

User Guide

Nokia E62 User Guide

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CE 0434

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This device may contain commodities, technology, or software subject to export laws and regulations from the US and other countries. Diversion contrary to law is prohibited.

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

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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 idle 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 networks. Contact your service provider for more information about networks.

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



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.

■ NETWORK SERVICES

To use the phone you must have service from a wireless service provider. Many of the features in this device depend on features in the wireless network to function. These network services may not be available on all networks or you may have to make specific arrangements with your service provider before you can utilize network services. Your service provider may need to give you additional instructions for their use 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.

For your safety

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

This device supports WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols. Some features of this device, such as [Services](#), 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-4 and DC-4 chargers or ACP-12U charger with 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

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

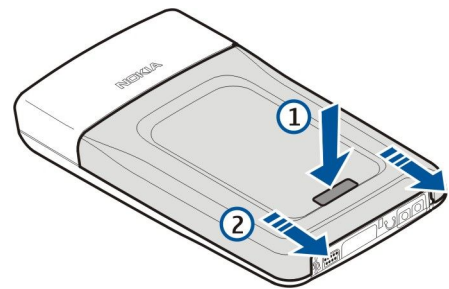
Model number: Nokia E62-1

Hereinafter referred to as Nokia device.

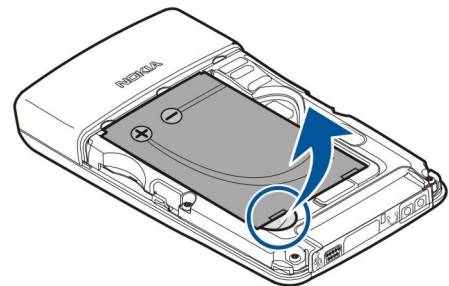
■ Insert the SmartChip and battery

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

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

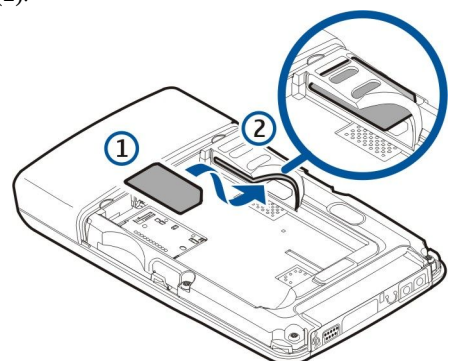


2. If the battery is installed, use the finger grip to lift the battery from the battery compartment in the direction of the arrow to remove it .

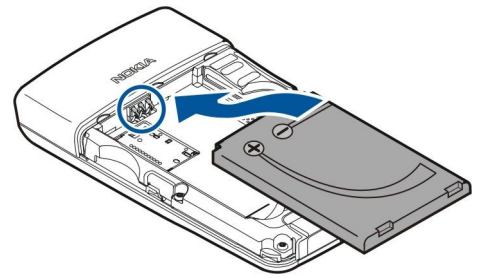


3. Insert the SmartChip into its slot (1).

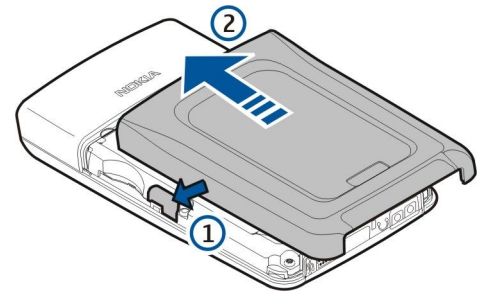
Ensure that the beveled corner of the SmartChip is pointing to the lower right corner of the device and the contact area on the card is facing the device. Slide the SmartChip until it is securely positioned (2).



4. To insert the battery, align the contacts of the battery with the corresponding connectors on the battery compartment, insert in the direction of the arrow, and gently click the battery into place.



5. Insert the locking catches of the back cover into the corresponding slots (1). Press down on the bottom corners of the cover, and slide the cover in the direction of the arrow (2).

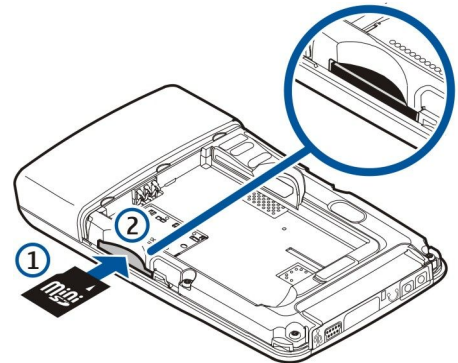


■ Insert and remove a memory card

If you have a memory card, follow the instructions to insert it.

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

1. If necessary, remove the back cover.
2. Slide the memory card (1) into the memory card slot (2). Ensure that the beveled corner of the memory card is pointing towards the top of the device and the contact area is facing down.



3. Replace the battery cover.
4. To remove the memory card, remove the battery cover and push the memory card into the device to activate the release mechanism. Then, gently pull the card out of your device.



Important: Do not remove the memory card in the middle of an operation 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.

■ Switch on your device

1. To switch the device on, press the power key.
2. If the device asks for a PIN code, lock code, or security code, enter the code, and select **OK**.
3. To switch the device off, press the power key.

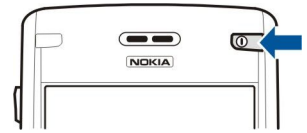


Tip: When you switch the device on, it may recognize the SmartChip and configure the correct text message, multimedia message, and GPRS settings automatically. If not, contact your service provider for the correct settings.

The device can be used without the network-dependent phone functions when a SmartChip is not inserted or when the **Offline** profile is selected.

Get started

The picture shows the location of the power key.



■ Charge the battery

1. Connect the charger to a wall outlet.
2. Connect the charger to the bottom of the device. If you have a battery charger adapter, connect the charger to the adapter, and the adapter to the bottom of the device.
3. Connect the power cord to the battery charger adapter. The battery indicator bar starts scrolling on the display. If the battery is completely discharged, it may take a few minutes before the charging indicator is shown. The device can be used while charging.
4. When the battery is fully charged, the bar stops scrolling. Disconnect the charger from the device, then from the outlet.

When the battery charge level is too low for operation, the device switches itself off.

■ Enter first settings

When you power on the device for the first time, or when you switch on the device after the battery has been removed for a longer period, your device asks for a city, time, and date. You can change these settings later in [Clock](#).

1. Select the city in which you are located from the list and [OK](#). To browse for a city, start to type the name of the city, or scroll to a city. It is important to select the correct city, because scheduled calendar entries that you create can change if the new city is located on a different time zone.
2. Set the time, and select [OK](#).
3. Set the date, and select [OK](#).

■ Tips and tricks

-  **Tip:** Save information to your SmartChip to fully utilize the available memory of your device.
-  **Tip:** To display a list of numbers you've recently dialed, press and hold the call key.
-  **Tip:** To display a list of open applications, press and hold the menu key.
-  **Tip:** Press the function key twice to lock the key and insert only characters, punctuation marks, or symbols that are marked with color. Press the function key again to release it.
-  **Tip:** To insert accented characters, press and hold the chr key, and then press the letter key repeatedly until the desired special character appears.
-  **Tip:** Press the shift key twice to turn on caps lock and enter only upper-case letters. Press again to release it.
-  **Tip:** To lock your keypad, press and release the left selection key then press the function key. To unlock, press and release the left selection key and then press the function key again.
-  **Tip:** To dial a number that contains letters (such as 1-800-4NOKIA), hold down the chr key while pressing the letter keys. Press the call key to make a call.
-  **Tip:** To reset your voice mailbox password, dial *611 from your device and follow the instructions provided.
-  **Tip:** To customize your MEdia Net Homepage, click on the EDIT link in the top right corner of the page. You can select the categories you would like to have on your personal MEdia Net Homepage.

■ CD-ROM

The sales package CD-ROM is compatible with Windows 98SE, Windows ME, Windows 2000, and Windows XP.

You can install Nokia PC Suite from the CD-ROM. Nokia PC Suite can be used only with Windows 2000 and Windows XP.

■ Nokia support and contact information

Check www.nokia.com/support or your local Nokia Web site for the latest version of this guide, additional information, downloads, and services related to your Nokia product.

Get started

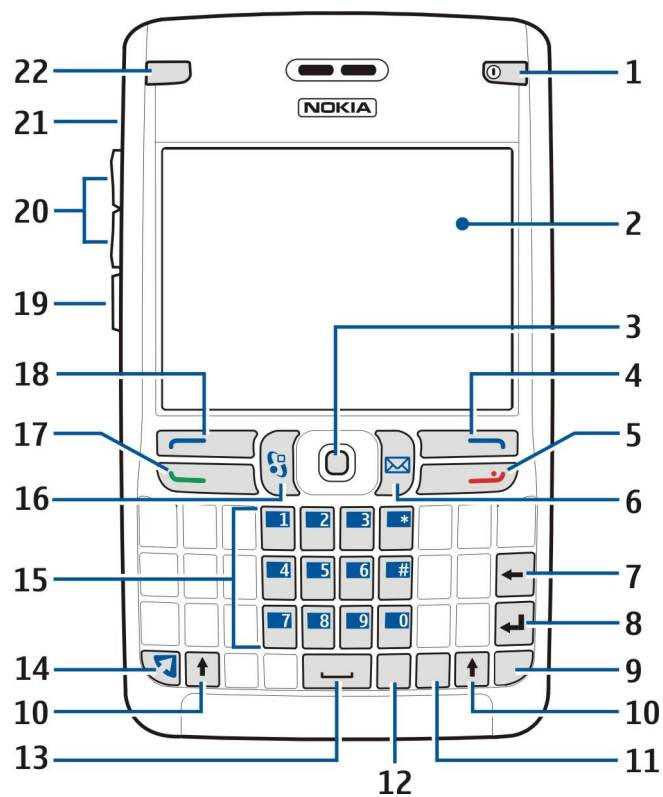
On the Web site, you can get information on the use of Nokia products and services. If you need to contact customer service, check the list of local Nokia contact centers at www.nokia.com/customerservice.

For maintenance services, check your nearest Nokia service center at www.nokia.com/repair.

2. Your device

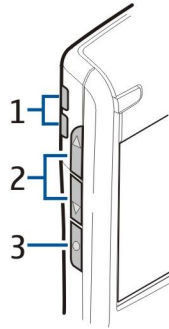
■ Keys and parts

Front view



- 1 — Power key
- 2 — Display
- 3 — Joystick
- 4 — Right selection key
- 5 — End key
- 6 — E-mail key
- 7 — Backspace key
- 8 — Enter key
- 9 — Chr key
- 10 — Shift keys
- 11 — Ctrl key
- 12 — Own key
- 13 — Spacebar
- 14 — Function key
- 15 — Phone keypad
- 16 — **Menu** key
- 17 — Call key
- 18 — Left selection key
- 19 — Voice key
- 20 — Volume keys
- 21 — Loudspeaker
- 22 — E-mail indicator light and auto light sensor

Side view



1 — Integrated loudspeaker

2 — Volume keys

3 — Voice key

Key functions

Selection keys

Press either selection key to use the shortcuts (perform the task or access the application) that are shown on the display above the selection keys. [See "Active idle mode," p. 17.](#) To change the shortcuts in the idle mode, select **Menu > Settings > Configuration > Phone > Idle screen mode**, and the applications in **Left selection key** and **Right selection key**.

Joystick

Press the joystick to edit or enter a selection or to access the most commonly used functions in the different applications. Use the joystick to scroll left, right, up, down, or to move around on the display. In the idle mode, scroll with or press the joystick for different shortcuts. [See "Active idle mode," p. 17.](#)

To change the shortcuts, select **Menu > Settings > Configuration > Phone > Idle screen mode > Active idle > Off** and shortcuts in the following options: **Navigation key right**, **Navigation key left**, **Navigation key down**, **Navigation key up**, and **Selection key**.

Call and end keys

To answer a call, press the call key. In the idle mode, press the call key to access the **Log**.

To reject a call, end active and held calls, and close applications, press the end key. Press and hold the end key to end data connections (GPRS, data call).

E-mail key

To access your default e-mail inbox, press the e-mail key. If you have not set up an e-mail account, the mailbox guide opens to help you. If you press and hold the e-mail key, your default e-mail editor opens. The functionality depends also on your mailbox service provider. You can configure the e-mail key yourself. [See "Configure the e-mail key," p. 42.](#)

Own key

If the own key list is configured, simultaneously press the function key and the own key to open the list. Scroll and press the joystick to open an item from the graphical display.

Chr key

To insert characters that you cannot insert with the keypad, press the chr key.

To scroll through a list of accented characters, press and hold the chr key, then press the key you want as many times as you need to get the accented character you want.

Shift keys

To enter an uppercase letter, press the shift key then the key you want.

