two different standby modes: active standby mode and standby mode.

Active standby

After you have switched on your device and it is ready for use, but you have not entered any characters or made other selections, the device is in the active standby mode. In the active standby mode, you can view your service provider and network, different indicators such as indicators for alarms, and applications you want to access fast.

To select applications that you want to access from active standby, select **Menu > Tools > Settings > Phone > Standby mode > Active standby apps.** Scroll to the different shortcut settings, and press the scroll key. Scroll to the desired application, and press the scroll key.

To select the plug-ins that are shown in the active standby, select **Menu > Tools > Settings > Phone > Active standby plug-ins.** 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.

To use the basic standby mode, select **Menu > Tools > Settings > Phone > Standby mode > Active standby > Off.**



Tip: You can also see the messages in a messaging folder such as inbox or mailbox in the active standby mode. Select **Menu > Tools > Settings > Phone > Standby mode** and the folders in **Active standby mailbox.**

Standby

In the standby mode, you can see different information, such as your service provider, time, and different indicators, such as indicators for alarms. The scroll key shortcuts are not available in the active standby mode, where the scroll key is used for normal scrolling.

Shortcuts in standby mode

To view the most recently dialed numbers, press the call key. Scroll to a number or name, and press the call key again to call the number.

To call your voice mailbox (network service), press and hold **1**.

To view calendar information, scroll right.

To write and send text messages, scroll left.

To change the profile, press the power key briefly, scroll to the profile you want, and press the scroll key to activate the profile.

To open **Services** and connect to the Web, press and hold **0**.

To change these shortcuts, select **Menu > Tools > Settings > Phone > Standby mode.**

■ 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.

■ Common actions in several applications

You can find the following actions in several applications:

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**. You can send a file in an e-mail or multimedia message, or using 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. 56.](#)

To copy, press and hold the edit key, and select the text with the scroll key. Press and hold the edit key, and select **Copy**. To paste, scroll to where you want to paste the text, press and hold the edit key, and select **Paste**. This method may not work in applications such as **Documents** that have their own copy and paste commands.

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

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.



Tip: To select almost all items, first select **Options > Mark/Unmark > Mark all**, then select the items you do not want, and **Options > Mark/Unmark > Unmark**.

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.

■ 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.

■ Write text

Traditional text input

Abc is shown on the top right of the display when you are writing text using traditional text input.


ABC and **abc** indicate the selected case. **Abc** indicates that the first letter of the sentence is written in uppercase and all the other letters will automatically be written in lowercase. **123** indicates number mode.

- Press a number key **1–9** repeatedly until the desired character appears. There are more characters available for a number key than are printed on the key.

Basic information about your device

- To insert a number, press and hold the number key.
- To switch between letter and number mode, press and hold #.
- If the next letter is located on the same key as the present one, wait until the cursor appears, and enter the letter.
- To erase a character, press the clear key. Press and hold the clear key to clear more than one character.
- To access the most common punctuation marks, press the 1 key. Press 1 repeatedly to reach the desired punctuation mark. Press * to open a list of special characters. Use the scroll key to move through the list, and select a character.
- To insert a space, press 0. To move the cursor to the next line, press 0 three times.
- To switch between the different character cases, press #.

Predictive text input

1. To activate predictive text input, press the edit key, and select **Predictive text on**. This activates predictive text input for all editors in the device. The indicator  is shown on the top right of the display when you are writing text using predictive text input.
2. To write the desired word, press 2–9. Press each key only once for one letter.
3. When you have finished writing the word and it is correct, to confirm it, scroll right, or press 0 to add a space.
If the word is not correct, press * repeatedly to view the matching words the dictionary has found one by one.
If the ? character is shown after the word, the word you intended to write is not in the dictionary. To add a word to the dictionary, select **Spell**, enter the word (up to 32 letters) using traditional text input, and select **OK**. The word is added to the dictionary. When the dictionary is full, a new word replaces the oldest added word.
4. Start writing the next word.



Tip: To set predictive text input on or off, press # twice quickly.

Write the first half of a compound word; to confirm it, scroll right. Write the last part of the compound word. To complete the compound word, press 0 to add a space.

To turn predictive text input off for all editors in the device, press the edit key, and select **Predictive text > Off**.

Copy text to the clipboard

1. To select letters and words, press and hold the edit 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, while still holding the edit key, select **Copy**. To insert the text into a document, press and hold the edit key, and select **Paste**.

Change writing language

When you are writing text, you can change the writing language. For example, if you press the 6 key repeatedly to reach a specific character, changing the writing language gives you access to different characters in a different order.

If you are writing text using a non-Latin alphabet and want to write Latin characters, for example e-mail or Web addresses, you may need to change the writing language. To change the writing language, press the edit key, select **Writing language**, and a writing language that uses Latin characters.

Volume control



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

To adjust the volume during a call, press the volume keys.

To adjust the volume when using the loudspeaker, press the volume keys.

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:

Basic information about your device

- **Ringing tone** — 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.
- **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.
- **Ringing type** — Select how you want the ringing tone to alert.
- **Ringing 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.

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

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

Select ringing tones

To set a ringing tone, scroll to a profile, and select **Options > Customize > Ringing tone**. 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. Any downloaded tones are saved to **Gallery**.

To play the ringing tone for a selected contact group only, scroll to a profile, and select **Options > Customize > Alert for**, and select the desired group. Phone calls coming from outside that group have a silent alert.

To browse for a message tone, scroll to a profile and select **Options > Customize > Message alert tone**.

To listen to the selected tone, select the tone from the list and wait for the tone to play.

Change enhancement settings

Scroll to an enhancement, and select **Options > Open**.

Change the default profile for the enhancement.

To change enhancement settings, select an enhancement and **Options > Open**.

■ Themes

Select **Menu > Tools > Themes**.

With **Themes**, you can change the look of the display of your device. For example, you can change the background image and the colors on the display.

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.

■ Transfer content between devices

You can transfer content, such as contacts, from a compatible Nokia device to your Nokia E65 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 E65.

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 E65 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 E65 to start searching for devices with active Bluetooth connectivity.
4. Select **Stop** in your Nokia E65 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 E65. The passcode is used only once to confirm this connection.
6. Enter the code on your Nokia E65, and select **OK**. Enter the passcode on your other device, and select **OK**. The devices are now paired. [See "Pair devices," p. 60.](#)

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 E65, 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. 61.](#)
4. From your Nokia E65, 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 E65, 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**.

■ Memory

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

Device memory

Memory that is built into your device is a dynamic memory pool shared by many applications. The amount of internal memory available varies but cannot be increased past the maximum factory setting. Data stored on the device, such as software applications, pictures, and music, consume on-device memory.

Removable memory

Removable memory is data storage that is not built into your device, such as a SIM card or a memory card. A SIM card stores different information, such as information about the network operator and contacts. A memory card serves as external storage media for software applications, pictures, music, contacts, text, or any other form of electronic data. High-capacity memory cards are available.

Memory details

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

Basic information about your device

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

Keep all memory cards out of the reach of small children.

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.

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.**

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

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 install and remove a memory card without removing the battery or powering off the device.

MicroSD

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

This device uses a microSD memory card.

To ensure interoperability, use only compatible microSD cards with this device. Check the compatibility of a microSD card with its manufacturer or provider. Other memory cards than microSD cards are not compatible with this device. Using an incompatible memory card may damage the memory card as well as the device, and data stored on the incompatible card may be corrupted. Keep all memory cards out of the reach of small children.



Use a memory card

Select **Menu > Tools > Memory > Options**, and from the following:

- **Remove mem. card** — Eject the memory card safely.
- **Backup phone mem.** — Back up important information such as your calendar entries or contacts to your memory card.
- **Restore from card** — Restore the backup from the memory card to your device.
- **Format mem. card** — Format a memory card for your device.
- **Memory card name** — Change the name of the memory card.
- **Set password** — Create a password for the memory card.
- **Memory details** — Monitor the memory consumption of applications and data.

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.

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 eight characters long and is case-sensitive. The password is stored in your device. You do not need to enter it again while you use the memory card on the same device. If you use the memory card on another device, you are asked for the password. Not all memory cards support password protection.

To remove the memory card password, select **Options > Remove password**. When you remove the password, the data on the memory card is not protected against unauthorized use.

Unlock a memory card

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

■ Download!

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

With Download! (network service), 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 trusted sources, such as applications that are Symbian Signed or have passed the Java Verified™ testing.

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

Select catalogs, folders, and items

Download! uses your network services to access the most updated content. For information on additional items available through Download!, contact your network operator, service provider, or the supplier or manufacturer of the item.

To open an item or view the content of a folder or a catalog, scroll to it, and press the scroll key.

Select **Options**, and from the following:

- **#Refresh list** — Update the content in Download!.
- **#Hide** — Hide a folder or a catalog from the list, for example, to view only items that you use frequently.
- **#Show all** — Make all the hidden items visible.
- **#Buy** — Buy the selected item. A submenu opens, where you can select the version of the item, and view price information.
- **#Get** — Download an item that is free of charge.
- **#View details** — View the details of the selected item.
- **#Settings** — Adjust the Download! settings.
- **#Homepage** — Return to the Download! main level.

The available options may vary depending on your service provider, the selected item, and the view you are in.

Download! settings

To select which access point is used to connect to the service provider's server, and whether to have the device to ask for the access point every time you use Download!, select **#Access point**.

To define whether you want the downloaded item or application to open automatically after download is completed, select **#Automatic open**.

To define whether you want the preview confirmation query to be shown before previewing an item, select **#Preview confirmation**.

To define whether you want the purchase confirmation query to be shown before buying an item, select **#Buy confirmation**.

3. Telephone

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

To make and receive calls, 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.

■ Answer a call



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 answer a call, press the call key or open the slide.

To decline the call, press the end key or close the slide.

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 or close the slide.

■ 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 clear key.



Tip: For international calls, press the * key twice to add the + character that replaces the international access code, and enter the country code, area code (omit the leading 0, if necessary), and phone number.

To end the call or cancel the call attempt, press the end key or close the slide.



Tip: If you want to close the slide during a call but not end the call, press the left selection key, and close the slide within few seconds.

To make a call using the saved contacts, select **Contacts** in the standby mode. Enter the first letters of the name, scroll to the name, and press the call key. [See "Contacts," p. 34.](#)

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. 29.](#)

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

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

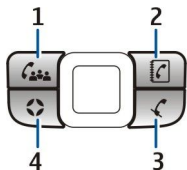
To assign a number key to a phone number, select **Menu > Tools > 1-touch**. Scroll to the number key (2 - 9) on the screen, and select **Options > Assign**. Select the desired number from the **Contacts** directory.

To remove the phone number assigned to a number key, scroll to the speed 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**.

■ Business voice keys

Your device has four business voice keys: conference key (1), contacts key (2), mute key (3), and Own key (4).



Make a conference call

You can use the conference key to start a new conference call (network service), add participants to an active call, or merge two ongoing calls into a conference call. The conference call can be hosted by your device or a dial-in conference service. You can select the call participants from **Contacts** or call default conference call numbers.

The maximum number of conference call participants depends on the network service.

Make a conference call to the default conference service number

To make a conference call to the default conference service number, you must first set the default number. Select **Menu > Tools > Settings > Conf. call > Service number**. Define a conference call number and, if needed, a conference call ID and PIN.

If you have previously defined a default conference group, you must also set the default conference service number as the default conference in use. Select **Menu > Tools > Settings > Conf. call > Conference in use > Service number**.

1. Press the conference key in the active standby mode, and select **Service number**. The device calls the default number and automatically fills in the conference call ID and PIN if you have defined them. You are connected to the conference call service.
2. To end the active conference call, press the end key.

Make a conference call to the default conference group

To make a conference call to the default conference group, you must first set the default group. Select **Menu > Tools > Settings > Conf. call > Group**. Select the group members from **Contacts**, and enter a name for the group.

If you have previously defined a default conference service number, you must also set the default conference group as the default conference in use. Select **Menu > Tools > Settings > Conf. call > Conference in use > Group**.

1. Press the conference key in the active standby mode and select the default conference group. A list of the members in the default group opens.
2. To call a member, scroll to it and press the conference key.
3. After the call has been answered, select **Add to conf.** to join the member in the conference call. To drop the member from the call, select **Drop**.
4. Repeat steps 3 and 4 until all the members have been called.
5. After the final member has answered your call, press the conference key. All the calls are merged into a conference call.
6. To end the active conference call, press the end key.

Make a conference call using the saved contacts

1. Press the conference key in the active standby mode.
2. Select **Select from Contacts**. Select the participants, and press the conference key. A list of the selected participants opens.
3. To call a participant, scroll to it and press the conference key.
4. After the call has been answered, select **Add to conf.** to join the participant in the conference call. To drop the participant from the call, select **Drop**.
5. Repeat steps 3 and 4 until all the participants have been called.
6. After the final participant has answered your call, press the conference key. All the calls are merged into a conference call.
7. To end the active conference call, press the end key.

Add a single number to an active call

To add a conference service number or a single participant to an active call, use a previously defined default conference service number or select the number from **Contacts**.

If you want to use the default conference service number, make sure it is set as the default conference in use. Select **Menu > Tools > Settings > Conf. call > Conference in use > Service number**.

1. Press the conference key.
2. To add the default conference service number to the active call, select **Service number**. To add a number from **Contacts**, select **Select from Contacts**, select the number, and press the conference key.
3. The device calls the added number. After the call has been answered, press the conference key to combine the calls.
4. If **Combine calls?** is displayed, select **Yes**.
5. The calls are merged into a conference call.
6. To end the active conference call, press the end key.



Tip: You can also add a number to an active conference call as long as the number of conference call participants does not exceed the maximum number.

Add a group of participants to an active call

To add a group of participants to an active call, use a previously defined default conference group or select the group from **Contacts**.

If you want to use the default conference group, make sure it is set as the default conference in use. Select **Menu > Tools > Settings > Conf. call > Conference in use** and the group.

1. Press the conference key.
2. To add the default conference group to the active call, select the default group. To add a group from **Contacts**, select **Select from Contacts**, select the participants, and press the conference key.
3. When **Join selected participant(s) to active call?** is displayed, select **Yes**.

Telephone

4. A list of the selected participants opens. To call a participant, scroll to it and press the conference key.
5. After the call has been answered, select **Add to conf.** to join the participant in the conference call. To drop the participant from the call, select **Drop**.
6. Repeat steps 3 and 4 until all the participants have been called.
7. After the final participant has answered your call, press the conference key. All the calls are merged into a conference call.
8. To end the active conference call, press the end key.



Tip: You can also add a group of participants to an active conference call as long as the number of conference call participants does not exceed the maximum number.

Merge two ongoing calls into a conference call

You can merge an active call and a call on hold into a conference call.

1. Press the conference key.
2. When **Combine calls?** is displayed, select **Yes**. The calls are merged into a conference call.
3. To end the active conference call, press the end key.



Tip: The merged calls can also be conference calls as long as the number of conference call participants does not exceed the maximum number.

Conference call settings

Select **Menu** > **Tools** > **Settings** > **Conf. call**.

To select whether to use the conference service number or the conference group as the default, select **Conference in use**.

To set the default conference service number, select **Service number**.

To set the default conference group of contacts, select **Group**.

To delete the default conference group of contacts, select **Options** > **{No display_text mapping for 'qtn_options_clear_def_group', locale='en'}**.



Tip: To easily access the conference call settings when no default conference number has been set, press the conference key in the active standby mode, and select **Default number** > **Yes**.

Conference service number settings

Select **Menu** > **Tools** > **Settings** > **Conf. call** > **Service number**.

To enter the default conference service number, select **Conference call number**.

To set a conference call ID for the default conference service number, select **Conference call ID**.

To set a conference call PIN code for the default conference service number, select **Conference call PIN**.

You can only set the conference call ID and PIN if you have defined the default conference service number.



Tip: If your conference call service requires additional touch tone commands, such as #, you can add them after each identification code.

Open the Contacts directory

To access **Contacts** from any application, press the contacts key.

Turn the microphone on and off

To turn the microphone off during an active voice call or video call, press the mute key. To turn the microphone back on, press the mute key again.

Access selected applications quickly

Configure the Own key to open applications, web pages, or bookmarks that you often need and want to access quickly. You may be able to configure up to four applications.

When the Own key is configured, press the key to open a graphical display where the selected applications appear in the following positions: top, left, middle, and right. To open an application, scroll to it and press the scroll key.

To configure the Own key, select **Menu** > **Tools** > **{No display_text mapping for 'qtn_apps_anykey_grid', locale='en'}** and select items to appear in the positions in the graphical display: top, left, middle, and right.

■ Options during a call

Select **Options** for the following options during a call:

- **Mute** — Your voice cannot be heard by the other parties of a call while you listen to the active conversation.
- **Unmute** — Your voice can be heard again by the other parties of the call.
- **Drop participant** — Drop a party from the active call.
- **End active call** — End the currently active call.
- **Menu** — View the applications menu of your device.
- **Hold** — Place the active call on hold.
- **Unhold** — Remove the active call from hold.
- **New call** — Place a new call while on a call, if conference calling (network service) is available.
- **Answer** — Answer an incoming call while on a call, if **Call waiting** is activated.
- **Decline** — Reject an incoming call while on a call, if **Call waiting** is activated.
- **Lock keypad** — Lock the device keypad while on a call.
- **Conference** — Merge an active and a held call into a conference call (network service).
- **Private** — Converse privately with a selected participant during a conference call (network service).
- **Swap** — Alternate between an active and a held call (network service).
- **Send touch tones** — Send touch tone strings, for example, passwords. Enter the string or search for it in **Contacts**, and select **Touch tones**.
- **Transfer** — Connect the held call to the active call and disconnect yourself from the call (network service).

The available options may vary.

■ 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.
 - **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**.

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.

■ Send touch tones

You can send touch tones during an active call to control your voice mailbox or other automated phone services.

To send a touch tone sequence, make a call, and wait until the other end answers. Select **Menu > Options > Send touch tones**. Type the touch tone sequence, or select a predefined sequence.

To attach touch tone sequences to contact cards, press the contacts key. Open a contact, and select **Options > Edit > Options > Add detail > Touch tones**. Enter the tone sequence. Press * three times to insert p, a pause of about 2 seconds before or between touch tones. Press **Done**. To set the device to send the touch tones only after you select **Send touch tones** during a call, press * four times to insert w.

■ Video calls

To be able to make a video call, you must be within coverage of a UMTS network. 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 or open the slide. If **{No display_text mapping for 'qtn_incal_send_video_image', locale='en'}** 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.

■ 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. See ["Edit SIP profiles," p. 76](#). 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. 74](#). 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.

Telephone

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 # 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.

■ 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, certificate management, and security module settings, select a setting and **Options > Open**.

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** — 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.
- **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.

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 clear key.

■ 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**.



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

■ Log

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

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



Tip: Remember to empty the log from time to time.

To view 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, 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 specify when communication events are cleared, 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**.

To reply to a caller with a message, select **Recent calls** > **Missed calls** > **Options** > **Create message**. You can send text messages and multimedia messages.

To add the caller or the sender of a message to **Contacts**, select the caller or sender of a message, and select **Recent calls** > **Missed calls** > **Options** > **Add to Contacts**.

To view the amount of data sent or received using GPRS, select **Packet data**.

To clear the GPRS counters, select **Options** > **Clear counters**. Enter your lock code, and select **OK**.

Log settings

To set the time for keeping all communication events in the **Log**, select **Options** > **Settings** > **Log duration**, an option from the list, and **OK**.

To see the call duration during the call, select **Options** > **Settings** > **Show call duration** > **Yes**.

4. Voice applications

Your device has different voice applications.

■ 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.

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.

■ 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.

Voice commands are not dependent on a speaker's voice; however, the voice recognition in the device adapts to the main user's voice to better recognize voice commands.

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 of 1.5 seconds, 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.