To enter only uppercase letters, press the shift key twice, so that **ABC** is displayed. Uppercase mode cannot be accessed until the first character of a word is entered. To enter a lowercase letter in the middle of uppercase letters, press the shift key once. To enter only lowercase letters again, press the shift key twice, so that **abc** is displayed.

To select text, press the shift key, and scroll left or right.

Function key

To enter a character or function marked with color, press the function key, then the key you want, or simultaneously press the keys.

To enter only characters marked with color, press the function key twice, and the characters you want.

To activate Bluetooth, press the function key and ctrl key simultaneously. To deactivate Bluetooth, press the function key and ctrl key again.

To activate infrared, press the function key and chr key simultaneously.

Menu key

To access the applications in your device, press the menu key in the idle mode. 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. In this user guide, "select **Menu**" refers to pressing this key.

Voice key

Press the voice key to open **Recorder** and start recording a memo. Press and hold the voice key to use voice commands. [See "Voice commands," p. 25.](#)

■ Keyguard

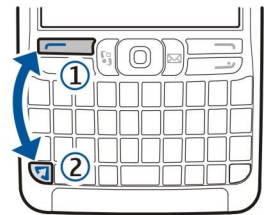
When keyguard (keypad lock) is on, calls may be possible to the official emergency number programmed into your device.

Use keyguard (keypad lock) to prevent the keys on the device from being accidentally pressed.

To activate keyguard in the idle mode, press the left selection key (1) and the function key (2). To unlock, press the left selection key and the function key again. OR You can also press the left selection key and *.



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



■ Common actions in several applications

You can find the following actions in several applications:

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

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

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

To send a file, select **Options** > **Send**. You can send a file in an e-mail or multimedia message or by transferring the file, using infrared or Bluetooth.

To print to a compatible printer, select **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. 59.](#)

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

To search for phone numbers and e-mail or Web addresses in a received message, Web page, or other application, select **Options** > **Find**.

Numbers and addresses are found if they meet required conditions. Search results may include items that are not valid phone numbers, or e-mail or Web addresses if the items meet required conditions. Examples of required conditions for each search item follow. The list of required conditions may not be comprehensive.

Search item	Required conditions
Phone number	• Must include at least five (5) consecutive numeric characters • May not include more than twenty (20) numeric characters • May include numeric characters 0-9 • May include alphabetic characters or symbols if other conditions are met
E-mail address	• Must include the @ symbol • Must include text before and after the @ symbol • May not include spaces in the address

Web address	• Must begin with a valid URL prefix such as — http:// — https:// — www. — wap. • May be an IP address if the address is preceded by a valid URL prefix
-------------	--

You can use the found numbers and addresses immediately. To call a found phone number, press the call key. You can also select **Options** to send a text message, save the number or address in **Address Book**, open a Web page, or save the Web address in your bookmarks.

■ Write text

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

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

To insert a character, punctuation mark, or symbol that is marked with color on the key, press the function key and the key you want. To lock the function key and insert only characters, punctuation marks, or symbols, press the function key twice. Press the function key again to release it.

To insert a number, press the function key and a key with a number on the color background. To lock the function key and insert only numbers, press the function key twice. Press the function key again to release it.

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

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

To insert accented characters, press and hold the chr key, and then press the letter key repeatedly until the desired special character appears.

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

Copy and paste text

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

Cut and paste text

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

Change the writing language

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

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

■ 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

You can access the device help from an open application or from the **Menu**. When you have an application open, select **Options** > **Help** to read instructions for the current view.

Your device

To open help from **Menu**, select **Help > Help**. In **Help**, you can select categories for which you want to see instructions. Scroll to a category, such as Messaging, and press the joystick 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**, open **Tutorial** and the section you want to view.

■ Volume control



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

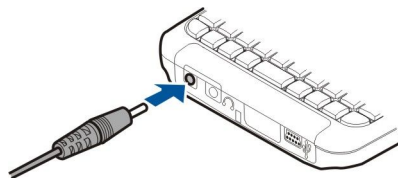
To adjust the volume during a call, press the volume keys.

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

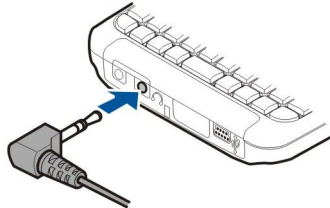
■ Connectors



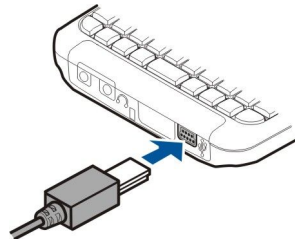
Warning: When you use the headset, your ability to hear outside sounds may be affected. Do not use the headset where it can endanger your safety.



Battery charger connector



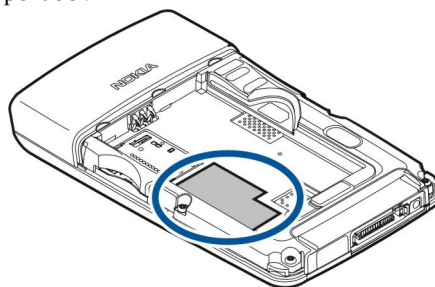
Headset connector



USB connector

■ Type label

The diagram shows the location of the type label.

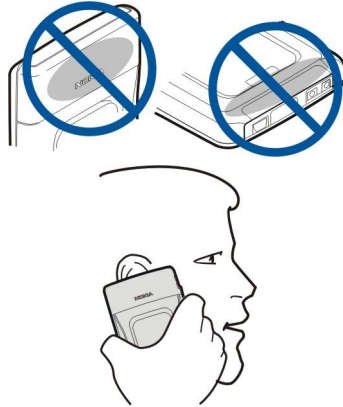


■ Antennas

Your device has two internal antennas.



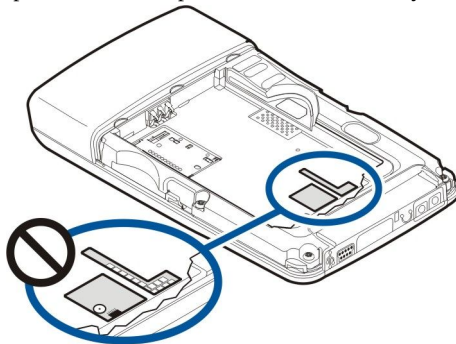
Note: As with any other radio transmitting device, do not touch either of the antennas unnecessarily when the device is switched on. Contact with the antenna affects call quality and may cause the device to operate at a higher power level than otherwise needed. Not touching the antenna area during a phone call optimises the antenna performance and the talktime of your device.



The picture shows the normal use of the device at the ear for voice calls.

■ Electronic components

Do not touch electronic components and pads that are exposed when the battery is not inserted.



■ About the display

A small number of missing, discolored, or bright dots may appear on the screen. This condition 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.

■ Idle modes

Active idle mode

Your device may have two different idle modes: active idle mode and idle mode. Active idle mode is default.

After you have switched on your device and it is ready to use, but you have not entered any characters or made other selections, the device may be in the active idle mode. In the active idle mode, you can view your service provider's name and signal strength, different indicators, and applications you want to access quickly.

To switch to the idle mode, select **Menu** > **Settings** > **Config.** > **Phone** > **Idle screen mode** > **Active idle** > **Off**.



Tip: You can also see the messages in the inbox or mailbox in the active idle mode. Select **Menu** > **Messag.** > **Options** > **Settings** > **Other** and the folders in active idle mode.

The picture shows elements of the active idle mode.

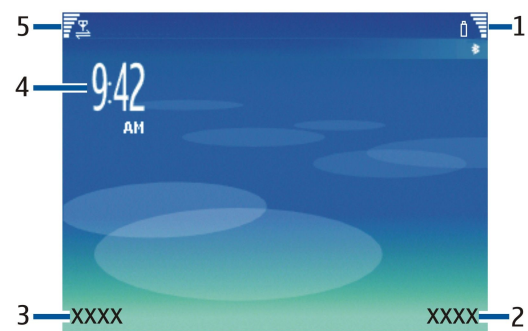
Your device



- 1 — Battery strength
- 2 — Active idle applications
- 3 — Right selection text
- 4 — Left selection text
- 5 — Message display
- 6 — Signal indicator

Idle mode

After you have switched on your device and it is ready to use, but you have not entered any characters or made other selections, the phone may be in the idle mode. The graphic shows a sample idle screen.



- 1 — Battery strength
- 2 — Right selection text
- 3 — Left selection text
- 4 — Clock
- 5 — Signal indicator

Shortcuts in idle and active idle modes

In the idle mode, you can use the joystick and selection keys to access the following shortcuts.

Scroll left	My Stuff
Scroll right	IM
Scroll up	Create a New message
Scroll down	Address Book
Press joystick	MEdia Net
Left selection key	Log
Right selection key	Messag.

To change these shortcuts, select [Menu](#) > [Settings](#) > [Config.](#) > [Phone](#) > [Idle screen mode](#).

In active idle mode, you can scroll and select these applications and folders from the active idle bar:

Your device

- [Messaging](#)
- [Calendar](#)
- [Notes](#)
- Media Net
- [Web](#)
- [My Stuff](#)
- [Tutorial](#)

To select applications that you want to access from active idle, select [Menu](#) > [Settings](#) > [Config.](#) > [Phone](#) > [Idle screen mode](#) > [Active idle apps](#). Select from the different shortcut settings and the desired application.

To view recent calls in the [Log](#), press the left selection key.

To access the [Address Book](#), press the right selection key.

■ Display indicators

-  The signal strength of the cellular 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 activated.
-  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 or EGPRS packet data connection is available.
-  A GPRS or EGPRS packet data connection is active.
-  A GPRS or EGPRS packet data connection is on hold.
-  Your device is connected to a PC with a USB data cable.
-  A data call is active.
- 1** and **2** The number indicates 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.
-  Your device is synchronizing.
- Abc ABC abc** Indicators for the selected character mode.
-  You have pressed the function key once to insert a number or a character marked with color on the keypad.
-  You have pressed the function key twice to insert only numbers or characters marked with color on the keypad.
-  You have pressed the shift key once to insert an uppercase letter in the middle of lowercase letters, or a lowercase letter in the middle of uppercase letters.

■ Memory

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

Removable memory

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



Tip: Save information to your SmartChip to fully utilize the available memory of your device.

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.

Monitor device memory

Select [Menu](#) > [Options](#) > [Check memory](#).

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.

To switch between device memory and memory card statistics, select [Check memory](#) > [Phone mem.](#) or [Check memory](#) > [Memory card](#).



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

Memory card

Use only miniSD cards approved by Nokia for use with this device. Nokia utilizes the approved industry standards for memory cards but not all other brands may function correctly or be fully compatible with this device.

Your Nokia device supports the FAT32 file system for memory cards. If you use a memory card from another device or if you want to ensure compatibility of the memory card with your Nokia device, you may need to format the memory card with your Nokia device. However, all data in the memory card is permanently deleted if you format the memory card.

Format a memory card

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

Back up and restore to the memory card

It is recommended to back up device memory regularly to the memory card. The information can be restored to your device later. Do not remove the memory card in the middle of an operation 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. To back up information from device memory to a memory card, select [Menu](#) > [Settings](#) > [Memory](#) > [Options](#) > [Backup phone mem.](#). To restore information from the memory card to the device memory, select [Menu](#) > [Settings](#) > [Memory](#) > [Options](#) > [Restore from card](#).

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



Tip: You can install and remove a memory card without removing the battery or powering off the device.

MiniSD

This device uses a mini Secure Digital (SD) card.



Check the compatibility of a miniSD with its manufacturer or provider. Use only compatible miniSD cards with this device. Other memory cards, such as MultiMediaCards (MMC) or full-size SD cards, do not fit in the miniSD card slot and 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.

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 and you do not need to enter it again while you use the memory card on the same device. If you use the memory card on another device, you are asked for the password. Not all memory cards support password protection.

Your device

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.

■ Transfer content

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

Bluetooth or infrared

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

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 device to start searching for devices with active Bluetooth connectivity.
4. Select **Stop** in your Nokia device 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 device. The passcode is used only once to confirm this connection.
6. Enter the code on your Nokia device, and select **OK**. Enter the passcode on your other device, and select **OK**. The devices are now paired. See "Pair devices," p. 62.
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 device, 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. 63.
4. From your Nokia device, 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

If you have previously transferred data to your Nokia device, and your other device supports synchronization, you can use **Transfer** to keep the data of the two devices up to date. Use caution when synchronizing, if you use a proprietary e-mail client. Data may conflict or may be overwritten.

1. Select **Phones**, and press the joystick.
2. Scroll to the device from which you transferred data, and press the joystick.
3. Select **Synchronize**, and press the joystick. 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 joystick, and select **Edit**.

■ Settings

When you switch the device on, it may recognize the SmartChip provider and configure the correct text message, multimedia message, and GPRS settings automatically. You may also receive the settings as a special text message from your service provider.

■ 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 joystick to scroll up and down on the screen.

Applications that you install are saved in the **Apps** folder by default.

Your device

The picture shows elements of the application menu.



1 — Menu title

2 — Folder

3 — Scroll bar

4 — Application

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

To view the applications in a list, select **Options > Change view > List**. To return 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 > Check memory** 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 joystick to switch to it.

When you switch off the device, all applications are closed.

■ Scroll and make selections

Use the joystick to navigate and select menu items. With the joystick, you can scroll through the menu, applications, or lists in the **Menu** or in different applications or lists. You can also press the joystick to open applications or files or edit settings.

To select text, press and hold the shift key, and scroll to select the text.

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

To select an object, scroll onto the object so that square markers appear on each side of the object.

■ Nokia PC Suite

You can install Nokia PC Suite from the CD-ROM or from www.nokia.com/pcsuite. 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.

3. Make calls

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

In the offline profile, you may need to enter the lock code and change the device to a calling profile before making any call, including a call to an emergency number.

To make and receive calls, the device must be switched on and have a valid SmartChip 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.

Enter the phone number, including the area code, and press the call key. If you enter an incorrect character, press the backspace key. You may begin dialing a number from the active idle mode, as shown in the picture.



1 — Dialing display



Tip: For international calls, press +, 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.

To make a call using [Address Book](#), select [Address Book](#) in the idle mode. Enter the first letters of the name, scroll to the name, and press the call key. [See "Address Book," p. 27.](#)

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. 25.](#)

To adjust the volume of an active call, press the volume keys.

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

■ 1-touch dial

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

Before using 1-touch dialing, select [Menu](#) > [Settings](#) > [Configuration](#) > [Call](#) > [1-touch dialing](#) > [On](#).

To assign a number key to a phone number, select [Menu](#) > [Settings](#) > [1-touch dial](#). Scroll to the number key (2 - 9) on the screen, and select [Options](#) > [Assign](#). Select the desired number from the [Address Book](#) directory.

To delete the phone number assigned to a number key, scroll to the speed dialing key, and select [Options](#) > [Remove](#).

To modify a phone number assigned to a number key, scroll to the 1-touch dialing key, and select [Options](#) > [Change](#).

■ Vanity dial

Vanity dialing allows you to substitute letters with numbers. The letters are used in conjunction with numbers to place a call. An example is 1-800-XXXXXXX.

Both alphabetic letters and numbers are available after the first number is entered.

1. Dial the numeric characters that begin the number.
2. Dial the alphabetic characters of the number.

To dial an alphabetic character, press and hold the chr key, then the alphabetic key.

When you dial a number in vanity dialing mode, both numbers and alphabetic characters will be displayed, as you dial them. In [Address Book](#) and call log, numbers will appear numeric only, even they were created using the vanity dialing feature.

To enter data during an active call, press the number keys to enter numbers. To enter alphabetic characters, press and hold the chr key then the alphabetic key, for each letter.

Make calls

To dial the emergency number in the vanity dialing mode, press the end key, and dial the emergency number.

■ Answer a call

To answer a call, press the call key.

To decline the call, press the end key.

To mute a ringing tone instead of answering a call, select [Silence](#).

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

■ Options during a call

Select [Options](#) for the following options during a call:

- [Mute](#) — Listen to the active conversation, but your voice cannot be heard by the other parties of the call.
- [Unmute](#) — Your voice can be heard again by the other parties of the call.
- [Drop](#) — 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, including passwords. Enter the string or search for it in [Address Book](#), 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](#) > [Settings](#) > [Configuration](#) > [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 calls](#) — Incoming data calls.
2. Select one of the following call forwarding options:
 - [All voice calls](#) or [All data calls](#). — Forward all incoming voice or data 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 still may be possible to the official emergency number programmed into your device.

Select [Menu](#) > [Settings](#) > [Config.](#) > [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.

Make calls

To restrict calls, select **Cellular call restriction**, and 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 to 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..**

■ 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, select **Menu** > **Addr. Book**. Open a contact, and select **Options** > **Edit** > **Options** > **Add detail** > **Touch tones**. Enter the tone sequence. Press **p** to insert a pause of about 2 seconds before or between touch tones. Press **Done**. To set the device to send the touch tones after you select **Send touch tones** during a call, press **w**.

■ Log

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

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

To view the logs for recent voice calls, their approximate call time, and packet data connections, select **Recent calls**, **Call time**, or **Data counter**; and press the joystick.



Tip: Press and hold the call key to display a list of numbers you've recently dialed.

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

To clear missed and calls received and dialed numbers, select **Recent calls** > **Options** > **Delete 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 **Addr. Book**, select the caller or sender of a message, and select **Recent calls** > **Missed calls** > **Options** > **Add to Address Book**.

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

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

Log configuration

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 time during the call, select **Options** > **Settings** > **Show call time** > **Yes**.

■ Voice commands

Before using voice tags, note that:

- Voice tags are not language-dependent. They are dependent on the speaker's voice.
- You must say the name exactly as you said it when you recorded it.
- Voice tags are sensitive to background noise. Record voice tags and use them in a quiet environment.
- Very short names are not accepted. Use long names, and avoid similar names for different numbers.



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

Select **Menu** > **Settings** > **Voice commands**.

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 **Address Book** and for the functions designated in the **Voice commands** application. When a voice command is spoken, the device compares the spoken words to the voice tag in the device.

Make calls

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 saved on the contact card in **Addr. Book**. To listen to the voice tag, open a contact card, and select **Options > Playback**.

1. To make a call using a voice command, press and hold the voice key.
2. When you hear the tone or see the visual display, clearly speak the name saved on the contact card.
3. The device plays a synthesized voice tag for the recognized contact in the selected device language, and displays the name and number. After a timeout, the device dials the number. If the recognized contact was not correct, select **Next** to view a list of other matches or **Quit** to cancel dialing.

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 commands** 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, 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 a profile to use a voice command, press and hold the voice key, and say the name of the profile.

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

Voice command configuration

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

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

4. Address Book

Select **Menu** > **Address Book**.

Manage all of your contact 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**. Select from the following options:

- **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, including **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 joystick 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:

- **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.
- **Address Book 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, select **Menu** > **Address Book**. 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** — 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 **OK**.

The default number or address is underlined in the contact.

■ Copy contacts

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

Address Book

To copy contacts from a SmartChip to device memory, select **Options > SmartChip contacts > SChip directory** to open the **Address Book**. Mark the contacts you want to copy, or select **Mark all** to copy all contacts. Select **Options > Copy to Address Book**.

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

Select **Options > SmartChip contacts > SChip directory** to see the names and numbers stored on the SmartChip. In **Address Book** you can add, edit, or copy numbers to **Address Book**, 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, and select **OK**.

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

■ Business cards

Select **Menu > Addr. Book**.

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 **Open** from the displayed notification, or open the message from the inbox folder in **Messag..**

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

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

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

5. Settings

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

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

■ Configuration

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

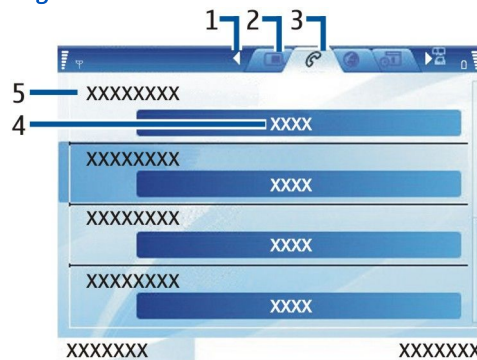
You can define and modify various settings of your device. Modifying these settings affects the operation of your device across several applications.

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 these settings.

Scroll to the setting that you want to edit, and press the joystick to do the following:

- Switch between two values, 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.

The picture shows elements of the **Config.** user interface.



- 1 — Scroll to other pages
- 2 — Inactive page
- 3 — Active page
- 4 — Current setting for the active item
- 5 — Active item

■ Phone configuration

Select **Phone** to change the language configuration, idle mode configuration, and display configuration of your device.

General configuration

Select **General** and from the following:

- **Phone language** — Select a language from the list. Changing the device language affects every application in your device. When you change the language, the device restarts.
- **Writing language** — Select a language from the list. Changing the writing language also affects the characters that are available when writing text.
- **Welcome note / logo** — Select **Default** to use the default image, **Text** to enter a welcome note of your own, or **Image** to select an image from **My Stuff**. The welcome note or image is displayed briefly each time you switch on the device.
- **Reset 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.

Idle mode configuration

Select **Idle screen mode** and from the following:

- **Active idle** — Select **On** to have shortcuts to different applications available in the active idle mode.
- **Left selection key, Right selection key** — Change the shortcuts that open from the left and right selection keys in the idle screen. Press joystick, 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 idle > On**.

Display configuration

Select **Display** and from the following:

- **Light sensor** — Adjust the amount of light required 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 configuration

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 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 automatically to the person who is calling you informing why you cannot answer their incoming call.
- **Message text** — Enter the text that is sent when you cannot answer an incoming call and want to automatically send a text message as a reply.
- **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. 23.](#)

- **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 SmartChip 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 configuration

Select **Menu > Settings > Config. > Connection** and from the following settings:

- **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.
- **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, view the VPN log, and create and manage VPN access points.
- **Configs.** — View and delete trusted servers from which your device may receive configuration settings.

To obtain information about 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 > Settings > Config. > Connection > 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.

[See "Internet access points," p. 67.](#)

Access point groups

Select **Menu > Settings > Config. > 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. The best available access point inside a group is used for making a connection.

Settings

To create an access point group, select **Access point groups** > **Options** > **New group**. In the **Group name** field, enter a name for the group. In the **Conn. switching** field, define whether to show the connection switching process on the display of your device. Select 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 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 e-mail data roaming, select an access point group and **Change**. Select an access point and **Options** > **Raise priority** or **Lower priority**.

Packet data

Select **Menu** > **Settings** > **Config.** > **Connection** > **Packet data**.

Your device supports packet data connections, including GPRS in the GSM network. When you are using your device in a GSM network, 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 during voice calls. [See "Connection manager," p. 64.](#)

Packet data configuration

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.

Session initiation protocol (SIP) configuration

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

Session initiation protocols (SIP) are used to create, modify, and terminate 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.

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

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

Select a SIP profile to edit.

Select the SIP profile you want to use for communication sessions and **Options** > **Default profile**.

To delete a SIP profile, select it, and press the backspace key.

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

Select from the following settings:

- **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 the 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.

Select **Menu** > **Settings** > **Config.** > **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 settings:

- **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.

Settings

- **Allow loose routing** — Select if loose routing is allowed.
- **Transport type** — Select **UDP** or **TCP**.
- **Port** — Enter the port number of the proxy server.

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

Select from the following settings:

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

Data call configuration

Select **Menu** > **Settings** > **Config.** > **Connection** > **Data call**.

To set the time-out period after which data calls automatically end if no data has been transferred, select **Online time**. 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 settings:

- **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 configuration

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 settings:

- **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.

Configurations

To view and delete configurations for trusted servers, select **Menu** > **Settings** > **Config.** > **Connection** > **Configs.**

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 **Configs.** 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, select the server, and press the backspace key. The configuration settings for other applications provided by this server are also deleted.

■ Date and time configuration

[See "Clock," p. 49.](#)

■ Security configuration

[See "Define security settings," p. 80.](#)

■ Enhancement configuration

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

TTY configuration

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.

■ Application manager

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



Important: Only install applications from sources that offer adequate protection against harmful 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.

Configuration

To modify installation settings, select **Options** > **Configuration** and from the following:

- **Delete** — The software package installation file is deleted from the device after installation. If you download software packages using the Web browser, this may help to reduce the amount of storage space required. If you want to store the software package file for possible reinstallation, do not select this option, or make sure that you have a copy of the software package file stored on a compatible PC or on a CD-ROM.
- **Select language:** — If the software package contains several language versions of the software, select the language version that you want to install.
- **Type** — Specify what kind of applications you want installed. You may choose to install only applications with validated certificates. This setting applies only to Symbian operating system applications (.sis files).

Specify Java application security configuration

To specify security settings for a Java application, select **Options** > **Suite settings**.

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.
- **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, **Address Book**, 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.

■ Voice aid

Select **Menu** > **Settings** > **Voice aid**.

The voice aid application allows you to operate the basic functions of your device without watching the display.

Select from the following:

- **Address Book** — View the entries in your **Address Book**.
- **Recent calls** — View your missed and called received, dialed numbers, and frequent calls.
- **Voice mailbox** — Retrieve your voice messages.
- **Dialer** — Dial a telephone number.
- **Clock** — Hear the current time and date.

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

■ Voice mailbox

Select **Menu** > **Settings** > **Voice mail**.

When you open the voice mailbox application for the first time, you may be asked to enter the number of your voice mailbox, if your service provider has not pre-configured it. 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 idle mode, press and hold **1**, or press **1** then the call key.

To reset your voice mailbox password, dial *611 from your device and follow the instructions provided.