If several numbers are saved under the contact, the device selects the default number, if it has been set. Otherwise, the device selects the first available number of the following fields: **Mobile**, **Mobile (home)**, **Mobile (work)**, **Telephone**, **Tel. (home)**, and **Tel. (work)**.

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

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

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

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

■ 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.

Select **Menu** > **Office** > **{No display_text mapping for 'qtn_tts_mssge_reader_apps_grid', locale='en'}**.

Select the text message you want to be read, and select **Play**. You can also activate **{No display_text mapping for 'qtn_tts_mssge_reader_apps_grid', locale='en'}** 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.

{No display_text mapping for 'qtn_hqmts_manager_apps_grid', locale='en'}

To edit the settings for the synthesized speech, select **Menu** > **Tools** > **{No display_text mapping for 'qtn_hqmts_manager_apps_grid', locale='en'}**.

Select from the following options:

- **{No display_text mapping for 'qtn_hqmts_settings_list_language', locale='en'}** — Set the language for the speech.
- **{No display_text mapping for 'qtn_hqmts_settings_list_voice', locale='en'}** — Set the voice for the speech. The voice is language dependent.
- **{No display_text mapping for 'qtn_hqmts_settings_list_voice_properties', locale='en'}** — Adjust the voice properties.

Voice properties

To edit the voice properties for the synthesized speech, select **Menu** > **Tools** > **{No display_text mapping for 'qtn_hqmts_manager_apps_grid', locale='en'}** > **{No display_text mapping for 'qtn_hqmts_settings_list_voice_properties', locale='en'}**.

Select from the following options:

- **{No display_text mapping for 'qtn_hqmts_properties_list_speaking_rate', locale='en'}** — Select the desired speech rate.
- **{No display_text mapping for 'qtn_hqmts_properties_list_voice_volume', locale='en'}** — Set the volume level for the speech.

Voice management

To manage the voices available for the selected language, select **Menu** > **Tools** > **{No display_text mapping for 'qtn_hqmts_manager_apps_grid', locale='en'}**, and scroll right.

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

- **{No display_text mapping for 'qtn_options_test', locale='en'}** — Listen to the selected voice.
- **{No display_text mapping for 'qtn_options_voiceinfo', locale='en'}** — View information about the voice.
- **Delete** — Delete the selected voice.

■ Push to talk

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 **Ringing 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**.

Voice applications

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 clear 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.



Tip: To initiate a one-to-one call from **PTT log**, select the desired log event and press the voice key.

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.

5. 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.
- **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.

To remove a contact from a contact group, open the contact group. Scroll to the contact you want to remove, and select **Options** > **Remove from group** > **Yes**.



Tip: To check the group in which a contact belongs, press the contacts key. Scroll to the contact, and select **Options** > **Belongs to groups**.

To view or edit a contact within a contact group, open the contact group. Scroll to the contact you want to view or edit, and select **Options**. Select from the following options: **Open** Opens the contact and displays contact information. **Call** Select **Voice call** or **Video call**, and call the contact. **Create message** Create and send a text message or multimedia message to the contact. **Remove from group** Remove the contact from the contact group. **Belongs to groups** View all contact groups that a contact belongs to.

■ 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.**

Contacts

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 contacts group, open the contact or contact group, and select **Options > Ringing 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 **Message**.

To save a business card, select **Show > Options > Save business card** when the incoming message appears on the device.

To save a received business card, select **Show > Options > Save business card**.

To delete a received business card, select **Options > Delete**.

6. 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.

Select from the following:

- **Subject** or **Occasion** — Enter a description for the entry.
- **Location** — Enter any necessary location information.
- **Start time** — Enter the start time.
- **End time** — Enter the end time.
- **Start date** or **Date** — Enter the start date or date the event occurs.
- **End date** — Enter the end date.
- **Alarm** — Set an alarm for meeting and anniversary entries. The alarm is displayed in the **Day view**.
- **Repeat** — Specify whether you want the entry to be repeated and when. Define the repeat type, frequency, and possible ending date.
- **Synchronization** — If you select **Private**, the calendar entry can be seen only by you and is not shown to others with online access to view the calendar. If you select **Public**, the calendar entry is shown to others who have access to view your calendar online. If you select **None**, the calendar entry is not copied to your PC when you synchronize.



Tip: Make sure you have selected the correct city in the **Clock** application, because scheduled calendar entries may change when the current city is changed and is on another time zone.

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 occurrences**, all repeated entries are deleted. If you select **This entry only**, 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 settings

Select **Options** > **Settings** to modify Calendar settings.

■ Calendar views

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



Tip: When viewing **Calendar** in any view, press * to quickly switch to another view.

To view the current day in the month view, press #.

Calendar

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**.



Tip: To quickly move to the nearest date with a scheduled event, press #.

In the **Month view**, you can view the entire month at one time. Each row shows one week of dates. The active month is displayed, and the active day is either today or the last day that was viewed. The active day is marked with a colored square. Days that have scheduled events are marked with a small triangle in the bottom right corner. Scroll to switch between the days of the month and day entries.



Tip: When viewing **Calendar** in any view, press * to quickly switch to another view.

The **Week view** shows the events for the selected week in seven day boxes. Today's date is marked with a colored square. Memos and anniversaries are placed before 8:00 a.m.

To change the starting day of the week, select **Options > Settings > Week starts on**.

In the to-do view, select **Options > Day view**.

The **Day view** shows the events for the selected day. Entries are grouped into time slots according to their starting time. To view the previous or next day, scroll left or right.

The **To-do view** view shows the to-do items for the selected day.

■ Send calendar entries

To send a calendar entry to a compatible device, scroll to the entry, and select **Options > Send > Via text message**, **Via multimedia**, **Via e-mail**, **Via Bluetooth**, or **Via infrared**.

■ Add a received calendar entry to your calendar

You can receive a calendar entry as an attachment.

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.

7. Messages

Select **Menu** > **Messag.**.

In **Messag.** (network service), you can send and receive text messages, multimedia messages, and email 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. 75.
- Define e-mail account settings on the device. See "[E-mail account settings](#)," p. 49.
- Define SMS settings on the device. See "[Text message settings](#)," p. 49.
- Define MMS settings on the device. See "[Multimedia message settings](#)," p. 49.

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.

Messages and data received using Bluetooth connectivity or infrared are stored in the **Inbox** folder. E-mail messages are stored in a mailbox. Messages that you have been writing can be stored in the **Drafts** folder. Messages that are waiting to be sent are stored in the **Outbox** folder, and messages that have been sent, excluding Bluetooth and infrared messages, are stored in the **Sent** folder. To organize your messages, create your own folders into **My folders**.



Tip: Messages are placed in the **Outbox**, for example, when your device is outside network coverage. You can also schedule e-mail messages to be sent the next time you connect to your remote mailbox.

■ 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**.

To view the properties of a message, select the message and **Options** > **Message details**.

■ 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**.

■ Inbox

Select **Menu** > **Messag.** > **Inbox**.

To view a message, scroll to the message, and press the scroll key.

To forward a sent or received message, open the message, and select **Options** > **Forward**. It may not be possible to forward some messages.

To reply to a received message, open the message, and select **Options** > **Reply**.

■ My folders

To view messages saved in your own folders or to use message templates, select **My folders**.

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

To view, edit, create, or send message templates, select **Templates**, and press the scroll key.

Select **Options** and from the following:

- **Create message** — Write and send a message.
- **Sort by** — Arrange your messages according to sender, type, or other info.
- **Move to folder** — Save a message in another folder. Scroll to the desired folder, and select **OK**.
- **New folder** — Create new folders.

Messages

The available options may vary.

To delete a message or folder, scroll to it, and press the clear key.

■ Draft messages

Messages that you have created, but not yet sent, are stored in the **Drafts** folder.

To view or edit a message, scroll to it, and press the scroll key.

To send the message, select **Options** > **Send**.

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



Tip: To delete multiple messages, scroll to each message, and simultaneously press the edit key and scroll key. A check mark appears next to these messages. Once you have marked the messages, press the clear key.

■ Sent messages

Your last 20 sent messages are automatically saved in the **Sent** folder. To change the number of saved messages, select **Message**, and select **Options** > **Settings** > **Other**.

Select **Options** and select from the following:

- **Create message** — Write and send a message.
- **Message details** — View information about the message.
- **Sort by** — Arrange your messages according to sender, type, or other info.
- **Move to folder** — Save a message in another folder. Scroll to the desired folder, and select **OK**.
- **New folder** — Create new folders.



Tip: To move multiple messages, scroll to each message, and simultaneously press the edit key and scroll key to mark it. Once you have marked the desired messages, select **Options** > **Move to folder**.

The available options may vary.

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

■ Outbox

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

To send a message from the **Outbox**, select the message, and **Options** > **Send**.

To cancel the sending of a message in the **Outbox**, select the message, and **Options** > **Defer sending**.

■ Delivery reports

To keep track of your text and multimedia messages after sending, select **Reports**.

You can receive or reject delivery reports in text message and multimedia message settings. Select **Options** > **Settings** > **Text message** or **Multimedia message** > **Receive report**.



Tip: To call a message recipient, scroll to the delivery report, and press the call key.

■ Text message center settings

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

To edit message centers, select the message center, and **Options** > **Edit**.

To add new message centers, select **Options** > **New msg. center**.

To delete message centers, select the message center, and press the clear key.

■ 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** > **Message** > **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. To insert a semicolon, press *****.

Messages

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

Sending options for text messages

To set sending options for the text message, select **Options > Sending options**.

Define the following:

- **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 that the network sends you delivery reports on your messages (network service).
- **Message validity** — Select how long the message center resends 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.
- **Reply via same ctr.** — Select whether you want the reply message to be sent using the same text message center number (network service).

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 clear 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 > Messag..**

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

Select **Options** and select from the following:

- **Message details** — View information about the message.
- **Move to folder** — Save the message in a different folder.
- **Add to Contacts** — Add the sender of the message to your contacts.
- **Find** — Find phone numbers and addresses that the message may contain.

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. To insert a semicolon, press *****.
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.

Messages

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. 49.](#)

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.