6. Messages

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

Before sending or receiving messages (network service), you may need to do the following:

- Insert a valid SmartChip 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 SmartChip.
- Define Internet access point (IAP) settings on the device. [See "Access points," p. 30.](#)
- Define e-mail account settings on the device. [See "E-mail account settings," p. 43.](#)
- Define SMS settings on the device. [See "Text messages," p. 37.](#)
- Define MMS settings on the device. [See "Multimedia message settings," p. 40.](#)

The device may recognize the SmartChip 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.

The **Messag.** application displays each type of messaging folder in a list format with the newest message displayed first in each folder.

Select one of the following:

- **New message** — Create and send a new text, multimedia, or e-mail message.
- **Inbox** — View received messages, except e-mails and cell broadcast messages.
- **My folders** — Create your own folders to store messages and templates.
- **Mailbox** — View and reply to received e-mail.
- **Drafts** — Store messages that have not been sent.
- **Sent** — Store messages that have been sent.
- **Outbox** — View messages waiting to be sent.
- **Reports** — View information about the delivery of sent messages.

■ 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 joystick.

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 joystick.

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

Select **Options** and from the following:

- **Create message** — Write and send a message.

Messages

- **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.

The available options may vary.

To delete a message or folder, scroll to it, and press the backspace 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 joystick.

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

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



Tip: To delete multiple messages, scroll to each message, and simultaneously press the shift key and joystick. A check mark appears next to these messages. Once you have marked the messages, press the backspace 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 shift key and joystick 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 backspace 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 msg.** or **Multimedia message** > **Receive report**.

No delivery reports can be received for messages sent to e-mail addresses.



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

■ Messaging settings

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

To define or edit settings for different message types, select **Text msg.**, **Multim. msg.**, **E-mail**, **Service message**, **Cell broadcast**, or **Other**.

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.

Messages

- **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 folders in the inbox to be shown.

The settings available for editing may vary.

■ Text message center settings

Select **Options** > **Settings** > **Text msg.** > **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 backspace key.

■ Send SMS e-mail

To send and receive text messages to and from e-mail addresses, select **Options** > **Settings** > **Text msg.** > **SMS e-mail**. Enter the **E-mail gateway** and **E-mail msg. center** numbers.

The SMS e-mail settings may be preset by your service provider. You may not be able to edit them.

■ 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 like Chinese, take up more space limiting the number of characters that can be sent in a single message.

Write and send text messages

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

1. In the **To** field, press the joystick to select recipients from **Addr. Book**, or enter the recipients' mobile phone numbers manually. If you enter more than one number, separate the numbers with a semicolon.
2. Enter the text of the message. To use a template, select **Options** > **Insert** > **Template**.
3. Select **Options** > **Send** to send the message.



Note: When sending messages, your device may display Message Sent. This is an indication that the message has been sent by your device to the message center number programmed into your device. This is not an indication that the message has been received at the intended destination. For more details about messaging services, check with your service provider.

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 the network to send 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: **Text**, **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 SmartChip

Text messages may be stored on your SmartChip. Before you can view SmartChip 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 SmartChip.

Select **Options** > **SmartChip messages**.

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 SmartChip messages, open the folder where you copied the messages, and open a message.

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

Text message settings

Select **Options** > **Settings** > **Text msg.**.

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 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: **Text**, **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).

Picture messages



Note: The picture message function can be used only if it is supported by your network operator or 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** > **Message**.

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 Address Book** — Add the sender of the message to your **Address Book**.
- **Find** — Find phone numbers and addresses that the message may contain.

Forward picture messages

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

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



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

■ Multimedia messages

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



Note: 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 SmartChip provider and automatically configured the multimedia message settings. If not, contact your service provider. [See "Multimedia message settings," p. 40.](#)

Create and send multimedia messages

The default setting of the multimedia message service is generally on.

Select **New message** > **Multimedia message**.

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

1. In the **To** field, press the joystick to select recipients from **Addr. Book**, 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: **Image**, **Audio**, 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 joystick to send the multimedia message.



Tip: You can also create multimedia messages directly from several applications, including **Address Book** and **My Stuff**.

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 joystick to select recipients from **Addr. Book**, 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, audio, 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 joystick.



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

Receive and reply to multimedia messages



Important: Multimedia message objects may contain viruses or otherwise be harmful to your device or PC. Do not open any attachment if you are not sure of the trustworthiness of the sender.

Messages

Before you can send or receive multimedia messages on your device, you must define the multimedia message settings. Your device may have recognized the SmartChip provider and automatically configured the multimedia message settings. If not, contact your service provider. [See "Multimedia message settings," p. 40.](#)

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 **Address Book**, 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 joystick to send it.

View presentations

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

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.

The available options may vary.

View media objects

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

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

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, 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 a computer or other device.

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 audio 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**.

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 this type of 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 (when traveling

abroad, 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 how long the messaging center tries to send the message (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 messages

To receive and send mail (network service), 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 applicable Internet standards for SMTP, IMAP4 (revision 1), and POP3, and with different push e-mail solutions. Other e-mail providers may offer services with different settings or features than those described in this user guide.

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). [See "Access points," p. 30.](#)
- Set up an e-mail account, and define the e-mail settings correctly. [See "E-mail account settings," p. 43.](#)

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

E-mail installer

Select **Menu**>**Email**>**E-mail inst.**.

The e-mail installer application helps you select and install an e-mail client.

Select **Options** > **Installable clients**. Select a client from the list, and then **Options** > **Install**. The installation process depends on the location of the installation file: the file may be located on the Internet or on a memory card. Your device assists you throughout the installation. You can install only one client at a time.

To uninstall a client, select **Menu** > **Settings** > **App. mgr.**. Select the client you want to uninstall, and select **Options** > **Remove**.

Set up your e-mail

Information in this section does not apply, if you are using a proprietary e-mail client.

If you select **Mailbox** 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. Select **My e-mail address**, enter your e-mail address, and select **Next**.
4. Select **Incoming mail serv.**, enter the name of the remote server that receives your e-mail, and select **Next**.
5. Select **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. Select **Access point**, and the Internet access point your device should use when it retrieves the e-mail. 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 **Message** main view.

Select your default mailbox

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

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

Configure the e-mail key

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

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

Connect to mailbox

Information in this section does not apply, if you are using a proprietary e-mail client.

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; then select the e-mail you wish to retrieve into your device. To receive and send e-mail, you need to register for an e-mail service. To set up a mailbox in your device, select **Messag.** > **Options** > **Settings** > **E-mail** > **Options** > **New mailbox**. Contact your service provider for the correct settings.

To retrieve received e-mail messages to your device and view them offline, 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 joystick. Scroll to a message, and press the joystick.

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. If you delete an e-mail from your device when offline, the e-mail may be deleted from the remote mailbox the next time you connect to the mailbox, depending on the options you have selected.

1. Select **Messag.** > **Options** > **Settings** > **E-mail**. Select the e-mail account, and press the joystick. Select **Retrieval settings** > **E-mail to retrieve** > **Msgs. & attaches.** to retrieve entire messages with their attachments to your device.
2. Open your mailbox, then 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 mail.
3. After retrieving the e-mail, select **Options** > **Disconnect** to return to the offline mode.
4. To view an e-mail message, scroll to it, and press the joystick.

Some options require you to connect to your remote mailbox.



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

E-mail indicator light

You can set the indicator light on the cover of your device to blink when a new e-mail arrives to your device.

Select **Menu** > **Messag.** > **Options** > **Settings** > **E-mail** > **Indicator light settings** > **Flash on new e-mails**. Select how long you want the indicator light to blink, or whether you want it to blink at all.

Read and reply to e-mail



Important: E-mail messages may contain viruses or otherwise be harmful to your device or PC. Do not open any attachment if you are not sure of the trustworthiness of the sender.

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

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 joystick.

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

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



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

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

Messages

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

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

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

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

Delete messages

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

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

You can choose 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-mail from the device only, select **Options > Delete > Phone only**.

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 **Address Book**, or enter the e-mail addresses in the **To** field. Use a semicolon to separate entries. Scroll down, and use the **Cc** field to copy other recipients, or the **Bcc** field to blind copy recipients. In the **Subject** field, enter the subject of the e-mail. Enter your e-mail message in the text area, and select **Options > Send**.

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

To set the sending time for an e-mail message, select **Options > Sending options > Send message**. Select **Immediately** or **During next conn.** 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.

E-mail account settings

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

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

If you try to edit mailbox settings but have not set up an e-mail account, the mailbox guide opens and helps you set up your e-mail account.

Settings for the received e-mail

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

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

Messages

- **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 your e-mail messages.
- **Security (ports)** — Select the security option used to secure the connection to the remote mailbox.
- **Port** — Define a port for connection.

User settings

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

- **My name** — Enter a name to appear before your e-mail address when you send e-mail.
- **Reply-to** — Select whether you want replies to be redirected to a different address. Select **On**, and enter the e-mail address to which you want to direct the replies. You can only enter one address.
- **Delete e-mails from** — Select whether you want to delete the e-mail 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 (sender, subject, and date) or e-mail with attachments.
- **Retrieval amount** — Select the number of e-mail 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:

- **E-mail notifications** — 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.
- **Retrieval days** — Select the days on which e-mail are retrieved to your device.
- **Retrieval hours** — Define the hours between which the e-mail are retrieved.
- **Retrieval interval** — Select the time interval between retrieving new e-mail.

■ Instant messaging

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

Instant messaging (IM) (network service) allows you to exchange short messages in real time with friends and family, regardless whether they are using their IM-capable phone or a PC, as long as they all use the same IM service. With IM, you can see who is offline, busy, and who is online and available to chat.

Before you can use IM, you must subscribe to the service. To check the availability and costs and to subscribe to the service, contact your wireless network operator and the IM service provider.

Depending on your IM service provider, you may not have access to all of the features described in this guide and your menus may be different.

1. Select **Menu** > **IM** and the service you want to log into.

Messages

2. Enter your user name and password, if necessary. Depending on your IM service, you may be able to select automatic log in.
3. Select **Login**.

To exit **IM**, select **Back** > **Exit**. You can still receive messages and chat invitations. If you open IM again, you do not need to log in, unless your session expires.

To disconnect from IM, select **Logout** > **OK** from the IM online menu.

Before you can use IM, you must register with an IM service and obtain a user name and password. You can register over the Internet (using your computer) with the IM service provider you have selected. For more information about signing up for IM services, contact your wireless service provider or an IM service provider.

Each IM service provider has its own unique interface, so the IM menu items, menu text, and icons may differ for each IM service. If you have questions about the differences, contact your wireless service provider or IM service provider.

Begin an IM session

You can send instant messages to anyone if you have the person's user name and you use the same IM service. If you want to chat with a person, you must first add that person to **IM contacts**.

1. Select **IM contacts** from the online **IM** menu.
2. Select a contact who is online.
3. Enter a message and select **OK**.

You can add to the contact list persons with whom you frequently chat or remove contacts from the list.

To add a new contact, select **Menu** > **New IM contact** > **OK** from the online **IM** menu.

To remove a contact, select **Menu** > **Delete** > **OK** from the online **IM** menu.

■ Special messages

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

- **Operator logo** — To save the logo, select **Options** > **Save**.
- **Ringtone** — 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**.

7. Web

Select **Menu** > **Office** > **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** > **Apps** > **Services**. Both of the browsers use the same 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 SmartChip. Your device might have configured the Internet access point settings automatically, based on your SmartChip. 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. 67.](#)

■ Browse the Web

To browse the Web, select a bookmark, and press the joystick. You can also enter the Web address, and press the joystick. 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 joystick.

To open a Web link, scroll to it, and press the joystick. On a Web page, new links appear underlined in blue, and previously visited links appear 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 some bookmarks loaded for sites not affiliated with Nokia. Nokia does not warrant or endorse these sites. If you choose to access them, you should take the same precautions, for security or content, as you would with any Internet site.

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

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

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

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

■ Download items



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

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

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

To purchase items:

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

■ End a connection

To end the connection and view the browser page offline, select **Options** > **Advanced options** > **Disconnect**. 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** > **Office** > **Web** > **Web feeds**.

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



Tip: Blog is a shortened version of Weblog, which is a continuously updated Web diary.

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

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** > **Office** > **Web** > **Options** > **Settings**.