 **Tip:** You can also create multimedia messages directly from several applications, such as **Contacts** and **Gallery**.

To delete an object from a multimedia message, select **Options** > **Remove**.

Sending options for multimedia messages


Select **Options** > **Sending options** and from the following options:

- **Receive report** — Select **Yes** if you want to receive a notification when the message has been successfully delivered to the recipient. Receiving a delivery report of a multimedia message that has been sent to an e-mail address may not be possible.
- **Message validity** — Select how long the messaging center tries to send the message. If the recipient of a message cannot be reached within the validity period, the message is removed from the multimedia messaging center. The network must support this feature. **Maximum time** is the maximum amount of time allowed by the network.


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 call 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. 49.](#)

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.



Tip: To add recipients to your reply, select **Options > Add recipient** to select the recipients of the message from the contacts list, or enter the recipients' phone numbers or e-mail addresses manually in the **To** field.

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.

View and save multimedia attachments

To view multimedia messages as complete presentations, open the message, and select **Options > Play presentation**.



Tip: If you have selected a multimedia object in a multimedia message, to view or play them, select **View image**, **Play sound clip**, or **Play video clip**.

To view the name and size of an attachment, open the message, and select **Options > Objects**.

To save a multimedia object, select **Options > Objects**, the object, and **Options > Save**.

■ 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. Contact your e-mail provider or service provider for more details.

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. 75.](#)
- 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.

Messages

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. To insert @ or other special characters, press *. To insert a full stop, press 1. 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. You can have up to six mailboxes.

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.

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. & attachs.** 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.

Messages



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**.

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



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 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 clear 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**. Select the attachment you want to add. For example, 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.

■ 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.



Tip: To have instant messaging connect to the server automatically when you open the application, select **Options** > **Settings** > **Server settings** > **IM login type** > **On app. start-up**.

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).

Scroll to a found IM user or group, and select **Options** and from the following:

- **New search** — Conduct another search.
- **More results** — View the remaining found IM users or groups, if any.
- **Previous results** — View the IM users or groups that were found in the previous search.
- **Open conversation** — Start a conversation with the user if the user is online.
- **Add to IM contacts** — Save the user in one of your IM contacts lists.
- **Send invitation** — Invite the IM user to an IM group.
- **Blocking options** — Prevent or allow the reception of messages from the IM user.
- **Join** — Join the IM group.
- **Save** — Save the group.

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**.

Messages

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**.

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

- **Group** — Select **Save** to save the group to your IM groups, **View participants** to view the current members of the group, or **Settings** to edit the group settings. You can only select this option if you have editing rights to the group.
- **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.

To remove an IM group, press the clear key.

Group conversations

To join the conversation, select a group.

Select **Options** and from the following:

- **Insert smiley** — Add a smiley in your message.
- **Send private msg.** — Send a private message to one or several, but not all, members of the IM group.
- **Reply** — Send a message only to the sender of the open message.
- **Forward** — Forward the open message to another IM group or contact.
- **Send invitation** — Invite an IM user to join the group.
- **Leave IM group** — End instant messaging in the group.
- **Group** — Select **Save** to save the group to your IM groups, **View participants** to view the current members of the group, or **Settings** to edit the group settings. You can only select this option if you have editing rights to the group.
- **Record chat** — Save a copy of the group conversation.

To send a message, enter the message, and press the call key.

IM group settings

Select **IM groups** > **Options** > **Group** > **Settings**.

You can only edit IM group settings if you have editing rights to that group.

Select from the following settings:

- **Group name:** — Enter a name for the IM group.
- **Group ID** — The group ID is created automatically and cannot be added or changed.
- **Group topic** — Enter a topic for the group conversation.
- **Welcome note** — Enter a note that greets IM users once they join the group.
- **Group size** — Enter the maximum number of IM users that can join the group.
- **Allow search** — Select whether you want to allow IM users to find the group when searching.
- **Editing rights** — To provide other members of the group with editing rights to the group, select **Selected** > **Options** > **Add editor**. IM users with editing rights can edit group settings and invite other users to join the group or ban them from it.
- **Group members** — To close the group and allow only selected IM users to join it, select **Selected only** > **Options** > **Add member**.
- **Banned list** — To prevent some IM users from joining the group, select **Options** > **Add to banned list**.
- **Allow private msgs.** — To prevent group members from sending private messages between themselves, select **No**.

Group editing rights

To add editing rights to or remove them from IM group members, scroll to the IM group, and select **Options** > **Group** > **Settings** > **Editing rights** > **Selected**.



Tip: IM users with editing rights can edit group settings and invite other users to join the group or ban them from the group.

To provide members with editing rights to the group, select **Options** > **Add editor** and from the following:

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

To remove editing rights from a group member, select **Options** > **Remove**.

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.

Messages

- **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 clear 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.

View invitations

Select **Conversations**. Scroll to an invitation, and press the scroll key.

Select **Options** and from the following:

- **Join** — Join the instant messaging group.
- **Reject** — Reject the invitation and send a message to its sender.
- **Delete** — Delete the invitation.
- **Blocking options** — Prevent the reception of invitations from this sender.

Recorded messaging

To view a recorded conversation, select **Record. chats**, scroll to a conversation, and press the scroll key.

You can also scroll to a recorded conversation, and select **Options** and select from the following:

- **Send** — Send the IM session to a compatible device.
- **Login** — Connect to an instant messaging server if you did not log in when you opened the application. To disconnect, select **Logout**.
- **Settings** — Edit instant messaging application or server settings.

To delete an IM conversation, press the clear key.

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**.

Messages

- **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**.
- **Ring 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**.

Cell broadcast (network service)

With the cell broadcast service, you can receive messages on various topics from your service provider, such as weather or traffic conditions in a particular region. For available topics and relevant topic numbers, contact your service provider.

Cell broadcast messages cannot be received in UMTS networks, or when the device is in **Remote SIM mode**. A packet data (GPRS) connection may prevent cell broadcast reception.

Select **Menu** > **Msgag.** > **Options** > **Cell broadcast**.

To receive cell broadcast messages, you must turn on cell broadcast reception. Select **Options** > **Settings** > **Reception** > **On**.

To view messages that are related to a topic, scroll to the topic, and press the scroll key.

To receive messages related to a topic, scroll to the topic, and select **Options** > **Subscribe**.



Tip: You can set important topics as hot topics. Scroll to the topic, and select **Options** > **Hotmark**. While the device is in the standby mode, you are notified when you receive a message related to a hot topic.

To cancel the reception of cell broadcast messages, select the language of received messages, and select whether to automatically detect new cell broadcast topics, select **Options** > **Settings**.

To add, edit, or delete topics, select **Options** > **Topic**, and select **Add manually**, **Add from index**, **Edit**, **Delete** or **Delete all**.

To store a cell broadcast message in the device memory, select the message and **Options** > **Save**. You can store up to 50 messages in the device memory.

To find the numbers and addresses the cell broadcast message may contain, select **Options** > **Find** and **Phone number**, **E-mail address**, or **Web address**. You can then call and send messages, open browser pages, or create bookmarks and contact cards.

To delete a message, press the clear key.

■ 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.

Messages

- **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 to which replies are directed.
- **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.

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.

Cell broadcast settings

Select **Menu > Messag. > Options > Settings > Cell broadcast**.

Select from the following:

- **Reception** — Select **On** to receive cell broadcast messages.
- **Language** — Select the languages in which you want to receive cell broadcast messages.

Messages

- **Topic detection** — Select **On** to display new topics in the cell broadcast topics list.

Other settings

Select **Menu** > **Message** > **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.
- **Memory in use** — Select where to save your received messages. You can save messages to memory card only if a memory card is inserted.
- **Folder view** — Define how you want the messages in the inbox to be shown.

The settings available for editing may vary.

8. 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.
- **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**.

9. Office

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

Some office applications may not be available in all languages.

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

■ Nokia Team suite

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- **Team search** — Search for content related to the team or team members.
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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**.

■ 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**.

■ Quickoffice

With Quickoffice, you can view .doc, .xls, .ppt, and .txt documents. Not all file formats or features are supported. Apple Macintosh is not supported.

Office

To use the **Quickoffice** applications, select **Menu > Office > Quickoffice**. A list of files in the .doc, .xls, .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 sort files, select **Options > Sort by**.

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

Quickword

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

Quickword supports the viewing of documents saved in .doc format in Microsoft Word 97, 2000, 2003, 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:

- **{No display_text mapping for 'qtn_qword_upgrade_menu', locale='en'}** — Upgrade to a version of Quickword that supports editing. The upgrade is chargeable.
- **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**.

Quicksheet

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

Quicksheet supports the viewing of spreadsheet files saved in .xls format in Microsoft Excel 97, 2000, 2003, 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 > Find**.

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

- **{No display_text mapping for 'qtn_qsheets_upgrade_menu', locale='en'}** — Upgrade to a version of Quicksheet that supports editing. The update is chargeable.
- **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.

Quickpoint

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

Quickpoint supports the viewing of presentations created in .ppt format in Microsoft PowerPoint 2000, 2003, 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 upgrade to a version of Quickpoint that supports editing, select **Options > {No display_text mapping for 'qtn_qpoint_view_menu_option_upgrade', locale='en'}**.

■ 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.

Manage files

To open a file, scroll to it, and press the scroll key.

Office



Tip: To select multiple files, scroll to each file, and simultaneously press the edit key and scroll key to mark it. After you have marked all desired files, select **Options** and the desired command.

To send a file, scroll to the file, and **Options** > **Send**.

To organize files or folders, scroll to the file or folder, and select **Options** > **Move to folder**. Default folders such as sound clips in gallery cannot be moved or deleted.



Tip: To copy the file or folder to another folder, select **Options** > **Copy to folder**. To create a new folder to organize your files, select **Options** > **New folder**

To receive a file using an infrared connection, select **Options** > **Receive via infrared**.

Search for files

1. To search for files, select **Options** > **Find**.
2. Select the memory you want to search.
3. Enter the search text, and press the scroll key. The folders and files whose names contain the search text are displayed.
4. Select **Find** to conduct another search.

■ 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**.

In the **Notes** main view, select **Options** and from the following:

- **Open** — Open the selected note.
- **Send** — To send the selected note, select one of the sending methods.
- **New note** — Create a new note.
- **Delete** — Delete the selected note.
- **Mark/Unmark** — Select a note or multiple notes, and apply the same rule to each.
- **Synchronization** — Select **Start** to initialize synchronization or **Settings** to define the synchronization settings for the note.

When viewing a note, select **Options** > **Find** to search the note for a phone number, Internet telephone address, e-mail or Web address.

■ 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 =. To add a decimal point, press #.

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** > **Select unit**. 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.

Office

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.

Press **#** to add a decimal and ***** for + and - (for temperature), and **E** (exponent) symbols.

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.

■ 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**.

10. Connectivity

Your device offers several options to connect to the Internet, a corporate intranet, or to another device or PC. 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 push to talk, instant messaging (chat), and modem-based connections.

■ 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. 75.](#)

Set up an Internet access point for data calls

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 **Data call** or **High speed (GSM)**.
 - **Dial-up number** — Enter the modem telephone number of the access point. Use + before international numbers.
 - **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.
 - **Data call type** — Select **Analog** or **ISDN**.
 - **Max. data speed** — Select the limit to apply to the transfer speed. If you select **Automatic**, the data transfer rate is determined by the network and may be affected by network traffic. Some service providers may charge more for higher data rates.
4. After defining the basic settings, select **Options** > **Advanced settings** to define the advanced settings or **Back** to save the settings and exit.

Advanced Internet access point settings for data calls

After setting up a basic Internet access point for **Data call** or **High speed (GSM)**, select **Options** > **Advanced settings**, and define the following advanced settings.

- **IPv4 settings** — Enter the device IP and name server addresses for IPv4 Internet protocol.
- **IPv6 settings** — Enter the device IP and name server addresses for IPv6 Internet protocol.
- **Proxy serv. address** — Enter the proxy server address.
- **Proxy port number** — Enter the proxy server port number. Proxy servers are intermediate servers between a browsing service and its users, which are used by some service providers. These servers may provide additional security and speed up access to the service.
- **Use callback** — Select **Yes** if you have a service that dials back to your device when you establish an Internet connection.
- **Callback type** — Select **Use server no.** or **Use other no.**, according to instructions from your service provider.
- **Callback number** — Enter your data call phone number of your device, which the callback server uses.
- **Use PPP compress.** — Select **Yes** to speed up the data transfer, if it is supported by the remote PPP server.

Connectivity

- **Use login script** — Select **Yes**, if your Internet service provider requires a login script, or if you want to automate your login. A login script is a sequence of instructions that the system follows during the login process.
- **Login script** — Enter the login script. This setting is available only if you have selected **Use login script > Yes**.
- **Modem initialization** — Enter a command string for the connection setup, if required by your service provider.

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

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.

Advanced Internet access point settings for packet data (GPRS)

After setting up a basic Internet access point for packet data (GPRS), select **Options > Advanced settings**, and define the following advanced settings.

- **Network type** — Select **IPv4** or **IPv6** as the Internet protocol type. The Internet protocol defines how data is transferred to and from your device.
- **Phone IP address** — Enter the IP address of your device. Select **Automatic** to have the network provide the device IP address. This setting is shown only if you select **Network type > IPv4**.
- **DNS address** — Enter the IP addresses of the **Primary DNS address** and **Secondary DNS addr.** if required by your service provider or network operator. Otherwise, the name server addresses are provided automatically.
- **Proxy serv. address** — Enter the address of the proxy server. Proxy servers are intermediate servers between a browsing service and its users, which are used by some service providers. These servers may provide additional security and speed up access to the service.
- **Proxy port number** — Enter the proxy server port number. Proxy servers are intermediate servers between a browsing service and its users, which are used by some service providers. These servers may provide additional security and speed up access to the service.

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. [\(unresolved reference to ID 'GUID097D7D440B5B11DBAA09000BDB6BA2B4'\)](#)

■ 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

Connectivity

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**.

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. 61.

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.

Connectivity


4. When the connection has been established, **Sending data** is shown.


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

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

To use a Bluetooth audio enhancement such as Bluetooth handsfree or headset you need to pair your device with the enhancement. See the enhancement user guide for the passcode and further instructions. To connect to the audio enhancement, press the power key to turn on the enhancement. Some audio enhancements connect automatically to your device. Otherwise open **Paired devices**, scroll to the enhancement, and select **Options** > **Connect**.

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. 60. 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).

End a Bluetooth connection

A Bluetooth connection is disconnected automatically after sending or receiving data. Only Nokia PC Suite and some enhancements such as headsets may maintain a connection even if not actively used.

■ 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 and your car kit user guide.

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**.

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.

■ Data connections

Packet data

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

Connectivity

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

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

Your device can automatically switch between the GSM and UMTS networks.

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.

■ Connection manager

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

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

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.

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.

■ 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 need the appropriate data communications software on your computer.
- You must subscribe to the appropriate network services from your service provider or Internet service provider.
- You must have the appropriate drivers installed on your computer. You may need to install or update infrared drivers.

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.

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

■ 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.

Connectivity

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.

VPN management

You can manage your VPN policies, policy servers, VPN logs, and key store password in VPN management. VPN policies define how data is encrypted for transfer over unsecured networks. The key store password helps protect private keys.

An access point is where your device connects to the network by way of a data call or packet data connection. To use e-mail and multimedia services or to browse Web pages, you must first define Internet access points for these services. VPN access points pair VPN policies with Internet access points to create encrypted connections.

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.

Manage VPN policies

To manage VPN policies, select **VPN management > VPN policies > Options** and from the following options:

- **Install policy** — Install a policy. Enter your user name and password for the VPN policy server. Contact your system administrator for your user name and passwords.
- **Define VPN ac. point** — Create a VPN access point that pairs a VPN policy with an Internet access point.
- **Update policy** — Update the selected VPN policy.
- **Delete policy** — Delete the selected VPN policy. If you delete a VPN policy, it is reinstalled when you synchronize your device with the VPN policy server the next time unless it has also been deleted from the server. Similarly, if a VPN policy has been deleted from the server, it is deleted also from your device upon synchronization.

To manage VPN policy servers, select **VPN policy servers > Options > Open** and from the following options:

- **New server** — Add a VPN policy server.
- **Synchronize server** — Install new or update the selected VPN policy.
- **Delete server** — Delete the selected VPN policy server.

To manage VPN policy server settings, select **Options > New server** or **Edit server** and from the following options:

- **Policy server name** — Enter a new name for the server, up to 30 characters.
- **Policy server addr.** — Enter the server address. The policy server address cannot be edited after you connect to the server to install or update VPN policies.
- **Internet access pt.** — Select the Internet access point to connect to the VPN policy server.
- **Key store password** — Change the password of the private key store. The password is created automatically when it is needed for the first time.

View the VPN log

Select **VPN management > VPN log**.

A VPN log records your visits to VPN servers to install, update, and synchronize VPN policies and your VPN connections. Error, warning, and information entries are indicated by an icon on the left-hand side of the entry. To view a log entry in detail, select it. Report the reason codes visible in the detailed view to your system administrators as the codes help to look for causes of possible problems you may have with VPN. When the log size reaches 20 KB, the oldest log entries are deleted to make space for new entries.

Select **Options** and from the following options:

- **Refresh log** — Update the log.
- **Clear log** — Delete the log entries.

■ Data synchronization

Menu > Connect. > Sync.

Use **Sync** to synchronize 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.

To edit an existing profile, select **Options** > **Edit sync profile**.

Synchronization profiles

In the **Sync** main view, select **Options** and select from the following options:

- **Synchronize** — Synchronize the data included in the selected profile with a remote database.
- **New sync profile** — Create a synchronization profile. You may want to create multiple synchronization profiles for an application to vary the data bearer in use or remote database with which you synchronize your device.
- **View log** — View the added, updated, and deleted entries in the latest synchronization with the profile.
- **Delete** — Remove the selected profile.

Synchronization connection settings

To create the connection settings of a new profile, select **New sync profile** > **Connection settings** and select from the following options:

- **Server version** — Select the SyncML version you can use with your e-mail server.
- **Server ID** — Enter the server ID of your e-mail server. This setting is only available if you select 1.2 as the SyncML version.
- **Data bearer** — Select the data bearer to connect to the remote database during synchronization.
- **Access point** — Select the access point to use for the synchronization connection, or create a new access point. You can also choose to be asked for the access point every time you start synchronizing.
- **Host address** — Enter the Web address of the server that contains the database with which you want to synchronize your device.
- **Port** — Enter the port number of the remote database server.
- **User name** — Enter your user name to identify your device to the server.
- **Password** — Enter your password to identify your device to the server.
- **Allow sync requests** — To allow synchronization to start from the remote database server, select **Yes**.
- **Accept all sync reqs.** — To have your device ask for your confirmation before accepting synchronization from the server, select **No**.
- **Network authentic.** — To authenticate your device to the network before synchronization, select **Yes**. Enter your network user name and network password.

Define synchronization settings for Contacts

To define the synchronization settings for the **Contacts** application, scroll to the desired profile, and select **Options** > **Edit sync profile** > **Applications** > **Contacts** and select from the following options:

- **Include in sync** — Select whether to synchronize your contacts directory with this synchronization profile.
- **Remote database** — Enter the path to the database with which you synchronize your contacts directory.
- **Local database** — If you have more than one contacts directory in your device, select the one you want to synchronize with this synchronization profile.
- **Synchronization type** — Select the direction of synchronization. Scroll to **Normal** to synchronize data from the device to remote database and back, **To phone only** to synchronize data from the remote database to your device, or **To server only** to synchronize data from your device to the remote database.