Define the following settings:

- **Access point** — Scroll to the access point to connect to Web pages, and press the joystick.
- **Load imgs. & audio** — Select **No** to load pages faster when browsing by not loading the images on them. You can still choose to load images when browsing individual pages. Select **Options** > **Show images**.
- **Default encoding** — Select the correct character encoding for your language.
- **Auto. bookmarks** — Select **On** to save Web page addresses that you visit automatically in the **Auto. bookmarks** folder. To hide the folder, select **Hide folder**.
- **Screen size** — Select **Full screen** to use the whole display area for viewing Web pages. You can press the left selection key to open **Options** and use the available options while browsing in full screen mode.
- **Homepage** — Select the page that you want to appear as your homepage. Select **Default** to use the access point homepage, **User defined** to enter the homepage address, or **Use current page** to use the currently open Web page.
- **Mini map** — Select whether you want to see an overview of the page as a miniature on top of the page you are viewing.
- **History list** — Select whether you want to see miniatures of the pages you have visited when you want to go back in your browsing history.
- **Cookies** — Select to allow or reject the sending and receiving of cookies. Cookies are information the network server collects about your visits to various Web pages. They are necessary if you shop on the Web (to retain the items you buy until you reach the cashier page). However, the information may be misused, including your receiving 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 these scripts, select **Disabled** (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 (smaller windows where you write e-mails in Web-based mail systems), but they may also contain unwanted advertising.

■ Services

Select **Menu** > **Apps** > **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** > **Office** > **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 idle mode.

8. Office applications

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

Some office applications are not available in all languages.

Opening a large file may not be possible or may take longer.

■ 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 from the function map. Enter the second number of the calculation, and select =.

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

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.

■ 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, the following options are available:

- **Open** — Open the selected note.
- **Send** — To send the selected note, select **Via text message**, **Via multimedia**, **Via e-mail**, **Via Bluetooth**, or **Via infrared** as the sending method.
- **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.

■ Clock

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



Tip: To update date and time automatically (network service), select **Options** > **Settings** > **Network operator time** > **Auto-update**.

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

Date and time settings

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

- **Time** — Enter the time, and select **OK**.
- **Time zone** — Enter the time zone, and select **OK**.
- **Date** — Enter the date, and select **OK**.
- **Date format** — Change how the date is displayed. Scroll to the desired format, and select **OK**.
- **Date separator** — Change the symbol that separates days, months, and years. Scroll to the symbol you want, and select **OK**.
- **Time format** — Select **24-hour** or **am/pm**.
- **Time separator** — Select the symbol that separates hours and minutes.
- **Clock type** — Select **Analog** or **Digital**.
- **Clock alarm tone** — Select the tone that you want to use for the alarm clock.

- **Network operator time** — Update time, date, and time zone information automatically (network service). Select **Auto-update** to activate. This service may not be available in all networks.

Alarm clock

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

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

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

Add and delete cities

To add a city, scroll right, and select **Options** > **Add city**. Scroll to a city, and select **Options** > **Select**.



Tip: To find a city, select **Cities** > **Options** > **Add city** > **Options** > **Find**, and enter the city name.

To delete a city, scroll to the city, and select **Options** > **Remove**.

Changing the city may change the general system time of your device.

Calendar

Select **Menu** > **Office** > **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 note** 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 calendar entries deleted**, all repeated entries are deleted. If you select **Delete entry**, only the current entry is deleted.

To-do

You can create and maintain a task or list of tasks that must be done by a certain day. Each task can be assigned a due date, but not a specific time of the day.

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

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, 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 the **Calendar alarm tone**, **Default view**, **Week starts on**, and **Week view title**.

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 the function key and * to quickly switch to another view.

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**.

Month view

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 the function key and * to quickly switch to another view.

Week 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**.

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.

To-do view

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 the entry, and select **Options** > **Send** > **Via text message**, **Via multimedia**, **Via e-mail**, **Via Bluetooth**, or **Via infrared**.

Add a received calendar entry

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

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

■ 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 manage files, scroll to a folder or file, and select **Options**.

Select the following:

- **Open** — Open a file. Scroll to the file, and select **OK**.
- **Send** — Send selected files. Scroll to the desired files, and select **OK**.

- **Delete** — Delete selected files. Scroll to the desired files, and select **Clear**.
- **Move to folder** — To move the folder or file to another folder, scroll to the desired file or folder, and select **OK**. Default folders, including audio clips in **My Stuff** cannot be moved or deleted.
- **Copy to folder** — Save a copy of the folder or file in another folder. Scroll to the desired file or folder, and select **OK**.
- **New folder** — Create a folder.
- **Mark/Unmark** — Open a submenu.
- **Rename** — Rename a file or folder. Scroll to the desired file or folder, enter the new name, and select **OK**.
- **Find** — Search for specific folders or files.
- **Receive via infrared** — Receive a file by infrared connection.
- **View details** — View information about files.
- **Check memory** — Check the memory consumption in device memory or a memory card.

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 joystick. The folders and files whose names contain the search text are displayed.
4. Select **Find** to conduct another search.

■ 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.
3. Scroll to the first **Amount** field, and enter the value you want to convert. The other **Amount** field changes automatically to show the converted value.

Set base currency and exchange rate



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

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

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

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

■ Documents

This device supports common features of Microsoft Word, PowerPoint, and Excel (Microsoft Office 97, 2000, XP, and 2003). Not all file formats can be viewed or modified.

Select **Menu > Office > Docum.**

To open an existing document, browse for the folder and document, and press the joystick. To read the document, select the middle view.



Tip: To open a recently used document, select **Options > Most recent files**, select the document, and press the joystick.

To create a new document, select **Options > New file**. Select **Blank** to create a new document without using a template or **Use template** to create a document based on an existing template.

To read a document, select the middle view and **Options**. You can browse for different types of objects in the document, zoom in or out, switch between full and normal screen views, or view objects, such as images. You can also search for text and edit application settings such as zooming, scrolling, and handling of invisible characters.



Tip: If you are reading a large document and want to continue to read it later, select **Back** to close the document. Do not change to the editing mode.



Tip: To switch between full and normal screen views in an open document, press *****. To zoom in, press **5**, and to zoom out, press **0**.

View objects in a document

To view all objects, such as tables, comments, workbooks, and video clips in their place in the document, select the middle view and **Options > Browse > Pages and objects**.

To open a table or comment, scroll to the object or its icon, and press the joystick twice.

To open an image or go to a hyperlink or reference, scroll to the object, and press the joystick three times.



Tip: Select **Options > Back to reference** to return to the link of the referenced item.

Format documents

To be able to edit a document, you must activate the edit mode: select the middle view and **Options > Edit document**.

To edit the font, select the text and **Options > Format > Font**. You can change the font type, size, color, and background. Select **Options > Preview** to view the current formatting.

To format the font style, select the text and **Options > Format > Font formatting**. Select the appropriate formatting option. You can add bold, italic, underline, and strikethrough formatting, or position the text in superscript or subscript format.

To format a paragraph, select the paragraph and **Options > Format > Paragraph**. You can modify the text alignment, line spacing, and left and right margins.

To insert bullets, insert the cursor in the text or paragraph, and select **Options > Format > Bullets**. In the bullet page of the formatting settings, you can set the bullets to be visible.

To format the border settings, select **Options > Format > Borders**. The current border is displayed. Select the border you want to modify, and press the joystick. Select the border style and color you want. Select **Back > Options > Apply to**, and the location. For example, if you select **Top**, the border settings are assigned to the top border.

To insert an object into a document, select **Options > Insert object**. Scroll to the type of object you want to insert, and select **Options > Insert new** to open the corresponding editor and create a new file, or **Insert existing** to open a list of existing files.

To format the style settings of a paragraph, select **Options > Format > Style**. Select the style you want to format and **Options > Edit**. Select **New style** to add a new style. In the style editing view, select **Options > Format**, and the style you want. You can modify the font, formatting, paragraph, bullet, and border styles.

To save a document, select **Options > Saving options > Save as**. Specify the file name and location where the file is saved. You can also specify the file type.

View document structure

To view the document outline, select the left view. Select **Options > Expand** or **Collapse** to show only main chapters or all subchapters. If there are objects in the document, select **Options > Display objects** or **Display headings** to switch between object list and chapter heading views.



Tip: To open a selected chapter in the normal view, scroll to the chapter, and press the joystick.

Preview the page layout

To preview the page layout, select the view on the right and **Options**.

Define the following options:

- **Normal view** — Show the current open page in normal view.
- **Pan and zoom** — Zoom the page layout view.
- **View** — Select **Full screen** or **Normal screen** to switch between full screen and normal views.

To zoom the page layout, select the view on the right, scroll to the desired page, and select **Options > Pan and zoom**. A black selection frame appears above the page layout, showing the area to zoom. Select the area and **Options > Zoom**.

Select from the following options:

- **In** or **Out** — Select **In** to zoom in one step in the selected area, or **Out** to zoom out one step in the selected area.
- **Fit to screen** — Adjust the zoom level to fit the page to the screen width.
- **Ratio** — Edit the zoom level, enter the zoom ratio between 10 and 999, and select **OK**.



Tip: While the selection frame is displayed, scroll left, right, up, or down with the joystick to move around the page. Press **5** to reduce and **0** to enlarge the selection frame. Press the joystick to zoom the selected area.

Find text

To find a piece of text from the document, select **Options > Find**, enter the text in the **Find:** field, and press the joystick.

To change search options such as case sensitivity and search direction, select **Options > Search options**.

To find and replace a piece of text in the document, in the editing mode, select **Options > Find and replace**. Enter the text in the **Find:** field, and enter a replacement text in the **Replace with:** field. Select **Options > Replace**. When the text is found, select **Replace** to replace the text and move to the next match, or select **Ignore** to skip the current match and **Next** to move to the next match.



Tip: To skip the current match and move to the previous and next ones, scroll up and down with the joystick.

Table editor

You can view tables created in applications such as MS Word.

To view a table in a file, scroll to the table. When a dotted line appears around the table, press the joystick to open it.

To change the selected cell, scroll up, down, left or right. If the selected cell does not fit into visible area, pressing the joystick pans the whole content first before the cell changes.

To edit the text in a cell, select the cell, and press the joystick. To end editing, press the joystick again.

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

- **Zoom** — Zoom the table view in, out and to edit a zoom ratio.
- **Format** — Modify the font style and formatting, paragraphs, bullets, and borders.
- **Cell size** — Change the size of the cells, rows and columns.
- **Cells** — Select option to insert, delete, merge or separate cells.
- **Copy table** — Copy the text of the whole table to the clipboard.

■ Sheet

This device supports common features of Microsoft Word, PowerPoint, and Excel (Microsoft Office 97, 2000, XP, and 2003). Not all file formats can be viewed or modified.

Select **Menu > Office > Sheet**.

You can store data in a file that is called a workbook. Each workbook contains at least one worksheet. A workbook can also contain charts, which are based on data from a worksheet.

To open an existing workbook, browse for the folder where the file is saved, and press the joystick.

To create a new workbook, select **Options > New file**. Select **Blank** to create a new file without using any template or **Use template** to create a file based on an existing template. Select the worksheet in the outline view, and press the joystick to open the file.



Tip: To open a recently used workbook, select **Options > Most recent files**.

Outline view

Outline view enables you to open and navigate worksheets, charts, and named cells.

In outline view, each worksheet has its own main level icon. Under the main level there are sub-items for charts and named cells.

To open the outline view, scroll to the folder and file, and press the joystick. The outline view opens. Recently used worksheet opens the latest view and settings.

To show and hide charts and cells, scroll to the worksheet, press the joystick, and select **Options > Collapse** or **Expand**.

To delete or rename worksheets, charts, or named cells, scroll to the item, and select **Options > Worksheet, Chart, or Named cell**, and the appropriate option.

To create a new worksheet, chart, or named cell, scroll to the position you want to add the new item, and select **Options > Insert > Worksheet, Chart, or Named cell**.

Work with worksheets

To insert data into cells, open the worksheet view. Use the joystick to move to the cell, and select **Options > Show cell field > Edit cell field**. An upper part editing field opens. Enter the data, and select **Done** to finish editing.

To select a range of cells, press and hold the shift key while you scroll right.

To select rows, move the cursor to the first cell on a row, and press and hold the shift key while you scroll left. To select columns, move the cursor to the first cell on a column, and press and hold the shift key while you scroll up.

To select the entire worksheet, move the cursor to cell A1, and press and hold the shift key while you scroll up and left.

To modify the worksheet view, select **Options > View**.

Select from the following options:

- **Pan worksheet** — Define the size of the visible area of the whole worksheet.
- **Full screen** — Switch to the full screen view.
- **Hide headers** — Hide header field and release more space for the worksheet grid.
- **Hide gridlines** — Hide gridlines.



Tip: To switch between the full and normal screen views, press *. To zoom in, press 5; to zoom out, press 0.

To add a comment to the selected cell, select **Options > Advanced options > Insert comment**. Write a comment, and select **OK**. The cell is marked with a small triangle in the upper right corner of the cell.

To change the font and number formatting, borders, and alignments, select **Options > Format** and the appropriate option.

To keep rows visible when scrolling, select a cell below the area that you want to remain visible and **Options > Advanced options > Freeze panes**. To keep columns visible, select a cell to the right of the area that you want to remain visible and **Options > Advanced options > Freeze panes**.

To change the size of rows and columns, select **Options > Cell size > Row height** or **Column width**.