Define synchronization settings for Calendar

To define the synchronization settings for the **Calendar** application, scroll to the desired profile, and select **Options** > **Edit sync profile** > **Applications** > **Calendar** and select from the following options:

- **Include in sync** — Select whether to synchronize your calendar with this synchronization profile.
- **Remote database** — Enter the path to the database with which you synchronize your calendar.
- **Local database** — If you have more than one calendar in your device, select the one you want to synchronize with this synchronization profile.
- **Synchronization type** — Select the direction of synchronization. Scroll to **Normal** to synchronize data from the device to remote database and back, **To phone only** to synchronize data from the remote database to your device, or **To server only** to synchronize data from your device to the remote database.

Define synchronization settings for Notes

To define the synchronization settings for the **Notes** application, scroll to the desired profile, and select **Options > Edit sync profile > Applications > Notes** and select from the following options:

- **Include in sync** — Select whether to synchronize your notes with this synchronization profile.
- **Remote database** — Enter the path to the database with which you synchronize your notes.
- **Local database** — If you have more than one **Notes** application in your device, select the one you want to synchronize with this synchronization profile.
- **Synchronization type** — Select the direction of synchronization. Scroll to **Normal** to synchronize data from the device to remote database and back, **To phone only** to synchronize data from the remote database to your device, or **To server only** to synchronize data from your device to the remote database.

■ 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 add an access point to the selected access point group, select **Access points > Options > Add access point**, and select the access point to add.

To edit an access point in an access point group, select the access point and **Options > Edit**.

To remove an access point in an access point group, select the access point and **Options > Remove**.

To set the order in which access points are used for email data roaming, select an access point group and **Change**. Scroll to an access point, and select **Options > Raise priority** or **Lower priority**.

To change the SMTP settings of an access point, select the access point group from the list, and press the scroll key. Scroll to **Access points** and press the scroll key. Select the desired access point from the access point list, select **Options > SMTP settings**, and select from the following:

- **Override SMTP serv.** — Override the current SMTP server settings.
- **SMTP server** — Edit the server name or the server IP address.
- **Secure connection** — Select whether to use secure connection.
- **Use authentication** — Select whether to use authentication.
- **User name** — Edit your user name for the SMTP server.
- **Password** — Edit your password for the SMTP server.

Configure access point groups for mail and synchronization

To set an access point group for mail, select **Menu > Messaging > Mailbox > Options > E-mail settings > Connection settings > Incoming e-mail > Access point in use > Select group**, and select the desired access point group.

To set an access point group for synchronization, select **Menu > Connect. > Sync > Profile > Options > Edit sync profile > Connection settings > Access point > Select group**, and select the desired access point group.

11. 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. 57.

■ Browse the Web

Use the scroll key for browsing. The scroll key is shown as a pointer on a Web page, and you can scroll the pages up, down, left and right with it. When you move the pointer over a link, the pointer changes into a hand. Press the scroll key to open the link.

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 usually 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 another Web pages, select **Options** > **Go to web address**, enter the page address, and select **Go to**.

To delete a bookmark, scroll to it, and press the clear 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**.

■ 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 usually contain headlines and articles, often about recent news or other topics.



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.
- **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.
- **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.
- **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.

12. 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

1. Select **Camera**, and scroll right to activate the video recorder.
2. To start recording a video clip, press the scroll key.
3. The remaining recording time is shown on the top of the display. To pause the recording, select **Pause**; to resume the recording, select **Continue**.
4. To stop the recording, select **Stop**. The device saves the clip in the default folder, or in the folder you have defined.
5. 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.

Camera

- **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**.

13. 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 create a new folder, select **Options** > **Organize** > **New folder**.

To copy or move files, select a file and **Options** > **Organize** > **Move to folder**, **New folder**, **Move to memory card**, **Copy to memory card**, **Copy to phone mem.**, or **Move to phone mem.**.

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. You can set images as wallpaper for your display.
- In the image viewer, which opens when you select an image in the image browser view, you can view, and send individual images.

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.

Organizing images

To create folders to organize your images, select **Options** > **Organize** > **New folder**. Enter a name for the folder, and select **OK**.

To move an image to another folder, select the image and **Options** > **Organize** > **Move to folder**. Scroll to the folder to which you want to move the image, and select **Move**.

■ 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 play audio and video files stored in your device or on a memory card, select the file and **Play**.

To stop playback or streaming, select **Stop**. Buffering or connecting to a streaming site stops, playback of a clip stops, and the clip rewinds to the beginning.

To view the video clip in full-screen size, select **Options** > **Play in full screen**. The size of the video area changes to normal or full screen. Full screen increases the size of the video to cover the maximum video area possible while the aspect ratio is maintained.

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.



Tip: To fast-forward during play, scroll up and hold. To rewind during play, scroll down and hold.

To increase or decrease the volume during playback, press the volume keys.

Send audio files and video clips

You can transfer a media clip to another device or attach a media clip to a multimedia message, document, or slide presentation.

To transfer a media clip through infrared or Bluetooth connection, select a clip and **Options** > **Send**. Select a method to use to send the clip to another device.

To send a media clip inside a message, create a multimedia message, select a clip to attach and **Insert object** > **Video clip** or **Sound clip**.

To remove a media clip you inserted, select **Options** > **Remove** > **Yes**.

Receive videos

Select **Menu** > **Messaging**. Open a message that contains a video clip. Scroll to the clip, and press the scroll key.

Select **Pause** or **Stop**, select **Options**, and:

- **Play** — Play the clip from the start.
- **Play in full screen** — Play the clip in full screen mode. Landscape style clips will be rotated by 90 degrees. To switch back to normal view, press any key.
- **Continue** — Resume playing the clip.
- **Continue in full scr.** — Continue playing the clip in full screen mode.
- **Mute** — Mute the sound of the video clip. To turn sound back on, scroll right.
- **Save link** — Save the Web link to a clip.
- **Clip details** — View information such as the clip duration and size.
- **Settings** — Change video or connection settings.

The available options may vary.

View information about a media clip

Media applications

To view the properties of a video clip, audio file, or Web link, select the clip, and select **Options > Clip details**. Information may include the bit rate or the Internet link of a streaming file.

Settings

Select **Menu > Media > RealPlayer > Options > Settings**.

Video settings

Select **Video > 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.

Advanced network settings

To edit the bandwidth values for different networks, select **Connection > Network > Options > Advanced settings**.

To select the bandwidth for any of the listed networks, scroll to its setting, and press the scroll key. Scroll to the desired value, and select **OK**.

To enter the bandwidth yourself, select **User defined**.

Contact your service provider for the correct settings.

To save settings, select **Back**.

■ 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, create and listen to track lists, and download music. 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**, **Track lists**, **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.

Media applications

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 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.

To edit a preset frequency setting, select **Options** > **New preset** or **Options** > **Edit**.

To modify the frequency of a preset setting, scroll to the frequency bands, and scroll up or down to increase or decrease their values. You hear your frequency adjustment immediately in the playback.

To reset the frequency bands to their original values, select **Options** > **Reset to defaults**.

To save your new or edited settings, select **Back**.

■ 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.

14. 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 and the predictive text dictionary that is used.
- **Predictive text** — Select **On** to use predictive text input. The predictive text dictionary is not available for all languages.
- **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.
- **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.
- **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.

Settings

- **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.
- **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. 22.](#)
- **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.

■ 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.

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. 57.](#)

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. 65.](#)

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 or 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:

Settings

- **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**.

Session initiation protocol (SIP) settings

Select **Menu** > **Tools** > **Settings** > **Connection** > **SIP settings**.

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

To create a SIP profile, select **Options** > **Add new** > **Use default profile** or **Use an existing profile**.

To edit a SIP profile, scroll to it, and press the scroll key.

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

To delete a SIP profile, scroll to it, and press the clear key.

Edit SIP profiles

Select **Menu** > **Tools** > **Settings** > **Connection** > **SIP settings** > **Options** > **Add new** or **Edit**.

Select from the following:

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

The settings available for editing may vary.

Edit SIP proxy servers

Select **Menu** > **Tools** > **Settings** > **Connection** > **SIP settings** > **Options** > **Add new** or **Edit** > **Proxy server**.

Proxy servers are intermediate servers between a browsing service and its users used by some service providers. These servers may provide additional security and speed up access to the service.

Select from the following:

- **Proxy server address** — Enter the host name or IP address of the proxy server in use.
- **Realm** — Enter the proxy server realm.
- **User name** and **Password** — Enter your user name and password for the proxy server.
- **Allow loose routing** — Select if loose routing is allowed.
- **Transport type** — Select **UDP** or **TCP**.
- **Port** — Enter the port number of the proxy server.

Edit registration servers

Select **Menu** > **Tools** > **Settings** > **Connection** > **SIP settings** > **Options** > **Add new** or **Edit** > **Registrar server**.

Select from the following:

- **Registrar serv. addr.** — Enter the host name or IP address of the registrar server in use.
- **Realm** — Enter the registrar server realm.
- **User name** and **Password** — Enter your user name and password for the registrar server.
- **Transport type** — Select **UDP** or **TCP**.

Settings

- **Port** — Enter the port number of the registrar server.

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** — Select whether to save the power in the device battery.

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.

Settings

- **Authentication type** — Select **Open** or **Shared**.
- **WEP key settings** — Edit the settings for the WEP key.

WEP key settings

In the access point settings, select **WLAN security mode** > **WEP**.

In an **Ad-hoc** network, all devices must use the same WEP key.

Select **WLAN security sett.** > **WEP key settings** and from the following:

- **WEP encryption** — Select the desired WEP encryption key length.
- **WEP key format** — Select whether you want to enter the WEP key data in **ASCII** or **Hexadecimal** format.
- **WEP key** — Enter the WEP key data.

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.

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 clear key. The configuration settings for other applications provided by this server are also deleted.

■ Date and time settings

Select **Menu** > **Tools** > **Settings** > **Date and time**.

Select from the following:

Settings

- **Time** — Enter the time.
- **Time zone** — Enter the time zone.
- **Date** — Enter the date.
- **Date format** — Change how the date is displayed.
- **Date separator** — Change the symbol that separates days, months, and years.
- **Time format** — Select the 12-hour or 24-hour clock system.
- **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.