To sort rows from left to right, select the cells you want to sort and **Options > Advanced options > Sort rows**. You can select the number of the row to use as a primary sorting criteria. You can change the direction of the sorting order and ignore or match the case sensitivity.

To sort columns from top to bottom, select the cells you want to sort and **Options > Advanced options > Sort columns**. You can select the column to use as a primary sorting criteria. You can change the direction of the sorting order and ignore or match the case sensitivity.

To format a font style, select the cells whose font style you want to modify and **Options > Format > Font**. You can change the font type, size, text color, and background color of the cell.

To change a font formatting, select the cells you want to format and **Options > Format > Font formatting**. You can bold, italicize, underline, strikethrough, or position the text in superscript or subscript format within a cell.

To align cell contents, select the cells whose alignment you want to modify and **Options > Format > Alignment**. You can change both the horizontal and vertical alignment and wrap text to adjust the row height of the selected cells to display the entire content of a cell.

To format cell borders, select the cells whose borders you want to modify and **Options > Format > Borders**. You can modify all or only vertical, horizontal, upper, lower, left or right borders. Select **Options > Change** to edit the style and color of the borders.

To change the number format, select the cells whose number format you want to modify and **Options > Format > Numbers**. Select the number format from the list. If the format you select includes decimal values, enter a number from 0 to 12 to indicate the decimal place.



Example: If you want to compare and calculate different loan rates, you can set the number format to **Percentage**.

Work with cells

To edit a cell, select a cell and **Options > Show cell field > Edit cell field**. An upper part editing field opens. Start entering the data, and select **Done** when you finish editing.

To insert cells, select the area where you want to insert new cells and **Options > Cells > Insert**. You can insert cells above (**Shift cells down**) or to the left (**Shift cells right**) of the selected range. If you select only one cell, only one new cell is inserted. If you select a range of cells, a corresponding range of blank cells is inserted. You can also insert a new row or column.

To clear contents or format from cells, select the cells and **Options > Cells > Clear**. If you select **Formats**, the formatting of the selected cells is removed, but the content remains. The default style is used. If you select **Content**, the content of the selected cells is deleted, but the formatting stays the same. You can also remove both formatting and contents of the selected cells.

To delete cells, rows, or columns, select the items you want to delete and **Options > Cells > Delete**. You can delete an entire row or column. If you select **Shift cells left**, the selected cells are deleted, and the cells right of the selected cells are shifted left. If you select **Shift cells up**, the cells below the deleted cells are shifted up.



Tip: When you delete information on which a chart is based, the information is also removed from the chart.

Insert functions

Functions are used for automating calculations.

To insert a function into a cell, select a cell. Select **Options > Insert > Function** and a function from the list. **#MIN** finds the lowest value in the numeric contents of a selected range of cells, **#AVERAGE** calculates the average of the values, and **#SUM** adds the values together. Once you have selected a function, press the joystick. The function is inserted into the selected cell. On the worksheet, enter the cells you want to include in the function inside the brackets, and press the joystick.



Tip: Before inserting a function, verify that **Options > Show cell field > Edit grid** is active and that the selected cell is empty or starts with **=**.



Example: You want to add up the numbers in cells C2 to C6 and have the results appear in cell C7. Select cell C7 and **Options > Insert > Function**. Select **#SUM**, and press the joystick. Enter **C2:C6** inside the brackets, and press the joystick. The sum appears in cell C7.

To get more information on a function, select a cell and **Options > Insert > Function**. Select a function from the list and **Options > Description**.



Tip: Before inserting a function, verify that **Options > Show cell field > Edit grid** is active and that the selected cell is empty or starts with **=**.

Web links

To open a Web link, select the cell with the Web link. Select **Options > Link > Go to**.

To edit a Web link, select the cell with the Web link. Select **Options > Link > Edit**. You can edit the Web address and the name of the link.

Create and modify charts

When you change the information on a worksheet, the chart is updated simultaneously.

To open a chart, open the outline view, select the worksheet and chart, and press the joystick. If charts are not visible, select **Options > Expand**.



Tip: To switch between the full and normal screen views, press *****. To zoom in, press **5**; to zoom out, press **0**.

To create a new chart, select the worksheet cells that contain the information you want to include in the chart and **Options > Insert > Chart**. To change the general appearance of an existing chart, open a chart view. Select **Options > View > Chart**. You can change the name of the chart and define the cell area. You can change the type of the chart, and make the chart two or three-dimensional or change the color of the background and axis. Scroll right to add a title to the chart and axis.

To format a chart in more detail, open a chart view. Select **Options > View** and the object you want to edit. You can change the series, X-axis, and Y-axis settings.

Find text

To find text, open the worksheet view, and select **Options > Find**. Enter the text in the **Find:** field, and press the joystick. When the cell is found, press the joystick again to find the next match.

To change the search content and direction, select **Options > Search options**.

To find and replace a cell that includes text, open the worksheet view, and select **Options > Find**. Enter the text to be replaced in the **Find:** field, enter the new text in the **Replace with:** field, and press the joystick. When the cell is found, select **Replace** to replace the text and move to the next match. Select **Ignore** to skip the current match and **Next** to move to the next match.



Tip: To skip the current match and to move to the previous and next match, scroll up and down.

■ Presentation

You can open, view, edit, and save presentations created with Microsoft PowerPoint 97 or later. You can also create new presentations. Note that not all features and formatting of the original files are supported.

This device supports common features of Microsoft Word, PowerPoint, and Excel (Microsoft Office 97, 2000, XP, and 2003). Not all file formats can be viewed or modified.

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

To open an existing presentation, browse for the folder and file, and press the joystick.



Tip: To open a recently viewed presentation, select **Options > Most recent files**.

To create a new presentation, select **Options > New file**. Select **Blank** to create a new presentation without using a template or **Use template** to create a presentation based on an existing template.

To use an existing template, scroll to the template folder and file, and press the joystick. Select **Open template** to modify the template or **Use template** to create a new document based on the current template.

View slide shows

To start a slide show, select **Options > Presentation**.

Select from the following options:

- **Manual** — Move from one slide to another manually.
- **Slide show** — Move from one slide to another manually, or use the automatic slide switching. You must specify the duration for a slide.
- **Manual looped** — The slide show continues from the beginning when the last slide of a presentation has been shown.
- **Looped slide show** — The slide show continues automatically from the beginning when the last slide of a presentation has been shown.

To move between slides in a slide show, scroll up to display a previous slide and down to display the next slide.

To end the slide show, press the right selection key.

Show slide shows with a data projector

You can show slide shows with a compatible data projector, or other compatible projection system.

To be able to show slide shows with a compatible data projector, you must install the drivers of the data projector. If the drivers are not installed and the devices are not connected, the menu options are not visible. For more information, check with the data projector manufacturer or its representative.

To show slide shows with a data projector, select the presentation and **Options > View > Data projector**. From the list of devices, select the device you want to use. Select **Options > Enable** to show screen content. To start the slide show, select **Options > Presentation > Slide show**.

To stop showing a slide show with a data projector, select **Options > View > Disable data projector**.

Work with different views

The presentation application consists of different views that help you when reading and creating presentations.

To switch between the different views, scroll right and left with the joystick.

Layout view

To open the layout view, select the view in the middle. To enable or disable the visibility of charts, comments, tables, images, and shapes, select **Options > Settings**, scroll to the settings item, and press the joystick.

To work in the layout view, select **Options**. You can edit and insert new slides, switch between different screen views, delete or hide certain slides, undo or redo latest modifications, and see a slide show. You can also save the presentation, and send it to another device. The available options may vary.

Outline view

The outline view is used to navigate through long presentation documents. The view enables fast vertical scrolling, rearranging of slides, and editing of objects.

To open the outline view, scroll to the view on the left. In the outline view, each slide has its own main level entry. Under the main level there is a sublevel for each text field and object.

To view the slide content, select **Options > Expand**. To hide the content, select **Options > Collapse**. To collapse or expand all entries, select **Options > View > Collapse all** or **Expand all**.

To change the order of slides, scroll to the slide you want to move, and select **Options > Slide > Move**. Scroll up and down to select a new location, and select **OK**.

To insert new slides into a presentation, select **Options > Insert new slide**. Select a template for the new slide. The new slide is inserted after the currently selected slide.

To copy, paste, or remove slides, select a slide and **Options > Slide > Copy**, **Paste**, or **Delete**.

To show or hide slides in the outline view, select a slide and **Options > Slide > Show** or **Hide**.

Notes view

In the notes view, you can read notes that are attached to slides in the presentation. You can also add your own notes.

To open the notes view, scroll to the view on the right. Each slide has its own main level entry. Under the main level there is a sublevel for notes. If notes are not visible, select **Options > View > Expand all**. To edit a note, scroll to the note, and press the joystick.

To add a note, scroll to a slide without notes, and select **Options > Create note**.

To delete a note, select the note and **Options > Delete note**.

Master slide view

The master slide view lets you view layout details. If you edit the master slide, the changes are updated to all slides in a presentation.

To open the master slide view, open the layout view, and select **Options > View > Master slide**. To edit the master slide, press the joystick.

Edit presentations

To edit a presentation, open the layout view, and select **Options > Edit slide**. Scroll right or down with the joystick to move forward and left or up to move backward. Select **Options**.

Define the following options:

- **Add title, Add subtitle, Add text, Insert table, Insert image** — Add a new text or object inside the selected area.
- **Edit text, Edit table, Edit document, Edit workbook** — Edit the selected object.
- **Edit object** — Select **Move** to move the object, scroll to the item, and press the joystick. Select **Resize** to change the size of the object. Scroll right and left to change the horizontal size of the object and up and down to change the vertical size. To accept the changes, press the joystick. Select **Rotate** to rotate the object. Scroll right to rotate the object clockwise and left to rotate counterclockwise. To accept the changes, press the joystick. Select **Properties** to edit text, line, border, or background properties of the object.
- **Object** — Delete, copy, paste, or add a link to the selected object.
- **Object position** — Change the layered position of the selected object in the presentation: up, down, front, or back.
- **Insert** — Add a new text box, image, shape, table, or comment to the presentation.
- **Undo, Redo** — Withdraw the latest modifications.

To move one or several objects inside a slide, scroll to the objects, and press the joystick in each object you want to edit. Select **Options > Marked objects > Move**. To move the position of the marked objects, scroll right, left, up, and down. To accept the changes, press the joystick. You can also delete or align the marked objects, and create a group of the marked objects. The group forms a new modifiable object. To unmark previously marked objects, select **Options > Unmark all**.

To define font settings, open the layout view, and select **Options > Edit slide**. Scroll to the text field, and select **Options > Edit text > Options > Format > Font**. You can change the font type, size, and color.

To format the font style, open the layout view, and select **Options > Edit slide**. Scroll to the text field, and select **Options > Edit text > Options > Format > Font formatting**. Select the appropriate formatting option. You can add bold, italic, underline, and strikethrough formatting, or position the text in superscript or subscript format.

To format a paragraph, open the layout view, and select **Options > Edit slide**. Scroll to the text field, and select **Options > Edit text > Options > Format > Paragraph**. You can change the text alignment, line spacing, and width of the left margin.

To change the bullet style, open the layout view, and select **Options > Edit slide**. Scroll to the text field, and select **Options > Edit text > Options > Format > Bullets**. You can set the bullets to be visible, change the type of the bullet, and define the size and color.

To edit the text box settings, select the layout view and **Options > Edit slide**. Scroll to the text box, and select **Options > Edit object > Properties**. You can change the position of the text inside the text box, and turn text wrapping on or off.

To modify borders, select the layout view and **Options > Edit slide**. Scroll to the object that has borders, and select **Options > Edit object > Properties**. You can modify all or only vertical, horizontal, upper, lower, left, or right borders.

To format line settings, select the layout view and **Options > Edit slide**. Scroll to the object that has lines, and select **Options > Edit object > Properties**. You can change the line color and style of elements such as dots, dashes, or thick lines.

To format background settings, select the layout view and **Options > Edit slide**. Scroll to an object, and select **Options > Edit object > Properties**. You can change the color of the background, and enable or disable the visibility of a styled background.

Edit tables

To edit a table, select the layout view and **Options > Edit slide**. Scroll to the table, and select **Options > Edit table**. A highlight indicates the active cell. To change the selected cell, scroll up, down, left, and right. Select **Options**.

Select from the following options:

- **Edit text** — Modify the text of the current cell.

- **Insert** — Add rows or columns to the table. A new column is inserted to the left of the selected cell, and a new row is inserted above the selected cell.
- **Delete** — Remove full rows or columns from the table.
- **View** — Zoom in or out in the table, adjust the zoom level to fit the page to the screen width, or change the zoom level.
- **Undo** and **Redo** — Withdraw the latest modifications.

Find text in a presentation

To find a piece of text from in the presentation, select any of the views. Select **Options > Find**, enter the text in the **Find:** field, and press the joystick.