■ Security settings

[See "Define security settings," p. 28.](#)

■ Conference call settings

[See "Conference call settings," p. 24.](#)

■ Network settings

Select **Menu** > **Tools** > **Settings** > **Network**.

Define the following:

- **Network mode** (shown only if supported by the network operator) — Select the network type. You can select **GSM** or **UMTS** to use the respective network or **Dual mode** to have your device automatically switch between the two. This setting may be preset for your device and not available for editing. If you set the device to use only the GSM network or only the UMTS network, you will not be able to make any calls, including emergency calls, or use other features requiring a network connection, if the selected network is unavailable.
- **Operator selection** — Select **Manual** to choose from available networks, or **Automatic** to have the device select the network automatically.
- **Cell info display** — Select **On** to set the device to indicate when it is used in Micro Cellular Network (MCN).

■ 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.

TTY settings

If you use a text phone (TTY), you must connect it to your device before you can change the settings and use the text phone. Select from the following settings:

- **Default profile** — Select the profile that is activated when you attach a text phone (TTY, teletypewriter) to your device.
- **Use TTY** — Select **Yes** if you want to start using the text phone.

Car kit 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.

15. Tools

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

The **Tools** folder contains applications used to configure your device and to configure other applications.

Memory card—See "Memory card," p. 20.

Transfer—See "Transfer content between devices," p. 18.

Profiles—See "Profiles," p. 17.

Settings—See "Settings," p. 74.

■ Positioning

With the positioning service you can receive information from service providers about local issues such as weather or traffic conditions, based on the location of your device (network service).

Select **Menu** > **Tools** > **Position**.

To select a positioning method, scroll to the positioning method, and select **Options** > **Enable**. To stop using it, select **Options** > **Disable**. The **Bluetooth GPS** positioning method enables you to use Bluetooth GPS enhancements for positioning. The **Network based** positioning method is provided by your network operator or service provider. Both positioning methods can be used simultaneously.

■ Navigator

The Global Positioning System (GPS) is operated by the government of the United States, which is solely responsible for its accuracy and maintenance. The accuracy of location data can be affected by adjustments to GPS satellites made by the United States government and is subject to change with the United States Department of Defense civil GPS policy and the Federal Radionavigation Plan. Accuracy can also be affected by poor satellite geometry. Availability and quality of GPS signals may be affected by your location, buildings, natural obstacles, and weather conditions. The GPS receiver should only be used outdoors to allow reception of GPS signals.

GPS should only be used as a navigation aid. It should not be used for precise location measurement and you should never rely solely on location data from the GPS receiver for positioning or navigation.

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

Select **Menu** > **Tools** > **Navigator**.

Navigator is a GPS application that enables you to view your current location, find your way to a desired location, and track distance. The coordinates to locations are expressed in degrees and decimal degrees using the WGS-84 coordinate system.

The application requires a Bluetooth GPS accessory to operate. You must also have Bluetooth GPS positioning method enabled in **Menu** > **Tools** > **Position**.

The application must receive positioning info from at least three satellites to use it as a traveling aid.

Select from the following:

- **Navigator** — View navigating information to your trip destination.
- **Position** — View positioning information about your current location.
- **Trip distance** — View your traveling information such as the distance and duration you have traveled and your average and maximum speeds.

Navigation view

The navigation view guides you to your trip destination. The cardinal points are indicated by letters on the circle, and the general direction to your destination by a deeper color.

Select **Options**, and from the following:

- **Set destination** — Select a landmark or location as the destination of your trip, or enter the destination latitude and longitude coordinates.
- **Stop navigation** — Delete the destination set for your trip.
- **Save position** — Save your current position as a location or landmark.
- **Satellite status** — View the signal strength of the satellites that provide the positioning info necessary for navigation.
- **Saved locations** — View the locations you have temporarily saved in your device to help in navigation.

Position view

View positioning info such as the latitude and longitude coordinates and altitude of your current location. You can also see the accuracy of this info.

Tools

Select **Options**, and from the following:

- **Save position** — Save your current position as a location or landmark.
- **Satellite status** — View the signal strength of the satellites that provide the positioning info necessary for navigation.
- **Saved locations** — View the locations you have temporarily saved in your device to help in navigation.

Trip distance view

The trip meter calculates the travelled distance and time and your average and maximum traveling speeds.

Select **Options**, and from the following:

- **Start** — Activate the trip meter.
- **Stop** — End using the trip meter. The values calculated by it remain on the display.
- **Resume** — Continue using the trip meter.
- **Reset** — Set the values calculated by the trip meter to zero and start recalculating them from the start.
- **Clear** — Empty the trip meter values after stopping its use.
- **Save position** — Save your current location as a location or landmark.
- **Satellite status** — View the signal strength of the satellites that provide the positioning info necessary for navigation.
- **Saved locations** — View the locations you have temporarily saved in your device to help in navigation.

Manage locations

Select **Position** > **Options** > **Saved locations**.

You can temporarily save locations in your device to help in navigation.

To save a location in **Navigation**, **Position**, or **Trip distance** view, select **Options** > **Save position**.

To save a temporary location as a more permanent landmark, select **Options** > **Save as landmark**.

To delete a location, scroll to it, and press **Options** > **Clear**.

Navigator settings

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

To change the measuring system in use, select **Measurement system** > **Metric** or **Imperial**.

To enter the altitude calibration to correct the altitude received from the positioning satellites, select **Altitude calibration**.

■ Landmarks

Select **Menu** > **Tools** > **Landmarks**.

Landmarks are coordinates to geographic locations that you can save to your device for later use in different location-based services. The coordinates are expressed in degrees and decimal degrees using the WGS-84 coordinate system.

You can create landmarks using a Bluetooth GPS enhancement or network (network service). See "[Navigator](#)," p. 80.

To create a landmark, select **Options** > **New landmark**. Select **Current position** to make a network request for the latitude and longitude coordinates of your current location or **Enter manually** to fill in the necessary location information such as a name, category, address, latitude, longitude and altitude.

To view or edit a landmark, scroll to it, and press the scroll key.

To delete a landmark, scroll to it, and press the clear key.

With each landmark, select **Options** and select from the following options:

- **Add to category** — Organize the landmark to a group of similar landmarks. Scroll to the category, and press the scroll key. To view your landmark categories, scroll right or left.
- **Send** — Send the landmark to compatible devices.
- **Edit categories** — Add, edit, or delete the your landmark categories.
- **Landmark icon** — Change the icon of the landmark. Scroll to the desired icon, and press the scroll key.

Landmark categories

You can view landmark categories in two views: one lists categories that already contain landmarks, and the other lists all categories that your device has.

To view categories that already contain landmarks, select **Menu** > **Tools** > **Landmarks**, and scroll right.

To view the landmarks that a category contains, select the category, and press the scroll key.

To move a landmark from one category to another, scroll left. Scroll to a landmark, and press **Options** > **Add to category**. Scroll to the old category, and press the scroll key to remove the mark next to it. Scroll to the category or categories to which you want to add the landmark, and press the scroll key. Select **Accept**.

Tools

With each landmark, select **Options** and select from the following options:

- **Edit** — Modify landmark information such as a name, category, address, latitude, longitude and altitude.
- **New landmark** — Create a landmark directly into the category. Select **Current position** to make a network request for the latitude and longitude coordinates of your current location or **Enter manually** to fill in the necessary location information such as a name, category, address, latitude, longitude and altitude.
- **Add to category** — Organize the landmark to a group of similar landmarks. Scroll to the category, and press the scroll key.
- **Send** — Send the landmark to compatible devices.
- **Edit categories** — Add, edit, or delete the your landmark categories.
- **Landmark icon** — Change the icon of the landmark. Scroll to the desired icon, and press the scroll key.

The available options may vary.

Edit landmark categories

Select **Options** > **Edit categories**.

Select **Options** and select from the following options:

- **New category** — Create a category. Enter a name for the category, and select **OK**.
- **Landmark icon** — Change the icon of the category. Scroll to the desired icon, and press the scroll key.

To delete a landmark category that you have created, scroll to it and press the clear key. You cannot delete preset categories.

Edit landmarks

Select **Options** > **Edit** or **New landmark** > **Enter manually**. Enter location and other information such as a name, category, address, latitude, longitude and altitude.

With each landmark, select **Options** and select from the following options:

- **Select categories** — Organize the landmark to a group of similar landmarks. Scroll to the category and press the scroll key to modify landmark information such as a name, category, address, latitude, longitude and altitude.
- **Retrieve current posit.** — Request and automatically fill in the geographical latitude and longitude coordinates to make a landmark of your current location.
- **Landmark icon** — Change the icon of the landmark. Scroll to the desired icon, and press the scroll key.
- **Send** — Send the landmark to compatible devices.

Available options may vary.

Receive landmarks

Select **Menu** > **Message**. Open a message that contains a landmark you have received from another device. Scroll to the landmark, and press the scroll key.

To save the landmark in your device, select **Options** > **Save**.

To forward the landmark to compatible devices, select **Options** > **Send**.

■ Settings Wizard

Select **Menu** > **Tools** > **Sett. wiz.**

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.

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

- **Operator** — Configure operator-specific settings such as, for example, MMS, Internet, WAP, and streaming settings.
- **E-mail** — Configure e-mail settings.
- **{No display_text mapping for 'qtn_setwiz_poc_text', locale='en'}** — Configure push-to-talk settings.

Tools

- [{No display_text mapping for 'qtn_setwiz_video_sharing_text', locale='en'}](#) — Configure video sharing settings.

The available options may vary.

If you are not able to use [Sett. wiz.](#), visit the Nokia phone settings Web site at www.nokia.com.

■ 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.

Install applications and software

You can install two types of applications and software on your device:

- Applications and software specifically intended for your device or compatible with the Symbian operating system. These software installation files have the extension `.sis`.
- J2ME™ applications compatible with the Symbian operating system. The Java application installation file extensions are `.jad` or `.jar`.

Installation files may be transferred to your device from a compatible computer, downloaded during browsing, or sent to you in a multimedia message, as an e-mail attachment, or with Bluetooth. If you use Nokia PC Suite to transfer a file to your device, save the file in the `C:\nokia\installs` folder in your device.