To change the search option for case and whole words, select **Options > Search options**.

To find and replace a piece of text in the presentation, select any of the views. Select **Options > Find**. Enter the text to be replaced in the **Find:** field, enter the new text in the **Replace** field, and press the joystick. When the text is found, select **Replace** to replace the text and move to the next match, or select **Ignore** to skip the current match and **Next** to move to the next match.



Tip: To skip the current match and move to the previous and next ones, scroll up and down.

■ PDF reader

Select **Menu > Office**.

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

■ Zip manager

Select **Menu > Office**.

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

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

■ Screen export

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

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

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

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

Show screen content

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

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

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

■ Print

Print a message or file from the device. Preview a print job, define page layout options, select a printer, or print to a file.

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

To print a message or file, open the message or file, and select **Options > Printing options**.

Define the following options:

- **Printer** — Select an available printer from the list.
- **Print** — Select **All pages**, **Even pages**, or **Odd pages** as the print range.
- **Print range** — Select **All pages in range**, **Current page**, or **Defined pages** as the page range.
- **Number of copies** — Select the number of copies to print.
- **Print to file** — Select to print to a file and determine the location for the file.

You may not be able to print all messages, such as multimedia messages or other special message types.

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

Change the page layout before printing

To change the page layout before printing, select **Options > Print > Page setup** and from the following tabs:

- **Paper size** — Change the paper size or orientation and customize the height and width.
- **Margins** — Change the size of the left, right, top, or bottom margins.
- **Header** — The maximum length of the header is 128 characters. You can set the distance from the header to the text and choose to include the header on the first page of the document.
- **Footer** — The maximum length of the footer is 128 characters. You can set the distance from the footer to the text.

To add or delete a printer, select **Menu > Office > Printers > Options > Add** or **Delete**.

■ ProTour Golf

ProTour Golf is a full-featured 3-D golf simulation featuring two challenging golf courses and entertaining single and multiplayer game modes. ProTour Golf delivers all the elements of a golf game, including a set of golf clubs that you can customize, a range of match and stroke play competitions, male and female golfer graphics, and a range of golfer abilities.

See instructions within the game.

9. Connectivity

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

Your device offers several options to connect to the Internet, a corporate intranet, or to another device or PC.

■ Bluetooth

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 reduces the battery life.

This device is compliant with Bluetooth Specification 2.0 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. A Bluetooth connection can be used to send images, videos, texts, business cards, calendar notes, or to connect wirelessly to computers and other devices using Bluetooth technology.

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 connection can be subject to interference from obstructions, including walls or from other electronic devices.

Start using Bluetooth

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

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

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

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

Settings

Define the following settings:

- **Bluetooth** — Select **On** to be able to connect to another compatible device using Bluetooth connectivity.
- **My phone's visibility** — Select **Shown to all** to allow other devices using Bluetooth technology to find your device when you have set **Bluetooth** > **On**. To prevent other devices from finding your device, select **Hidden**. Even if you select **Hidden**, paired devices can still detect your device.
- **My phone's name** — Enter a name for your device. The name is visible to other devices that search for devices using Bluetooth technology. The maximum length of the name is 30 characters.
- **Remote SChip mode** — Select **On** to enable another device to use the SmartChip in your device to connect to the network. See "Remote SChip mode," p. 63.

If Bluetooth was turned off as a result of entering **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. If you are connected to a headset, you can 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 joystick to set up the connection. If the other device requires pairing before data can be transmitted, you are asked to enter a passcode.
4. When the connection has been established, [Sending data](#) is shown.

The [Sent](#) folder in [Messag.](#) 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, including 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](#) > [Settings](#) > [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. 62](#). 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 SmartChip 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, including 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 [Messag.](#)



Tip: You can access the files in the device or on the memory card using a laptop or compatible accessory that supports the File Transfer Profile Client service.

End a Bluetooth connection

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

Remote SChip mode

When the wireless device is in the remote SChip 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 SChip mode. If the device has been locked, enter the code to unlock it first.

With remote SChip mode, you can access the SmartChip of your device from a compatible car kit device. This way, you do not need a separate SmartChip to access SmartChip data and connect to the GSM network.

To use remote SChip mode, you need the following:

- Compatible car kit device that supports Bluetooth wireless technology
- Valid SmartChip 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 remote SChip mode

1. Select **Menu** > **Settings** > **Bluetooth** to activate Bluetooth connectivity in your device.
2. To enable remote SChip mode, scroll to **Remote SChip mode**, and press the joystick.
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** > **Settings** > **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 SmartChip from the car kit with the active user profile, the car kit searches automatically for a device with the SmartChip. 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 SChip mode, you can use applications on your device that do not need network or SmartChip services.

To end the remote SChip mode connection from your device, select **Menu** > **Settings** > **Bluetooth** > **Remote SChip mode** > **Off**.

■ Infrared

Do not point the IR (infrared) 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** > **Settings** > **Infrared**, and press the joystick 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.

■ Cable connection

Install the USB data cable driver to your PC before you use a cable connection. Verify that the driver has been installed after PC Suite installation. If the driver is not properly loaded, you must uninstall and then reinstall PC Suite.

Connectivity

You can use the [Data transfer](#) without installing the USB data cable drivers.

Select [Menu](#) > [Settings](#) > [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 joystick.

Select from the following:

- [Ask on connection](#) — Select whether you want to be asked for the device type every time you connect the data cable to your device.
- [PC Suite](#) — Connect the PC Suite to your device with the data cable, and use your device as a modem.
- [Data transfer](#) — Access and transfer data such as music or image files from your computer using the data cable connection. To use the [Data transfer](#) mode, make sure that you have not selected USB as a connection type in the Manage connections settings in Nokia PC Suite. Insert a memory card to your device, connect the device to a compatible computer with the USB data cable, and select [Data transfer](#) when the device asks which mode is used. In this mode, your device acts as a mass storage device and you can see it as a removable hard drive in your computer. The device will switch into the [Offline](#) profile if this is selected. End the connection from the PC (for example, from an Unplug or Eject Hardware wizard in Windows) to avoid damaging the memory card. After you end the connection, the device returns to the profile in which it was before using the data transfer mode.

To save your selection, select [Back](#).

■ Connection manager

Select [Menu](#) > [Settings](#) > [Conn. mgr.](#)

To view the status of data connections or end connections, select [Act. data conn.](#)

View and end active connections



Note: The actual time invoiced for calls by your service provider may vary, depending on network features, rounding off for billing, and so forth.

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

■ Modem

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

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

Before you can use your device as a modem

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

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

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

■ Device management

Manage data and software on your device.

Server profile settings

Select [Menu](#) > [Settings](#) > [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.

Connectivity

- **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** > **Settings** > **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.

Data synchronization

Menu > **Office** > **Sync**.

Use **Sync** to synchronize your **Address Book**, 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. Use caution when synchronizing data if you use a proprietary e-mail client. Data may conflict and could be overwritten. 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 configuration

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 server.
- **Server ID** — Enter the server ID of your 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 configuration for Address Book

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

- **Include in sync** — Select whether to synchronize your **Address Book** with this synchronization profile.
- **Remote database** — Enter the path to the database with which you synchronize your **Address Book**.
- **Local database** — If you have more than one **Address Book** 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 configuration for Calendar

To define the synchronization settings for the **Calendar** application, scroll to the desired profile, and select **Options** > **Edit sync profile** > **Applications** > **Calendar** > **Edit** 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 configuration for Notes

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

■ 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. 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 SmartChip. 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 configuration," p. 30.](#)

Set up an Internet access point for data calls

1. Select **Menu** > **Settings** > **Config.** > **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 data (GSM only)**.
 - **Dial-up number** — Enter the modem telephone number of the access point. Press + 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 config.** 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 data (GSM only)**, select **Options** > **Advanced config.**, 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.
- **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** > **Settings** > **Config.** > **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 config.** 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 config.**, 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.

■ Data connections

This device supports packet data (GPRS), high-speed data calls (HSCSD), and GSM data calls.

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 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 setup 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.

High-speed data calls

HSCSD (high-speed circuit switched data) enables data transmission rates up to 43.2 kb/s, which is four times faster than standard data rates of the GSM network. HSCSD is comparable to the speed of many computer modems that communicate with fixed telephone networks.

For availability and subscription to high-speed data services, contact your network operator or service provider.

Sending data with HSCSD may drain the battery faster than normal voice or data calls, as the device may send data more frequently to the network.

GSM data calls

A GSM data call enables data transmission rates of up to 14.4 kb/s. For availability and subscription to data services, contact your network operator or service provider.

■ Mobile VPN

Select **Menu** > **Settings** > **Config.** > **Connection** > **VPN**.

The Nokia mobile virtual private network (VPN) client creates a secure connection to compatible corporate Intranet and services, including 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. The VPN client uses IP Security (IPSec) technology. IPSec is a framework of open standards for supporting secure exchange of data over IP networks.

VPN policies define the method used by VPN client and a VPN gateway to authenticate each other, and the encryption algorithms that they use to help protect the confidentiality of data. Contact your corporation for a VPN policy.

To use VPN with an application, the application must be associated with a VPN access point. A VPN access point is made up of an Internet access point and a VPN policy.

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 policy** — 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 policy** > **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 also deleted 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** > **Open** > **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** > **Open**.

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. The codes point to possible causes of 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.

■ 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** > **Apps** > **Positioning**.

To select a positioning method, scroll to the positioning method, and select **Options** > **Enable**. To stop using it, select **Options** > **Disable**. The **Bluetooth** 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 GPS (Global Positioning System) is operated by the United States government, which is solely responsible for accuracy and maintenance of the system. 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 buildings and natural obstacles as well as weather conditions. The GPS receiver should only be used outdoors to allow reception of GPS signals.

GPS should not be used for precise location measurement, and you should never rely solely on location data from the GPS receiver.

Select **Menu** > **Apps** > **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 application requires a Bluetooth GPS accessory to operate. You must also have Bluetooth GPS positioning method enabled in **Menu** > **Apps** > **Positioning**.

The application must receive positioning info from at least three satellites to use it as a traveling aid. Changes to this application may affect your privacy, so you must control how it is used.

Select from the following:

- **Navigator** — View navigating information to your trip destination.
- **Position** — View positioning information about your current location.
- **Trip dist.** — 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 from the following:

- **Set destination** — Select a landmark or waypoint 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 location as a waypoint or landmark.
- **Satellite status** — View the signal strength of the satellites that provide the positioning information 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.

Select from the following:

- **Save position** — Save your current location as a waypoint 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 travelling speeds.

Select 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 waypoint 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 waypoints

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

Waypoints are locations you can temporarily save in your device to help in navigation.

To save a waypoint in **Navigator**, **Position**, or **Trip dist.** view, select **Options** > **Save position**.

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

To delete a waypoint, 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** > **Apps** > **Landmarks**.

Landmarks are coordinates to geographic locations that you can save to your device for later use in different location-based services. You can create landmarks using a Bluetooth GPS enhancement or network (network service).

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. Location information may be a name, category, address, latitude, longitude, and altitude.

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

To delete a landmark, scroll to it, and press the backspace 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 joystick. 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 joystick.

Landmark categories

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

To view the landmarks, select the category, and press the joystick.

To move a landmark, scroll left. Scroll to a landmark, and press **Options** > **Add to category**. Scroll to the old category, and press the joystick to remove the mark. Scroll to the category to add the landmark, and press the joystick. Select **Accept**.

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

- **Edit** — Modify landmark information. Landmark information may be 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. Location information may be a name, category, address, latitude, longitude, and altitude.
- **Add to category** — Include the landmark in a group of similar landmarks. Scroll to the category, and press the joystick.
- **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 joystick.

The available options may vary.

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

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

Connectivity

- **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. Location information may be a name, category, address, latitude, longitude, and altitude.
- **Landmark icon** — Change the icon of the landmark. Scroll to the desired icon, and press the joystick.

To delete a landmark category, scroll to it and press the backspace key. You cannot delete preset categories.

Edit landmarks

Select **Options > Edit** or **New landmark > Enter manually**. Enter location, name, category, address, latitude, longitude, or altitude.

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

- **Select categories** — Organize the landmark in a group of similar landmarks. Scroll to the category, and press the joystick to modify landmark information. Landmark information may include a name, category, address, latitude, longitude and altitude.
- **Current position** — 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 joystick.
- **Send** — Send the landmark to compatible devices.

Available options may vary.

Receive landmarks

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

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

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

10. Media applications

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

■ My Stuff

Select **Menu** > **My Stuff**.

Use **My Stuff** to access and use different types of media, including images, videos, music, and audio clips. All viewed images and videos and all received music and audio clips are automatically saved to **My Stuff**. You can browse, open, and create folders; and mark, copy, and move items to folders. Audio 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 joystick. 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 **My Stuff** in one of the main folders using the browser, select **Graphic downl.**, **Video downl.**, **Track downl.**, or **Audio 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. A string might include the name or date of the file you are searching for. Files that match the search are shown.

Images

Select **Menu** > **My Stuff** > **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

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

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** > **Assign 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

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

Select **Menu > Office > 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

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 (network service), 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 **Audio**.

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 joystick.

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 clip duration and size.
- **Settings** — Change video or connection settings.

The available options may vary.

View information about a media clip

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.

To turn on file protection, select a media clip, and **Options** > **Clip details** > **Status** > **Options** > **Change**. File protection prevents others from changing a file.

Settings

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

Video settings

Select **Loop** > **On**, if you want to replay video clips automatically after they finish playing.

Connection settings

Select **Connection**, scroll to the following settings, and press the joystick to edit:

- **Proxy** — Select whether to use a proxy server and to key in the proxy server 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 joystick to edit:

- **Use proxy** — Select **Enable** 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 joystick to edit:

- **Default access point** — Scroll to the access point to connect to the Internet, and press the joystick.
- **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 joystick. 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 joystick. 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** > **Office** > **Music player**.

With the music player, you can play music files and create and listen to track lists. The music player supports files with extensions such as MP3 and AAC.

Listen to music



Warning: Listen to music at a moderate level. Continuous exposure to high volume may damage your hearing. Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

To select a music track, select **Options** > **Music library**. **All tracks** lists all music on your device. To view sorted songs, select **Albums**, **Artists**, **Genres**, or **Composers**. To play a track, scroll to the track, and select **Options** > **Play**. When a track is playing, to change between play and pause, press ► and ||. To stop a track, press ■.

After you add or remove music files in the device, update your **Music library**. Select **Options** > **Update Music library**. The player searches the device memory for music files and updates them to the **Music library**.

To select the previous or next track, scroll the joystick up or down.

To play the music tracks repeatedly, select **Options** > **Loop**. Select **All** to repeat all the tracks in the current folder, **One** to repeat the selected track, or **Off** to stop 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**.

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** > **Office** > **Music player** > **Options** > **Equalizer**.

You can personalize the sound of your music files with **Equalizer**. You can use preset frequency settings based on styles of music, like classical or rock. You can also create customized settings based on your own listening preferences.

You cannot use other functions of **Music player** while **Equalizer** is open.

With **Equalizer**, you can enhance or diminish frequencies during music playback and modify how your music sounds. There are preset frequency settings in your device, for example, **Classical** and **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**.

Recorder

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

With **Recorder**, you can record up to 60 seconds of a voice memo, save the voice recording as an audio clip, and play the audio clip. **Recorder** supports the AMR format.

Press the voice key to activate **Recorder**.

To record a voice memo, select **Options** > **Record audio clip**. Select **Pause** to pause the recording and **Record** to resume recording. When you finish recording, select **Stop**. The audio clip is automatically saved.

The maximum length of a voice recording is 60 seconds, but it also depends on the storage space available in device memory or on a memory card.

Play a voice recording

To listen to a voice recording that you just recorded, select the play icon. (▶). Select **Stop** to cancel playback. The progress bar displays the playing time, position, and length of a voice recording.

To pause playback of a voice recording, select **Pause**. Playback resumes when you select **Play**.

Voice recordings that you receive or record are temporary files. You must save the files that you want to keep.

■ Flash player

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

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.

11. Personalization

■ Profiles



Warning: In the offline profile you cannot make or receive any calls, including emergency calls, or use other features that require network coverage. To make calls, you must first activate the phone function by changing profiles. If the device has been locked, enter the lock code.

Select **Menu** > **Settings** > **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:

- **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.
- **Say caller's name** — Activate the text-to-speech ringing tone feature. When someone from your **Address Book** 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.
- **IM alert tone** — Select a tone for received instant 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**. If you select the **Offline** profile, you cannot send or receive messages.

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 **My Stuff**.

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 configuration

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** > **Settings** > **Themes**.

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

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

Personalization

To edit a theme, highlight the theme you want to edit, and select **Options > Edit**. Select **Wallpaper** to change the background image in the idle 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.

12. Security

■ Device security

Select **Menu** > **Settings** > **Configuration** > **Security** > **Phone and SmartChip**.

You can modify the security settings for the PIN code, automatic lock, and SmartChip 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 SmartChip settings, select a setting and **Options** > **Change**.

When calls are limited to closed user groups, calls may be possible to the official emergency number programmed into your device.

Define the following settings:

- **PIN code request** — Select **On** to request that the PIN code is entered each time the device is switched on. This setting cannot be changed if the device is switched off. Some SmartChips 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 SmartChip against unauthorized use and is provided with the SmartChip. 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 SmartChip again. If you did not receive the PIN code with the SmartChip, or if you require a PUK code, contact your service provider.
- **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 SmartChip. 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 SmartChip again. If you did not receive the PIN2 code with the SmartChip, or if you require a PUK2 code, contact your service provider.
- **Autolock period** — Set a time-out after which the device is automatically locked and can be used only if the correct lock code is entered. Enter a number for the time-out in minutes, or select **None** to turn off the autolock period. When the device is locked, you can still answer incoming calls and calls may still be possible to the official emergency number programmed into your device.
- **Lock code** — Change the lock code. The new code can be 4-256 characters long. Numeric and uppercase and lowercase alphabetic characters can be used. The device notifies you if the lock code is not properly formatted. The device remembers the previously used lock codes and prevents you from using the same lock code several times. The preset code is 12345. To avoid unauthorized use of your device, change the lock code. Keep the new code secret and in a safe place separate from your device.
- **Lock if SChip changed** — Set the device to ask for the lock code when an unknown, new SmartChip is inserted into your device. The device maintains a list of SmartChips 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.
- **Closed user group** (network service) — Specify a group of people to whom you can call and who can call you.
- **Confirm SChip services** (network service) — Set the device to display confirmation messages when you are using a SmartChip service.

Change the restriction password

To change the password used for restricting voice and data calls, select **Menu** > **Settings** > **Configuration** > **Call restriction** > **Cellular call restriction** > **Options** > **Edit restr. password**. Enter the current code, then the new code twice. The restriction password must be four digits long. For details, contact your service provider.

Fixed dialing

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

Select **Menu** > **Address Book** > **Options** > **SmartChip contacts** > **Fixed dialing contacts**.

With the fixed dialing service, you can restrict calls from your device to only certain phone numbers. Not all SmartChips 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 SmartChip 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 SmartChip contact**. All phone numbers to which calls are allowed must start with this country prefix.
- **Copy to Address Book** — Copy the fixed dialing contact to **Address Book**.
- **Add from Address Book** — Copy a contact from **Address Book** to your fixed dialing list.



Tip: To send text messages to the SmartChip 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 > SmartChip contacts > Fixed dialing contacts**.

To call the contact, press the call key.

To edit the phone number, select **Options > Edit**. You may need your PIN2 code to edit your fixed dialing numbers.

To delete the contact, press the backspace key.

■ Certificate manager



Important: Note that 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.

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.

■ VPN

[See "Mobile VPN," p. 69.](#)

13. Shortcuts

Here are some of the available keyboard shortcuts in your device. Shortcuts can make the use of the applications more efficient. Some shortcuts are application-specific and are not available for all applications.

Active idle mode

Left selection key + function key	Lock and unlock the keypad.
Call key	Open the Log .
0	Press and hold to open Services and connect to the Web.
1	Press and hold to call your voice mailbox.
Number key (2–9)	Call a phone number using speed dialing. You must first activate speed dialing (Menu > Settings > Configuration > Call > 1-touch dialing > On).

In applications

Select text. Press and hold the shift key and scroll left or right with the joystick to select text.	Shift + joystick
Copy	Ctrl+C
Cut	Ctrl+X
Paste	Ctrl+V
Undo	Ctrl+Z
Italics	Ctrl+I
Bold	Ctrl+B
Enter a number or a character marked in color on a key.	Press function key once (so that you see ) + the other key.
Enter only numbers or characters marked in color on a key.	Press function key twice (so that you see ) + the other key.
Switch between character cases.	Press the shift key.

Image viewer

Send the image.	Call key
Zoom out.	0
Zoom in.	5
Zoom in. Press twice for the full screen size.	7
Scroll left in the zoomed image.	4
Scroll right in the zoomed image.	6
Scroll up in the zoomed image.	2
Scroll down in the zoomed image.	8
Rotate clockwise.	3
Rotate counterclockwise.	1
Switch between the full screen size and normal view.	*

14. Nokia original enhancements

An extensive range of enhancements are compatible with your device. Select the enhancements that accommodate your specific communication needs. For availability of the enhancements, check with your local dealer.

Compatible power enhancements:

- 1500 mAh Li-Ion battery (BP-5L)
- Travel charger (AC-4)
- Mobile charger (DC-4)
- Dynamo charger adapter (CA-44)

Compatible audio enhancements:

- Headset (HS-40)
- Stereo headset (HS-47)
- Wireless boom headset (HS-4W)
- Wireless headset (HS-11W)
- Wireless clip-on headset (HS-21W)

Compatible messaging and data enhancements:

- Nokia digital pen II (SU-19W)
- Connectivity cable (DKE-2)
- Mini SD (3.0V, 64 MB to 2 GB)
- Wireless GPS module (LD-1W)

Compatible car enhancements:

- Wireless hands-free car plug-in (HF-6W)
- Wireless car kit (CK-7W)

■ Enhancements

A few practical rules about accessories and enhancements.

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

Battery information

Your device is powered by a rechargeable battery. The full performance of a new battery is achieved only after two or three complete charge and discharge cycles. The battery can be charged and discharged hundreds of times, but it will eventually wear out. When the talk and idle times are noticeably shorter than normal, buy a new battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

Unplug the charger from the electrical plug and the device when not in use. Do not leave 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 a few 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.

■ 1500 mAh Li-Polymer battery (BP-5L) information

Variation in talk time and idle time may occur, depending on the SmartChip, network and usage settings, and the style and environment of use.

- GSM talk time: up to 5.5 hours
- GSM idle time: up to 14 days

■ Nokia battery authentication guidelines

Always use original Nokia batteries for your safety. To check that you are getting an original Nokia battery, purchase it from an authorized Nokia dealer, look for the Nokia Original Enhancements logo on the packaging and inspect the hologram label using the following steps:

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

Authenticate hologram

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



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



3. Scratch the side of the label to reveal a 20-digit code, for example 12345678919876543210. Turn the battery so that the numbers are facing upwards. The 20-digit code reads starting from the number at the top row followed by the bottom row.



4. Confirm that the 20-digit code is valid by following the instructions at www.nokia.com/batterycheck.

B a t t e r y i n f o r m a t i o n

What if your battery is not authentic?

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

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

Care and maintenance

Your device is a product of superior design and craftsmanship and should be treated with care. The suggestions below 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 the display and 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 [Address Book](#) and calendar notes, before sending your device to a service facility.

All of the above 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

Remember to follow any special regulations in force in any area and always switch off your device when its use is prohibited or when it may cause interference or danger. Use the device only in its normal operating positions. This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 7/8 inch (2.2cm) 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 at least 7/8 inch (2.2 cm) away from your body.

In order 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, and persons with a hearing aid should not hold the device to the ear with the hearing aid. Always secure the device in its holder, because metallic materials may be attracted by the earpiece. 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 SmartChip 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. 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 0.51 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 1 gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear is 0.95 W/kg and when properly worn on the body is 0.81 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: GMLRM-88A.

Technical information

Characteristic	Value
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Operating system	Symbian 9.1a, S60 Averell release 3.0
CPU	32-bit RISC ARM9
Supported platforms/technologies	C++, Java MIDP 2.0
Frequency	RM-88 Quadband EGSM 850, 900, 1800, and 1900
Data transmission	EGPRS, GPRS, HSCSD, CSD
Size	Length: 116.5 mm Width: 69.9 mm Thickness: 13.9–16.2 mm
Volume	103.4 cc
Weight	144 g with battery
Memory	User: Greater than 80 MB total in device Memory card: miniSD (hot swap). Storage amount varies.
Display	Landscape active matrix color Area: 56.9 x 42.7 mm Colors: TFT 16 million (24-bit) Resolution: QVGA 320 x 240 pixels
Input	Joystick and QWERTY keyboard
Time	Talk: up to 5.5 hours Standby: up to 14 days
Connectivity	Bluetooth (version 2.0). Up to six simultaneous connections. Mini-USB (USB 2.0) Headset connector Infrared
Messaging	E-mail, instant messaging, SMS, MMS
Browser	HTML 4, WAP 2.0
Voice features	Voice dialing, voice recorder, enhanced voice commands
Other features	Speakerphone, stereo audio playback, video playback, offline/flight mode, local and remote data synchronization, picture phonebook, personalization
Operating temperature	14°F to 104°F (- 10°C to + 40°C)

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