During installation, the device checks the integrity of the package to be installed. The device shows information about the checks being carried out, and you are given options to continue or cancel the installation.

If you install applications that require a network connection, note that the power consumption of your device may increase when you use these applications.

View and remove software

You can view the details of installed applications or remove them from your device.

To view the details of an installed software package, select the application and [Options](#) > [View details](#).

To remove software, open the application manager main view and select [Options](#) > [Remove](#).

If you remove software, you can only reinstall it by using the original software package file, or by restoring a full backup that contains the removed software package. If you remove a software package, you may no longer be able to open files created with that software. If another software package depends on the software package that you removed, the other software package may stop working. Refer to the documentation of the installed software package for details.

View the installation log

To view the installation log, select [Options](#) > [View log](#). A list shows what software has been installed and removed, and the date of installation or removal. If you encounter problems with the device after installing a software package, you can use this list to find out which software package may be the cause of the problem. The information in this list may also help to pinpoint problems that are caused by software packages that are incompatible with each other.

Settings

To modify installation settings, select [Options](#) > [Settings](#) and from the following:

- [Software installation](#) — Select to install signed applications only or all applications.
- [Online certif. check](#) — To check the validity of certificates when an application is installed, select [On](#).
- [Default web address](#) — The validity of a certificate is checked from the default address if the certificate does not include its own Web address.

Specify Java application security settings

To specify security settings for a Java application, select [Options](#) > [Suite settings](#).

You can define which functions the Java application can access. The value that you can set for each functionality depends on the protection domain of the software package.

- [Network access](#) — Create a data connection to the network.
- [Messaging](#) — Send messages.
- [App. auto-start](#) — Open the application automatically.

Tools

- **Connectivity** — Activate a local data connection, such as a Bluetooth connectivity.
- **Multimedia** — Take pictures or record videos or sound.
- **Read user data** — Read your calendar entries, contacts, or any other personal data
- **Edit user data** — Add personal data, such as entries to your address book.

You can define how you will be prompted to confirm Java application access to device functions. Select one of the following values:

- **Ask every time** — Require the Java application to ask for your confirmation each time it uses the functionality.
- **Ask first time** — Require the Java application to ask for initial confirmation to use the functionality.
- **Always allowed** — Allow the Java application to use the functionality without your confirmation.
- **Not allowed** — Prevent the Java application from using the functionality.

The security settings help protect your device against harmful Java applications that may use the functions of your device without your permission. Only select **Always allowed** if you know the supplier and trustworthiness of the application.

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.

Manage personal certificates

Personal certificates are certificates that are issued to you.

To add certificates to your device, select a certificate file and **Save**. To remove a selected certificate, select **Options > Delete**.

To check the authenticity of a certificate, select a certificate and **View details**. Fingerprints uniquely identify a certificate. Contact the help desk or customer service of the owner of the certificate, and ask to compare fingerprints. Six-digit private key store passwords contain the secret keys that come with personal certificates.

Manage authority certificates

Authority certificates are used by some services to check the validity of other certificates.

To add certificates to your device, select a certificate file and **Save**. To remove a selected certificate, select **Options > Delete**.

To check the authenticity of a certificate, select a certificate and **View details**. Fingerprints uniquely identify a certificate. Contact the help desk or customer service of the owner of the certificate, and ask to compare fingerprints. Six-digit private key store passwords contain the secret keys that come with personal certificates.

Trusting a certificate means that you authorize it to verify web pages, e-mail servers, software packages, and other data. Only trusted certificates can be used to verify services and software.

To change trust settings, select a certificate and **Options > Trust settings**. Select an application field and **Yes** or **No**. You cannot change the trust settings of a personal certificate.

Depending on the certificate, a list of applications is displayed that can use the certificate:

- **Symbian installation** — New Symbian operating system application.
- **Internet** — E-mail and graphics.
- **App. installation** — New Java™ application.
- **Online certif. check** — Online certificate status protocol.

Tools

View certificate details

You can only be sure of the correct identity of a server when the signature and the period of validity of a server certificate have been checked.

To view certificate details, select a certificate and [View details](#).

One of the following notes may appear:

- **Certificate not trusted** — You have not set any application to use the certificate. You may want to change the trust settings.
- **Expired certificate** — The period of validity has ended for the selected certificate.
- **Certificate not valid yet** — The period of validity has not yet begun for the selected certificate.
- **Certificate corrupted** — The certificate cannot be used. Contact the certificate issuer.

Certificate security settings

Select from the following:

- **Software installation** — Select to install signed applications only or all applications.
- **Online certif. check** — To check the validity of certificates when an application is installed, select **On**.
- **Default web address** — The validity of a certificate is checked from the default address if the certificate does not include its own Web address.

■ Activation keys

Select [Menu](#) > [Tools](#) > [Actv. keys](#).

You can view and manage permission rights on your protected media files using alphanumerical keys. These keys specify rights that determine when you can play, display, execute, or print media files. Rights for media files can also restrict the number of times the media can be rendered (played, displayed, executed, or printed) or the period of time you are allowed to render the object before your rights to the media expire.

Select either [Valid keys](#), [Invalid keys](#), or [Not in use](#). Scroll to the desired file, and select [Options](#) > [Key details](#).

The following details are displayed for each media file:

- **Status** — The status is either [Activation key is valid](#), [Activation key expired](#), or [Activation key not yet valid](#).
- **Content sending** — [Allowed](#) means that you can send the file to another device. [Not allowed](#) means that you cannot send the file to another device.
- **Content in phone** — [Yes \(\[14\]\)](#) means that the file is in the device and the path of the file is displayed. [No](#) means that the related file is not currently in the device.

Activate content

From the main view of the activation keys, select [Invalid keys](#) > [Options](#) > [Get activation key](#). Establish a network connection at the prompt, and you are directed to a Web site where you can purchase rights to the media.

Delete file rights

In the [Valid keys](#) or [Not in use](#) tabs, scroll to the desired file. Select [Options](#) > [Delete](#). If there are several rights related to the same media file, all the rights are deleted.

Work with groups

The group key view displays all of the files related to a group right. If you have downloaded multiple media files with the same rights, they are all displayed in this view. You can open the group view from either the [Valid keys](#) or [Invalid keys](#) tabs. To access these files, open the group rights folder.

To rename a group, select [Options](#) > [Rename](#). Enter the new name to change the name of the group rights.

16. Device management

Manage data and software on your device.

■ Server profile settings

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

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

- **Server name** — Enter a name for the configuration server.
- **Server ID** — Enter the unique ID to identify the configuration server. Contact your service provider for correct settings.
- **Server password** — Enter a password that identifies the server to your device when the server starts a configuration session.
- **Session mode** — Select the connection type to use for connecting to the server.
- **Access point** — Select the access point to use for connecting to the server.
- **Host address** — Enter the URL address of the server.
- **Port** — Enter the port number of the server.
- **User name** and **Password** — Enter your user name and password to identify your device to the server when you start a configuration session.
- **Allow configuration** — To be able to receive configuration settings from this server, select **Yes**.
- **Auto-accept all reqs.** — To have your device ask for confirmation before accepting configuration from this server, select **No**.

To edit an existing server profile, select **Options** > **Edit profile**.

■ 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.

Create a configuration profile

To create a new configuration server profile, select **Options** > **New server profile** and select from the following settings. Ask your service provider for the correct values.

- **Server name** — Enter a name for the configuration server.
- **Server ID** — Enter the unique ID to identify the configuration server.
- **Server password** — Enter a password to identify your device to the server.
- **Session mode** — Select the preferred connection type.
- **Access point** — Select the access point to use for the connection, or create a new access point. You can also choose to be asked for the access point every time you start a connection.
- **Host address** — Enter the Web address of the configuration server.
- **Port** — Enter the port number of the server.
- **User name** — Enter your user ID for the configuration server.
- **Password** — Enter your password for the configuration server.
- **Allow configuration** — Select **Yes** to allow the server to initiate a configuration session.
- **Auto-accept all reqs.** — Select **Yes** if you do not want the server to ask for your confirmation when it initiates a configuration session.

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.

The BL-5F battery provides up to 3.5 hours (WCDMA) / 7 hours (GSM) / 3 hours (VoIP) of talk time and up to 8.2 days (WCDMA) / 8.3 days (GSM) / 5.4 days (WLAN) of standby time. Battery talk and standby times are estimates only and depend on signal strength, network conditions, features used, battery age and condition, temperatures to which battery is exposed, and many other factors. The amount of time a phone is used for calls will affect its standby time. Likewise, the amount of time that the phone is turned on and in standby mode will affect its talk time.

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.

Additional safety information

■ 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.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 15.3 centimeters (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers should do the following:

- Always keep the device more than 15.3 centimeters (6 inches) from the pacemaker
- Not carry the device in a breast pocket
- Hold the device to the ear opposite the pacemaker to minimize the potential for interference.
- If you suspect interference, switch off your device, and move the device away.

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 is 0.74 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.

Your mobile device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA) and Industry Canada. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear is 1.13 W/kg and when properly worn on the body is 0.85 W/kg. Information about this device model can be found at <http://www.fcc.gov/oet/fccid> by searching the equipment authorization system using FCC ID: PYARM-208.

Technical information

Characteristic	Value
Operating system	Symbian 9.1a, S60 release 3.0
CPU	ARM926, 235 Mhz, 32-bit
Supported platforms/technologies	C++, Java MIDP 2.0
Frequency	Quadband EGSM 850, 900, 1800, and 1900
Data transmission	EGPRS, GPRS, CSD, HSCSD
Size	Length: 105 mm closed, width: 49 mm, thickness: 15,5 mm
Volume	74 cc
Weight	118 g
Memory	User: up to 50 MB Memory card: microSD (hot swap). Storage amount varies.
Connectivity	Bluetooth (version 1.2), PopPort™ connector, infrared
Browser	HTML, XHTML, WAP 2.0
Voice features	Voice dialing, voice recorder, enhanced voice commands
Operating temperature	14°F to 104°F (- 10°C to + 40°C)

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